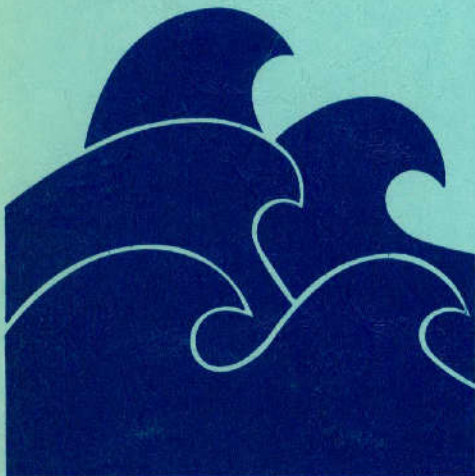


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Report 263

*INVENTORIES OF IRRIGATION IN TEXAS  
1958, 1964, 1969, 1974, and 1979*



TEXAS DEPARTMENT OF WATER RESOURCES

October 1981





**TEXAS DEPARTMENT OF WATER RESOURCES**

**REPORT 263**

**INVENTORIES OF IRRIGATION IN TEXAS  
1958, 1964, 1969, 1974, AND 1979**

Based on inventories made cooperatively  
by the Soil Conservation Service, U.S.  
Department of Agriculture; the Texas  
State Soil and Water Conservation Board;  
and the Texas Department of Water Resources

October 1981

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# INVENTORIES OF IRRIGATION IN TEXAS

1958, 1964, 1969, 1974, AND 1979

## ABSTRACT

Due to relatively high rainfall during the growing season in many parts of Texas, less acreage was irrigated and less water was applied in 1979 than in the prior inventory in 1974. Irrigation in Texas in 1979 was estimated at 7.8 million acres (3.2 million ha) with a total estimated on-farm use of 9.7 million acre-feet (12.0 km<sup>3</sup>) of water. This is a decrease of 800,000 acres (324,000 ha) and 3.4 million acre-feet (4.2 km<sup>3</sup>) from the 1974 inventory. In this report, information provided includes irrigated acreages and crops, on-farm water use, sprinkler irrigation acreage, and data about irrigation operations and irrigation conservation practices. Irrigation acreage and water use are summarized by counties, river and coastal basins, soil and water conservation districts, and 11 principal irrigation regions of the State.

Irrigation acreage and the quantities of water applied to crops fluctuate from year to year with changes in climatic conditions and development of available water supplies. During the inventory period, the estimated on-farm water use for irrigation increased from 9.6 million acre-feet (11.8 km<sup>3</sup>) on 6.7 million acres (2.7 million ha) in 1958 to 12.5 million acre-feet (15.4 km<sup>3</sup>) on 7.7 million acres (3.1 million ha) in 1964. Irrigation water use then declined to 11.6 million acre-feet (14.3 km<sup>3</sup>) on 8.2 million acres (3.3 million ha) in 1969, a relatively wet year, then increased to 13.1 million acre-feet (16.2 km<sup>3</sup>) on 8.6 million acres (3.5 million ha) in 1974, and declined again to 9.7 million acre-feet (12.0 km<sup>3</sup>) on 7.8 million acres (3.2 million ha) in 1979, a wet year.

More than 50 percent of the total dollar value of harvested crops in Texas is from irrigated cropland, which makes up about one-third of the cropland in Texas. Leading irrigated crops in 1979 were cotton with 2,260,000 acres (914,600 ha), grain sorghum with 1,263,000 acres (511,100 ha), wheat with 1,230,000 acres (497,800 ha), and corn with 984,000 acres (398,200 ha).

Irrigation wells continue to increase in number, even though some of the older wells have been abandoned. There were 55,000 irrigation wells in Texas in 1958, 70,000 in 1964, 83,000 in 1969, 90,000 in 1974, and 95,000 in 1979. In 1979, ground water from these wells supplied 75 percent of the total water used for irrigation in the State, while 25 percent was supplied from surface water.

Water conservation measures are being practiced by Texas irrigators to "stretch" and conserve their water supply. In many areas, water losses due to seepage and evaporation are being reduced by adding concrete linings to the delivery ditches and by replacing some ditches with underground pipelines. Inventories of water transmission facilities in 1979 showed there was 1,335 miles (2,148 km) of concrete-lined ditches serving 167,600 acres (67,800 ha) and 22,303 miles (35,885 km) of underground pipelines serving 4.9 million acres (2.0 million ha). In 1979, 65 percent of Texas irrigated land was served by lined ditches and underground pipe. New methods of applying water to crops also hold promise for water savings. Foremost among the newer methods being used in Texas is trickle irrigation, by which a slow, continuous or nearly continuous flow of water is delivered through plastic tubing to the root zone of each plant. Trickle irrigation was used on 19,800 acres (8,000 ha) in 1979 compared to only 4,800 acres (1,900 ha) in 1974. Leading crops were pecans, 12,200 acres (4,940 ha); citrus, 6,000 acres (2,400 ha); and peaches, 1,200 acres (486 ha).

Due to the above normal rainfall in 1979 and below normal rainfall in 1980, a 1980 irrigation survey was conducted for selected regions (Texas High Plains, Pecos and Reeves Counties, and the Winter Garden). Results of this survey are presented in Appendix B. Using data from the 1979 and 1980 surveys, it is estimated that 1980 irrigated acreage was only slightly larger than 1979; however, irrigation water use in the Texas High Plains was about 24 percent greater in 1980 than in 1979.



# INVENTORIES OF IRRIGATION IN TEXAS

1958, 1964, 1969, 1974, AND 1979

## ACKNOWLEDGEMENTS

Each of the five irrigation inventories was made cooperatively by the Soil Conservation Service of the U.S. Department of Agriculture, the Texas State Soil and Water Conservation Board, and the Texas Department of Water Resources and its predecessor agencies. Results of 1958, 1964, 1969, and 1974 inventories have been published previously. To facilitate comparisons, this report includes most of the basic data from the previous reports as well as data from the 1979 irrigation inventory.

The preparation of maps showing location of irrigated land, and the compilation of acreages of crops, quantities of water used, and other data were accomplished by the Soil Conservation Service in its field offices, by district conservationists under general direction of the area conservationists and area engineers. The work of the 1979 irrigation inventory was directed by Allyn C. Bennett, Martin Vavra, and Tom Gray, Civil Engineers, Technical Support Staff, under the general guidance of State Conservation Engineer Gene C. Vittetoe and State Conservationist George Marks. Messrs. Vavra, Bennett, and Gray conducted the training meetings of Soil Conservation Service area engineers who gave leadership to the work done by area and field office personnel.

The Texas State Soil and Water Conservation Board, under the supervision of Carl Spencer, Executive Director, assisted in developing procedures for making the 1979 irrigation inventory, and provided soil and water conservation district boundary delineations on the county maps used in making the inventory. These delineations made possible the tabulation of inventory data for each soil and water conservation district.

The Department of Agricultural Communications at Texas A&M University provided general soil maps for each county. These maps were used as base maps for irrigation inventory data. The soil maps provided a means for identifying the kinds of soils that were irrigated in 1979.

The Texas Department of Water Resources, Economics, Water Requirements and Uses Section, Agriculture Use Unit, guided the planning, development of procedures, and scheduling of the 1979 irrigation inventory; assisted the Soil Conservation Service Technical Support Staff in giving training to the area engineers; and prepared the data for computer processing. Atlan Pfluger, Terrell Robinson, and Comer Tuck of the Agriculture Use Unit worked on these activities and prepared the final report with other staff assistance. Drs. Gerald Higgins, Economics, Water Requirements and Uses Section Chief, and Herbert W. Grubb, Director, Planning and Development Division, provided general guidance and report review for the 1979 irrigation inventory.

## METRIC CONVERSIONS

For readers interested in using the metric system, the metric equivalents of English customary units of measurement are given in parentheses. The English units used in this report may be converted to metric units by the following factors:

<u>From</u> <u>English units</u>	<u>Multiply</u> <u>by</u>	<u>To obtain</u> <u>metric units</u>
acres	0.4047	hectares (ha)
acre-feet	1,233	cubic meters (m <sup>3</sup> )
acre-feet	1.233 X 10 <sup>-6</sup>	cubic kilo- meters (km <sup>3</sup> )
miles	1.609	kilometers (km)
feet	0.3048	meters (m)
inches	2.54	centimeters (cm)
pounds	0.4536	kilograms (kg)

<u>From English units</u>	<u>Multiply by</u>	<u>To obtain metric units</u>
tons per acre-foot	0.7358	kilograms per cubic meter (kg/m <sup>3</sup> )
pounds per acre	1.121	kilograms per hectare (kg/ha)

## HISTORY OF IRRIGATION<sup>1</sup>

Irrigation farming in Texas antedates any historical records available. Some believe that irrigation has been practiced for a longer period in Texas than in other parts of the United States (Nagle and Fortier, 1910). The earliest record of irrigation in Texas is that reported by Coronado, an early Spanish explorer, who found Indians irrigating crops in the vicinity of the present city of El Paso when his expedition reached there in 1541 (Hutson, 1898). However, this was not the first irrigation practiced in the State. Evidence of ancient irrigation systems in some of the valleys of the Trans-Pecos area indicate that irrigation had helped support a prehistoric population (Hutson, 1898).

A revolt by the Pueblo Indians in 1680 drove the Spaniards and many Christian Indians out of New Mexico. They fled down the Rio Grande to the Mission of Guadalupe, where the City of Juarez, Mexico, now stands. The towns of Ysleta and Socorro were founded by these Christian Pueblo Indians (Harrington, 1952), who used irrigation as a means of producing their crops in that area of scanty rainfall.

The Spanish Mission of San Antonio de Valero, the Alamo, was established on the San Antonio River in 1718. The San Jose, Concepcion, San Juan de Capistrano, and La Espada Missions were established later. San Antonio, the center of Spanish power in the territory, had the largest area of early irrigation in Texas (Harrington, 1952).

The United States Senate passed a resolution on August 4, 1886 inquiring into the status of irrigation in that portion of the United States largely west of the one-hundredth meridian and from the Rio Grande to the border of the British Territory on the north. Responding to this resolution, a report of the U.S. Department of Agriculture (Hinton, 1886, p. 118) includes a quotation

from James B. Newcomb of San Antonio that stated there was 50,000 acres (20,233 ha) of irrigated land in Bexar County valued at \$50.00 to \$300.00 per acre (\$123.50 to \$741.50 per ha). Irrigation water, sold by hours of use and at nominal price, was used only on gardens as the rainfall was considered adequate for small grains and fruits.

Other early references to the use of irrigation in Texas include its application by Indians in the vicinity of the present city of Wichita Falls and by the Spanish who founded the city of Laredo (Harrington, 1952). Irrigation was also used by the Franciscan fathers who established the San Saba Mission and built canals at the presidio on the San Saba River in 1756 (Hughes and Motheral, 1950).

One of the first irrigation developments by Anglo-Americans occurred in 1853 near the present town of Balmorhea in the Trans-Pecos area of the State (Hughes and Motheral, 1950). Other developments in the Trans-Pecos utilized water of the Rio Grande and the perennial springs of the area. Large-scale development of water supplies in the Rio Grande and the Pecos River came after 1880 when railroads were extended into the area. Development along the Pecos River soon exceeded the dependable supply of water, and some of the irrigation projects were actually abandoned before completion (Hughes and Motheral, 1950). Irrigation along the Rio Grande developed rather slowly until completion of the Elephant Butte project in 1916. Development in the Upper Rio Grande Valley has remained nearly constant since 1925. More recent developments in the Trans-Pecos have utilized ground water available in some of the valleys and basins of the area.

Irrigation was being practiced to some extent in most parts of the Rio Grande Plain by 1897 (Hutson, 1898). Irrigation farming had begun in the Lower Rio Grande Valley in 1876. However, little progress was made in this area until a railroad for the area was built in 1904. Water from artesian wells was used for irrigation in Zavala County and Bexar County in the late 1890's. The first flowing well was completed in Atascosa County in 1904 (Lonsdale, 1935). Completion of a similar well in Frio County in 1905 marked the beginning of irrigation in that area. Irrigation development in the Rio Grande Plain, centered primarily in the Lower Rio Grande Valley and the Winter Garden area, has expanded. Some irrigation has developed in the Coastal Bend, using the limited quantities of surface water and relatively poor quality ground water that are available.

Irrigated rice production began in the Coast Prairie before 1900. However, production of this crop was not

<sup>1</sup>This section is extracted largely from a Texas A&M University publication, *Agricultural Resources Related to Water Development in Texas*, March 1968.



significant until about 1910. Rice has continued to be the principal irrigated crop in the area.

Irrigation began on the High Plains with the completion of the first successful irrigation well on the J. H. Slaton farm, four miles west of Plainview, in 1911 (White, Broadhurst, and Lang, 1946). Development of the vast ground-water resource of the High Plains progressed very slowly until 1935. Drought and improved efficiency of pumps and power units stimulated increased interest in irrigation by 1936 (Jones and Gaines, 1941). Irrigation farming soon expanded from the early centers around Plainview, Hereford, and Muleshoe into every county of the High Plains. After World War II, irrigated acreage increased at a phenomenal rate. In some areas of the North High Plains it is still growing at the present time, but at a somewhat reduced rate.

Irrigation in other parts of the State has been developed primarily on isolated tracts by individuals who desired to eliminate the crop production hazards of droughts. The extent of development has depended primarily upon the ease with which ground-water supplies can be developed. Although many of the individual developments have utilized surface waters, most of the irrigated acreage in these isolated areas is supported with ground water. Significant acreages have been developed in the alluvial valleys of some of the major streams, particularly the Brazos River.

Until 1979, the statewide trend in irrigated acreage had been upward since the first historical developments, but the increase has not occurred at a constant rate. Some periods have shown rapid increases in irrigation development, while others have shown only slight increases (Figure 1). General economic conditions, technological improvements in irrigation equipment, climatic conditions, and other factors have influenced interest in irrigation and the development of irrigated agriculture in the State.

The agricultural census for the crop year of 1889 reported over 18,000 acres (about 7,300 ha) irrigated on 623 farms. By 1899, the area irrigated approached 50,000 acres (20,000 ha) on 1,325 farms. Comparatively rapid development occurred during the period 1900-09. The area irrigated in 1909 was about 451,000 acres (183,000 ha).

Development was much slower from 1910 to 1929 when about 594,000 acres (240,000 ha) was irrigated. Irrigated acreage increased by about 301,000 acres (122,000 ha) during the next 10 years. The census for 1939 reported nearly 895,000 acres (362,000 ha) irrigated. Particularly rapid irrigation development followed the end of World War II. The 1949 census of

agriculture reported 3.1 million acres (1.3 million ha) irrigated, and the 1958 irrigation inventory showed 6.7 million acres (2.7 million ha) irrigated. Subsequent inventories reported 7.7 million acres (3.1 million ha) in 1964, 8.2 million acres (3.3 million ha) in 1969, and 8.6 million acres (3.5 million ha) in 1974. By 1979, the area irrigated in the State was 7.8 million acres (3.2 million ha) as was found in the 1979 irrigation inventory (Figure 1).

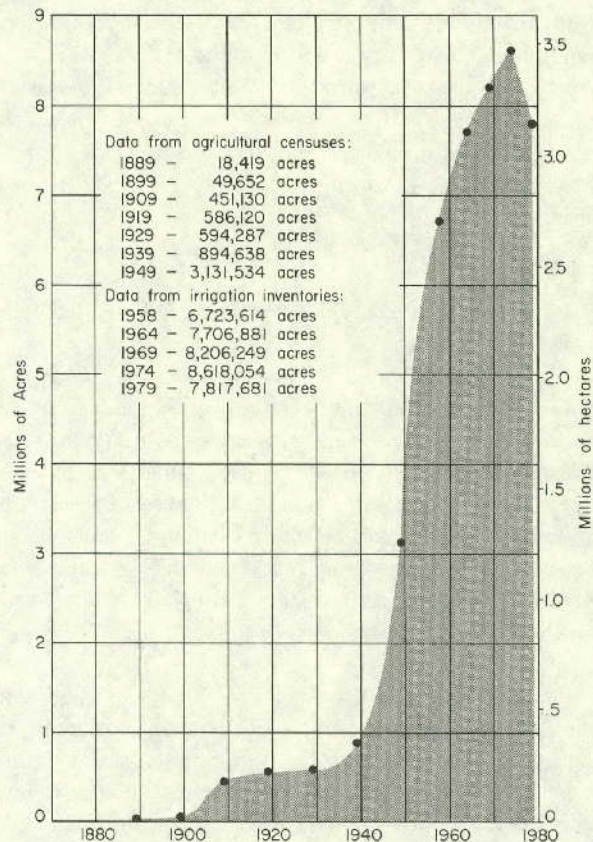


Figure 1.—Texas Irrigation Development, 1889-1979

The history of irrigation in Texas has recorded some failures because of inadequate water supply, poor water quality, poor soil conditions, inadequate irrigation systems, or inefficient water management. On the other hand, successful irrigation enterprises have been developed in every area of the State including the eastern humid areas.

Irrigated agriculture was vital to the existence of the early historical settlements, especially those in the arid sections of the State. Today, irrigation plays a significant role in the agricultural economy of the State. The irrigated cropland harvested in 1948 amounted to about 10 percent of the State's total harvested cropland and accounted for about 30 percent of the value of crops produced (Hughes and Motheral, 1950).

In 1957, a year of above average rainfall, approximately 42 percent of the total value of all the



principal crops grown in Texas was produced on the 18 percent of the harvested cropland which was irrigated.<sup>2</sup> Data for 1979 indicate that cash receipts from crop production statewide was approximately \$3.9 billion. Of this amount, receipts from irrigated crops was estimated at over 50 percent of total crop production from an estimated one-third of the total cropland in the State.

Maintaining water conditions in the soil favorable to plant growth continues to be an especially important requirement in the arid and semiarid parts of the State where the rainfall is variable as to amounts and seasons of occurrences, and where most crops cannot be grown without irrigation water. In other cases, the risk without irrigation water is too great for viable, long-term farm enterprises.

## DEVELOPMENT OF INVENTORIES

Data on irrigated lands have been inadequate for long-range planning, and irrigation water-use data, which are necessary to assess and project agricultural water use and needs accurately, have not been generally available. For other forms of water use, data are generally collected annually and are more readily available. While acreage surveys have been made annually in some areas of the State, these do not fully meet the planning needs of State and Federal agencies.

Cooperative arrangements were made in 1958 with the Soil Conservation Service of the U.S. Department of Agriculture to inventory Texas irrigation. After this first inventory, it was agreed to re-inventory at intervals of approximately five years. As a result, irrigation inventories have been made for 1958, 1964, 1969, 1974, and 1979. The data from each of these inventories are included in this report. Texas Board of Water Engineers Bulletin 6018, "Irrigation in Texas in 1958," contained the data from the first inventory. The other reports were: Texas Water Commission Bulletin 6515, "Inventory of Texas Irrigation, 1958 and 1964"; Texas Water Development Board Report 127, "Inventories of Irrigation in Texas 1958, 1964, and 1969"; and Texas Water Development Board Report 196, "Inventories of Irrigation in Texas 1958, 1964, 1969, and 1974."

Reliable water-use data are difficult to obtain. Most of the water that is applied to irrigation is unmetered, and the amount of water applied is affected by many variables. The rainfall during the inventory year influences the amount of water used and the number of acres irrigated. A wet spell or a dry spell during the

growing season, particularly during the period of peak crop demand for water, will affect to a degree how much water is applied by irrigation to a particular crop. The cropping pattern of an area affects the water demand as the consumptive use of water by crops is dependent upon the characteristics of the crop as related to rooting depth and rates of transpiration.

While annually collected irrigation data are desirable and needed, to date no low-cost means have been identified to obtain such on a statewide basis. Periodic inventories as presented in this report provide some urgently needed basic data and must suffice until other methods are available.

## 1979 INVENTORY PROCEDURES

Inventory forms and the field data gathering, recording, and computational procedures were jointly developed by the cooperating agencies. The Texas State Soil and Water Conservation Board assisted in development of the inventory and delineated district boundaries. The Soil Conservation Service collected the basic data, using technical support staff to provide statewide leadership and area engineers to provide local leadership. Area conservationists and district conservationists and their staffs at the field office level, thoroughly familiar with irrigation and the land and water resources of their respective areas, did much of the detailed work. The Texas Department of Water Resources processed the maps and data sheets and compiled and published the report.

Soil Conservation Service field office staff used the county general soil maps to record much of the inventory information, including delineation of irrigation acreage, sprinkler acreage, and potential irrigation acreage. Soil delineations provided guidance in outlining the areas of actual and potential irrigation. Acreage data recorded on the maps were used in the summary tabulations of acreage and water use by river and coastal basins and zones, soil and water conservation districts, and counties based on irrigated acreage in these segments.

Other data, including acreage of and estimated on-farm water use by source of supply for each irrigated crop, were recorded on standardized forms on a countywide basis. The total amount of water used countywide was summarized from these data and was then prorated among soil and water conservation districts, and among river and coastal basins and zones, according to the proportionate acreage irrigated from a given source of water supply that was located in each area.

<sup>2</sup>Burleigh, H. P., Paper presented at the Irrigation Short Course, Texas A&M University, College Station, Texas, January 1958.

Appendix A includes a copy of the detailed inventory procedures with the specific Soil Conservation Service instructions for making the 1979 inventory as they were used in the training of personnel, a sample of the inventory data sheets, and a sample county inventory map.

Accuracy of inventory data differs from county-to-county, according to the quantity and accuracy of records available, the degree of familiarity with the area of the assigned personnel, and the amount of field observation that could be made in making the inventory in each county. In general, Soil Conservation Service field personnel making the inventory considered that their inventory estimates were within a 5 to 10 percent range of accuracy.

## PRESENTATION OF DATA

### Acreage and Water-Use Summary Data (Tables 1, 2, and 3)

Summary inventory data are contained in Table 1 for counties, in Table 2 for river and coastal basins and zones (shown on Figure 5), and in Table 3 for soil and water conservation districts (shown on Figure 6). These tables each list the total irrigated acreage, the acreage irrigated by each source from which water was obtained, the estimated amount of water from each source that was used, and the percentage of the combined supplies of water used that was surface water. Shown also is the acreage irrigated by sprinkler systems. Table 1 additionally shows the estimated number of irrigation wells in each county considered to be operable, but not necessarily used, during the given inventory year. Tables 1 and 2 provide data from all five inventories; Table 3 provides data for 1979 only.

A brief discussion of individual columns of Tables 1, 2, and 3 is warranted to prevent misapplication of the data: *All Irrigation* includes the total acreage irrigated and the total acre-feet of water applied on that acreage, regardless of the source of water used. Amounts of water applied *do not include all transmission losses* but only the amounts of ground water pumped and transmitted to irrigated fields and the amounts of surface water transmitted to fields from farm headgates (on-farm use).

Instructions for making the 1979 irrigation inventory (Appendix A) stressed that the estimated amount of irrigation water were to reflect the amounts of ground water pumped that were actually transmitted to irrigated fields, and the amounts of surface water that were transmitted to fields from farm headgates (on-farm

use). Thus, these amounts (Tables 1, 2, and 3) include all water losses (inefficiencies) of the field irrigation systems, but do not include any losses sustained by the conveyance system before it reached farm headgates. Therefore, estimates of surface-water diversions at the river or storage reservoir will, in most cases, be larger than the inventory estimates of on-farm use of surface water. Schematically this can be shown in the illustration on the following page.

*Surface-Water Irrigation Only* includes that portion of the acreage and acre-feet of water applied for *All Irrigation* that was supplied from *only* surface-water sources, measured from the farm headgate (on-farm use), not the point of diversion.

*Ground-Water Irrigation Only* includes that portion of the acreage and acre-feet of water applied for *All Irrigation* that was supplied from *only* ground-water sources.

*Irrigation Using Combined Supplies* includes that portion of the acreage of *All Irrigation* where both surface and ground water were used on the same acreage or where surface and ground water irrigation acreage was so intermingled that it was impractical to identify the areas where each was used. The part of the combined supply used that was surface water is shown as a percentage.

*Irrigation Wells* is the estimated total number of operable wells at the time of the inventory.

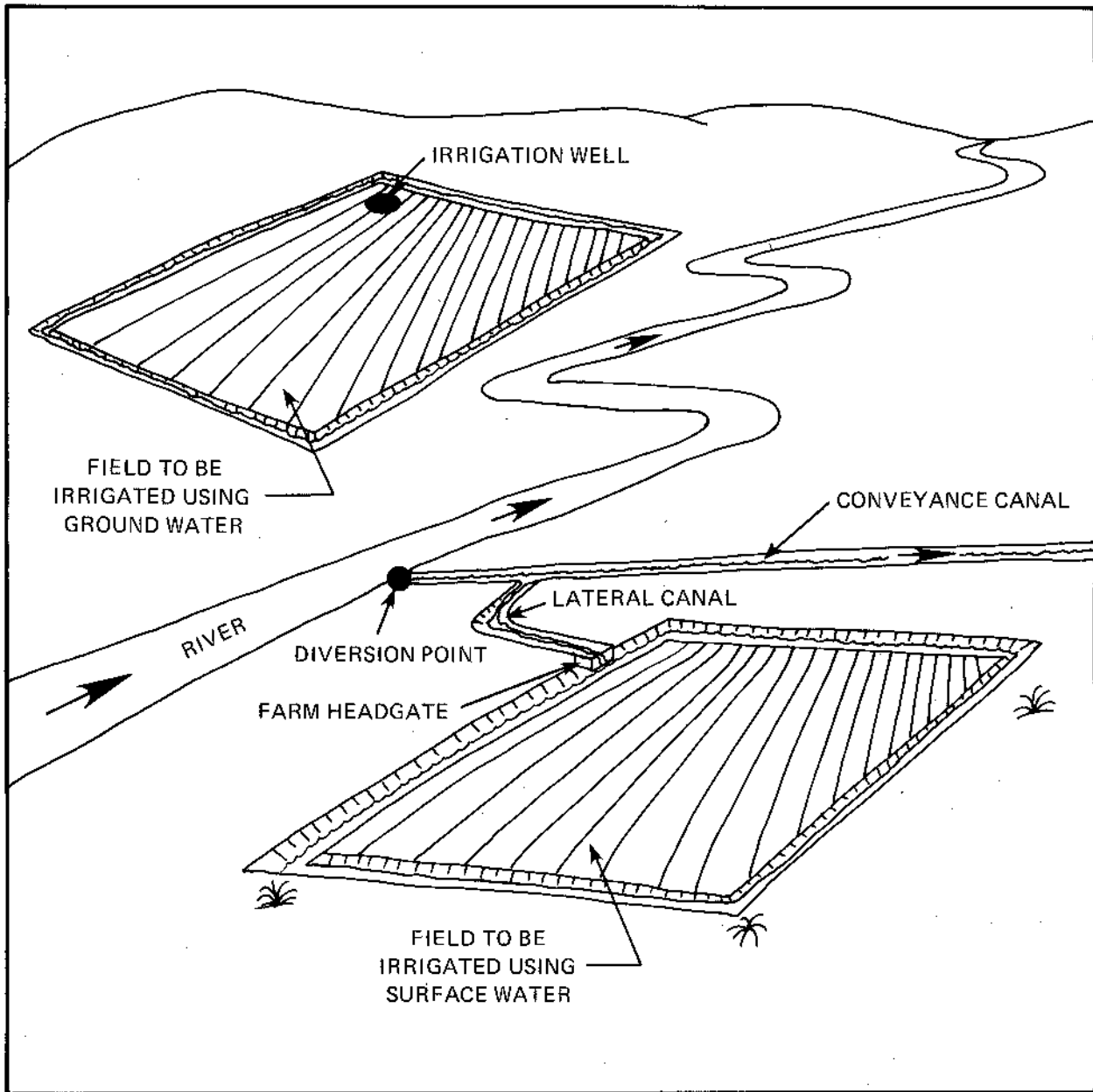
*Sprinkler Systems* gives the estimated number of acres irrigated with sprinkler irrigation systems during the inventory years.

### Crop Data (Table 4)

Table 4 provides estimated irrigated crop acreages for each county and for the State, for each of the inventory years. Irrigated crop acreages sometimes exceed irrigated acreages shown in Table 1 because two or more irrigated crops were grown during the same year on the irrigated land (double cropping). Skip-row planted crop acreages have been converted to equivalent solid-planted acreages. Explanations of the crop designations in Table 4 are given below:

*Cotton* includes all types and varieties, including Egyptian.

*Grain Sorghum, Corn, Rice, Wheat, and Other Grain* include all types and varieties of each when planted "to be harvested for grain." Acreage is included



**Irrigation Systems Using Ground Water and Surface Water**

if it was intended for the crop to mature as grain for harvest, even though it may have been grazed during early growth.

*Forage Crops* includes all crops planted for forage, silage, and greenchop.

*Peanuts, Soybeans, or Other Oil Crops* include acreages of each harvested for nuts, beans, or seed for vegetable oil extraction.

Both bearing and non-bearing acreages of *Citrus, Other Orchard and Vineyard, and Pecans* are included in these separate items.

*Vegetables—Shallow Root* includes brussel sprouts, cabbage, cauliflower, celery, lettuce, onions, radishes, spinach, strawberries, sweet corn, and other shallow-rooted truck crops.

*Vegetables—Deep Root* includes beans, beets (except sugar beets), cantaloupes, carrots, chard, cucumbers, eggplant, okra, peas, peppers, pumpkin, squash, sweet potatoes, tomatoes, turnips, watermelons, and other deeper-rooted crops.

*Alfalfa, Other Permanent Hay and Pasture, Sugar Beets, Sugar Cane, and Irish Potatoes* are the remaining specific crop categories. An *All Other Crops* category is



included for recording acreage of any irrigated crop not otherwise classified.

### Miscellaneous Countywide Data (Table 5)

Table 5 provides countywide data from the 1979 inventory only. Inventory items having significance to the current status of Texas irrigation have been tabulated.

The number of miles of lined ditches and underground pipelines and acreages served, and the number of on-farm impoundments used for irrigation and acreages served, are shown as improved conservation measures being used by Texas irrigators.

An irrigated operating unit reflects the acreage under the control of an individual operator as being an operating unit regardless of the number or location of the parcels of land that the producer operated.

The number of acres served by sprinkler systems is shown for mobile systems and stationary systems for each county. Mobile sprinkler systems include center pivot, side roll, mobile dragline, and traveling systems. The stationary systems include solid set, dragline, and hand moved. This table also shows the number of acres served by trickle irrigation in each county.

Table 5 includes the estimated acreage that is equipped for irrigation and that was irrigated previously, but not in 1979. An adequately producing well for ground-water irrigation use, or turnouts and other required facilities for surface-water use, were considered minimal facilities to qualify acreage for this item.

### Major Irrigation Areas (Table 6)

In Table 6, the county data in Table 1 are selectively regrouped to show the acreage irrigated and the water used in those counties comprising major irrigation areas of the State. The data are presented for the five inventory years—1958, 1964, 1969, 1974, and 1979. Figure 7 serves as an index to the county grouping, and Figure 8 shows in some detail the location of irrigated lands in the State. Discussion of the major irrigation areas is given in subsequent portions of the text.

## RESULTS AND SUMMARY

### General

Irrigation is practiced in many parts of Texas under various climatic conditions. In the arid far western part of

the State, irrigation supplies almost all of the water used by crops. In the subhumid parts of the State a significant part of the crop water requirement is derived from rainfall; therefore in most years irrigation is used during infrequent critical dry periods.

Texas irrigation has increased from 6.7 million acres (2.7 million ha) in 1958, to 7.7 million acres (3.1 million ha) in 1964, to 8.2 million acres (3.3 million ha) in 1969, to 8.6 million acres (3.5 million ha) in 1974, and decreased to 7.8 million acres (3.2 million ha) in 1979 (Figure 1 and Tables 1, 2, and 6). The decrease in acres irrigated in 1979 was, at least in part, due to a wetter than normal growing season. Thus, some acres were not irrigated in 1979 because adequate moisture was obtained from rain. Ground water (only) was used for irrigating about 71 percent of the acreage irrigated in 1979, surface water (only) was used to irrigate 19 percent of the acreage, and 10 percent was irrigated using a mixed supply of ground and surface water.

Irrigation water use in crop year 1979 was difficult to estimate because of the rainfall distribution (Figure 2). Much of western Texas went into the spring months with above normal rainfall, and the rainfall and soil moisture were above average during the 1979 growing season. Some irrigation was used for preplant, but from seeding time until crop maturity, little irrigation water was used.

### Irrigation Water Use

Irrigation water use increased from 9.6 million acre-feet (11.8 km<sup>3</sup>) in 1958 to 12.5 million acre-feet (15.4 km<sup>3</sup>) in 1964. From 1964, however, water use decreased somewhat despite a large gain in irrigated acreage, and in 1969 was 11.6 million acre-feet (14.3 km<sup>3</sup>), a reduction of 0.9 million acre-feet (1.1 km<sup>3</sup>) from 1964. The total water use in 1974 on irrigated crops was 13.1 million acre-feet (16.2 km<sup>3</sup>), a 13 percent increase from 1969. While 1964 and 1974 were dry, 1958 and 1969 were relatively wet years (Figure 3).

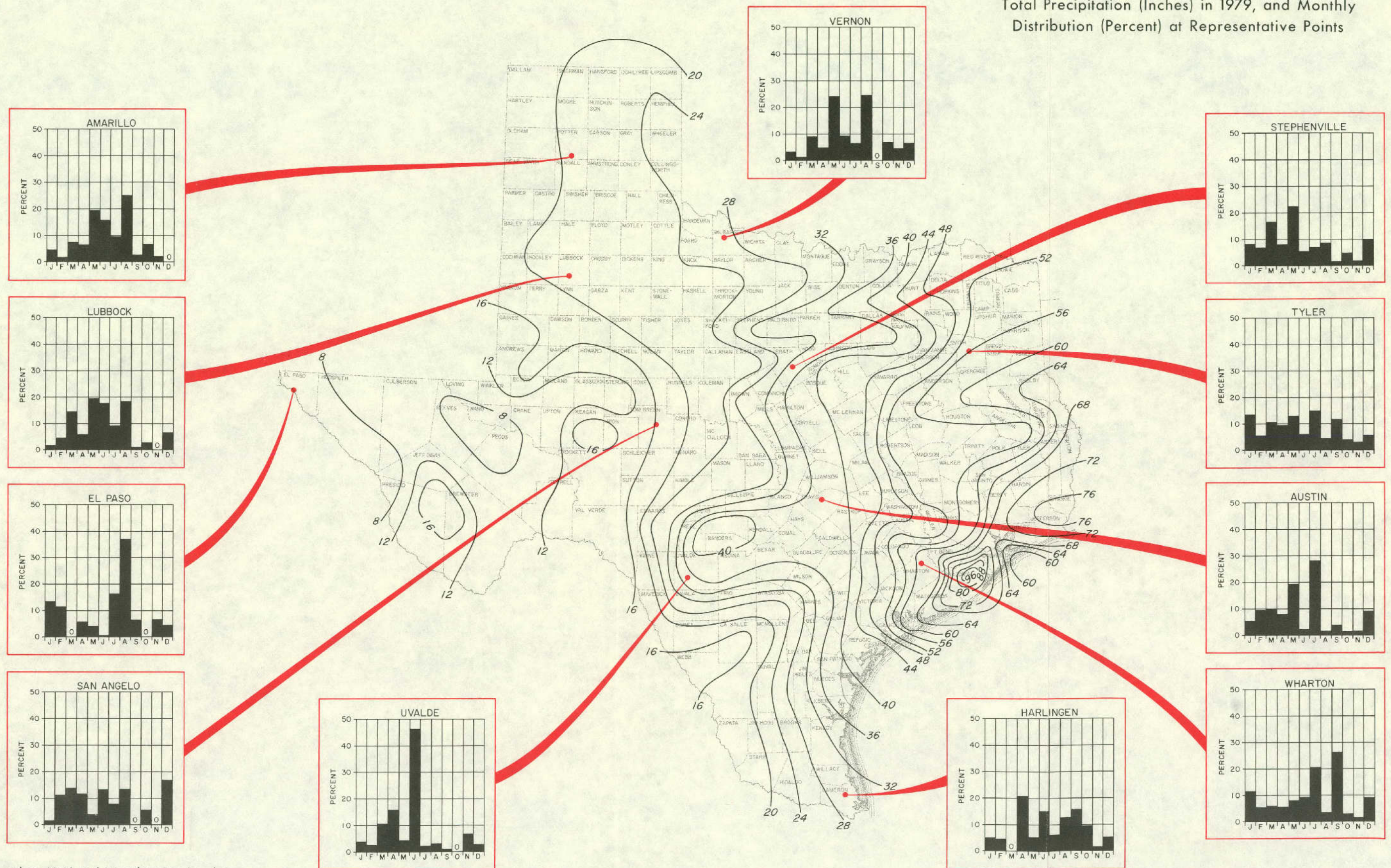
The total water use in 1979 on irrigated crops was 9.7 million acre-feet (12.0 km<sup>3</sup>), a 26 percent decrease from 1974, or a reduction of 3.4 million acre-feet (4.2 km<sup>3</sup>). In general 1979 was a wet year with rainfall distributed evenly throughout the spring and summer (Figures 2 and 3), although the first three months and last three months in many areas of the State were fairly dry.

On-farm use of surface water in 1958 was 2.17 million acre-feet (2.68 km<sup>3</sup>), 1.99 million acre-feet (2.46 km<sup>3</sup>) in 1964, 2.35 million acre-feet (2.90 km<sup>3</sup>) in 1969, 2.19 million acre-feet (2.70 km<sup>3</sup>) in 1974, and 1.85 million acre-feet (2.28 km<sup>3</sup>) in 1979, a decrease of 15 percent from that used in 1974.





Figure 2  
Total Precipitation (Inches) in 1979, and Monthly  
Distribution (Percent) at Representative Points



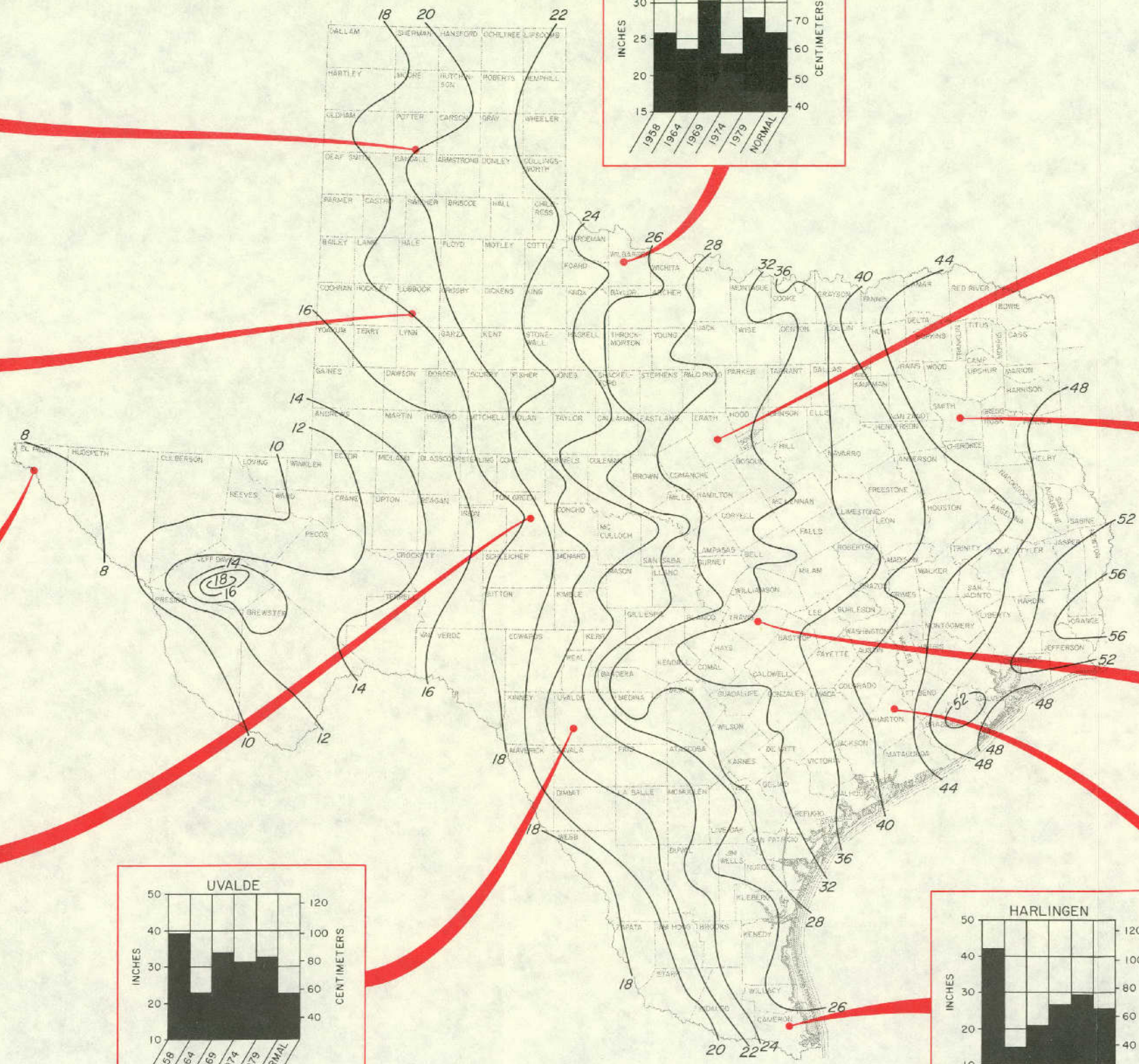
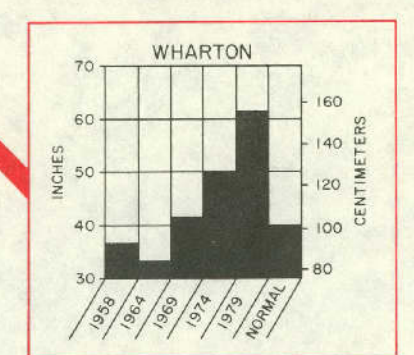
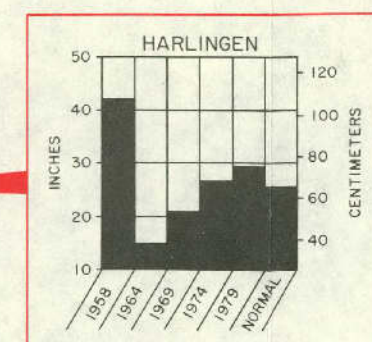
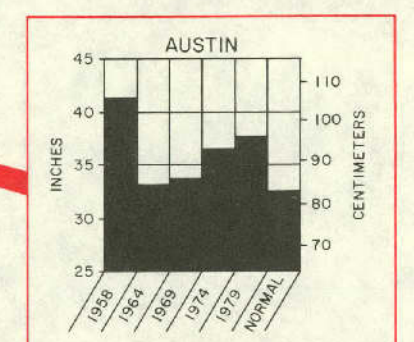
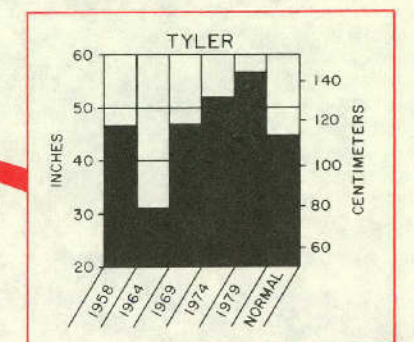
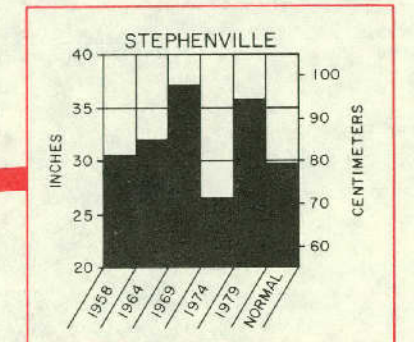
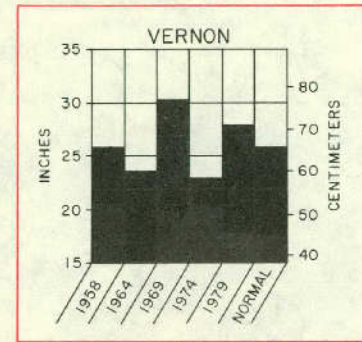
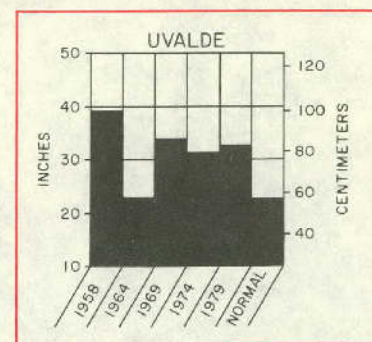
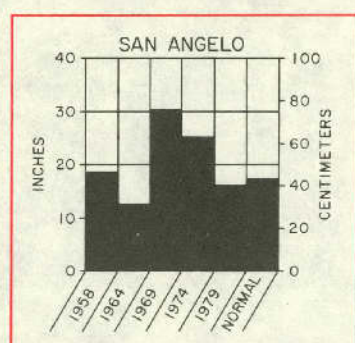
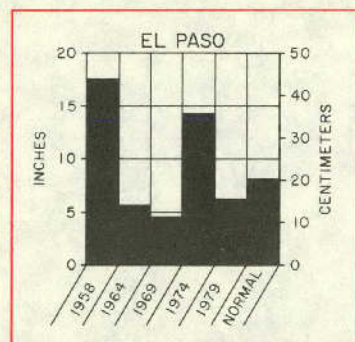
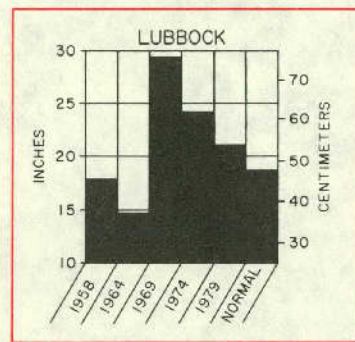
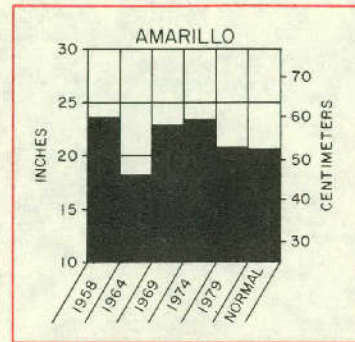
Based on National Weather Service data







Figure 3  
Normal Annual Precipitation (Inches), and Annual  
Precipitation for Inventory Years at Representative Points



Based on National Weather Service data







Ground-water use was 6.95 million acre-feet (8.57 km<sup>3</sup>) in 1958, 9.99 million acre-feet (12.32 km<sup>3</sup>) in 1964, 8.62 million acre-feet (10.63 km<sup>3</sup>) in 1969, 10.28 million acre-feet (12.68 km<sup>3</sup>) in 1974, and 6.92 million acre-feet (8.53 km<sup>3</sup>) in 1979, which was a decrease of 33 percent from the amount used in 1974. Much of this decrease in ground-water use was in the High Plains.

The quantity of water use from combined supplies of ground and surface waters in 1979 was 949,000 acre-feet (1.17 km<sup>3</sup>), which was 333,000 acre-feet (0.41 km<sup>3</sup>) more than in 1974. Several counties in the High Plains used a substantial amount of rainfall runoff in the playa lakes and this was reported as combined supplies.

Statewide water use per acre irrigated in 1958 was 1.43 acre-feet per acre (0.44 m<sup>3</sup>/m<sup>2</sup>), 1.62 acre-feet per acre (0.49 m<sup>3</sup>/m<sup>2</sup>) in 1964, 1.41 acre-feet per acre (0.43 m<sup>3</sup>/m<sup>2</sup>) in 1969, 1.52 acre-feet per acre (0.46 m<sup>3</sup>/m<sup>2</sup>) in 1974, and only 1.24 acre-feet per acre (0.38 m<sup>3</sup>/m<sup>2</sup>) in 1979. These use rates reflect the dry years of 1964 and 1974 and the wetter years of 1958, 1969, and 1979.

Irrigation wells continue to increase in number even though some of the older wells have deteriorated and have been abandoned. There were about 55,000 wells in 1958, 70,000 in 1964, 83,000 in 1969, 90,000 in 1974, and 95,000 in 1979. Not all of these wells were necessarily used in the inventory year referenced, although all were considered operable during that year. As an indication of the relative depletion of the Ogallala aquifer, the average acreage served per well in 1979 in the North High Plains was 200 acres (81 ha), while in the South High Plains the average acreage per well was 58 acres (23 ha).

## Irrigated Crops

Irrigated crop acreage decreased in the State in 1979. There was 7.0 million acres (2.8 million ha) in 1958, 8.0 million acres (3.2 million ha) in 1964, 8.3 million acres (3.4 million ha) in 1969, 8.8 million acres (3.6 million ha) in 1974, and 8.1 million acres (3.3 million ha) in 1979 (Table 4). The difference in acreage between the acreage irrigated and the irrigated crop acreage results from double cropping—growing two or more crops on the same acre during the inventory year. Double cropping was practiced on 242,000 acres (97,900 ha) in 1979, which was 90,000 acres (36,400 ha) more than in 1974.

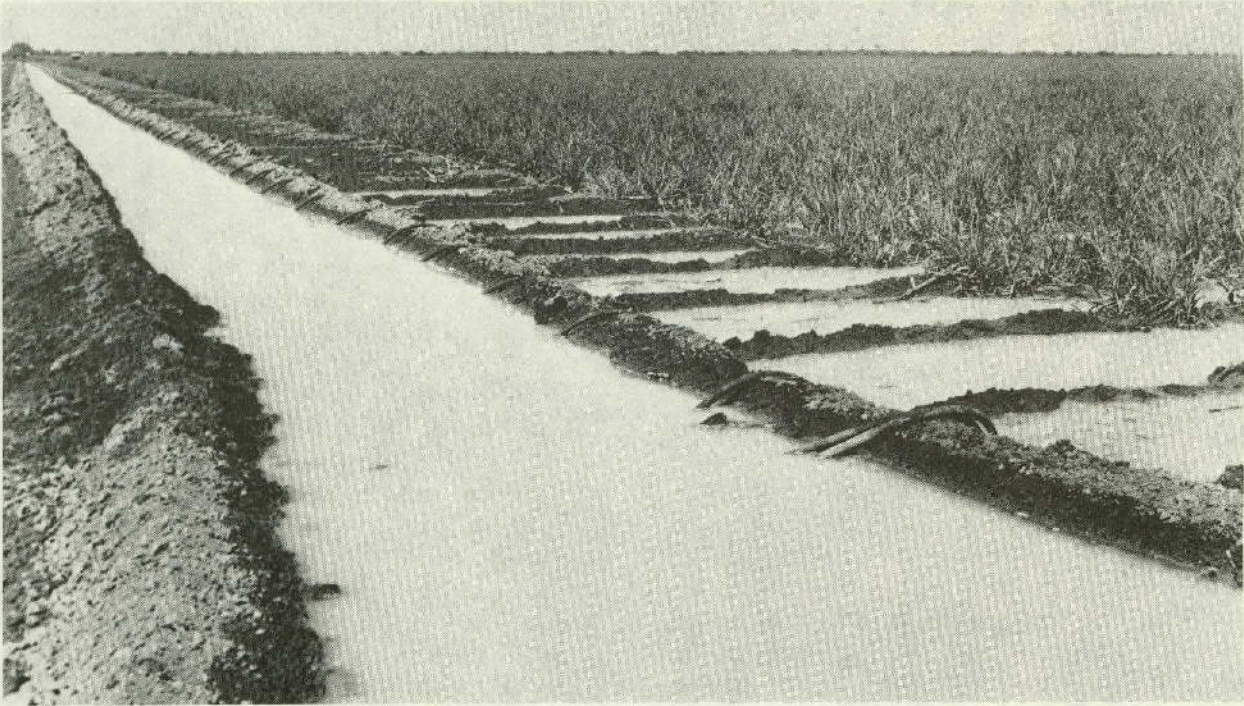
In the statewide irrigated cropping pattern, the irrigated acreage of grain sorghum has trended downward since 1969. Irrigated acreage in pasture, hay, and other feeds as a group trended upward strongly through 1969, but declined by 1979 to only 8 percent of the irrigated acreage. Wheat accounts for 15 percent of the 1979 irrigated acreage.

Irrigated cotton acreage increased by 7 percent, or 138,000 acres (55,800 ha), from 1974 to 1979 (Table 4). Most of the cotton acreage is located in the South High Plains. Due to an attractive market, cotton is the leading irrigated crop in Texas. Many acres of grain sorghum have been replaced with cotton and corn. Irrigated cotton acreage has increased in many parts of the State including the Lower Rio Grande Valley, High Plains, and El Paso areas. Irrigated grain sorghum acreage was 49 percent lower in 1979 than in 1974, or 1,204,000 acres (487,300 ha) less. Corn had a 39 percent increase in 1979 over 1974, or 276,000 acres (111,700 ha) more. Wheat decreased 3 percent or

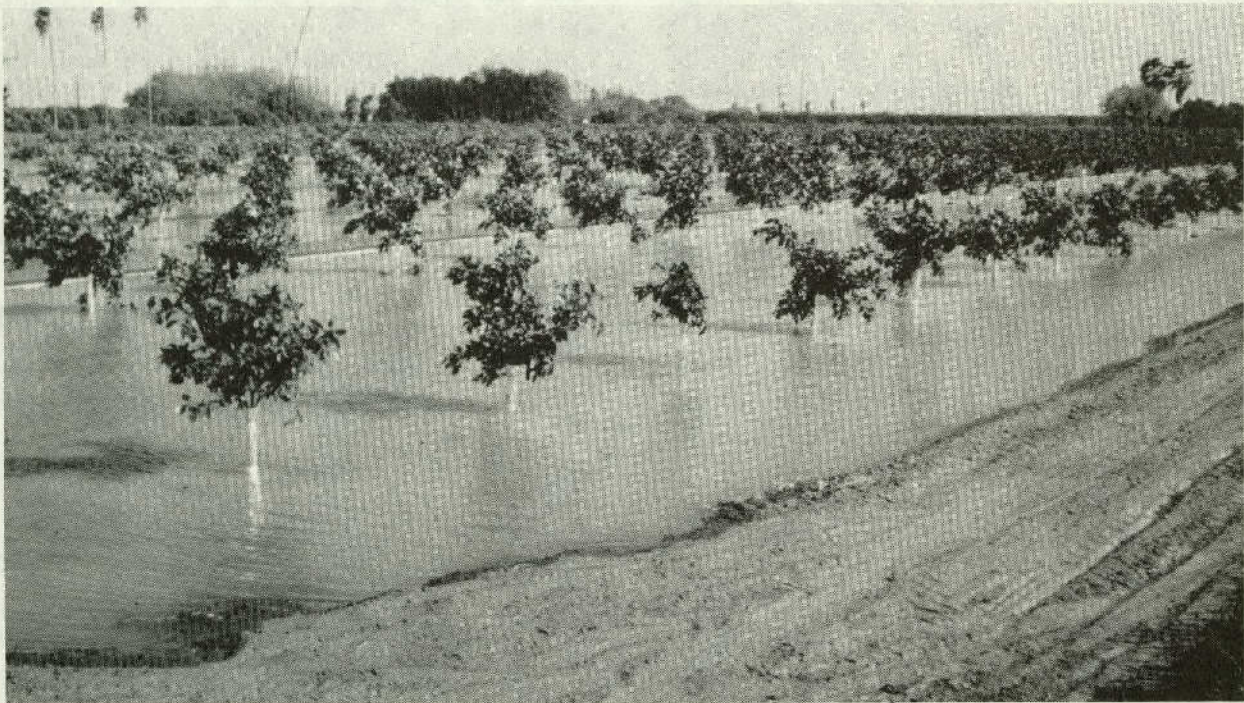
Statewide Irrigation Cropping Pattern,  
Percentage by Irrigated Crops

	1958	1964	1969	1974	1979
Grain Sorghum	31	32	33	28	16
Cotton	29	29	22	24	28
Pasture, Hay, and Other Feed	12	13	17	11	8
Wheat	11	11	11	14	15
Vegetables	7	5	4	3	3
Rice	6	6	7	6	7
Corn	2	1	3	8	12
All Other	2	3	3	6	11
Total	100	100	100	100	100



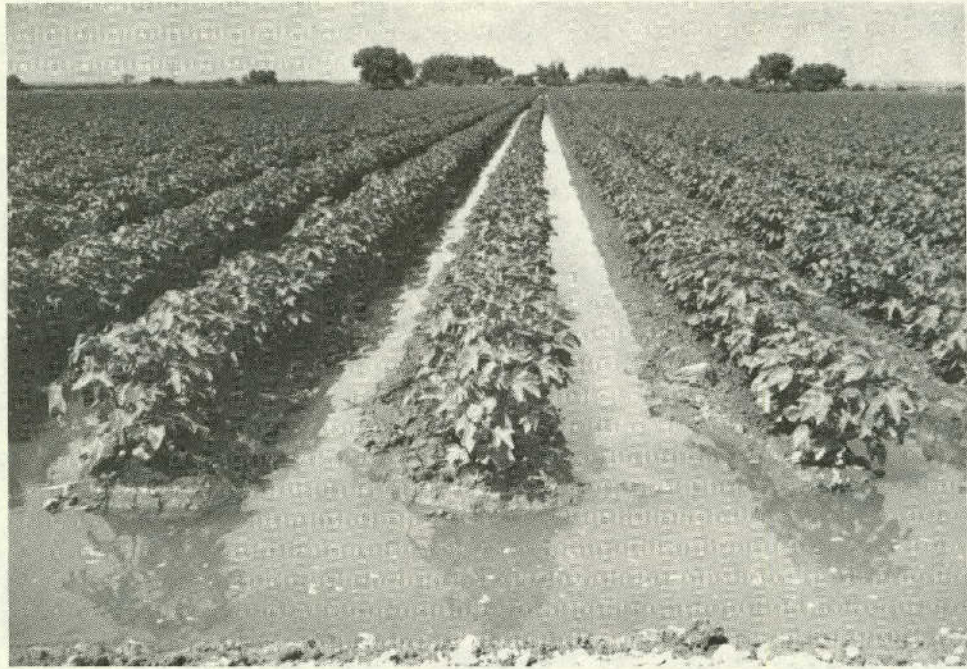


**Sugarcane provided with furrow irrigation, Lower Rio Grande Valley.  
Photo courtesy U.S. Soil Conservation Service.**



**Citrus orchard undergoing flood irrigation in the Lower Rio Grande Valley.  
Photo courtesy U.S. Soil Conservation Service.**



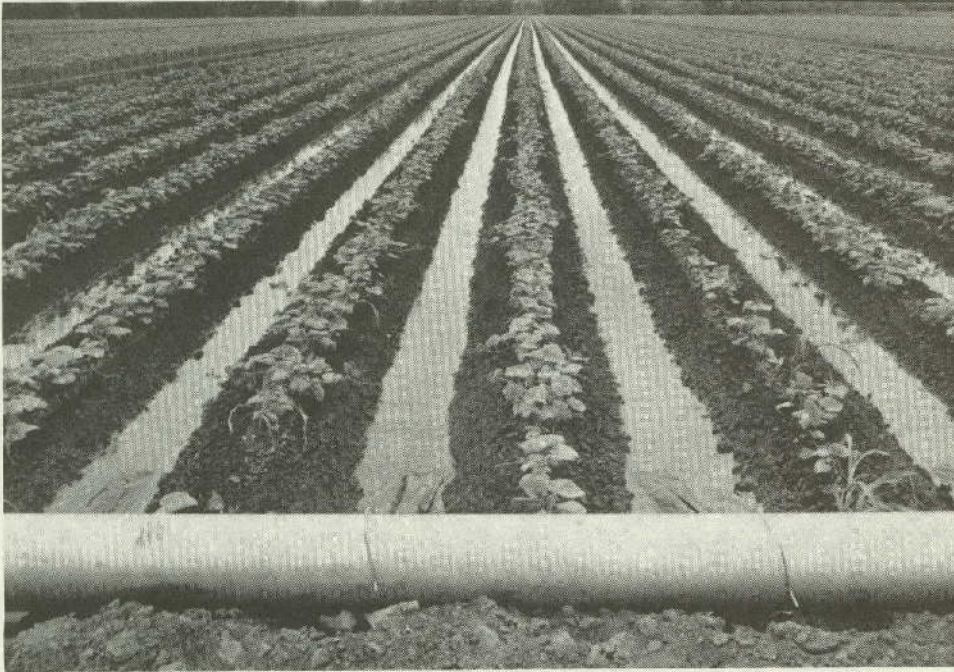


**Cotton with furrow irrigation in El Paso County.**

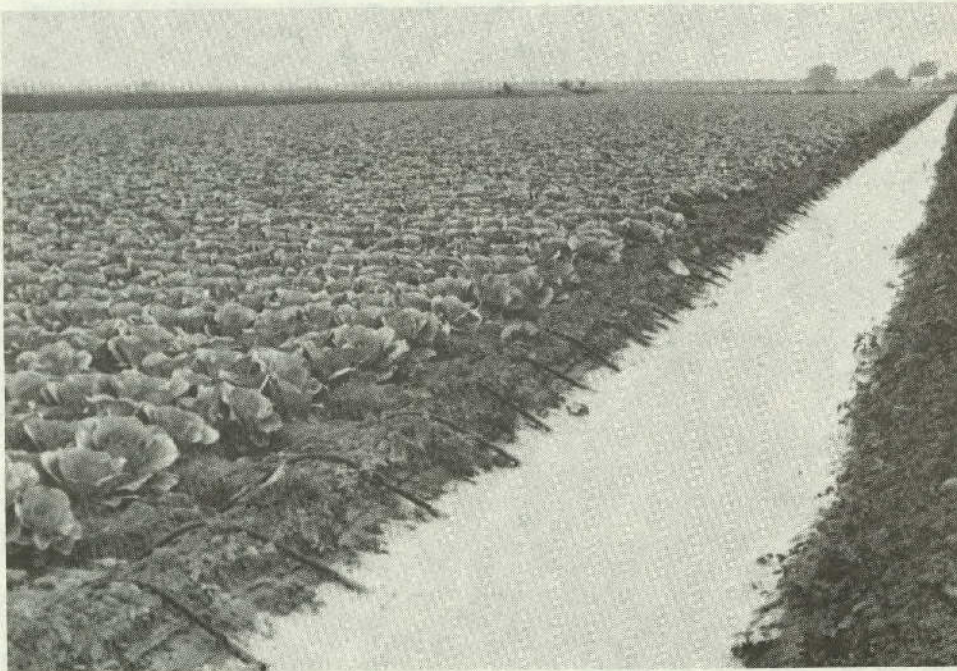


**Irrigated pecans using the border irrigation system, Maverick County.**



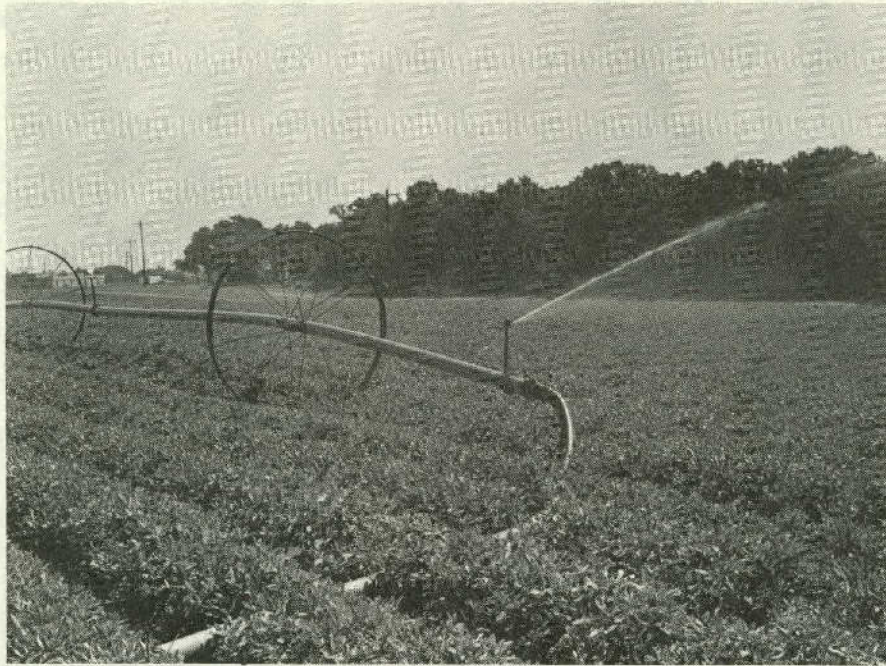


Cucumbers being irrigated by the furrow method using gated pipe in the Winter Garden, Uvalde County.

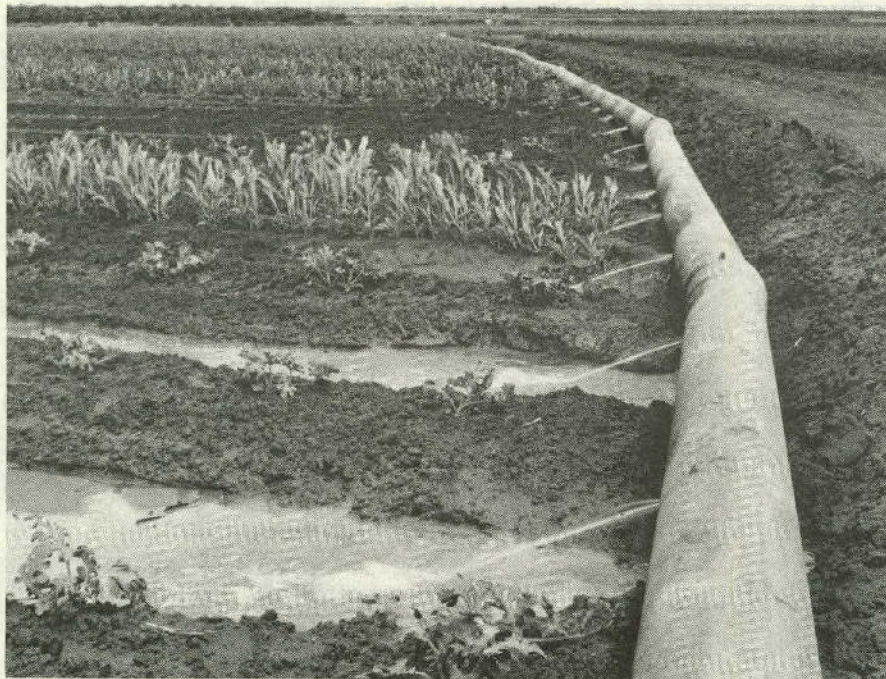


Irrigated cabbage using the furrow method in the San Antonio area.  
Photo courtesy U.S. Soil Conservation Service.



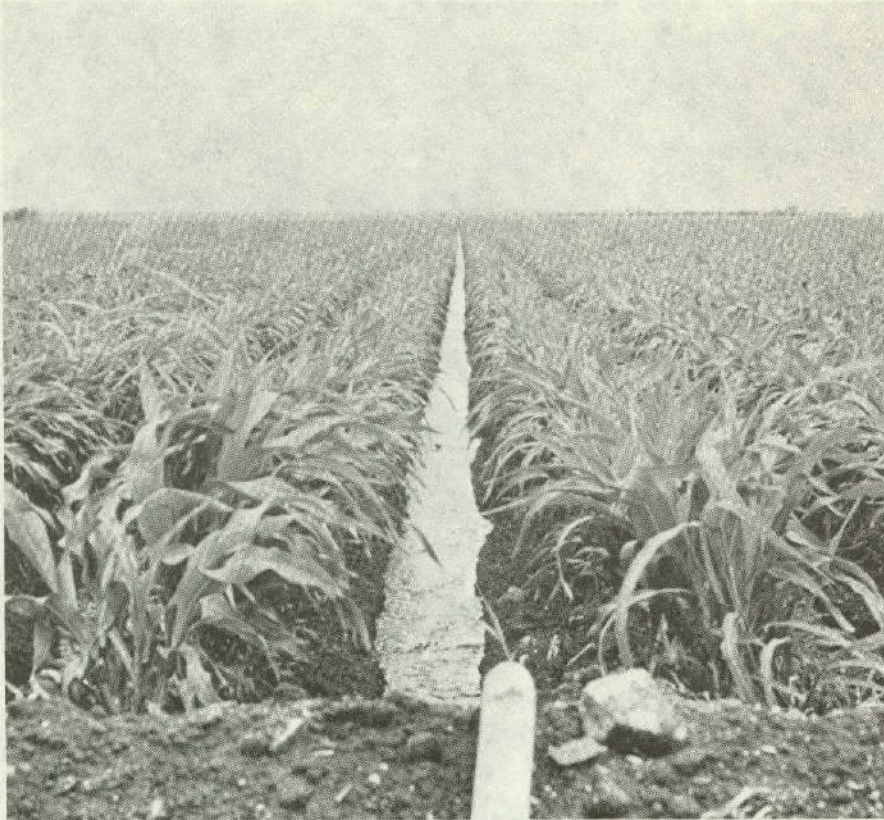


Irrigated peanuts using a side-roll sprinkler system, Erath County.



Watermelons being irrigated from gated pipe, Hidalgo County.





Grain sorghum being irrigated by furrow system in Hale County.  
Photo courtesy of U.S. Soil Conservation Service.



Corn being irrigated by furrow system, Parmer County.



36,000 acres (14,600 ha) in 1979 compared with 1974, and rice acreage decreased by about 3 percent or 16,000 acres (6,500 ha). Cotton, grain sorghum, wheat, and corn are the leading irrigated crops in 1979, in the order listed (Table 4).

Irrigated pecans had a 130 percent increase in 1979 over 1974, or an increase of 22,000 acres (8,900 ha). The acreage of this crop is expanding in the El Paso Valley, parts of the Winter Garden-San Antonio area, parts of the South High Plains, parts of the Edwards Plateau, Cross Timbers, and in small tracts in many other parts of the State. Trickle irrigation systems are being used in many of the new pecan orchards.

Alfalfa acreage increased in 1979 by 900 acres (364 ha) over 1974. A large acreage of alfalfa is planted in the sandhill country of Yoakum, Bailey, Lamb, Deaf Smith, and Gaines Counties. Alfalfa acreage remained about the same in El Paso, Hudspeth, Pecos, and Reeves Counties in the Trans-Pecos.

Oil crops other than cotton—principally peanuts, soybeans, castors, guar, flaxseed, and sunflowers—accounted for 471,000 acres (190,600 ha) in 1979. Of this total, peanuts accounted for 123,000 acres (49,800 ha) and soybeans 303,000 acres (122,600 ha). There was 11,000 more acres (4,500 ha) of peanuts in 1979 than in 1974, and 145,000 more acres (58,700 ha) of soybeans.

Soybeans was produced with irrigation mostly on the High Plains, either as a regular rotation crop or from late seedings on land where earlier cotton plantings had been damaged by hail or other causes. In some instances, soybeans was planted following wheat where double cropping is practiced. Some of the dryland soybeans was concentrated in the more humid, eastern part of the State.

Irrigated fruits are important to the economy of Texas agriculture. The value of all fruits and nut production (dryland and irrigated) in 1979 in Texas was about \$85.2 million. Citrus (irrigated) accounted for about \$44.7 million of this total value. Grapefruit and oranges were grown on 99,000 irrigated acres (40,000 ha) in the four Lower Rio Grande Valley counties in 1979. The acreage of citrus was 69,000 acres (27,900 ha) in 1958, 86,000 acres (34,800 ha) in 1964, 101,000 acres (40,800 ha) in 1969, and 98,000 acres (39,700 ha) in 1974. Peaches and apples are grown both under irrigation and dryland in many parts of the State.

Sugarcane is grown only in the Lower Rio Grande Valley of Texas. About 35,000 acres (14,200 ha) of

sugarcane was irrigated in 1979 in the Valley, compared to 30,000 acres (12,100 ha) in 1974.

Grapes is a crop that has expanded in acreage in the last few years in the South High Plains; this is included in Table 4 in the designation "other orchard and vineyard."

## Major Irrigation Areas

Figure 7 shows the general outline of the major irrigation areas which are discussed below. As indicated in Table 6, these major irrigation areas account for more than 96 percent of the irrigated land in Texas in 1979. Figure 8 shows the approximate location of the lands irrigated in the State in 1979 and the kind of water used—ground water or surface water.

### The High Plains

The High Plains accounts for nearly 5.2 million acres (2.1 million ha) or 67 percent of the total 1979 irrigated acreage in the State, and most of it is irrigated with ground water, mostly from the Ogallala aquifer. In some areas the saturated thickness of the aquifer is less than 50 feet (15 m) while in other areas it is more than 500 feet (150 m). Severe diminution of the water supply occurs in the thin sections, and in some areas in the South High Plains the water is essentially depleted and cropping has been converted to dryland. For instance, ground water pumped for irrigation in Dawson County has decreased from 105,100 acre-feet (0.13 km<sup>3</sup>) in 1958 to 9,700 acre-feet (0.012 km<sup>3</sup>) in 1979. However, acres planted to cotton in Dawson County has increased from 209,000 acres (84,600 ha) in 1958 to 308,800 acres (125,000 ha) in 1979.

The amount of ground water used for irrigation on the High Plains in 1979 was 5.4 million acre-feet (6.7 km<sup>3</sup>) which was 75 percent of the ground water used for irrigation in the State in 1979. The 1979 High Plains irrigation use was a decrease of 2.6 million acre-feet (3.2 km<sup>3</sup>) from 1974, and 666,000 fewer acres (269,500 ha) was irrigated than in 1974. In 1979, 1,400 acres (567 ha) was irrigated with only surface water and 449,000 acres (181,700 ha) with combined surface-water and ground-water supplies, mainly using rainfall runoff in playa lakes.

During the winter months, the moisture level in the soil was low in the High Plains and in some areas preplant irrigation was necessary. However, the spring was wet and cool which delayed planting and

development of the cotton crop. Many areas in the South Plains were irrigated preplant only, or not at all, due to larger amounts of rain than usual. Many of the wells in the South Plains were not used to their maximum capacity. During the 1979 crop year, many acres were farmed dryland due to available soil moisture, and many dryland areas made good yields which were comparable to normal irrigated yields. For instance, the 1979 average dryland cotton yield for the South High Plains was 361 pounds of lint per acre (405 kg/ha), compared to 367 pounds of lint per acre (411 kg/ha) for irrigated cotton.

Many farmers in the South Plains area have installed electric powered submersible pumps into their small wells. Some farmers have installed "collector" tanks, such as fiber glass tanks, on their land to provide central collection of the water supply for sprinkler systems, since water tables are declining and most wells are producing low yields. Some areas that are usually irrigated with weak wells were not irrigated in 1979.

The North Plains (north of the Canadian River) also experienced substantial rains in 1979. However, the rains were not as general as on the South Plains. Irrigation water use was down, but most irrigation fields were irrigated at some time during the year. Both dryland wheat and irrigated wheat made exceptionally good yields in 1979. Many farmers in this area are converting to low pressure sprinkler irrigation systems and pumping less water because of rising energy costs.

In some areas of the High Plains, especially in Hale and Crosby Counties, playa lake water was available for irrigation in 1979. It was utilized mostly through tailwater recovery systems.

The installation of underground pipelines has expanded, and this along with bench levelling, shortening the rows of furrow irrigation, installation of tailwater recovery systems, judicious use of water at critical crop growth periods, and fewer irrigations have reduced total water use, thereby conserving the water supply. Parallel terraces and furrow diking systems for moisture conservation are gaining in popularity as means of better utilizing the rainfall on dryland areas, and for better use of irrigation water and rainfall on irrigated areas.

Side-roll and center-pivot sprinkler systems have replaced much of the older sprinkler equipment and helped reduce the labor costs in irrigation. The furrow method remains the most popular irrigation method on the "hardland soil", and sprinkler systems predominate on the "mixed" and "sandy" soils.

## El Paso Valley

Irrigation in El Paso and Hudspeth Counties along the Rio Grande principally uses surface water from the Rio Grande. Major storage for this water is the reservoir behind Elephant Butte Dam in New Mexico. This dam and the delivery canals and drainage ditches make up the irrigation project that was completed in 1916. All water delivery from the reservoir to farms is by gravity flow. In 1979, surface water was adequate to meet the irrigation needs in El Paso County. In 1958, 62,700 acres (25,400 ha) was irrigated while in 1964 there was 64,700 acres (26,200 ha); in 1969, 71,900 acres (29,100 ha); in 1974, 68,400 acres (27,700 ha); and in 1979, 64,300 acres (26,000 ha). The amount of water used for irrigation was 215,000 acre-feet (0.265 km<sup>3</sup>) in 1958, 157,000 acre-feet (0.194 km<sup>3</sup>) in 1964, 254,000 acre-feet (0.313 km<sup>3</sup>) in 1969, 216,000 acre-feet (0.266 km<sup>3</sup>) in 1974, and 193,000 acre-feet (0.238 km<sup>3</sup>) in 1979. The irrigation water contains from 0.7 to 1.3 tons of soluble salt per acre-foot (0.52 to 0.96 kg/m<sup>3</sup>), so extra water is used before planting to leach the soluble salts below the root zone in the soil.

The water used in the Valley in Hudspeth County is the Rio Grande water not used in El Paso County, plus the return flows from the irrigated land in El Paso County and sewage effluent from El Paso. The water is usually of lower quality than normal river flows and fluctuates greatly in amount. In seasons with insufficient streamflow to meet the irrigation needs of the crops, irrigators apply poor-quality water obtained from shallow wells in the alluvium.

## Lower Rio Grande Valley

The Lower Rio Grande Valley consists of a four-county area—Cameron, Willacy, Hidalgo, and Starr. In 1958, 768,000 acres (310,800 ha) was irrigated; in 1964, 819,000 acres (331,500 ha); in 1969, 808,000 acres (327,000 ha); in 1974, 794,000 acres (321,300 ha); and in 1979, 789,400 acres (319,500 ha). Irrigated acreage is fairly stable because of the adjudicated water rights to the use of Rio Grande waters.

Most of the water used for irrigation is obtained from storage in Amistad and Falcon Reservoirs on the Rio Grande. In 1979 there was 925,800 acre-feet (1.142 km<sup>3</sup>) of surface water used, which is 99 percent of the total water used for irrigation in the Valley. Ground water accounted for only 1 percent.

The water supply for the Lower Rio Grande Valley was very good in 1979, as water stored in Falcon Reservoir had reached the maximum storage limit. The

more than adequate surface-water supplies and above average rainfall made unnecessary any significant use of the limited ground-water supply.

#### North-Central Texas

The general designation of North-Central Texas, in this report, includes 26 counties in parts of the Rolling Plains, Reddish Prairies, and central Edwards Plateau in which irrigation is concentrated in relatively small, scattered areas (Figures 7 and 8).

The use of irrigation water in this region is largely dependent upon the amount of rainfall and the availability of ground water of usable quality. Some of the surface and ground water is high in soluble salts and cannot be used for irrigation or it must be used with caution or on very salt tolerant crops. Most of the wells are shallow and weak.

In this region, 155,000 acres (62,700 ha) was irrigated in 1958, 261,000 acres (105,600 ha) in 1964, 290,000 acres (117,400 ha) in 1969, 313,000 acres (126,700 ha) in 1974, and 304,000 acres (123,000 ha) in 1979. Haskell, Knox, Hall, Tom Green, Glasscock, and Reagan Counties each had more than 20,000 acres (8,100 ha) of irrigated land in 1979. All other counties had less than 20,000 acres (8,100 ha) each.

Generally, the San Angelo area has been dry-farmed in the past because surface water has not been available; however, surface water was available for irrigation of 17,000 acres (6,900 ha) in 1979.

#### Trans-Pecos

The irrigated land in the Trans-Pecos consists of a number of individual areas in Reeves, Pecos, Ward, Hudspeth (Dell City area), and Culberson Counties. Pecos and Reeves Counties were thriving irrigated areas until 1976 and 1977. However, rising fuel costs for irrigation pumping has changed that. Now there are many acres of idle cropland, empty concrete-lined irrigation canals, wells with motors removed, and vacant cotton gins. A different method of irrigating this area is now being tried. Some producers are switching from the graded furrow method to low pressure center-pivot sprinkler systems to reduce labor and energy costs. Some cotton producers are using different plant varieties, less fertilizer, and less water to produce less yield per acre but at an acceptable return for their investment.

A few new irrigation areas have been developed in the Trans-Pecos area since the 1974 inventory. One is

near Valentine, in Jeff Davis County; another is north of Van Horn, in Culberson County (Figure 8).

The total area irrigated in the Trans-Pecos was 250,000 acres (101,200 ha) in 1958, 284,000 acres (114,900 ha) in 1964, 174,000 acres (70,400 ha) in 1969, 177,000 acres (71,600 ha) in 1974, and 127,000 acres (51,400 ha) in 1979. A number of areas along the Pecos River in Reeves County are no longer cultivated because of poor water quality and inadequate amounts in most years.

The ground water used in Reeves County is high in soluble salts, averaging about 4 tons per acre-foot (about 3 kg/m<sup>3</sup>). Heavy water applications, salt tolerant crops such as cotton, and the moderate permeability of the soils permit the use of this water for irrigation.

The salt content of the ground water is relatively high in the Wild Horse area in Culberson County and the Dell City area in Hudspeth County; but, the soils are moderately permeable, are high in gypsum, and maintain a low total salt and sodium content, indicating that much of the salts applied in the irrigation water have been leached out of the root zone of the soil.

The soils irrigated and the water used for irrigation are such in the Trans-Pecos area that continued monitoring of the amounts and kinds of salt in the soils and water is needed along with soil evaluations and good soil management.

#### Winter Garden-San Antonio Area

The Winter Garden-San Antonio area extends from San Antonio west to Brackettville and south to Carrizo Springs including eight counties as outlined in Figure 7. Here the winter climate is mild and the growing season is long, permitting the growing of vegetables, corn, sorghum, and cotton and favoring double cropping.

In 1958, there was 215,000 acres (87,000 ha) irrigated; in 1964, 321,000 acres (129,900 ha); in 1969, 332,000 acres (134,400 ha); in 1974, 322,000 acres (130,300 ha); and in 1979, 309,000 acres (125,000 ha). Surface water was used to irrigate 36,000 acres (14,600 ha) in 1979; 19,600 acres (7,900 ha) was irrigated using combined supplies, and 253,400 acres (102,600 ha) was irrigated from ground-water sources.

There was a decrease of 11,500 acres (4,600 ha) irrigated in Wilson County in 1979 compared with 1974, and a decrease of 9,500 acres (3,800 ha) in Dimmit County. Because of the rainfall distribution in these counties, some areas that normally practice

supplemental irrigation did not require the extra water in 1979.

Some acreages in the Winter Garden-San Antonio area are being withdrawn from irrigation due to deterioration of the wells, high labor and fuel costs, and changes in cropping systems. On the other hand, in other areas of the Winter Garden new land is being brought into production, new wells are being drilled, and new crops planted. Some of this irrigation expansion is on new land brought into cultivation after clearing of brush. In a number of counties south and southeast of San Antonio, irrigation on specialty crops and on dairy farms is expanding.

#### **Middle Rio Grande Valley**

The Middle Rio Grande Valley is an area along the Rio Grande between Falcon and Amistad Reservoirs in Maverick and Webb Counties and includes the Maverick Irrigation District area. The water used for irrigation is from the Rio Grande and is delivered by gravity flow.

There was 38,000 acres (15,400 ha) irrigated in 1958, 50,000 acres (20,200 ha) in 1964, 63,000 acres (25,500 ha) in 1969, 55,000 acres (22,300 ha) in 1974, and 47,000 acres (19,000 ha) in 1979. Most of the irrigation acreage is on the alluvial and terrace soils of the Rio Grande; however, some of the upland soils in Maverick County are irrigated from local surface or ground-water supplies.

#### **Gulf Coast Prairie**

The Gulf Coast Prairie is the rice producing area of Texas, situated in the coastal plain north and east of the Coastal Bend in an area between Victoria and Orange. Much of the rice is double harvested. Surface water is principally used in the eastern part of the area and ground water in the western part.

The area of irrigation was 461,000 acres (186,600 ha) in 1958, 499,000 acres (202,000 ha) in 1964, 571,000 acres (231,000 ha) in 1969, 571,000 acres (231,000 ha) in 1974, and 554,000 acres (224,200 ha) in 1979.

Some land is being cleared of brush or native pasture and planted to dryland grain sorghum and soybeans, while much of the rice land that has been in the rotation schedule of 1 year rice with 2 to 3 years of native grass is going into a shorter rotation of 1 year rice and 1 year grass or soybeans, or 2 years rice and 2 years of grass or soybeans. Many cattle are raised in this area, along with cotton, grain sorghum, and soybeans.

The rainfall was adequate in 1979 for dryland crops. The amount of double harvested rice varied from 50 percent of the total irrigated rice acreage in Wharton County to 10 percent in Brazoria County. Double harvesting increases water usage, as additional irrigation water is required for the second growth of the rice.

#### **Coastal Bend**

The Coastal Bend is a two-county area (Nueces and San Patricio) along the middle coast of Texas which is in effect the southwestern extension of the Gulf Coast Prairie soils. The area uses irrigation only in the dry years to supplement rainfall. There was 22,000 acres (8,900 ha) irrigated in 1958, 30,000 acres (12,100 ha) in 1964, 20,000 acres (8,100 ha) in 1969, and 11,000 acres (4,450 ha) in 1974. Rainfall in 1979 was adequate for crop production and only 2,100 acres (850 ha) was irrigated. Most of the 1979 irrigation was in San Patricio County. A dependable water supply and market for vegetables are needed to increase irrigation in this area.

#### **West Cross Timbers**

The West Cross Timbers is an area of sandy soils that has supported a scattered growth of hardwoods and tall grasses. It occurs in the north-central part of the State between the North Central Prairies and the Grand Prairie (Figure 7). Peanuts, pecans, and peaches are the major irrigated crops since irrigation became widespread in this area beginning in the late 1960's.

In this area there was 14,000 acres (5,700 ha) irrigated in 1958, 18,000 acres (7,300 ha) in 1964, 56,000 acres (22,700 ha) in 1969, 65,000 acres (26,300 ha) in 1974, and 74,500 acres (30,200 ha) in 1979.

Ground water was used to irrigate 33,400 acres (13,500 ha) in 1979; the ground water is shallow and well yields are small. Heavy pumping during the summer months results in decreased well yields.

Some of the stored surface-water supplies were depleted before the irrigation season ended; 36,500 acres (14,800 ha) was irrigated with surface water and 4,600 acres (1,860 ha) with mixed supplies.

#### **Brazos River Valley**

The Brazos River Valley is a six-county area along the Brazos River where most of the irrigated land is on the floodplain or terrace soils adjacent to the river. Cotton is usually the principal irrigated crop; however,



grain sorghum is replacing cotton on some acreage. The areas irrigated totaled 7,000 acres (2,800 ha) in 1958, 103,000 acres (41,700 ha) in 1964, 74,000 acres (29,900 ha) in 1969, 62,000 acres (25,100 ha) in 1974, and 46,400 acres (18,800 ha) in 1979.

In the Brazos River Valley the need for irrigation varies with the amounts and distribution of rainfall. In 1979, rainfall was generally adequate for crop production without irrigation water. Most irrigation facilities were used, but these served fewer acres in 1979 than in 1974.

Some formerly irrigated land has been changed to urban development and gravel pits in McLennan County.

### Land Resources for Irrigation

The kinds, amounts, and locations of the soils physically suitable for irrigation in Texas have been determined from completed soil surveys, conservation needs inventories, and irrigation inventories. Data from these studies show that about 38 million acres (15.4 million ha) of land in the State is physically suited to irrigation, although much of this acreage does not have water available for irrigation use. This 38 million acres (15.4 million ha) includes the presently irrigated land. Some of the data used to obtain this number result from sampling for representative soil data, and it is expected that later, more detailed soil surveys will provide more precise information on the acreage physically suitable for irrigation. However, some land included in this figure will be so distributed that irrigation development will not be feasible. The availability and distribution of water for irrigation will further limit the areas that are developed and put into irrigation.

The acreage of land previously irrigated, and still equipped for irrigation, but not irrigated in 1979 was obtained during the field inventory (Table 5). By definition, this is land having at least an adequately producing well for ground-water use, or minimum turnouts and other facilities for using surface water, or both. Approximately 2.05 million acres (0.83 million ha) was recorded in this category in addition to the 7.82 million acres (3.2 million ha) irrigated in 1979. All of this acreage is readily available for future irrigation. Much of the previously irrigated land is in the rice-producing area of the Coast Prairie where rice, soybeans, and grass are rotated with 1 or 2 years of rice and 1 or 2 years of soybeans or grass. Two counties in the Trans-Pecos, Reeves and Pecos Counties, and a few counties in the High Plains account for most of the remaining acreage of land previously irrigated but not irrigated in 1979.

The number of irrigated operating units in 1979 was 37,400. Based on the acreage irrigated (Table 1) and the number of operating units (Table 5), an average of 209 acres (85 ha) was irrigated per operating unit in 1979 compared with 213 acres (86 ha) per operating unit in 1974.

Urban development continues to expand onto irrigable land, especially in the Houston-Galveston area, El Paso area, San Antonio area, and in the suburbs of smaller cities. In the Lower Rio Grande Valley, large blocks of formerly irrigated land have been converted to trailer parks.

### Sprinkler Systems

Water application with sprinkler equipment has expanded rapidly as labor has become more expensive and less plentiful and as sprinkler equipment has been improved. Tables 1, 2, and 3 include the acreage of land that has been watered with sprinklers.

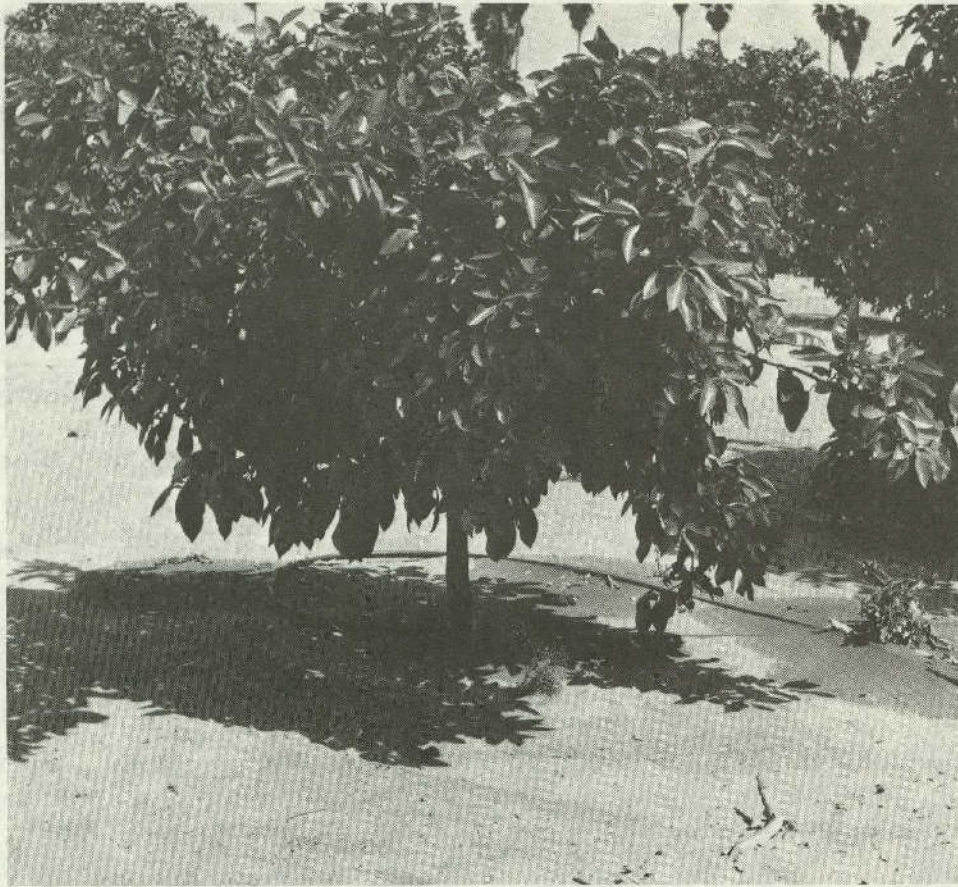
Since 1974, many irrigators have invested in new equipment including side-roll and center-pivot sprinkler systems. In 1979, 2,197,000 acres (889,100 ha) was irrigated with sprinkler equipment. Mobile sprinkler irrigation systems served 1,927,500 of these acres (780,100 ha), and stationary sprinkler irrigation systems served 269,500 acres (109,100 ha). Thus, mobile sprinkler systems served 88 percent of the acres sprinkler irrigated. Much of this acreage was using center-pivot systems on the South High Plains on very sandy soils, on the medium and moderately coarse textured soils of the South High Plains, and on the sandy soils in Dallam County. Sprinkler systems are widely used also in the Cross Timbers and the Winter Garden-San Antonio area, where the sandy soils have gently sloping and uneven surfaces. Statewide 668,000 acres (270,300 ha) was irrigated with sprinkler systems in 1958, 1,077,000 acres (435,900 ha) in 1964, 1,548,000 acres (626,500 ha) in 1969, and 1,814,000 acres (750,300 ha) in 1974.

### Trickle Irrigation

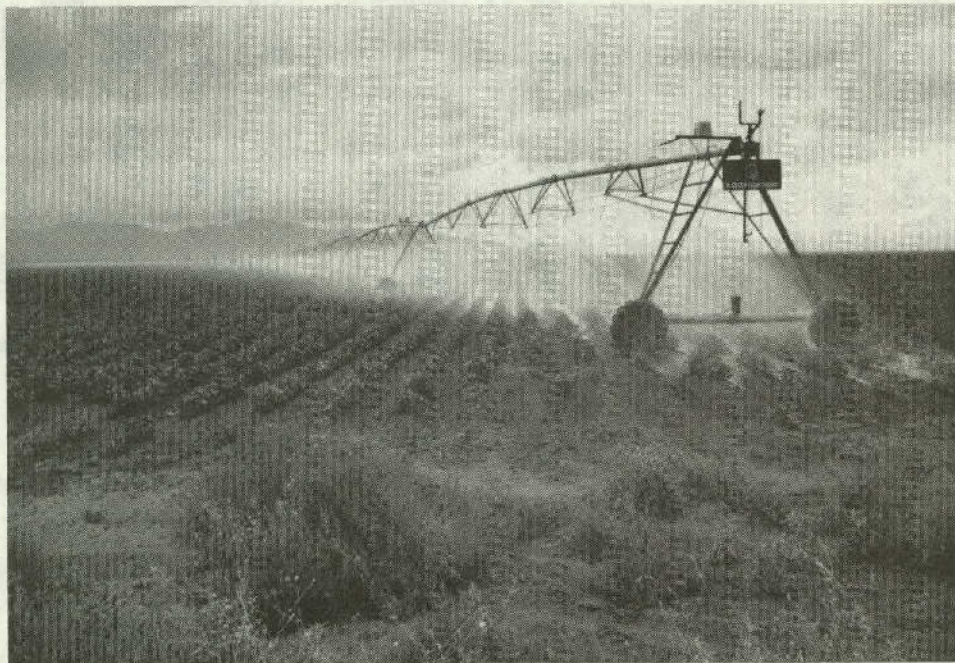
A new approach to irrigation, called trickle or drip irrigation, had its origin in Israel. Its use in American irrigated agriculture is largely restricted at present to perennial crops.

Essentially, trickle irrigation spot-irrigates crops—mostly citrus, pecans, grapes, and fruit orchards currently—by applying water only to the base of each plant. The system utilizes plastic tubes that have emitters located near each plant, and the emitters are



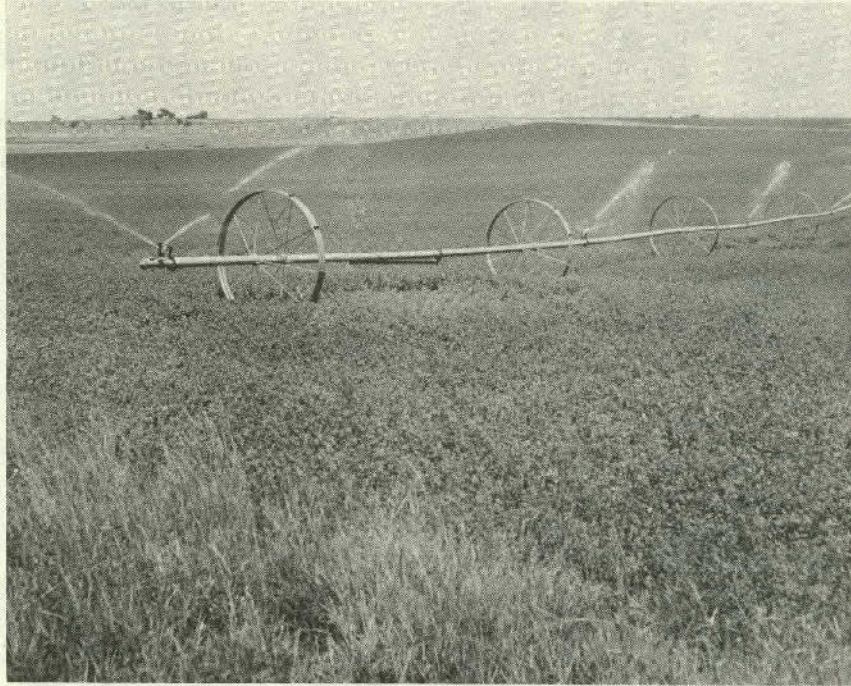


Trickle irrigation system on citrus in the Lower Rio Grande Valley.

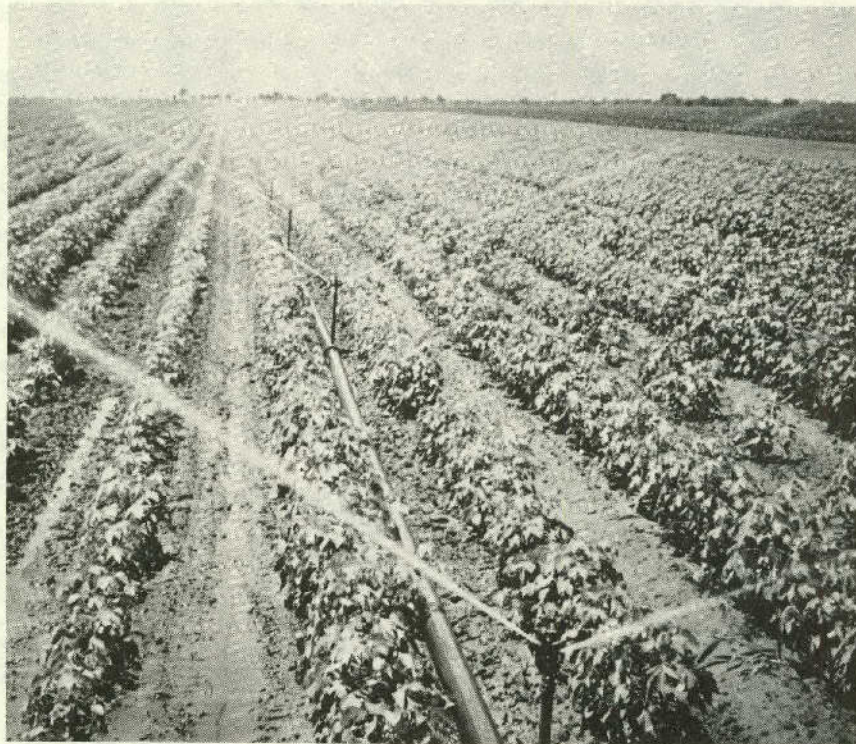


Low pressure center-pivot sprinkler irrigating cotton, Culberson County.





Side-roll sprinkler system irrigating alfalfa in the Texas High Plains.



Solid-set sprinkler system irrigating cotton, Texas High Plains  
Photo courtesy U.S. Soil Conservation Service.



designed to provide the amount of water needed for maximum plant growth.

Water is saved with this method because the total soil area is not wetted as with sprinkler or flood irrigation. Trickle irrigation applies smaller amounts of water than conventional methods, and runoff water is nearly eliminated.

Other advantages include labor savings, increased plant vigor and yields, use of low-volume wells, and better adaptation to sandy soils. Fertilizers can be applied in the irrigation water.

Some researchers caution that there are problems associated with trickle irrigation. The development in Israel took place on deep, very sandy soils that take water rapidly and where the soil-water-plant relationships are quite different than on most Texas irrigated soils. Emitters will clog if the irrigation water is not properly filtered, there are problems in controlling emitter output, rodent damage may be a problem in some areas, and installation costs are high.

The 1979 irrigation inventory shows that 19,800 acres (8,000 ha) in Texas was being irrigated with trickle systems compared to only 4,800 acres (1,900 ha) in 1974. This is an increase of more than 300 percent in 5 years or 15,000 acres (6,100 ha). Leading crops were pecans, on 12,200 acres (4,940 ha) and citrus, 6,000 acres (2,400 ha). Other crops irrigated with trickle systems and the acreage of each in 1979 are as follows: peaches, 1,200 acres (486 ha); other orchard crops, 130 acres (53 ha); grapes, 150 acres (61 ha); and other crops, 90 acres (36 ha).

It is expected that the use of trickle irrigation will continue to increase in the future, but the increased cost of plastic pipe may slow the progress. The possible use of trickle irrigation, with its water-saving characteristics, on row crops is being researched. This would be an important development for water-short areas.

### **Conservation Irrigation Measures**

The declining ground and surface water supplies available for irrigation have convinced many people of the need for water conservation and good water management. In a properly planned and well managed irrigation system, all necessary equipment and control structures are installed, the quantity of water used for each irrigation is determined by the need of the crop (especially the stage of growth), and the water-holding capacity of the soil is determined. Water then is applied

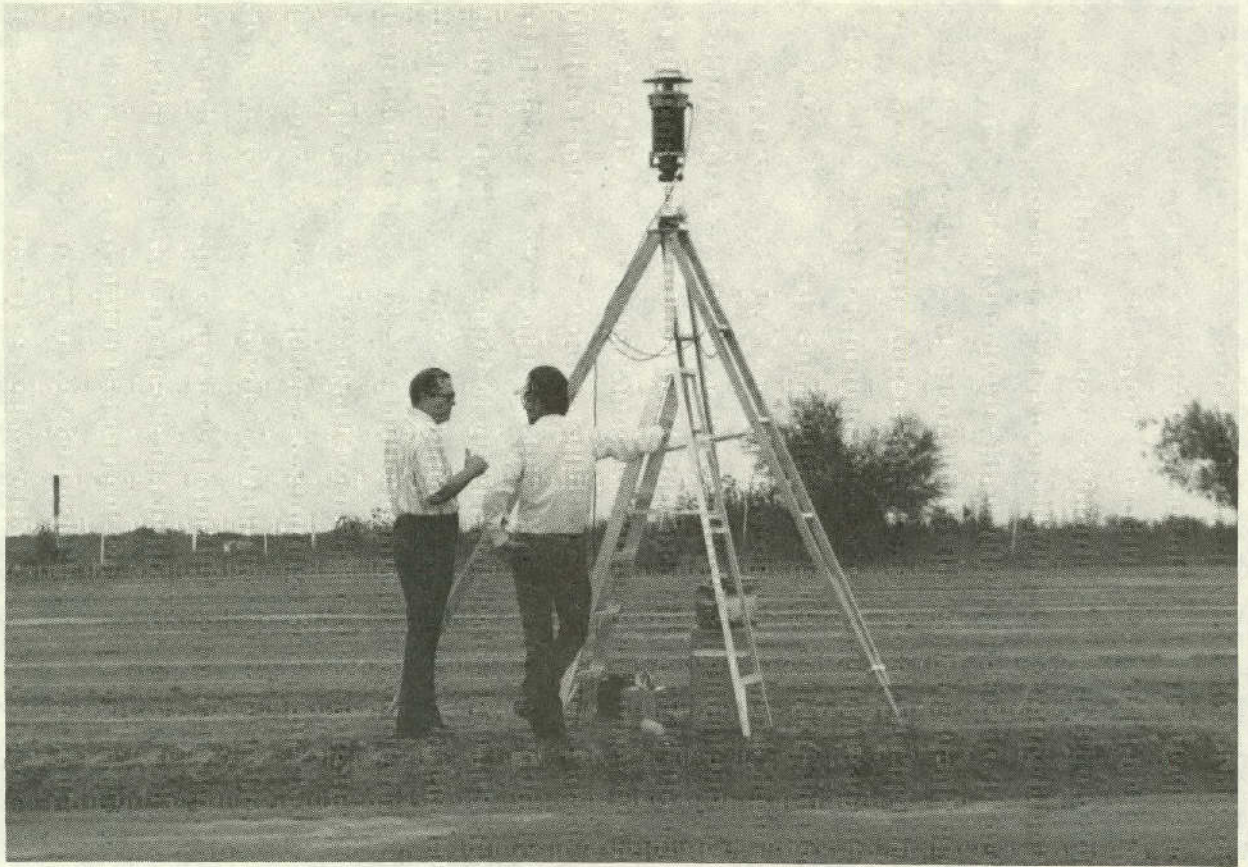
at a rate and in such a manner that the crops are able to use it efficiently and significant soil erosion does not occur.

The system design should make efficient use of irrigation water applied and rainfall. When planning the system, the peak use rates and seasonal and monthly demands of each crop must be considered in determining the irrigation water requirements. Research and experience have been the basis for using soil moisture balance studies to calculate irrigation water requirements. Research in recent times has provided data on when to irrigate and how much water to apply for maximum efficiency in irrigation water application. Following these procedures increases yields per inch of water applied, for acceptable yields with much less water. Additional activity has been in the area of assisting irrigators to evaluate the efficiency of their irrigation systems. The High Plains Underground Water Conservation District No. 1 and the U.S. Department of Agriculture—Soil Conservation Service, with assistance from the Texas Department of Water Resources, have initiated an efficiency testing program using a mobile unit called a Field Water Conservation Laboratory. This unit contains various types of measuring instruments to test irrigation system efficiency. Based on test results, Soil Conservation Service personnel provide recommendations to improve the irrigation system. This helps the irrigator use water more efficiently and also reduce the fuel cost of pumping.

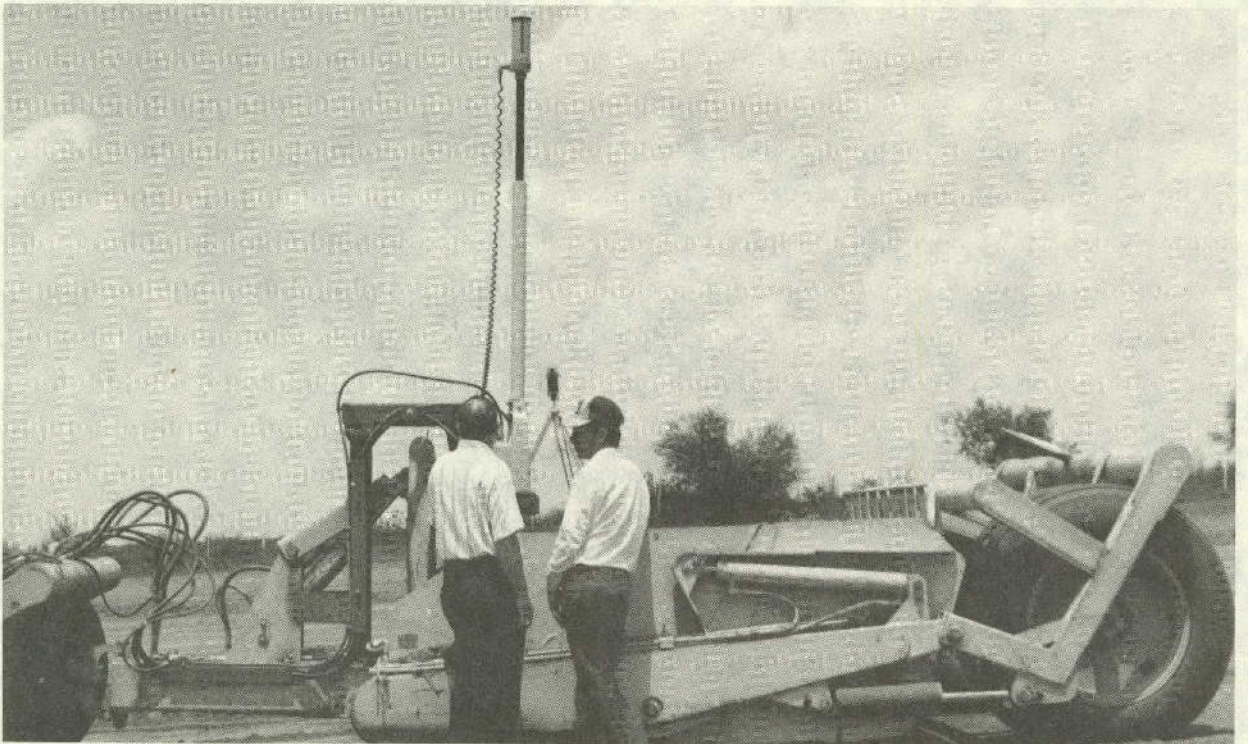
Many irrigators are installing water-saving water transmission measures which have been surveyed in the irrigation inventories. The 1979 data show 1,335 miles (2,148 km) of concrete-lined ditches serving 167,600 acres (67,800 ha) of irrigation land, and 22,303 miles (35,886 km) of underground pipelines serving 4.9 million acres (2.0 million ha) of irrigated land. Sixty-five percent of 1979 irrigated land was supplied with these kinds of water-conserving facilities. Most of these facilities are in the Lower Rio Grande Valley, Winter Garden-San Antonio area, and the High Plains.

Storage reservoirs are being built in water-short areas to hold water being pumped from weak wells in order to have sufficient water when needed for irrigation. In some areas playa lakes are being modified to concentrate the water in deep pools, thus reducing the area exposed to surface evaporation and making the maximum amount of water available for irrigation. Some systems are modified to pump back the runoff from row-irrigated land (tailwater) and thus conserve water through reuse. Some producers, as well as researchers, are using recharge wells to put playa lake water into the Ogallala aquifer.



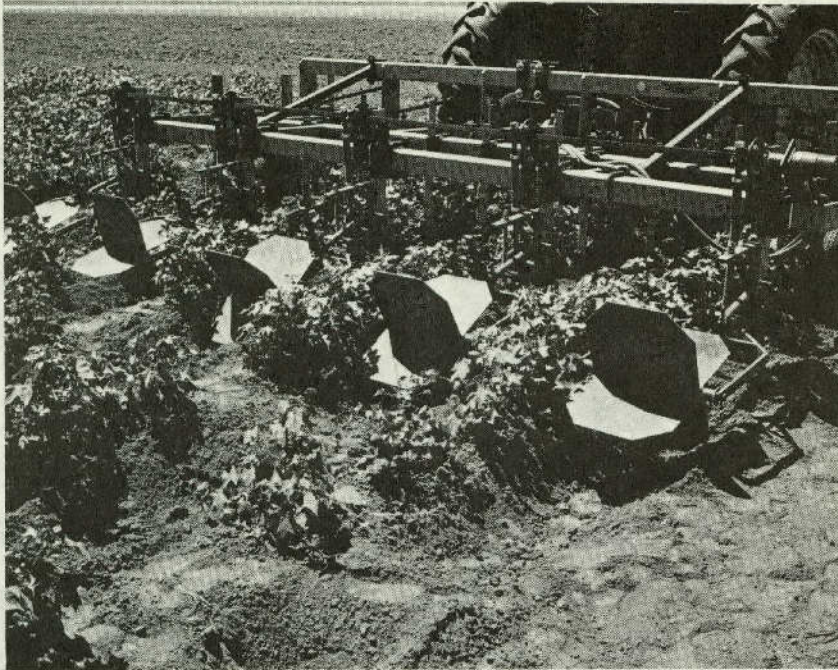


Laser beam tripod being used in precise land leveling operation in the Lower Rio Grande Valley. Photo courtesy U.S. Soil Conservation Service.

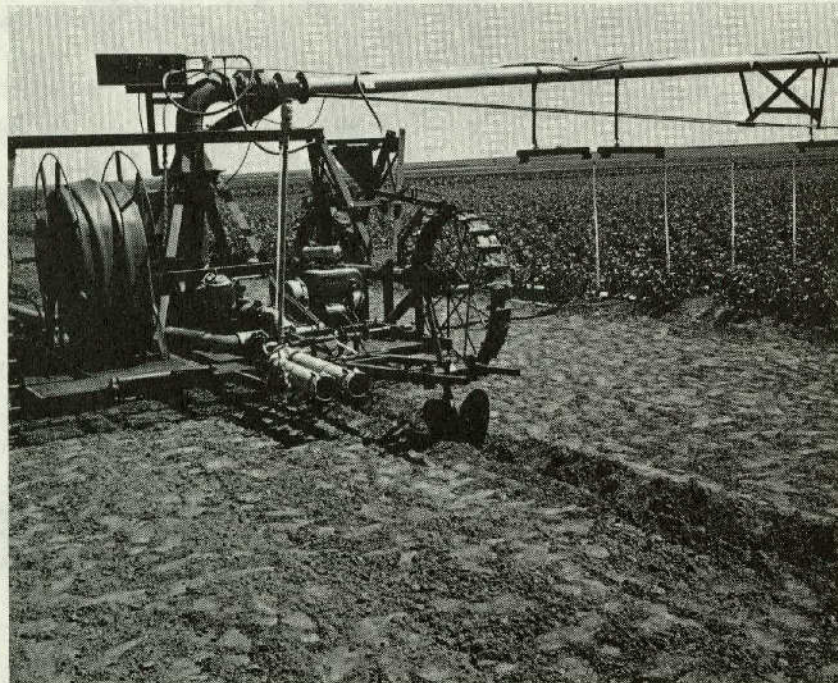


Laser beam "eye" on land leveling equipment, Lower Rio Grande Valley. Photo courtesy U.S. Soil Conservation Service.





**Basin tillage (furrow diker) is used to trap rainfall and hold it for crop use, Hale County.**



**Low energy precision application (LEPA) sprinkler system irrigating cotton, Hale County.**

There were 445 on-farm water impoundments, exclusive of playa lakes, serving 41,000 acres (16,600 ha) of irrigated land in 1979. These impoundments of surface-water supplies enable the irrigator to utilize the water when it is needed.

Basin tillage is a method of mechanically mounding dirt at intervals perpendicular to the direction

of the furrow, forming a series of small dams behind which water-impounding basins are formed. An important and primary method of improving rainfall effectiveness in crop production is to increase infiltration of rainfall on cropland, thereby storing moisture in the soil for use by plants. Basin tillage is an excellent way to accomplish this without extra land modification or additional trips through the fields.

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**TABLE 1**  
**IRRIGATION SUMMARY FOR COUNTIES,**  
**1958, 1964, 1969, 1974, AND 1979**



TABLE 1.--IRRIGATION SUMMARY FOR COUNTIES, 1958, 1964, 1969, 1974, AND 1979

COUNTY	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			IRRIGATION WELLS	SPRINKLER SYSTEMS
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE- FEET	SURFACE SOURCE- PERCENT	NUMBER	ACRES
ANDERSON	1958	1,825	967	1,275	629	350	188	200	150	75	8	840
	1964	1,124	457	424	215	280	139	420	103	74	9	282
	1969	960	324	960	324	0	0	0	0	0	0	200
	1974	1,745	743	1,035	470	160	90	550	183	80	1	720
	1979	275	67	275	67	0	0	0	0	0	1	160
ANDREWS	1958	1,200	1,699	0	0	1,200	1,699	0	0	0	14	1,200
	1964	8,000	16,393	0	0	8,000	16,393	0	0	0	85	8,000
	1969	2,389	1,198	0	0	2,389	1,198	0	0	0	104	2,389
	1974	5,353	5,278	0	0	5,353	5,278	0	0	0	80	5,353
	1979	9,207	9,132	0	0	8,957	8,882	250	250	50	85	9,207
ANGELINA	1958	61	22	61	22	0	0	0	0	0	0	61
	1964	44	13	40	12	4	1	0	0	0	0	44
	1969	46	36	40	33	4	2	2	1	60	43	34
	1974	185	462	0	0	185	462	0	0	0	0	185
	1979	225	563	0	0	225	563	0	0	0	0	225
ARANSAS	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	0	0	0	0	0	0	0	0	0	0	0
	1969	0	0	0	0	0	0	0	0	0	0	0
	1974	0	0	0	0	0	0	0	0	0	0	0
	1979	0	0	0	0	0	0	0	0	0	1	0
ARCHER	1958	500	367	500	367	0	0	0	0	0	0	0
	1964	500	791	500	791	0	0	0	0	0	0	0
	1969	795	846	795	846	0	0	0	0	0	0	165
	1974	795	846	795	846	0	0	0	0	0	0	165
	1979	200	167	200	167	0	0	0	0	0	0	0
ARMSTRONG	1958	24,845	21,509	0	0	24,845	21,509	0	0	0	162	430
	1964	27,825	43,782	0	0	27,825	43,782	0	0	0	195	250
	1969	25,518	33,968	0	0	25,518	33,968	0	0	0	212	300
	1974	26,348	30,308	0	0	26,348	30,308	0	0	0	219	330
	1979	24,370	12,837	0	0	24,370	12,837	0	0	0	225	1,660
ATASCOSA	1958	23,200	30,915	0	0	23,200	30,915	0	0	0	201	16,100
	1964	28,505	43,479	175	201	28,330	43,278	0	0	0	253	21,630
	1969	33,050	52,155	175	178	32,875	51,977	0	0	0	290	33,050
	1974	34,735	57,096	175	134	34,560	56,962	0	0	0	315	34,735
	1979	31,175	55,799	175	134	31,000	55,665	0	0	0	330	31,175



TABLE 1.--IRRIGATION SUMMARY FOR COUNTIES, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

COUNTY	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			IRRI-GATION WELLS	SPRINKLER SYSTEMS
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	SURFACE SOURCE-PERCENT	NUMBER	ACRES
AUSTIN	1958	2,958	4,055	0	0	2,958	4,055	0	0	0	23	450
	1964	4,292	7,004	199	105	3,921	6,727	172	172	50	28	612
	1969	4,697	8,236	164	107	4,533	8,129	0	0	0	33	750
	1974	3,663	10,246	0	0	3,663	10,246	0	0	0	33	0
	1979	4,050	10,017	0	0	4,050	10,017	0	0	0	33	0
BAILEY	1958	147,000	256,887	0	0	147,000	256,887	0	0	0	1,600	18,496
	1964	149,210	354,508	0	0	149,210	354,508	0	0	0	1,820	36,480
	1969	157,170	184,883	0	0	157,170	184,883	0	0	0	1,900	81,490
	1974	166,518	375,874	0	0	166,518	375,874	0	0	0	1,600	91,998
	1979	182,338	252,185	0	0	182,338	252,185	0	0	0	2,438	103,224
BANDERA	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	315	284	226	190	89	94	0	0	0	5	282
	1969	318	321	207	237	111	84	0	0	0	10	318
	1974	127	95	79	59	48	36	0	0	0	10	127
	1979	258	532	200	432	58	100	0	0	0	10	207
BASTROP	1958	1,000	1,110	935	1,065	65	45	0	0	0	2	25
	1964	2,300	2,166	2,030	1,929	270	237	0	0	0	6	1,910
	1969	3,351	2,142	2,130	1,332	633	423	580	387	20	11	2,411
	1974	3,195	3,015	2,100	1,920	515	515	580	580	29	12	2,305
	1979	25	15	25	15	0	0	0	0	0	10	0
BAYLOR	1958	3,736	3,371	0	0	3,736	3,371	0	0	0	121	467
	1964	6,256	6,092	100	53	6,156	6,039	0	0	0	155	614
	1969	7,220	6,483	700	375	6,520	6,108	0	0	0	165	2,220
	1974	7,220	5,661	700	297	6,520	5,364	0	0	0	175	2,220
	1979	1,777	794	0	0	1,777	794	0	0	0	175	532
BEE	1958	1,340	772	0	0	1,340	772	0	0	0	16	70
	1964	3,503	2,406	0	0	3,503	2,406	0	0	0	38	1,170
	1969	4,170	2,106	0	0	4,170	2,106	0	0	0	46	393
	1974	4,479	1,611	0	0	4,479	1,611	0	0	0	48	360
	1979	575	467	0	0	575	467	0	0	0	55	0
BELL	1958	1,175	887	795	594	380	293	0	0	0	3	673
	1964	1,749	1,356	1,339	1,058	410	298	0	0	0	4	1,472
	1969	1,552	958	1,372	838	30	20	150	100	70	5	1,552
	1974	2,246	1,802	2,066	1,622	30	30	150	150	60	5	2,246
	1979	775	340	735	306	40	33	0	0	0	5	775

TABLE 1.--IRRIGATION SUMMARY FOR COUNTIES, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

COUNTY	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			IRRIGATION WELLS NUMBER	SPRINKLER SYSTEMS ACRES
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE- FEET	SURFACE SOURCE-PERCENT		
BEXAR	1958	27,100	39,195	10,500	14,845	16,600	24,350	0	0	0	102	1,600
	1964	29,961	61,771	14,700	29,371	15,261	32,400	0	0	0	133	4,603
	1969	29,229	34,534	6,573	7,053	7,521	10,311	15,135	17,170	46	135	4,823
	1974	26,462	27,652	14,218	13,953	12,244	13,699	0	0	0	140	7,639
	1979	24,051	35,250	13,521	19,410	10,530	15,632	0	0	0	133	6,119
BLANCO	1958	225	232	125	126	100	106	0	0	0	3	225
	1964	375	384	185	196	190	188	0	0	0	5	345
	1969	135	131	37	48	98	83	0	0	0	5	118
	1974	207	118	47	35	160	83	0	0	0	10	207
	1979	263	197	87	76	176	121	0	0	0	13	187
BORDEN	1958	1,400	808	0	0	1,400	808	0	0	0	40	500
	1964	1,400	709	0	0	1,400	709	0	0	0	40	1,400
	1969	1,401	716	11	16	1,390	700	0	0	0	62	11
	1974	741	628	11	18	730	610	0	0	0	60	21
	1979	291	303	11	23	280	280	0	0	0	60	21
BOSQUE	1958	429	440	429	440	0	0	0	0	0	0	399
	1964	971	1,207	841	1,141	0	0	130	66	25	3	365
	1969	3,453	4,203	2,804	3,394	325	377	324	432	10	9	2,877
	1974	2,742	1,059	1,636	614	435	175	671	270	38	10	2,241
	1979	1,183	571	1,123	556	60	15	0	0	0	10	1,183
BOWIE	1958	4,858	4,315	4,045	3,346	563	344	250	625	60	13	1,550
	1964	2,886	3,902	2,098	2,095	220	103	568	1,704	20	20	738
	1969	1,612	2,495	1,034	1,519	78	26	500	950	23	19	45
	1974	1,710	3,029	1,278	1,733	432	1,296	0	0	0	19	0
	1979	2,282	6,496	1,842	5,526	440	970	0	0	0	20	140
BRAZORIA	1958	51,295	167,389	43,950	146,775	4,995	12,389	2,350	8,225	21	43	0
	1964	56,355	133,783	52,650	126,318	2,555	4,878	1,150	2,587	30	18	0
	1969	69,560	218,068	59,170	192,303	7,940	18,211	2,450	7,554	50	30	0
	1974	59,368	158,315	50,399	134,397	6,219	16,584	2,750	7,334	50	30	0
	1979	67,098	141,760	56,890	123,262	4,387	6,371	5,821	12,127	60	40	1,630
BRAZOS	1958	17,600	15,079	5,250	4,415	11,850	10,257	500	407	50	238	2,090
	1964	24,830	25,730	9,140	10,001	15,590	15,696	100	33	50	295	1,070
	1969	20,690	17,776	1,170	1,003	8,750	7,297	10,770	9,476	71	305	1,060
	1974	8,700	5,908	0	0	2,800	1,975	5,900	3,933	66	300	300
	1979	10,950	8,258	350	313	3,100	2,325	7,500	5,620	60	300	450

TABLE 1.--IRRIGATION SUMMARY FOR COUNTIES, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

COUNTY	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			IRRI-GATION WELLS	SPRINKLER SYSTEMS
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE- FEET	SURFACE SOURCE- PERCENT	NUMBER	ACRES
BREMSTER	1958	234	588	234	588	0	0	0	0	0	0	0
	1964	220	715	200	665	20	50	0	0	0	1	0
	1969	0	0	0	0	0	0	0	0	0	3	0
	1974	148	379	83	249	65	130	0	0	0	4	0
	1979	248	627	97	316	151	311	0	0	0	6	0
BRISCOE	1958	55,000	38,817	0	0	55,000	38,817	0	0	0	539	3,200
	1964	70,200	111,348	0	0	70,200	111,348	0	0	0	607	2,700
	1969	63,970	96,069	260	367	63,710	95,702	0	0	0	650	2,520
	1974	66,196	103,045	672	1,026	65,524	102,019	0	0	0	821	4,189
	1979	65,776	95,350	252	315	65,524	95,035	0	0	0	815	4,887
BROOKS	1958	690	173	0	0	690	173	0	0	0	25	690
	1964	2,270	1,675	0	0	2,270	1,675	0	0	0	22	2,270
	1969	1,970	1,025	0	0	1,970	1,025	0	0	0	30	1,970
	1974	2,619	1,632	0	0	2,619	1,632	0	0	0	38	2,619
	1979	285	123	0	0	285	123	0	0	0	27	285
BROWN	1958	3,696	1,384	3,696	1,384	0	0	0	0	0	0	0
	1964	4,997	7,247	4,997	7,247	0	0	0	0	0	0	60
	1969	10,466	25,887	9,739	24,855	727	1,032	0	0	0	25	1,322
	1974	11,016	28,104	10,289	27,072	727	1,032	0	0	0	25	1,407
	1979	7,904	5,732	7,177	5,030	727	702	0	0	0	49	1,507
BURLESON	1958	10,460	10,447	640	640	9,820	9,807	0	0	0	222	300
	1964	18,605	19,745	2,524	3,306	16,081	16,439	0	0	0	247	170
	1969	14,840	17,132	2,069	2,229	11,971	14,903	0	0	0	225	0
	1974	14,635	9,762	1,995	1,369	12,640	8,393	0	0	0	235	130
	1979	11,613	8,798	250	175	11,363	8,623	0	0	0	240	25
BURNET	1958	370	388	280	313	90	75	0	0	0	1	260
	1964	486	1,064	448	1,026	38	38	0	0	0	3	448
	1969	970	1,408	889	1,287	81	121	0	0	0	3	889
	1974	690	518	509	382	181	136	0	0	0	5	589
	1979	81	176	0	0	81	176	0	0	0	5	50
CALDWELL	1958	1,105	990	850	777	255	213	0	0	0	5	700
	1964	780	681	408	347	380	334	0	0	0	10	525
	1969	382	225	206	79	176	146	0	0	0	10	206
	1974	1,755	1,660	1,620	1,563	135	97	0	0	0	10	1,675
	1979	337	262	264	213	73	49	0	0	0	10	250

TABLE 1.--IRRIGATION SUMMARY FOR COUNTIES, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

COUNTY	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			IRRIGATION WELLS NUMBER	SPRINKLER SYSTEMS ACRES
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE- FEET	SURFACE SOURCE-PERCENT		
CALHOUN	1958	7,947	14,739	7,427	14,479	520	260	0	0	0	7	120
	1964	7,627	22,480	6,947	21,886	680	594	0	0	0	7	0
	1969	8,832	38,579	7,993	37,035	839	1,544	0	0	0	7	0
	1974	11,019	43,171	10,114	40,456	905	2,715	0	0	0	4	0
	1979	12,196	35,843	9,214	27,642	2,982	8,201	0	0	0	15	0
CALLAHAN	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	319	160	160	81	159	79	0	0	0	12	319
	1969	1,002	1,670	465	775	537	895	0	0	0	41	1,002
	1974	1,425	1,819	685	868	740	951	0	0	0	66	1,385
	1979	1,155	698	435	266	720	432	0	0	0	74	1,155
CAMERON	1958	288,823	585,132	261,840	537,091	716	1,670	18,267	46,371	59	80	3,000
	1964	282,800	366,500	274,400	355,100	400	400	8,000	11,000	70	40	200
	1969	287,445	414,528	287,445	414,528	0	0	0	0	0	40	0
	1974	287,445	392,245	287,445	392,245	0	0	0	0	0	40	0
	1979	287,445	330,067	287,445	330,067	0	0	0	0	0	0	0
CAMP	1958	2	1	2	1	0	0	0	0	0	0	2
	1964	340	117	25	12	0	0	315	105	20	1	340
	1969	287	192	137	92	50	25	100	75	70	1	287
	1974	0	0	0	0	0	0	0	0	0	0	0
	1979	0	0	0	0	0	0	0	0	0	0	0
CARSON	1958	65,400	61,065	0	0	65,400	61,065	0	0	0	206	0
	1964	104,310	149,906	0	0	104,310	149,906	0	0	0	495	0
	1969	124,725	175,800	0	0	124,725	175,800	0	0	0	565	150
	1974	130,420	184,354	0	0	130,420	184,354	0	0	0	724	350
	1979	134,850	168,365	0	0	134,050	160,365	0	0	0	788	3,790
CASS	1958	29	16	29	16	0	0	0	0	0	0	29
	1964	130	62	130	62	0	0	0	0	0	0	130
	1969	100	50	100	50	0	0	0	0	0	0	100
	1974	0	0	0	0	0	0	0	0	0	0	0
	1979	0	0	0	0	0	0	0	0	0	0	0
CASTRO	1958	401,670	354,475	0	0	401,670	354,475	0	0	0	2,600	0
	1964	406,500	634,300	0	0	406,500	634,300	0	0	0	3,150	1,000
	1969	411,500	548,634	0	0	411,500	548,634	0	0	0	3,350	480
	1974	408,948	546,160	0	0	408,948	546,160	0	0	0	3,950	4,900
	1979	368,650	411,731	0	0	368,650	411,731	0	0	0	3,950	16,150



TABLE 1.--IRRIGATION SUMMARY FOR COUNTIES, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

COUNTY	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			IRRI-GATION WELLS	SPRINKLER SYSTEMS
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	SURFACE-SOURCE-PERCENT	NUMBER	ACRES
CHAMBERS	1958	39,273	117,819	36,339	109,017	0	0	2,934	8,802	75	4	0
	1964	45,315	113,262	45,315	113,262	0	0	0	0	0	0	15
	1969	51,383	128,457	51,383	128,457	0	0	0	0	0	4	0
	1974	50,105	125,262	50,105	125,262	0	0	0	0	0	4	0
	1979	53,090	106,180	53,090	106,180	0	0	0	0	0	0	0
CHEROKEE	1958	580	152	580	152	0	0	0	0	0	0	580
	1964	668	147	580	116	80	31	0	0	0	2	660
	1969	202	121	170	87	32	34	0	0	0	6	109
	1974	123	70	18	3	40	13	65	54	50	2	118
	1979	131	152	66	22	0	0	65	130	50	1	131
CHILDRESS	1958	7,500	12,499	0	0	7,500	12,499	0	0	0	91	700
	1964	11,356	17,261	0	0	11,356	17,261	0	0	0	137	1,976
	1969	11,601	8,903	0	0	11,601	8,903	0	0	0	142	2,680
	1974	12,033	9,383	0	0	12,033	9,383	0	0	0	145	3,167
	1979	11,746	9,747	0	0	11,746	9,747	0	0	0	150	5,077
CLAY	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	155	215	20	30	135	185	0	0	0	10	155
	1969	190	330	35	70	155	260	0	0	0	8	190
	1974	345	543	175	240	170	303	0	0	0	8	345
	1979	469	317	225	156	244	162	0	0	0	10	469
COCHRAN	1958	65,600	108,784	0	0	65,600	108,784	0	0	0	1,200	46,000
	1964	88,600	125,266	0	0	88,600	125,266	0	0	0	1,375	61,100
	1969	84,600	65,312	0	0	84,600	65,312	0	0	0	1,543	77,400
	1974	104,474	85,564	0	0	104,474	85,564	0	0	0	1,586	94,806
	1979	105,195	28,095	0	0	105,195	28,095	0	0	0	1,647	104,318
FOKE	1958	173	219	141	176	32	43	0	0	0	3	0
	1964	639	931	639	931	0	0	0	0	0	2	358
	1969	718	1,306	555	1,128	163	178	0	0	0	3	323
	1974	497	766	477	746	20	20	0	0	0	5	477
	1979	316	554	88	132	228	422	0	0	0	7	316
COLEMAN	1958	350	242	350	242	0	0	0	0	0	0	190
	1964	439	830	439	830	0	0	0	0	0	0	439
	1969	1,238	1,407	1,238	1,407	0	0	0	0	0	0	1,068
	1974	2,147	2,836	2,147	2,836	0	0	0	0	0	0	1,836
	1979	2,420	3,609	2,420	3,609	0	0	0	0	0	0	2,149

TABLE 1.--IRRIGATION SUMMARY FOR COUNTIES, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

COUNTY	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			IRRI-GATION WELLS	SPRINKLER SYSTEMS
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE- FEET	SURFACE SOURCE- PERCENT	NUMBER	ACRES
COLLIN	1958	120	40	120	40	0	0	0	0	0	0	70
	1964	230	125	230	125	0	0	0	0	0	0	180
	1969	135	22	135	22	0	0	0	0	0	0	55
	1974	205	47	205	47	0	0	0	0	0	0	205
	1979	0	0	0	0	0	0	0	0	0	0	0
COLLINGSWORTH	1958	6,930	6,803	0	0	6,930	6,803	0	0	0	54	5,810
	1964	7,985	6,469	185	162	7,800	6,307	0	0	0	100	6,625
	1969	7,750	5,084	380	237	7,370	4,847	0	0	0	130	6,420
	1974	8,975	17,649	155	262	8,820	17,378	0	0	0	144	7,655
	1979	6,061	7,881	40	22	6,041	7,860	0	0	0	143	5,236
COLORADO	1958	37,284	111,422	28,370	84,877	8,214	24,445	700	2,100	54	60	700
	1964	37,485	147,647	26,276	111,800	8,792	26,936	2,417	8,911	53	86	450
	1969	42,741	175,740	28,118	125,456	14,293	49,046	330	1,238	50	115	0
	1974	47,478	178,127	28,710	114,720	13,686	45,619	5,082	17,788	20	95	0
	1979	45,685	154,254	27,746	97,111	13,257	41,926	4,682	15,217	22	105	25
COMAL	1958	362	287	80	72	282	215	0	0	0	5	293
	1964	200	203	175	191	25	12	0	0	0	4	125
	1969	323	149	0	0	323	149	0	0	0	6	147
	1974	319	192	41	20	278	172	0	0	0	6	115
	1979	422	173	18	5	404	168	0	0	0	11	316
COMANCHE	1958	1,585	1,306	580	373	1,005	933	0	0	0	32	1,525
	1964	2,595	2,407	967	1,032	1,255	840	373	535	60	83	2,575
	1969	20,026	19,552	6,486	6,186	11,856	11,744	1,684	1,622	44	1,000	19,626
	1974	21,717	18,253	8,166	6,875	12,016	10,024	1,535	1,354	49	1,050	21,317
	1979	34,841	22,631	18,181	10,136	15,495	11,621	1,165	874	50	1,100	29,218
CONCHO	1958	500	250	500	250	0	0	0	0	0	0	70
	1964	1,355	1,921	836	1,336	519	595	0	0	0	15	325
	1969	1,530	1,868	1,003	1,442	527	426	0	0	0	13	665
	1974	1,228	740	862	481	366	259	0	0	0	13	117
	1979	906	654	433	331	473	323	0	0	0	22	20
COOKE	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	288	187	132	66	156	121	0	0	0	4	256
	1969	397	217	168	84	115	47	114	86	50	9	367
	1974	379	169	168	81	131	55	80	33	60	12	349
	1979	384	120	159	60	225	60	0	0	0	7	194

TABLE 1.--IRRIGATION SUMMARY FOR COUNTIES, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

COUNTY	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			IRRI-GATION WELLS	SPRINKLER SYSTEMS
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE- FEET	SURFACE SOURCE- PERCENT	NUMBER	ACRES
CORYELL	1958	355	185	345	180	10	5	0	0	0	1	115
	1964	645	331	635	324	10	7	0	0	0	1	300
	1969	665	700	640	675	25	25	0	0	0	1	465
	1974	665	609	640	588	25	21	0	0	0	1	465
	1979	490	314	490	314	0	0	0	0	0	1	340
COTTLE	1958	11,973	18,385	0	0	11,973	18,385	0	0	0	125	9,075
	1964	13,250	13,688	0	0	13,250	13,688	0	0	0	156	10,000
	1969	5,450	5,463	0	0	5,450	5,463	0	0	0	130	2,610
	1974	6,800	4,683	0	0	6,800	4,683	0	0	0	135	2,920
	1979	1,455	1,298	0	0	1,455	1,298	0	0	0	135	963
CRANE	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	0	0	0	0	0	0	0	0	0	0	0
	1969	0	0	0	0	0	0	0	0	0	0	0
	1974	0	0	0	0	0	0	0	0	0	0	0
	1979	0	0	0	0	0	0	0	0	0	0	0
CROCKETT	1958	805	1,964	0	0	765	1,839	40	125	50	9	0
	1964	1,320	3,197	0	0	1,320	3,197	0	0	0	16	1,010
	1969	1,718	3,167	0	0	1,718	3,167	0	0	0	19	1,439
	1974	908	2,090	0	0	908	2,090	0	0	0	20	888
	1979	909	1,305	0	0	909	1,305	0	0	0	22	909
CROSBY	1958	200,000	139,148	0	0	200,000	139,148	0	0	0	1,551	5,000
	1964	168,400	188,448	0	0	168,400	188,448	0	0	0	2,050	2,120
	1969	167,350	215,809	160	170	165,990	214,106	1,200	1,533	10	2,082	3,145
	1974	164,855	232,800	20	13	163,315	230,814	1,520	1,973	50	2,105	5,690
	*1979	52,800	43,088	0	0	* 2,072	* 2,380	*50,728	*40,708	55	2,124	10,160
CULBERSON	1958	9,905	29,176	0	0	9,905	29,176	0	0	0	86	150
	1964	10,480	24,512	0	0	10,480	24,512	0	0	0	124	400
	1969	8,974	31,861	0	0	8,974	31,861	0	0	0	110	400
	1974	8,429	28,935	0	0	8,429	28,935	0	0	0	122	560
	1979	21,105	46,885	0	0	21,105	46,885	0	0	0	182	13,619
DALLAM	1958	42,225	49,874	0	0	42,225	49,874	0	0	0	271	660
	1964	76,970	120,083	0	0	76,970	120,083	0	0	0	342	9,620
	1969	128,600	160,985	0	0	128,600	160,985	0	0	0	712	49,902
	1974	155,905	243,520	0	0	155,905	243,520	0	0	0	900	93,120
	1979	220,515	323,345	0	0	220,515	323,345	0	0	0	1,200	148,950

\*In 1979, rainfall runoff in playa lakes was used as a significant source of irrigation water in Crosby County.



TABLE 1.--IRRIGATION SUMMARY FOR COUNTIES, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

COUNTY	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			IRRI-GATION WELLS	SPRINKLER SYSTEMS
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE- FEET	SURFACE SOURCE- PERCENT	NUMBER	ACRES
DALLAS	1958	1,765	977	1,765	977	0	0	0	0	0	0	1,365
	1964	1,495	563	1,045	412	0	0	450	151	70	2	1,045
	1969	240	240	165	157	75	83	0	0	0	6	75
	1974	265	248	120	118	145	130	0	0	0	8	195
	1979	0	0	0	0	0	0	0	0	0	6	0
DAWSON	1958	70,000	105,116	0	0	70,000	105,116	0	0	0	570	70,000
	1964	100,000	148,783	0	0	100,000	148,783	0	0	0	1,400	99,500
	1969	74,570	42,192	30	23	74,540	42,169	0	0	0	1,500	74,010
	1974	52,020	31,245	0	0	52,020	31,245	0	0	0	1,520	52,020
	1979	56,700	9,700	0	0	56,700	9,700	0	0	0	1,540	56,700
DEAF SMITH	1958	282,660	407,293	0	0	282,660	407,293	0	0	0	2,300	0
	1964	304,400	469,145	0	0	304,400	469,145	0	0	0	2,300	300
	1969	275,100	481,525	0	0	275,100	481,525	0	0	0	2,800	200
	1974	310,000	514,799	0	0	310,000	514,799	0	0	0	3,522	4,400
	1979	294,500	315,706	0	0	294,500	315,706	0	0	0	3,722	18,750
DELTA	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	0	0	0	0	0	0	0	0	0	0	0
	1969	0	0	0	0	0	0	0	0	0	0	0
	1974	0	0	0	0	0	0	0	0	0	0	0
	1979	0	0	0	0	0	0	0	0	0	0	0
DENTON	1958	2,165	1,325	2,165	1,325	0	0	0	0	0	0	1,165
	1964	390	290	390	290	0	0	0	0	0	0	390
	1969	410	179	310	121	100	58	0	0	0	1	410
	1974	360	154	30	8	330	146	0	0	0	6	360
	1979	470	208	30	8	440	201	0	0	0	10	470
DEWITT	1958	770	1,005	340	446	430	559	0	0	0	13	480
	1964	1,996	1,953	181	220	1,787	1,710	28	23	4	28	1,738
	1969	891	789	157	225	734	564	0	0	0	25	839
	1974	1,256	987	157	166	1,099	821	0	0	0	30	1,204
	1979	440	147	60	20	380	127	0	0	0	30	440
DICKENS	1958	10,504	10,504	0	0	10,504	10,504	0	0	0	453	420
	1964	11,994	11,994	0	0	11,994	11,994	0	0	0	472	1,925
	1969	19,047	16,916	410	385	18,337	16,281	300	250	40	550	7,390
	1974	19,137	15,288	320	267	18,817	15,021	0	0	0	550	4,240
	1979	12,957	3,279	420	112	12,537	3,167	0	0	0	550	7,220

TABLE 1.--IRRIGATION SUMMARY FOR COUNTIES, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

COUNTY	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			IRRI-GATION WELLS	SPRINKLER SYSTEMS
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	SURFACE SOURCE-PERCENT	NUMBER	ACRES
DIXIE	1958	21,100	26,213	0	0	13,950	18,303	7,150	7,910	50	362	433
	1964	19,718	28,241	0	0	12,085	14,873	7,633	13,368	38	382	790
	1969	28,289	34,862	1,002	1,440	18,423	20,785	8,864	12,637	48	65	728
	1974	23,576	33,522	315	394	14,744	18,781	8,517	14,347	45	65	2,292
	1979	14,093	21,558	6,021	9,029	5,722	9,078	2,350	3,451	20	104	698
DUNN	1958	3,460	2,156	0	0	3,460	2,156	0	0	0	20	2,110
	1964	12,600	21,187	0	0	12,600	21,187	0	0	0	150	6,720
	1969	16,679	11,786	0	0	16,679	11,786	0	0	0	235	10,617
	1974	18,663	26,020	0	0	18,663	26,020	0	0	0	244	11,992
	1979	17,128	8,379	0	0	17,128	8,379	0	0	0	170	11,166
DUVAL	1958	305	142	0	0	305	142	0	0	0	4	305
	1964	1,014	958	0	0	1,014	958	0	0	0	7	1,014
	1969	4,111	2,369	20	10	4,091	2,359	0	0	0	32	4,111
	1974	3,845	2,909	0	0	3,845	2,909	0	0	0	33	3,845
	1979	4,752	2,208	0	0	4,752	2,208	0	0	0	51	4,432
EASTLAND	1958	265	163	31	16	234	147	0	0	0	13	265
	1964	970	831	218	97	700	709	60	25	10	33	978
	1969	10,045	10,007	1,240	1,308	6,927	6,838	1,878	1,861	40	600	10,045
	1974	10,386	10,459	1,330	1,403	7,178	7,178	1,878	1,878	39	650	10,386
	1979	12,051	13,088	1,905	2,096	8,130	8,808	2,016	2,184	38	665	12,051
ECTOR	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	2,200	5,712	0	0	2,200	5,712	0	0	0	200	2,200
	1969	4,100	3,708	0	0	3,500	2,716	600	992	90	300	4,100
	1974	2,980	3,607	0	0	2,640	3,308	340	299	90	500	2,980
	1979	3,280	3,693	0	0	2,910	3,374	370	319	90	600	3,280
EDWARDS	1958	277	210	277	210	0	0	0	0	0	0	277
	1964	325	326	325	326	0	0	0	0	0	0	315
	1969	310	248	310	248	0	0	0	0	0	0	265
	1974	375	315	225	207	150	108	0	0	0	3	275
	1979	325	282	175	173	150	108	0	0	0	3	225
ELLIS	1958	270	136	235	118	35	18	0	0	0	1	35
	1964	0	0	0	0	0	0	0	0	0	1	0
	1969	58	28	58	28	0	0	0	0	0	5	58
	1974	0	0	0	0	0	0	0	0	0	5	0
	1979	0	0	0	0	0	0	0	0	0	5	0

TABLE 1.--IRRIGATION SUMMARY FOR COUNTIES, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

COUNTY	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			IRRI-GATION WELLS	SPRINKLER SYSTEMS
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE- FEET	SURFACE SOURCE-PERCENT	NUMBER	ACRES
EL PASO	1958	55,551	197,002	0	0	976	4,681	54,575	188,321	95	547	0
	1964	55,000	140,661	0	0	1,600	4,828	53,400	135,853	15	550	10
	1969	57,919	206,014	0	0	1,193	4,685	56,726	201,329	99	593	300
	1974	56,375	179,310	0	0	1,180	4,055	55,195	175,255	99	601	448
	1979	53,810	165,075	0	0	510	1,760	53,300	163,315	99	590	90
FRATP	1958	1,984	2,293	576	538	1,408	1,755	0	0	0	45	1,962
	1964	3,174	2,908	1,077	1,145	1,879	1,542	218	221	29	46	3,174
	1969	6,453	6,831	1,680	1,971	4,295	4,346	478	514	61	221	6,453
	1974	12,524	12,861	2,846	2,340	8,457	9,509	1,221	1,012	49	218	12,509
	1979	12,524	11,987	2,782	2,738	8,497	8,067	1,245	1,182	48	218	12,509
FALLS	1958	5,525	4,574	1,000	929	3,995	3,198	530	447	95	100	995
	1964	6,413	8,250	1,710	1,712	4,173	6,278	530	660	95	108	1,170
	1969	7,606	6,906	2,465	2,144	5,141	4,762	0	0	0	107	3,006
	1974	7,606	6,970	2,465	2,129	5,141	4,841	0	0	0	107	3,006
	1979	3,946	2,649	0	0	3,946	2,649	0	0	0	104	496
FANNIN	1958	1,445	961	1,295	860	90	61	60	40	50	7	1,295
	1964	1,780	1,638	1,070	1,093	390	311	320	234	50	14	1,680
	1969	1,245	811	812	559	220	110	213	142	25	10	1,023
	1974	935	335	470	172	270	98	195	65	25	12	735
	1979	3,148	787	3,148	787	0	0	0	0	0	18	3,148
FAYETTE	1958	1,160	2,980	980	2,705	150	208	50	67	50	6	580
	1964	1,716	1,910	1,261	1,315	365	430	90	165	2	12	1,433
	1969	1,613	1,281	1,166	900	230	205	217	176	20	21	1,477
	1974	615	301	298	139	172	90	145	72	14	25	615
	1979	2,229	925	1,075	398	1,009	455	145	73	13	28	2,084
FISHER	1958	2,350	1,958	0	0	2,350	1,958	0	0	0	76	0
	1964	4,140	7,777	0	0	4,140	7,777	0	0	0	144	3,640
	1969	3,080	2,675	795	552	2,070	1,825	215	298	54	160	1,330
	1974	3,305	2,767	815	384	1,880	1,851	610	527	54	170	1,370
	1979	2,715	2,519	240	167	1,865	1,826	610	527	55	170	1,330
FLOYD	1958	300,250	188,592	0	0	300,250	188,592	0	0	0	2,500	0
	1964	321,910	256,026	0	0	321,910	256,026	0	0	0	3,500	320
	1969	315,000	317,646	0	0	315,000	317,646	0	0	0	3,950	350
	1974	306,320	287,400	0	0	306,320	287,400	0	0	0	4,100	900
	1979	277,295	176,968	0	0	277,295	176,968	0	0	0	4,394	4,002



TABLE 1.--IRRIGATION SUMMARY FOR COUNTIES, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

COUNTY	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			IRRI-GATION WELLS	SPRINKLER SYSTEMS
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE- FEET	SURFACE SOURCE- PERCENT	NUMBER	ACRES
FOARD	1958	1,581	2,685	0	0	1,581	2,685	0	0	0	66	1,581
	1964	2,089	2,160	0	0	2,089	2,160	0	0	0	88	2,089
	1969	2,300	2,687	0	0	2,300	2,687	0	0	0	95	2,300
	1974	2,980	3,533	0	0	2,980	3,533	0	0	0	52	2,980
	1979	4,820	5,300	0	0	4,820	5,300	0	0	0	84	4,820
FORT BEND	1958	27,362	65,193	7,022	20,249	19,140	44,194	1,200	750	60	74	600
	1964	26,713	51,075	7,483	16,910	18,030	33,148	1,200	1,017	60	79	100
	1969	33,540	85,869	8,800	24,483	24,740	61,386	0	0	0	110	450
	1974	27,150	68,491	7,650	21,908	19,500	46,583	0	0	0	120	450
	1979	26,627	55,254	6,856	17,140	19,771	38,114	0	0	0	120	1,070
FRANKLIN	1958	40	20	40	20	0	0	0	0	0	0	40
	1964	0	0	0	0	0	0	0	0	0	0	0
	1969	35	9	20	7	15	2	0	0	0	1	35
	1974	0	0	0	0	0	0	0	0	0	1	0
	1979	250	63	250	63	0	0	0	0	0	0	0
FREESTONE	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	0	0	0	0	0	0	0	0	0	0	0
	1969	0	0	0	0	0	0	0	0	0	0	0
	1974	0	0	0	0	0	0	0	0	0	0	0
	1979	0	0	0	0	0	0	0	0	0	0	0
FRIO	1958	24,200	30,373	0	0	24,200	30,373	0	0	0	135	18,650
	1964	44,595	56,300	0	0	44,595	56,300	0	0	0	217	35,977
	1969	54,474	74,327	40	27	54,434	74,300	0	0	0	280	43,864
	1974	61,484	72,794	40	27	61,444	72,767	0	0	0	295	53,394
	1979	69,404	76,685	40	27	67,589	75,583	775	1,075	60	305	60,234
FAINES	1958	108,000	153,467	0	0	108,000	153,467	0	0	0	900	101,000
	1964	225,000	285,084	0	0	225,000	285,084	0	0	0	1,600	205,000
	1969	319,920	146,885	0	0	319,820	146,835	100	50	50	2,300	313,920
	1974	350,500	310,826	0	0	350,500	310,826	0	0	0	2,850	350,500
	1979	359,670	413,032	0	0	359,670	413,032	0	0	0	3,300	359,670
GALVESTON	1958	10,850	37,975	10,850	37,975	0	0	0	0	0	2	0
	1964	12,200	29,848	11,990	29,735	210	113	0	0	0	5	150
	1969	6,571	19,762	6,121	19,383	450	379	0	0	0	6	0
	1974	6,850	17,508	6,500	17,333	350	175	0	0	0	2	0
	1979	11,143	24,009	11,073	23,992	70	18	0	0	0	2	0

TABLE 1.--IRRIGATION SUMMARY FOR COUNTIES, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

COUNTY	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			IRRIGATION WELLS NUMBER	SPRINKLER SYSTEMS ACRES
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE- FEET	SURFACE SOURCE- PERCENT		
GARZA	1958	14,000	15,000	0	0	14,000	15,000	0	0	0	540	0
	1964	14,843	18,014	0	0	14,843	18,014	0	0	0	580	100
	1969	15,513	16,484	90	94	15,423	16,390	0	0	0	300	784
	1974	12,000	15,667	0	0	12,000	15,667	0	0	0	275	580
	1979	11,900	11,894	0	0	11,900	11,894	0	0	0	600	480
GILLESPIE	1958	1,500	1,500	1,150	1,150	350	350	0	0	0	9	1,500
	1964	1,544	1,812	1,064	1,216	480	596	0	0	0	19	1,544
	1969	1,360	1,359	1,002	1,019	358	340	0	0	0	20	1,360
	1974	1,721	832	981	461	740	371	0	0	0	30	1,721
	1979	1,176	1,434	356	529	820	904	0	0	0	36	796
GLASSCOCK	1958	10,800	11,597	0	0	10,800	11,597	0	0	0	94	1,850
	1964	17,540	24,577	0	0	17,540	24,577	0	0	0	327	3,047
	1969	23,139	34,185	0	0	23,139	34,185	0	0	0	468	4,159
	1974	28,186	55,103	0	0	28,186	55,103	0	0	0	873	4,793
	1979	33,614	38,956	0	0	33,614	38,956	0	0	0	950	1,834
COLIAD	1958	1,810	451	1,365	342	315	80	130	29	50	5	767
	1964	3,408	2,905	2,125	1,826	1,043	873	240	206	50	7	1,808
	1969	2,695	1,276	2,153	1,076	542	200	0	0	0	9	542
	1974	2,031	955	1,552	776	479	179	0	0	0	9	379
	1979	0	0	0	0	0	0	0	0	0	9	0
GONZALES	1958	2,489	2,379	2,107	2,103	382	276	0	0	0	7	1,912
	1964	2,378	2,588	1,090	1,196	1,288	1,392	0	0	0	19	1,833
	1969	2,839	2,623	1,145	972	1,683	1,641	11	10	50	25	2,328
	1974	2,330	2,107	560	527	1,720	1,538	50	42	50	35	2,150
	1979	2,060	645	660	187	1,350	442	50	17	50	37	1,880
GRAY	1958	8,880	8,356	0	0	8,880	8,356	0	0	0	49	620
	1964	16,790	22,869	0	0	16,010	21,654	780	1,215	35	119	1,630
	1969	29,252	39,190	0	0	29,252	39,190	0	0	0	198	3,116
	1974	33,559	45,719	0	0	33,559	45,719	0	0	0	222	3,454
	1979	31,683	27,546	0	0	31,683	27,546	0	0	0	226	7,164
GRAYSON	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	727	482	345	234	382	248	0	0	0	10	727
	1969	749	580	176	137	365	279	208	164	75	21	616
	1974	1,973	1,741	709	630	1,056	938	208	173	75	24	1,973
	1979	2,427	1,149	560	227	1,476	727	391	196	50	26	2,377

TABLE 1.--IRRIGATION SUMMARY FOR COUNTIES, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

COUNTY	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			IRRI-GATION WELLS	SPRINKLER SYSTEMS
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE- FEET	SURFACE SOURCE- PERCENT	NUMBER	ACRES
GREGG	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	10	7	10	7	0	0	0	0	0	0	10
	1969	10	3	10	3	0	0	0	0	0	0	10
	1974	0	0	0	0	0	0	0	0	0	0	0
	1979	0	0	0	0	0	0	0	0	0	0	0
GRIMES	1958	774	740	375	375	399	365	0	0	0	5	449
	1964	1,219	855	804	594	415	261	0	0	0	6	819
	1969	1,325	1,012	775	612	550	400	0	0	0	8	625
	1974	220	115	0	0	220	115	0	0	0	28	220
	1979	580	145	0	0	580	145	0	0	0	28	580
GUADALUPE	1958	2,049	2,142	868	750	1,181	1,392	0	0	0	24	1,351
	1964	2,336	2,237	910	818	1,426	1,419	0	0	0	33	1,827
	1969	2,359	1,796	1,042	825	1,317	971	0	0	0	41	1,864
	1974	3,599	2,725	2,187	1,645	1,412	1,080	0	0	0	50	3,039
	1979	4,302	2,343	2,393	1,013	1,909	1,330	0	0	0	53	3,531
HALE	1958	533,455	575,752	0	0	533,455	575,752	0	0	0	4,500	1,490
	1964	461,800	1,105,616	0	0	461,800	1,105,616	0	0	0	4,378	8,000
	1969	352,520	680,167	0	0	352,520	680,167	0	0	0	4,400	13,000
	1974	431,495	826,357	0	0	430,595	824,614	900	1,743	20	4,600	18,000
	*1979	386,891	356,949	0	0	*0	*0	*386,891	*356,949	25	4,463	28,000
HALL	1958	8,827	12,079	0	0	8,827	12,079	0	0	0	120	8,177
	1964	19,729	26,647	0	0	19,729	26,647	0	0	0	187	19,029
	1969	22,271	23,171	0	0	22,271	23,171	0	0	0	212	21,611
	1974	28,018	25,213	0	0	28,018	25,213	0	0	0	235	27,238
	1979	23,401	17,712	0	0	23,401	17,712	0	0	0	235	23,191
HAMILTON	1958	900	485	545	293	20	9	335	183	58	9	735
	1964	1,705	693	415	168	0	0	1,290	525	71	14	1,255
	1969	1,925	1,882	1,390	1,380	265	247	270	255	56	20	1,720
	1974	2,775	1,710	2,140	1,303	365	229	270	178	56	20	2,570
	1979	550	290	270	150	190	95	90	45	50	15	550
HANSFORD	1958	69,150	80,717	0	0	69,150	80,717	0	0	0	231	0
	1964	164,000	197,062	0	0	164,000	197,062	0	0	0	652	400
	1969	239,450	357,867	0	0	239,450	357,867	0	0	0	1,000	1,280
	1974	252,450	409,471	0	0	251,810	408,831	640	640	20	1,160	1,320
	1979	251,750	390,678	0	0	251,110	390,038	640	640	20	1,150	4,776

\*In 1979, rainfall runoff in playa lakes was used as a significant source of irrigation water in Hale County.



TABLE 1.--IRRIGATION SUMMARY FOR COUNTIES, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

COUNTY	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			IRRIGATION WELLS NUMBER	SPRINKLER SYSTEMS ACRES
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE- FEET	SURFACE SOURCE-PERCENT		
HARDEN	1958	18,000	12,000	0	0	18,000	12,000	0	0	0	300	750
	1964	15,110	22,932	0	0	15,110	22,932	0	0	0	280	1,290
	1969	15,150	20,158	130	238	15,020	19,920	0	0	0	285	3,340
	1974	15,200	17,411	130	173	15,070	17,238	0	0	0	286	3,440
	1979	4,380	1,418	180	60	4,200	1,358	0	0	0	295	890
HARDIN	1958	1,300	2,167	0	0	1,300	2,167	0	0	0	15	0
	1964	1,218	2,436	0	0	1,218	2,436	0	0	0	6	0
	1969	2,360	4,720	0	0	2,360	4,720	0	0	0	18	0
	1974	2,473	5,770	0	0	2,473	5,770	0	0	0	20	0
	1979	1,731	3,174	0	0	1,731	3,174	0	0	0	23	0
HARRIS	1958	35,350	103,633	4,000	12,000	31,350	91,633	0	0	0	320	150
	1964	38,050	85,410	3,650	9,065	34,400	76,345	0	0	0	336	0
	1969	36,619	121,527	4,339	14,824	32,280	106,703	0	0	0	200	448
	1974	31,932	90,941	2,800	8,400	29,132	82,541	0	0	0	190	0
	1979	22,844	49,933	1,977	4,943	18,867	44,990	1,914	4,966	50	140	405
HARRISON	1958	65	21	5	1	60	20	0	0	0	7	62
	1964	205	110	165	90	40	20	0	0	0	6	205
	1969	60	47	54	45	6	2	0	0	0	7	60
	1974	60	47	54	45	6	2	0	0	0	7	60
	1979	5	3	0	0	5	3	0	0	0	7	5
HARTLEY	1958	18,330	19,822	0	0	18,330	19,822	0	0	0	75	0
	1964	47,365	75,312	0	0	47,365	75,312	0	0	0	170	5,620
	1969	121,990	146,467	0	0	121,990	146,467	0	0	0	501	12,455
	1974	140,000	187,972	0	0	140,000	187,972	0	0	0	850	35,300
	1979	200,000	251,417	0	0	200,000	251,417	0	0	0	864	65,000
HASKELL	1958	15,755	29,533	0	0	15,755	29,533	0	0	0	528	5,050
	1964	48,310	66,247	90	155	48,200	66,075	20	17	20	984	28,650
	1969	37,410	38,070	420	374	36,990	37,696	0	0	0	980	30,631
	1974	33,915	41,714	40	60	33,860	41,639	15	15	50	980	18,680
	1979	34,020	38,288	340	275	33,680	38,013	0	0	0	910	18,600
HAYS	1958	1,526	2,063	861	1,197	665	866	0	0	0	10	1,301
	1964	2,187	2,457	1,011	1,132	1,176	1,325	0	0	0	16	1,692
	1969	2,367	2,724	779	837	1,588	1,887	0	0	0	16	2,049
	1974	1,719	1,725	842	822	877	903	0	0	0	16	1,550
	1979	891	572	682	455	209	118	0	0	0	10	603

TABLE 1.--IRRIGATION SUMMARY FOR COUNTIES, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

COUNTY	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			IRRI-GATION WELLS	SPRINKLER SYSTEMS
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	SURFACE SOURCE-PERCENT	NUMBER	ACRES
HEMPHILL	1958	180	206	0	0	180	206	0	0	0	6	180
	1964	1,249	1,693	0	0	1,249	1,693	0	0	0	19	1,169
	1969	1,921	2,506	0	0	1,921	2,506	0	0	0	31	1,741
	1974	3,678	5,180	0	0	3,478	4,997	200	183	20	38	3,498
	1979	4,357	6,899	0	0	4,117	6,675	240	224	40	59	4,357
HENDERSON	1958	1,695	1,348	1,625	1,287	70	61	0	0	0	2	1,695
	1964	685	661	375	351	50	50	260	260	33	6	685
	1969	1,032	342	872	290	160	52	0	0	0	5	1,032
	1974	0	0	0	0	0	0	0	0	0	7	0
	1979	210	35	0	0	210	35	0	0	0	7	0
HIDALGO	1958	419,900	596,999	354,000	492,449	5,800	9,919	60,100	94,631	65	359	5,100
	1964	466,471	507,170	354,571	344,653	2,500	3,000	109,400	159,517	50	540	8,400
	1969	450,292	608,865	365,292	502,865	5,000	6,000	80,000	100,000	75	400	6,200
	1974	443,650	602,650	378,650	513,317	5,800	6,333	60,000	83,000	85	300	6,000
	1979	438,650	552,175	372,650	472,425	6,000	6,750	60,000	73,000	95	100	10,000
HILL	1958	200	170	200	170	0	0	0	0	0	0	200
	1964	455	421	350	368	105	53	0	0	0	16	390
	1969	1,120	808	540	450	580	358	0	0	0	15	1,120
	1974	1,140	562	580	324	560	238	0	0	0	15	1,140
	1979	800	101	390	33	410	68	0	0	0	15	800
HOCKLEY	1958	160,000	165,014	0	0	160,000	165,014	0	0	0	4,700	8,000
	1964	194,400	397,983	0	0	194,400	397,983	0	0	0	5,088	49,000
	1969	194,225	214,696	0	0	194,225	214,696	0	0	0	5,835	62,840
	1974	223,406	345,502	0	0	223,406	345,502	0	0	0	6,009	85,585
	1979	108,500	45,017	0	0	108,500	45,017	0	0	0	6,165	91,964
HOOD	1958	1,250	976	1,150	893	5	3	95	80	69	6	1,050
	1964	900	853	900	853	0	0	0	0	0	1	400
	1969	1,345	795	1,295	762	0	0	50	33	10	1	910
	1974	1,000	500	960	480	40	20	0	0	0	2	860
	1979	3,748	1,874	3,452	1,726	185	93	111	56	50	4	3,488
HOPKINS	1958	170	81	95	29	25	10	50	42	4	3	170
	1964	155	101	65	33	40	30	50	38	4	2	155
	1969	127	72	127	72	0	0	0	0	0	2	127
	1974	0	0	0	0	0	0	0	0	0	0	0
	1979	0	0	0	0	0	0	0	0	0	0	0

TABLE 1.--IRRIGATION SUMMARY FOR COUNTIES, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

COUNTY	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			IRRIGATION WELLS NUMBER	SPRINKLER SYSTEMS ACRES
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE- FEET	SURFACE SOURCE-PERCENT		
HOUSTON	1958	5,100	2,449	4,550	2,174	250	125	300	150	50	3	3,075
	1964	2,588	1,228	2,488	1,178	0	0	100	50	25	3	1,798
	1969	4,520	2,062	4,420	2,012	0	0	100	50	25	3	3,060
	1974	4,340	1,887	3,010	1,378	0	0	1,330	509	43	6	4,280
	1979	77	19	77	19	0	0	0	0	0	6	77
HOWARD	1958	1,000	1,533	0	0	1,000	1,533	0	0	0	25	1,000
	1964	1,200	2,167	0	0	1,200	2,167	0	0	0	45	1,000
	1969	1,966	1,379	96	124	1,870	1,255	0	0	0	50	1,266
	1974	2,446	2,504	96	144	2,350	2,360	0	0	0	60	1,746
	1979	791	856	16	24	775	832	0	0	0	60	781
HUDSPETH	1958	27,844	93,327	0	0	20,700	70,992	7,144	22,335	33	219	1,000
	1964	40,670	114,969	0	0	30,970	98,760	9,700	16,209	12	271	840
	1969	35,927	137,899	100	250	21,954	89,551	13,873	48,098	95	307	40
	1974	45,472	172,741	150	250	33,452	135,905	11,870	36,586	95	332	1,600
	1979	50,591	176,609	0	0	40,081	148,744	10,510	27,866	95	335	2,730
HUNT	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	197	147	173	135	24	12	0	0	0	2	197
	1969	0	0	0	0	0	0	0	0	0	1	0
	1974	15	7	15	7	0	0	0	0	0	1	15
	1979	155	103	155	103	0	0	0	0	0	0	155
HUTCHINSON	1958	35,010	43,495	0	0	35,010	43,495	0	0	0	97	0
	1964	40,780	53,175	0	0	40,780	53,175	0	0	0	202	200
	1969	62,000	78,200	0	0	62,000	78,200	0	0	0	275	630
	1974	69,954	87,558	0	0	69,954	87,558	0	0	0	325	1,280
	1979	80,389	102,539	0	0	80,389	102,539	0	0	0	375	1,100
TRION	1958	1,550	2,457	1,135	1,900	400	522	15	35	73	4	60
	1964	2,130	3,526	1,835	3,073	236	385	59	68	32	10	78
	1969	2,292	3,325	1,674	2,318	559	894	59	113	40	13	184
	1974	2,427	2,479	1,973	1,938	404	516	50	25	50	15	247
	1979	1,973	3,348	1,556	2,882	417	466	0	0	0	14	586
JACK	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	0	0	0	0	0	0	0	0	0	0	0
	1969	0	0	0	0	0	0	0	0	0	0	0
	1974	0	0	0	0	0	0	0	0	0	0	0
	1979	0	0	0	0	0	0	0	0	0	0	0



TABLE 1.--IRRIGATION SUMMARY FOR COUNTIES, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

COUNTY	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			IRRIGATION WELLS NUMBER	SPRINKLER SYSTEMS ACRES
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE- FEET	SURFACE SOURCE- PERCENT		
JACKSON	1958	28,165	97,808	0	0	26,245	91,858	1,920	5,950	26	160	102
	1964	28,481	89,327	85	42	26,797	84,221	1,599	5,064	29	410	105
	1969	33,750	116,417	0	0	33,096	114,128	654	2,289	63	535	0
	1974	41,784	125,506	563	1,782	40,856	122,568	365	1,156	50	585	0
	1979	41,489	131,382	0	0	38,209	120,995	3,280	10,387	27	605	176
JASPER	1958	180	168	50	33	80	120	50	15	90	3	100
	1964	87	159	10	5	77	154	0	0	0	2	10
	1969	100	67	100	67	0	0	0	0	0	2	100
	1974	120	40	120	40	0	0	0	0	0	0	120
	1979	135	120	35	70	0	0	100	50	25	2	135
JEFF DAVIS	1958	1,370	3,509	0	0	990	2,809	380	700	50	26	0
	1964	1,310	2,895	0	0	910	2,190	400	705	50	26	0
	1969	846	2,235	0	0	729	1,901	117	334	50	0	0
	1974	320	792	10	17	240	608	70	167	50	14	0
	1979	9,433	12,328	0	0	9,433	12,328	0	0	0	36	8,615
JEFFERSON	1958	54,100	162,300	54,100	162,300	0	0	0	0	0	0	0
	1964	60,485	151,212	60,485	151,212	0	0	0	0	0	0	0
	1969	70,970	177,425	70,970	177,425	0	0	0	0	0	0	0
	1974	69,470	173,675	69,470	173,675	0	0	0	0	0	0	0
	1979	64,172	106,953	64,172	106,953	0	0	0	0	0	0	0
JIM HOGG	1958	290	328	0	0	290	328	0	0	0	5	240
	1964	1,050	1,195	0	0	1,050	1,195	0	0	0	10	1,030
	1969	2,400	1,541	0	0	2,400	1,541	0	0	0	18	2,400
	1974	385	129	0	0	385	129	0	0	0	16	385
	1979	0	0	0	0	0	0	0	0	0	10	0
JIM WELLS	1958	2,920	1,014	760	356	1,860	433	300	225	50	28	2,920
	1964	3,141	1,696	768	378	2,073	1,093	300	225	50	38	2,171
	1969	6,385	2,807	80	40	4,805	2,142	1,500	625	50	32	4,885
	1974	6,335	2,961	140	47	6,195	2,914	0	0	0	40	4,475
	1979	6,635	2,931	0	0	6,635	2,931	0	0	0	40	4,855
JOHNSON	1958	250	103	250	103	0	0	0	0	0	0	190
	1964	130	60	130	60	0	0	0	0	0	0	130
	1969	363	217	183	67	180	150	0	0	0	3	363
	1974	0	0	0	0	0	0	0	0	0	3	0
	1979	50	13	0	0	50	13	0	0	0	3	0

TABLE 1.--IRRIGATION SUMMARY FOR COUNTIES, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

COUNTY	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			IRRI-GATION WELLS	SPRINKLER SYSTEMS
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE- FEET	SURFACE SOURCE-PERCENT	NUMBER	ACRES
JONES	1958	2,350	1,829	1,200	1,150	1,150	679	0	0	0	40	300
	1964	5,534	6,776	3,370	4,211	2,164	2,565	0	0	0	58	5,384
	1969	6,200	4,076	2,350	1,533	3,850	2,543	0	0	0	80	2,530
	1974	6,005	4,263	1,280	854	4,005	2,995	720	414	74	160	3,505
	1979	8,970	5,562	4,315	2,142	3,970	3,023	685	397	76	160	3,510
KARNES	1958	936	528	140	77	796	451	0	0	0	10	856
	1964	1,492	2,178	182	254	1,310	1,924	0	0	0	13	1,310
	1969	1,451	1,098	558	253	893	845	0	0	0	12	1,326
	1974	1,493	4,663	655	1,986	838	2,677	0	0	0	11	1,193
	1979	582	1,220	32	10	550	1,210	0	0	0	11	582
KAUFMAN	1958	90	20	90	20	0	0	0	0	0	0	30
	1964	510	208	510	208	0	0	0	0	0	0	490
	1969	155	94	155	94	0	0	0	0	0	0	155
	1974	100	42	100	42	0	0	0	0	0	0	100
	1979	0	0	0	0	0	0	0	0	0	0	0
KENDALL	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	315	250	198	171	117	79	0	0	0	6	307
	1969	571	514	320	267	251	247	0	0	0	11	571
	1974	734	517	437	300	297	217	0	0	0	11	734
	1979	84	100	15	23	69	78	0	0	0	12	50
KENEDY	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	0	0	0	0	0	0	0	0	0	0	0
	1969	400	200	400	200	0	0	0	0	0	0	400
	1974	400	192	400	192	0	0	0	0	0	0	400
	1979	400	158	400	158	0	0	0	0	0	0	400
KENT	1958	1,800	1,800	0	0	1,800	1,800	0	0	0	45	1,000
	1964	1,400	1,867	0	0	1,400	1,867	0	0	0	50	1,000
	1969	2,260	2,589	0	0	2,260	2,589	0	0	0	54	2,260
	1974	2,070	2,080	0	0	2,070	2,080	0	0	0	65	1,775
	1979	794	845	0	0	794	845	0	0	0	60	624
MERR	1958	705	927	408	562	297	428	0	0	0	12	629
	1964	977	1,576	614	968	363	608	0	0	0	10	827
	1969	1,495	1,650	865	981	630	669	0	0	0	14	1,266
	1974	596	406	470	311	126	95	0	0	0	14	500
	1979	921	1,294	670	541	251	753	0	0	0	14	850

TABLE 1.--IRRIGATION SUMMARY FOR COUNTIES, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

COUNTY	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			IRRI-GATION WELLS	SPRINKLER SYSTEMS
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	SURFACE SOURCE-PERCENT	NUMBER	ACRES
KIMBLE	1958	1,252	850	1,252	850	0	0	0	0	0	0	920
	1964	1,935	4,992	1,791	4,532	74	210	70	250	50	3	1,459
	1969	2,766	4,494	2,195	3,221	331	615	240	658	50	13	1,831
	1974	3,617	4,619	2,885	2,961	492	1,032	240	626	50	20	2,625
	1979	1,012	513	880	430	132	83	0	0	0	20	648
KING	1958	620	1,033	0	0	620	1,033	0	0	0	9	0
	1964	1,030	1,583	200	200	830	1,383	0	0	0	15	180
	1969	670	337	100	17	570	320	0	0	0	14	350
	1974	1,090	556	100	33	990	523	0	0	0	15	630
	1979	457	280	150	100	307	180	0	0	0	15	207
KINNEY	1958	2,335	3,173	600	692	1,535	2,301	200	180	30	14	0
	1964	5,900	11,147	600	1,000	5,300	10,147	0	0	0	36	0
	1969	8,986	16,658	2,550	4,325	6,436	12,333	0	0	0	61	0
	1974	8,550	14,317	2,500	3,497	6,050	10,820	0	0	0	50	0
	1979	7,566	12,062	2,500	3,500	5,000	9,203	66	159	20	50	413
KLEBERG	1958	1,088	903	370	185	718	718	0	0	0	0	1,088
	1964	933	893	80	40	853	853	0	0	0	1	161
	1969	1,505	640	730	311	775	329	0	0	0	3	1,105
	1974	1,080	505	60	40	940	412	80	53	60	5	1,080
	1979	1,080	437	60	40	940	343	80	53	60	5	1,080
KNOX	1958	21,000	19,276	0	0	21,000	19,276	0	0	0	400	2,250
	1964	33,891	35,277	521	324	33,320	34,894	50	59	50	687	6,165
	1969	69,273	50,168	441	294	68,832	49,874	0	0	0	1,068	16,000
	1974	67,315	44,998	440	293	66,875	44,705	0	0	0	1,085	18,000
	1979	68,000	51,283	0	0	68,000	51,283	0	0	0	1,200	19,630
LAMAR	1958	160	60	160	60	0	0	0	0	0	0	160
	1964	300	100	270	93	30	7	0	0	0	1	290
	1969	790	209	770	202	20	7	0	0	0	1	790
	1974	205	68	205	68	0	0	0	0	0	10	205
	1979	205	68	205	68	0	0	0	0	0	10	205
LAMB	1958	292,460	395,982	0	0	292,460	395,982	0	0	0	5,000	5,060
	1964	331,180	683,252	0	0	331,180	683,252	0	0	0	5,350	19,000
	1969	317,847	388,875	0	0	317,847	388,875	0	0	0	6,000	68,680
	1974	326,070	413,872	0	0	326,070	413,872	0	0	0	6,600	83,200
	1979	296,600	320,033	0	0	296,600	320,033	0	0	0	6,700	125,000



TABLE 1.--IRRIGATION SUMMARY FOR COUNTIES, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

COUNTY	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			IRRIGATION WELLS NUMBER	SPRINKLER SYSTEMS ACRES
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE- FEET	SURFACE SOURCE- PERCENT		
LAMPASAS	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	318	355	286	312	32	43	0	0	0	3	307
	1969	581	855	542	792	39	63	0	0	0	5	581
	1974	625	409	518	331	107	78	0	0	0	8	625
	1979	120	60	120	60	0	0	0	0	0	7	120
LA SALLE	1958	6,570	6,981	1,470	1,442	5,100	5,539	0	0	0	53	4,000
	1964	10,175	15,273	1,221	1,210	8,724	13,820	230	243	50	57	7,949
	1969	11,716	13,879	1,313	1,807	9,943	11,744	460	328	10	53	11,407
	1974	12,296	12,885	1,000	703	9,706	10,900	1,590	1,282	22	57	12,130
	1979	13,055	10,707	1,820	1,378	9,695	8,333	1,540	996	27	40	13,055
LAVACA	1958	5,667	13,579	0	0	5,667	13,579	0	0	0	60	400
	1964	6,480	15,691	0	0	6,480	15,691	0	0	0	62	450
	1969	8,242	23,695	40	27	8,067	23,512	135	156	32	85	915
	1974	8,222	24,325	40	50	7,941	23,965	241	310	49	90	879
	1979	9,054	26,779	40	33	8,773	26,560	241	187	49	90	1,054
LEE	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	0	0	0	0	0	0	0	0	0	0	0
	1969	250	188	0	0	250	188	0	0	0	3	250
	1974	880	683	425	349	455	334	0	0	0	8	880
	1979	215	91	35	18	180	73	0	0	0	9	215
LEON	1958	250	300	50	33	200	267	0	0	0	3	30
	1964	60	30	0	0	60	30	0	0	0	4	0
	1969	0	0	0	0	0	0	0	0	0	2	0
	1974	45	34	0	0	45	34	0	0	0	4	45
	1979	0	0	0	0	0	0	0	0	0	4	0
LIBERTY	1958	34,205	102,615	20,556	61,668	13,649	40,947	0	0	0	32	0
	1964	36,698	88,403	23,016	57,540	13,682	30,863	0	0	0	66	0
	1969	43,556	101,028	25,808	64,521	14,125	28,250	3,623	9,057	48	90	0
	1974	44,372	103,694	26,274	65,687	14,475	28,950	3,623	9,057	48	92	0
	1979	32,400	78,714	22,061	55,153	4,572	9,144	5,767	14,418	50	84	0
LIMESTONE	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	0	0	0	0	0	0	0	0	0	0	0
	1969	95	95	65	65	30	30	0	0	0	3	95
	1974	40	40	0	0	40	40	0	0	0	4	40
	1979	0	0	0	0	0	0	0	0	0	4	0

TABLE 1.--IRRIGATION SUMMARY FOR COUNTIES, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

COUNTY	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			IRRI-GATION WELLS	SPRINKLER SYSTEMS
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	SURFACE SOURCE-PERCENT	NUMBER	ACRES
LIPSCOMB	1958	1,685	1,480	20	15	1,665	1,465	0	0	0	14	680
	1964	2,660	2,420	55	63	2,605	2,357	0	0	0	26	1,695
	1969	8,246	5,158	0	0	7,946	5,008	300	150	30	53	5,706
	1974	15,766	21,099	0	0	15,466	20,974	300	125	20	154	13,096
	1979	33,180	38,417	0	0	32,880	38,267	300	150	20	186	28,790
LIVE OAK	1958	1,280	921	100	139	980	603	200	179	50	14	430
	1964	2,538	1,831	341	195	1,713	1,233	484	403	46	38	1,413
	1969	4,923	2,109	690	430	4,233	1,679	0	0	0	65	4,050
	1974	3,713	2,157	600	433	3,113	1,724	0	0	0	65	2,330
	1979	1,010	673	120	80	890	593	0	0	0	8	420
LLANO	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	340	518	190	328	150	190	0	0	0	6	340
	1969	1,128	2,697	280	634	848	2,063	0	0	0	45	1,128
	1974	1,125	679	540	270	585	409	0	0	0	51	1,125
	1979	982	1,359	231	289	751	1,070	0	0	0	44	957
LOVING	1958	200	700	200	700	0	0	0	0	0	0	0
	1964	100	273	100	273	0	0	0	0	0	0	0
	1969	17	68	17	68	0	0	0	0	0	1	0
	1974	17	51	17	51	0	0	0	0	0	1	0
	1979	30	40	30	40	0	0	0	0	0	1	0
LUBBOCK	1958	350,000	291,264	0	0	350,000	291,264	0	0	0	5,055	200
	1964	350,014	213,298	0	0	350,014	213,298	0	0	0	5,410	2,000
	1969	325,000	189,850	0	0	325,000	189,850	0	0	0	6,200	1,000
	1974	300,000	278,409	0	0	295,000	270,204	5,000	8,125	80	6,720	12,600
	1979	95,395	25,980	0	0	90,045	8,313	5,350	17,667	78	6,454	15,530
LYNN	1958	65,000	79,501	0	0	65,000	79,501	0	0	0	1,500	1,500
	1964	79,200	79,067	0	0	79,200	79,067	0	0	0	2,175	3,400
	1969	92,070	23,477	430	183	91,640	23,294	0	0	0	2,466	2,650
	1974	72,485	72,382	130	108	72,355	72,274	0	0	0	2,532	4,120
	1979	64,559	38,290	300	175	63,959	37,815	300	300	75	2,730	18,060
MCCULLOCH	1958	1,172	1,098	348	292	824	806	0	0	0	20	1,012
	1964	1,154	1,493	474	433	680	1,060	0	0	0	21	1,093
	1969	1,973	2,290	583	645	1,390	1,645	0	0	0	44	1,877
	1974	2,284	2,180	481	501	1,803	1,679	0	0	0	38	2,228
	1979	2,859	2,651	476	568	2,383	2,083	0	0	0	40	2,859

TABLE 1.--IRRIGATION SUMMARY FOR COUNTIES, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

COUNTY	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			IRRI-GATION WELLS	SPRINKLER SYSTEMS
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE- FEET	SURFACE SOURCE- PERCENT	NUMBER	ACRES
MCLENNAN	1958	4,015	1,942	0	0	0	0	4,015	1,942	62	71	1,745
	1964	7,233	3,213	0	0	0	0	7,233	3,213	97	75	5,805
	1969	6,642	5,181	5,680	4,421	962	760	0	0	0	80	3,611
	1974	6,509	4,907	5,657	4,255	852	652	0	0	0	80	3,389
	1979	0	0	0	0	0	0	0	0	0	60	0
MCHULLEN	1958	127	97	27	14	100	83	0	0	0	5	127
	1964	282	145	27	9	255	136	0	0	0	8	252
	1969	0	0	0	0	0	0	0	0	0	8	0
	1974	0	0	0	0	0	0	0	0	0	12	0
	1979	0	0	0	0	0	0	0	0	0	12	0
MADISON	1958	540	734	500	667	40	67	0	0	0	1	0
	1964	790	693	560	540	80	53	150	100	50	4	250
	1969	994	687	664	444	180	130	150	113	50	4	350
	1974	40	40	0	0	40	40	0	0	0	4	40
	1979	108	59	108	59	0	0	0	0	0	4	0
MARION	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	160	80	160	80	0	0	0	0	0	0	160
	1969	120	40	120	40	0	0	0	0	0	0	120
	1974	0	0	0	0	0	0	0	0	0	0	0
	1979	0	0	0	0	0	0	0	0	0	0	0
MARTIN	1958	26,200	40,675	0	0	26,200	40,675	0	0	0	289	23,200
	1964	22,000	45,665	0	0	22,000	45,665	0	0	0	300	21,700
	1969	28,952	29,187	0	0	28,952	29,187	0	0	0	350	28,952
	1974	26,715	29,825	0	0	26,715	29,825	0	0	0	325	26,715
	1979	25,000	15,625	0	0	25,000	15,625	0	0	0	325	25,000
MASON	1958	4,345	4,737	0	0	4,345	4,737	0	0	0	67	4,345
	1964	5,254	8,583	132	203	5,122	8,380	0	0	0	92	5,144
	1969	8,437	16,804	242	384	8,195	16,420	0	0	0	300	8,410
	1974	8,414	6,464	242	160	8,172	6,304	0	0	0	350	8,374
	1979	6,957	14,867	125	178	6,832	14,689	0	0	0	289	6,951
MATAGORDA	1958	35,200	140,460	27,100	110,450	3,700	12,650	4,400	17,360	60	41	0
	1964	45,952	213,577	37,386	180,349	5,296	19,058	3,270	14,170	21	40	230
	1969	55,400	216,050	46,001	184,004	5,899	18,921	3,500	13,125	30	109	690
	1974	55,686	208,659	22,401	89,604	7,050	20,674	26,235	98,381	84	114	1,600
	1979	56,759	206,231	22,743	88,302	8,184	21,059	25,832	96,870	84	120	3,924



TABLE 1.--IRRIGATION SUMMARY FOR COUNTIES, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

COUNTY	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			IRRI-GATION WELLS	SPRINKLER SYSTEMS
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE- FEET	SURFACE SOURCE- PERCENT	NUMBER	ACRES
MAVERICK	1958	29,431	35,001	28,256	33,667	1,175	1,334	0	0	0	6	0
	1964	38,449	110,696	36,820	108,282	1,629	2,414	0	0	0	14	0
	1969	46,629	117,706	45,000	113,520	1,629	4,186	0	0	0	14	0
	1974	42,729	100,930	41,100	97,600	1,629	3,330	0	0	0	14	400
	1979	42,030	63,337	40,400	61,097	1,630	2,240	0	0	0	14	640
MEDINA	1958	13,400	21,893	5,400	10,661	8,000	11,232	0	0	0	40	0
	1964	19,564	38,169	10,500	23,708	9,064	14,461	0	0	0	54	800
	1969	26,210	62,635	13,100	29,967	13,110	32,668	0	0	0	117	2,210
	1974	34,450	69,667	13,250	28,634	21,200	41,033	0	0	0	154	3,505
	1979	38,050	65,370	13,250	21,733	24,800	43,637	0	0	0	175	5,985
MENARD	1958	3,500	5,210	3,300	4,922	200	288	0	0	0	6	30
	1964	2,154	3,051	1,873	2,661	281	390	0	0	0	9	20
	1969	2,930	3,790	2,900	3,730	30	60	0	0	0	9	30
	1974	3,005	3,331	2,900	3,016	105	315	0	0	0	12	105
	1979	3,254	2,431	3,154	2,348	100	83	0	0	0	14	120
MIDLAND	1958	12,175	24,866	0	0	12,175	24,866	0	0	0	260	12,175
	1964	11,826	14,847	0	0	11,826	14,847	0	0	0	389	10,297
	1969	28,505	33,429	0	0	28,505	33,429	0	0	0	250	26,200
	1974	29,385	37,457	0	0	28,276	35,753	1,109	1,704	70	300	21,545
	1979	17,745	24,571	0	0	16,545	22,071	1,200	2,500	75	350	14,100
MILAM	1958	2,365	1,836	1,930	1,479	35	23	400	334	50	9	295
	1964	4,504	3,434	3,854	2,844	250	190	400	400	60	9	2,114
	1969	1,945	787	1,475	594	220	110	250	83	80	10	1,005
	1974	2,025	1,316	1,535	1,001	240	123	250	192	80	12	1,055
	1979	165	117	165	117	0	0	0	0	0	12	80
MILLS	1958	1,880	3,066	1,880	3,066	0	0	0	0	0	0	50
	1964	2,387	2,455	2,387	2,455	0	0	0	0	0	0	476
	1969	2,083	4,092	2,083	4,092	0	0	0	0	0	0	679
	1974	3,120	6,559	3,120	6,559	0	0	0	0	0	0	1,738
	1979	1,945	1,637	1,710	1,480	235	157	0	0	0	4	475
MITCHELL	1958	15,000	23,741	0	0	15,000	23,741	0	0	0	140	15,000
	1964	12,000	23,291	0	0	12,000	23,291	0	0	0	110	12,000
	1969	5,243	2,682	120	60	4,953	2,556	170	66	32	310	5,233
	1974	6,413	4,380	220	110	6,023	4,204	170	66	32	335	6,403
	1979	2,940	2,525	150	150	2,790	2,375	0	0	0	300	2,940

TABLE 1.--IRRIGATION SUMMARY FOR COUNTIES, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

COUNTY	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			IRRI-GATION WELLS	SPRINKLER SYSTEMS
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	SURFACE SOURCE-PERCENT	NUMBER	ACRES
MONTAGUE	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	211	144	104	43	107	101	0	0	0	6	211
	1969	320	137	240	89	80	48	0	0	0	8	320
	1974	512	359	202	94	105	77	205	188	38	10	512
	1979	435	179	5	2	90	15	340	163	56	12	345
MONTEGOMERY	1958	120	80	60	40	60	40	0	0	0	2	120
	1964	260	81	100	11	160	70	0	0	0	5	240
	1969	135	135	35	35	100	100	0	0	0	4	135
	1974	0	0	0	0	0	0	0	0	0	0	0
	1979	0	0	0	0	0	0	0	0	0	0	0
MOORE	1958	81,280	83,828	0	0	81,280	83,828	0	0	0	256	0
	1964	113,180	160,534	0	0	113,180	160,534	0	0	0	564	190
	1969	212,780	218,828	0	0	212,780	218,828	0	0	0	890	790
	1974	230,136	327,908	0	0	230,136	327,908	0	0	0	1,007	840
	1979	233,725	304,033	0	0	233,725	304,033	0	0	0	1,190	5,830
MORRIS	1958	170	64	60	19	0	0	110	45	50	2	140
	1964	160	79	10	4	0	0	150	75	60	2	160
	1969	470	273	450	265	0	0	20	8	20	2	470
	1974	470	273	450	265	0	0	20	8	95	2	450
	1979	275	85	275	85	0	0	0	0	0	0	275
NOTLEY	1958	2,932	2,401	0	0	2,932	2,401	0	0	0	75	2,453
	1964	3,915	4,038	0	0	3,915	4,038	0	0	0	82	3,715
	1969	7,164	7,131	0	0	7,164	7,131	0	0	0	100	7,164
	1974	7,384	6,559	80	60	7,304	6,499	0	0	0	110	7,384
	1979	7,544	2,975	40	37	7,504	2,938	0	0	0	118	7,164
NACOGDOCHES	1958	40	7	40	7	0	0	0	0	0	3	40
	1964	9	4	5	2	4	2	0	0	0	1	9
	1969	0	0	0	0	0	0	0	0	0	0	0
	1974	25	21	25	21	0	0	0	0	0	0	25
	1979	0	0	0	0	0	0	0	0	0	0	0
NAVARRO	1958	1,130	565	880	440	250	125	0	0	0	6	840
	1964	240	120	40	20	200	100	0	0	0	9	0
	1969	0	0	0	0	0	0	0	0	0	8	0
	1974	0	0	0	0	0	0	0	0	0	0	0
	1979	0	0	0	0	0	0	0	0	0	0	0

TABLE I.--IRRIGATION SUMMARY FOR COUNTIES, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

COUNTY	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			IRRI-GATION WELLS	SPRINKLER SYSTEMS
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE- FEET	SURFACE SOURCE- PERCENT	NUMBER	ACRES
NEWTON	1958	640	861	70	23	550	825	20	13	50	5	90
	1964	595	1,177	0	0	505	1,170	10	7	50	5	10
	1969	536	1,032	0	0	506	1,012	30	20	25	4	30
	1974	525	767	0	0	500	750	25	17	25	1	25
	1979	1,130	1,068	0	0	0	0	1,130	1,068	25	2	30
NOLAN	1958	2,890	2,840	150	150	2,740	2,698	0	0	0	105	1,250
	1964	3,779	3,248	383	364	3,396	2,884	0	0	0	136	1,110
	1969	3,450	3,511	411	414	2,939	2,997	100	150	10	160	2,511
	1974	3,180	2,922	270	216	2,910	2,706	0	0	0	160	2,030
	1979	2,002	2,399	365	623	1,602	1,729	35	47	30	170	1,765
NUECES	1958	5,240	3,419	4,640	3,192	600	227	0	0	0	2	935
	1964	10,304	6,445	9,103	5,703	1,201	742	0	0	0	12	1,715
	1969	6,301	3,432	5,200	2,630	1,101	802	0	0	0	11	0
	1974	250	83	240	80	10	3	0	0	0	10	10
	1979	0	0	0	0	0	0	0	0	0	17	0
OCHILTREE	1958	16,820	19,078	0	0	16,820	19,078	0	0	0	59	0
	1964	40,380	47,607	0	0	40,380	47,607	0	0	0	225	50
	1969	107,060	115,192	0	0	107,060	115,192	0	0	0	432	1,560
	1974	140,420	207,640	0	0	140,000	206,867	420	773	20	566	4,260
	1979	120,000	108,717	0	0	120,000	108,717	0	0	0	556	4,260
OLDHAM	1958	19,289	24,110	0	0	19,289	24,110	0	0	0	65	0
	1964	25,440	38,571	0	0	25,440	38,571	0	0	0	130	150
	1969	28,710	30,084	0	0	28,710	30,084	0	0	0	164	460
	1974	32,709	31,688	0	0	32,709	31,688	0	0	0	242	1,330
	1979	16,830	16,722	0	0	16,830	16,722	0	0	0	186	1,030
ORANGE	1958	4,321	7,202	4,050	6,750	271	452	0	0	0	2	0
	1964	4,846	14,403	4,575	13,725	271	678	0	0	0	0	0
	1969	4,232	10,300	3,673	9,182	559	1,118	0	0	0	4	0
	1974	4,232	10,300	3,673	9,182	559	1,118	0	0	0	4	0
	1979	1,739	3,188	1,739	3,188	0	0	0	0	0	1	0
PALO PINTO	1958	1,183	1,071	1,183	1,071	0	0	0	0	0	0	1,183
	1964	373	208	370	206	3	2	0	0	0	1	373
	1969	2,077	1,327	1,938	1,258	139	69	0	0	0	2	2,077
	1974	1,680	840	1,544	772	136	68	0	0	0	2	1,680
	1979	308	55	308	55	0	0	0	0	0	2	308



TABLE 1.--IRRIGATION SUMMARY FOR COUNTIES, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

COUNTY	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			IRRI-GATION WELLS	SPRINKLER SYSTEMS
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	SURFACE SOURCE-PERCENT	NUMBER	ACRES
PANOLA	1958	45	8	45	8	0	0	0	0	0	2	40
	1964	96	42	66	27	30	15	0	0	0	2	95
	1969	56	21	26	6	30	15	0	0	0	3	56
	1974	10	3	0	0	10	3	0	0	0	2	10
	1979	0	0	0	0	0	0	0	0	0	0	0
PARKER	1958	1,542	529	1,542	529	0	0	0	0	0	0	1,242
	1964	1,152	1,270	1,152	1,270	0	0	0	0	0	0	782
	1969	1,139	1,116	1,139	1,116	0	0	0	0	0	0	769
	1974	800	504	745	472	55	32	0	0	0	3	800
	1979	647	363	647	363	0	0	0	0	0	3	647
PARMER	1958	404,222	773,936	0	0	404,222	773,936	0	0	0	2,410	250
	1964	377,000	574,020	0	0	377,000	574,020	0	0	0	2,650	1,480
	1969	318,647	493,295	0	0	318,357	492,817	290	478	30	3,402	6,100
	1974	382,210	605,697	0	0	381,920	605,214	290	483	30	3,772	22,150
	1979	417,986	592,805	0	0	417,696	592,289	290	517	30	3,973	57,630
PECOS	1958	117,413	345,266	0	0	104,113	313,900	13,300	31,366	55	636	0
	1964	119,313	367,455	0	0	111,113	339,397	8,200	28,058	18	1,166	0
	1969	55,043	201,748	0	0	50,591	187,157	4,452	14,591	63	912	0
	1974	51,795	183,669	0	0	46,462	171,240	3,333	12,429	50	911	0
	1979	27,291	94,462	0	0	26,323	90,147	968	4,316	75	915	3,097
POLK	1958	0	0	0	0	0	0	0	0	0	6	0
	1964	50	25	50	25	0	0	0	0	0	2	0
	1969	0	0	0	0	0	0	0	0	0	6	0
	1974	0	0	0	0	0	0	0	0	0	6	0
	1979	85	82	65	22	20	60	0	0	0	4	85
POTTER	1958	11,000	10,000	0	0	11,000	10,000	0	0	0	55	0
	1964	14,300	22,548	0	0	14,300	22,548	0	0	0	40	0
	1969	17,757	20,844	0	0	17,757	20,844	0	0	0	75	0
	1974	18,233	24,327	0	0	18,233	24,327	0	0	0	100	0
	1979	15,240	20,715	0	0	12,840	16,515	2,400	4,200	70	95	2,160
PRESIDIO	1958	5,188	18,926	0	0	228	517	4,960	18,409	80	60	0
	1964	5,445	17,307	0	0	480	1,192	4,965	16,115	80	60	40
	1969	5,861	23,709	78	195	576	2,345	5,207	21,169	85	60	0
	1974	6,374	23,471	0	0	1,077	4,018	5,297	19,453	80	65	650
	1979	8,649	31,917	4,838	23,600	3,811	8,317	0	0	0	78	2,940

TABLE 1.--IRRIGATION SUMMARY FOR COUNTIES, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

COUNTY	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			IRRI-GATION WELLS	SPRINKLER SYSTEMS
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE- FEET	SURFACE SOURCE- PERCENT	NUMBER	ACRES
PAINS	1958	60	30	60	30	0	0	0	0	0	0	60
	1964	15	5	5	2	10	3	0	0	0	1	15
	1969	140	30	140	30	0	0	0	0	0	2	140
	1974	0	0	0	0	0	0	0	0	0	2	0
	1979	0	0	0	0	0	0	0	0	0	0	0
RANDALL	1958	95,000	86,986	0	0	95,000	86,986	0	0	0	700	160
	1964	91,000	147,717	0	0	91,000	147,717	0	0	0	821	400
	1969	84,659	87,545	0	0	83,659	86,512	1,000	1,033	80	1,150	675
	1974	85,219	96,883	0	0	84,219	95,850	1,000	1,033	80	1,200	1,285
	1979	74,446	79,955	350	325	72,496	78,020	1,600	1,610	65	1,190	3,580
REAGAN	1958	2,620	4,270	0	0	2,620	4,270	0	0	0	40	150
	1964	10,247	15,334	0	0	10,247	15,334	0	0	0	158	360
	1969	16,451	15,434	0	0	16,451	15,434	0	0	0	250	1,510
	1974	11,085	14,531	0	0	11,085	14,531	0	0	0	346	60
	1979	23,065	26,937	0	0	23,065	26,937	0	0	0	785	27
REAL	1958	900	1,090	900	1,090	0	0	0	0	0	0	200
	1964	1,410	1,066	1,410	1,066	0	0	0	0	0	0	700
	1969	1,035	725	1,035	725	0	0	0	0	0	0	805
	1974	885	941	885	941	0	0	0	0	0	0	700
	1979	455	232	455	232	0	0	0	0	0	0	326
RED RIVER	1958	450	184	0	0	0	0	450	184	37	6	87
	1964	733	308	135	62	40	13	558	225	37	7	100
	1969	651	326	265	142	186	84	200	108	20	16	445
	1974	80	40	0	0	80	40	0	0	0	16	80
	1979	1,080	367	1,000	333	80	33	0	0	0	4	1,080
REEVES	1958	96,000	368,568	11,000	33,400	85,000	335,168	0	0	0	850	0
	1964	118,200	414,217	7,200	12,200	111,000	402,017	0	0	0	975	0
	1969	82,035	334,392	100	333	74,558	310,192	7,377	23,867	28	1,010	640
	1974	78,170	319,785	80	317	68,993	286,856	9,097	32,612	50	995	1,100
	1979	36,502	127,469	245	613	28,614	105,103	7,643	21,754	80	975	11,370
REFUGIO	1958	650	271	0	0	650	271	0	0	0	1	400
	1964	890	498	25	17	650	338	215	143	20	3	215
	1969	0	0	0	0	0	0	0	0	0	3	0
	1974	0	0	0	0	0	0	0	0	0	2	0
	1979	0	0	0	0	0	0	0	0	0	2	0

TABLE 1.--IRRIGATION SUMMARY FOR COUNTIES, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

COUNTY	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			IRRI-GATION WELLS	SPRINKLER SYSTEMS
		ACRES	ACRE- FEET	ACRES	ACRE- FEET	ACRES	ACRE- FEET	ACRES	ACRE- FEET	SURFACE SOURCE- PERCENT	NUMBER	ACRES
ROBERTS	1958	3,320	4,602	0	0	3,320	4,602	0	0	0	15	60
	1964	6,330	8,348	0	0	6,330	8,348	0	0	0	25	350
	1969	9,160	8,810	0	0	9,160	8,810	0	0	0	55	1,096
	1974	9,551	13,518	0	0	9,551	13,518	0	0	0	56	1,526
	1979	11,634	14,184	0	0	11,634	14,184	0	0	0	58	3,230
ROBERTSON	1958	34,910	26,897	5,695	4,918	28,515	21,429	700	550	50	421	400
	1964	41,315	39,008	5,770	6,461	34,385	31,391	1,160	1,156	51	428	870
	1969	23,415	19,741	4,650	3,342	17,715	15,474	1,050	925	50	440	630
	1974	22,295	20,064	4,150	3,592	17,095	15,547	1,050	925	50	450	675
	1979	19,740	14,591	2,200	1,646	17,540	12,945	0	0	0	451	355
ROCKWALL	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	15	22	15	22	0	0	0	0	0	0	15
	1969	0	0	0	0	0	0	0	0	0	0	0
	1974	0	0	0	0	0	0	0	0	0	0	0
	1979	0	0	0	0	0	0	0	0	0	0	0
RUNNELS	1958	2,713	3,768	2,593	3,578	100	150	20	40	50	3	0
	1964	3,524	6,042	3,108	5,412	326	495	90	135	50	14	216
	1969	3,502	5,743	2,851	4,895	561	778	90	70	50	25	428
	1974	5,592	7,836	4,510	6,614	989	1,122	93	100	37	54	2,175
	1979	5,498	6,466	4,030	4,837	1,138	1,264	330	365	60	83	2,508
RUSK	1958	295	130	275	120	20	10	0	0	0	1	295
	1964	305	121	235	89	20	7	50	25	24	2	180
	1969	150	41	150	41	0	0	0	0	0	1	150
	1974	2	1	2	1	0	0	0	0	0	1	2
	1979	10	3	5	2	5	1	0	0	0	1	7
SABINE	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	0	0	0	0	0	0	0	0	0	0	0
	1969	0	0	0	0	0	0	0	0	0	0	0
	1974	0	0	0	0	0	0	0	0	0	0	0
	1979	0	0	0	0	0	0	0	0	0	0	0
SAN AUGUSTINE	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	0	0	0	0	0	0	0	0	0	0	0
	1969	0	0	0	0	0	0	0	0	0	0	0
	1974	0	0	0	0	0	0	0	0	0	0	0
	1979	0	0	0	0	0	0	0	0	0	0	0



TABLE 1.--IRRIGATION SUMMARY FOR COUNTIES, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

COUNTY	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			IRRI-GATION WELLS	SPRINKLER SYSTEMS
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	SURFACE SOURCE-PERCENT	NUMBER	ACRES
SAN JACINTO	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	0	0	0	0	0	0	0	0	0	0	0
	1969	0	0	0	0	0	0	0	0	0	0	0
	1974	0	0	0	0	0	0	0	0	0	0	0
	1979	0	0	0	0	0	0	0	0	0	2	0
SAN PATRICIO	1958	17,000	20,785	0	0	17,000	20,785	0	0	0	79	0
	1964	19,460	8,840	400	400	19,560	8,440	0	0	0	87	200
	1969	13,839	6,253	205	156	13,634	6,097	0	0	0	96	0
	1974	10,730	5,986	90	60	10,640	5,926	0	0	0	98	0
	1979	2,123	1,375	94	94	2,029	1,281	0	0	0	100	94
SAN SABA	1958	2,970	4,716	2,610	4,213	360	503	0	0	0	6	35
	1964	4,564	7,642	3,759	6,355	805	1,287	0	0	0	16	935
	1969	5,830	5,564	5,295	4,979	535	585	0	0	0	16	1,075
	1974	8,063	11,018	6,748	9,385	1,315	1,633	0	0	0	19	1,230
	1979	5,763	5,111	4,603	4,455	1,160	657	0	0	0	24	895
SCHLEICHER	1958	2,577	4,635	166	135	2,411	4,500	0	0	0	26	0
	1964	4,118	7,766	82	143	4,036	7,623	0	0	0	53	795
	1969	4,502	4,951	122	164	4,380	4,787	0	0	0	79	998
	1974	2,589	2,006	82	55	2,507	1,951	0	0	0	77	615
	1979	1,183	793	0	0	1,183	793	0	0	0	42	491
SCURRY	1958	2,656	1,331	0	0	2,656	1,331	0	0	0	26	2,656
	1964	3,150	1,728	0	0	3,150	1,728	0	0	0	70	3,150
	1969	5,694	3,323	0	0	5,494	3,223	200	100	80	145	4,364
	1974	5,610	5,943	0	0	5,610	5,943	0	0	0	150	4,450
	1979	4,565	5,532	350	917	4,215	4,615	0	0	0	155	3,755
SHACKELFORD	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	144	118	144	118	0	0	0	0	0	2	132
	1969	293	673	293	673	0	0	0	0	0	0	218
	1974	320	366	300	341	20	25	0	0	0	3	305
	1979	388	361	142	138	246	223	0	0	0	8	388
SHELBY	1958	3	1	3	1	0	0	0	0	0	0	0
	1964	0	0	0	0	0	0	0	0	0	0	0
	1969	0	0	0	0	0	0	0	0	0	0	0
	1974	0	0	0	0	0	0	0	0	0	0	0
	1979	0	0	0	0	0	0	0	0	0	0	0

TABLE 1.--IRRIGATION SUMMARY FOR COUNTIES, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

COUNTY	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			IRRI- GATION WELLS	SPRINKLER SYSTEMS
		ACRES	ACRE- FEET	ACRES	ACRE- FEET	ACRES	ACRE- FEET	ACRES	ACRE- FEET	SURFACE SOURCE- PERCENT	NUMBER	ACRES
SHERMAN	1958	50,000	60,200	0	0	50,000	60,200	0	0	0	200	0
	1964	137,200	182,000	0	0	137,200	182,000	0	0	0	690	900
	1969	252,578	284,537	0	0	252,578	284,537	0	0	0	1,018	12,220
	1974	273,651	330,277	0	0	273,171	329,857	480	420	20	1,190	21,650
	1979	231,000	268,267	0	0	230,300	267,417	700	850	30	1,357	57,735
SMITH	1958	780	169	390	65	390	104	0	0	0	7	780
	1964	850	466	310	192	100	33	440	241	64	7	850
	1969	1,545	566	795	316	0	0	750	250	50	7	1,210
	1974	700	267	400	167	0	0	300	100	50	7	700
	1979	595	226	195	93	0	0	400	133	75	7	580
SOMERVELL	1958	195	190	130	147	65	43	0	0	0	3	130
	1964	211	204	196	196	15	8	0	0	0	4	211
	1969	524	338	524	338	0	0	0	0	0	5	501
	1974	478	180	420	127	58	53	0	0	0	4	458
	1979	715	484	450	267	265	218	0	0	0	7	715
STARR	1958	35,441	41,097	35,141	40,863	300	234	0	0	0	3	300
	1964	33,450	47,367	200	342	250	125	33,000	46,900	70	202	750
	1969	32,500	44,421	0	0	0	0	32,500	44,421	75	40	0
	1974	25,576	26,155	25,576	26,155	0	0	0	0	0	25	0
	1979	25,576	25,909	25,576	25,909	0	0	0	0	0	10	0
STEPHENS	1958	388	259	358	241	30	18	0	0	0	1	135
	1964	458	517	356	364	42	84	60	69	70	3	105
	1969	1,169	1,479	1,078	1,343	0	0	91	136	50	1	908
	1974	855	855	765	765	0	0	90	90	30	1	825
	1979	1,157	876	997	781	0	0	160	95	39	4	797
STERLING	1958	215	224	0	0	145	163	70	61	20	8	0
	1964	1,356	2,336	0	0	1,099	1,819	257	517	20	36	1,027
	1969	2,081	4,824	95	190	1,986	4,634	0	0	0	52	368
	1974	2,252	4,169	0	0	2,252	4,169	0	0	0	56	2,227
	1979	633	1,468	0	0	633	1,468	0	0	0	63	633
STONEWALL	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	2,115	3,004	0	0	2,115	3,004	0	0	0	50	965
	1969	1,480	1,515	0	0	1,480	1,515	0	0	0	50	1,300
	1974	425	663	20	30	405	633	0	0	0	32	370
	1979	208	236	0	0	208	236	0	0	0	30	76

TABLE 1.--IRRIGATION SUMMARY FOR COUNTIES, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

COUNTY	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			IRRI-GATION WELLS	SPRINKLER SYSTEMS
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE- FEET	SURFACE SOURCE- PERCENT	NUMBER	ACRES
SUTTON	1958	407	544	167	237	240	307	0	0	0	6	280
	1964	666	1,483	96	237	570	1,246	0	0	0	9	260
	1969	1,177	2,899	168	350	1,009	2,549	0	0	0	17	633
	1974	989	1,721	112	212	877	1,509	0	0	0	17	445
	1979	569	826	124	196	445	630	0	0	0	17	236
SWISHER	1958	319,200	265,026	0	0	319,200	265,026	0	0	0	2,638	0
	1964	279,012	471,623	0	0	279,012	471,623	0	0	0	3,608	1,160
	1969	249,700	369,637	0	0	245,840	363,920	3,860	5,717	41	4,596	1,500
	1974	316,800	474,878	0	0	316,800	474,878	0	0	0	4,600	3,500
	1979	132,624	157,952	0	0	132,624	157,952	0	0	0	4,900	8,500
TARRANT	1958	2,020	1,124	1,420	857	600	267	0	0	0	35	1,365
	1964	2,160	1,667	1,560	1,169	0	0	600	498	50	15	2,020
	1969	550	950	550	950	0	0	0	0	0	10	300
	1974	400	800	400	800	0	0	0	0	0	10	150
	1979	266	219	181	181	0	0	85	38	25	10	219
TAYLOR	1958	1,371	2,452	40	53	1,331	2,399	0	0	0	49	817
	1964	2,221	2,459	325	502	1,896	1,957	0	0	0	107	1,714
	1969	1,306	1,581	611	798	605	508	90	275	90	125	370
	1974	3,040	3,433	150	155	2,890	3,278	0	0	0	98	1,090
	1979	1,638	936	505	253	1,133	683	0	0	0	100	1,093
TERRELL	1958	111	501	111	501	0	0	0	0	0	0	56
	1964	207	1,035	207	1,035	0	0	0	0	0	0	56
	1969	277	1,250	40	200	237	1,050	0	0	0	2	0
	1974	106	257	0	0	106	257	0	0	0	3	0
	1979	194	565	38	76	156	489	0	0	0	6	54
TERRY	1958	136,034	135,586	0	0	136,034	135,586	0	0	0	1,125	136,034
	1964	130,000	170,313	0	0	130,000	170,313	0	0	0	1,550	130,000
	1969	169,700	58,057	0	0	169,500	57,897	200	160	50	1,630	168,670
	1974	173,230	145,520	0	0	173,030	145,410	200	160	50	1,700	172,240
	1979	166,336	57,712	0	0	166,136	57,645	200	67	50	1,700	165,330
THROCKMORTON	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	65	48	65	48	0	0	0	0	0	0	65
	1969	0	0	0	0	0	0	0	0	0	6	0
	1974	85	42	30	15	55	27	0	0	0	1	55
	1979	0	0	0	0	0	0	0	0	0	1	0



TABLE 1.--IRRIGATION SUMMARY FOR COUNTIES, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

COUNTY	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			IRRI-GATION WELLS	SPRINKLER SYSTEMS
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	SURFACE SOURCE-PERCENT	NUMBER	ACRES
TITUS	1958	115	40	110	38	0	0	5	2	40	2	115
	1964	0	0	0	0	0	0	0	0	0	2	0
	1969	0	0	0	0	0	0	0	0	0	1	0
	1974	0	0	0	0	0	0	0	0	0	1	0
	1979	0	0	0	0	0	0	0	0	0	0	0
TOM GREEN	1958	10,775	12,415	5,324	6,746	4,511	4,582	940	1,087	50	88	108
	1964	16,858	28,551	4,694	10,139	11,414	17,065	750	1,347	61	241	1,055
	1969	13,820	13,464	5,463	6,715	8,257	6,604	100	145	80	248	1,982
	1974	26,316	23,449	12,773	12,476	10,923	8,306	2,620	2,667	66	318	2,843
	1979	30,560	50,495	15,900	33,188	13,500	15,880	1,160	1,427	66	525	2,500
TRAVIS	1958	1,430	1,254	1,105	980	325	274	0	0	0	9	525
	1964	1,270	1,002	995	814	275	188	0	0	0	11	378
	1969	2,604	1,685	2,337	1,510	267	175	0	0	0	9	1,737
	1974	1,256	978	1,036	804	100	74	120	100	70	5	1,023
	1979	260	170	40	40	100	50	120	80	70	5	260
TRINITY	1958	50	8	0	0	50	8	0	0	0	1	50
	1964	0	0	0	0	0	0	0	0	0	1	0
	1969	0	0	0	0	0	0	0	0	0	1	0
	1974	0	0	0	0	0	0	0	0	0	0	0
	1979	0	0	0	0	0	0	0	0	0	0	0
TYLER	1958	13	5	1	1	8	3	4	1	50	3	8
	1964	0	0	0	0	0	0	0	0	0	2	0
	1969	84	51	68	40	15	10	1	1	25	5	83
	1974	35	9	35	9	0	0	0	0	0	1	35
	1979	0	0	0	0	0	0	0	0	0	0	0
UPSHUR	1958	0	0	0	0	0	0	0	0	0	3	0
	1964	0	0	0	0	0	0	0	0	0	2	0
	1969	10	4	0	0	0	0	10	4	40	1	10
	1974	14	7	14	7	0	0	0	0	0	1	14
	1979	0	0	0	0	0	0	0	0	0	0	0
UPTON	1958	550	698	0	0	550	698	0	0	0	9	210
	1964	2,810	3,594	0	0	2,810	3,594	0	0	0	33	2,660
	1969	5,676	5,438	0	0	5,676	5,438	0	0	0	80	2,050
	1974	6,486	9,015	0	0	6,486	9,015	0	0	0	130	0
	1979	14,002	17,493	0	0	14,002	17,493	0	0	0	428	440

TABLE 1.--IRRIGATION SUMMARY FOR COUNTIES, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

COUNTY	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			IRRI-GATION WELLS	SPRINKLER SYSTEMS
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE- FEET	SURFACE SOURCE- PERCENT	NUMBER	ACRES
EVALDE	1958	13,945	18,030	420	408	12,625	17,051	900	571	88	137	390
	1964	21,379	33,939	925	496	20,254	33,327	200	116	70	180	400
	1969	35,596	49,407	1,100	879	34,496	48,523	0	0	0	245	900
	1974	40,812	70,312	1,290	1,633	38,122	67,312	1,000	1,367	10	285	2,580
	1979	39,612	78,105	1,500	1,890	36,912	74,215	1,200	2,000	15	305	12,261
VAL VERDE	1958	2,200	2,369	0	0	2,200	2,369	0	0	0	10	140
	1964	1,300	2,174	0	0	1,300	2,174	0	0	0	14	0
	1969	1,575	2,342	130	187	1,445	2,155	0	0	0	5	130
	1974	1,095	1,745	820	1,344	275	401	0	0	0	8	25
	1979	870	1,350	620	1,130	250	220	0	0	0	12	230
VAN ZANDT	1958	330	130	240	88	90	42	0	0	0	5	330
	1964	575	257	505	224	70	33	0	0	0	5	575
	1969	311	117	311	117	0	0	0	0	0	0	311
	1974	0	0	0	0	0	0	0	0	0	0	0
	1979	0	0	0	0	0	0	0	0	0	0	0
VICTORIA	1958	4,635	16,014	358	299	4,277	15,715	0	0	0	36	458
	1964	5,096	13,112	150	45	4,946	13,067	0	0	0	28	130
	1969	5,385	17,338	0	0	5,385	17,338	0	0	0	37	0
	1974	5,160	16,892	326	109	4,834	15,983	0	0	0	56	191
	1979	7,874	25,836	176	176	7,698	25,660	0	0	0	64	176
WALKER	1958	123	82	0	0	123	82	0	0	0	2	123
	1964	120	13	120	13	0	0	0	0	0	1	0
	1969	1,325	745	1,325	745	0	0	0	0	0	2	48
	1974	405	273	405	273	0	0	0	0	0	2	0
	1979	30	8	30	8	0	0	0	0	0	3	30
WALLER	1958	17,493	25,446	256	341	16,300	24,212	937	893	37	89	243
	1964	15,957	23,068	356	252	15,355	22,637	246	179	20	71	185
	1969	17,759	28,915	406	277	17,107	28,523	246	115	50	77	539
	1974	18,361	29,984	200	200	18,161	29,784	0	0	0	80	416
	1979	16,577	25,255	0	0	16,577	25,255	0	0	0	80	1,000
WARD	1958	5,660	14,739	0	0	960	1,822	4,700	12,917	75	43	560
	1964	5,447	18,240	0	0	1,181	2,844	4,266	15,396	10	100	1,181
	1969	6,496	23,806	242	627	1,357	2,918	4,897	20,261	50	60	1,001
	1974	5,536	22,975	127	317	590	2,136	4,819	20,522	50	62	314
	1979	1,788	7,549	108	333	225	577	1,463	6,639	72	64	45

TABLE 1.--IRRIGATION SUMMARY FOR COUNTIES, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

COUNTY	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			IRRI-GATION WELLS	SPRINKLER SYSTEMS
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE- FEET	SURFACE SOURCE- PERCENT	NUMBER	ACRES
WASHINGTON	1958	1,284	1,543	210	210	400	435	674	898	60	19	360
	1964	974	959	150	143	824	816	0	0	0	14	384
	1969	698	637	240	320	108	54	350	263	50	10	108
	1974	190	105	40	30	150	75	0	0	0	13	150
	1979	20	20	0	0	20	20	0	0	0	14	0
WEBB	1958	8,110	9,891	8,060	9,851	50	40	0	0	0	3	100
	1964	12,050	22,937	12,050	22,937	0	0	0	0	0	0	0
	1969	16,572	23,305	16,572	23,305	0	0	0	0	0	0	0
	1974	12,564	14,934	12,564	14,934	0	0	0	0	0	0	243
	1979	4,979	3,556	4,979	3,556	0	0	0	0	0	0	1,849
WHARTON	1958	67,630	167,185	20,550	54,829	44,580	110,506	2,500	1,850	20	350	0
	1964	71,040	146,598	16,510	38,533	54,530	108,065	0	0	0	421	0
	1969	82,253	239,068	15,205	48,770	67,048	190,298	0	0	0	420	0
	1974	89,848	255,226	19,910	59,910	69,938	175,906	6,530	19,590	80	438	480
	1979	85,175	163,195	26,160	56,180	47,415	84,265	11,600	22,750	61	443	1,425
WHEELER	1958	1,150	1,543	40	50	1,110	1,493	0	0	0	14	810
	1964	3,860	4,780	220	350	3,640	4,430	0	0	0	40	3,360
	1969	9,310	3,085	310	235	4,000	2,850	0	0	0	60	3,730
	1974	8,030	10,378	350	293	7,590	9,995	90	90	20	90	7,710
	1979	13,035	7,780	0	0	13,035	7,788	0	0	0	200	13,035
WICHITA	1958	10,790	24,445	10,790	24,445	0	0	0	0	0	0	0
	1964	18,007	25,807	18,007	25,807	0	0	0	0	0	0	0
	1969	19,610	28,138	19,460	27,888	150	250	0	0	0	2	150
	1974	20,150	29,038	20,000	28,788	150	250	0	0	0	2	150
	1979	20,941	27,517	20,941	27,517	0	0	0	0	0	2	0
WILBARGER	1958	6,285	5,735	0	0	6,285	5,735	0	0	0	153	5,633
	1964	10,175	11,328	1,775	1,942	8,400	9,383	0	0	0	180	8,575
	1969	11,156	12,106	1,776	1,732	9,380	10,374	0	0	0	380	9,756
	1974	11,510	17,433	1,550	1,700	9,960	15,733	0	0	0	650	10,110
	1979	14,575	24,793	875	768	13,700	24,025	0	0	0	497	13,860
WILLACY	1958	31,400	49,084	31,100	48,717	0	0	300	367	90	6	1,700
	1964	36,500	58,992	36,500	58,992	0	0	0	0	0	0	400
	1969	37,723	49,268	37,723	49,268	0	0	0	0	0	0	0
	1974	37,723	53,896	37,723	53,896	0	0	0	0	0	0	0
	1979	37,723	28,112	37,723	28,112	0	0	0	0	0	0	0



TABLE 1.--IRRIGATION SUMMARY FOR COUNTIES, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

COUNTY	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			IRRI-GATION WELLS	SPRINKLER SYSTEMS
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE- FEET	SURFACE SOURCE- PERCENT	NUMBER	ACRES
WILLIAMSON	1958	164	129	154	121	10	8	0	0	0	5	124
	1964	249	214	239	207	10	7	0	0	0	1	209
	1969	653	572	653	572	0	0	0	0	0	1	653
	1974	348	267	328	237	20	30	0	0	0	3	328
	1979	80	60	70	47	10	13	0	0	0	4	80
WILSON	1958	10,190	14,857	2,390	3,036	7,800	11,821	0	0	0	32	7,800
	1964	18,491	15,519	4,000	3,346	14,491	12,173	0	0	0	84	12,931
	1969	16,618	13,669	1,845	877	11,695	10,821	3,078	1,971	10	190	14,839
	1974	19,621	17,707	2,890	2,848	15,587	13,750	1,144	1,109	3	220	17,676
	1979	8,117	6,388	120	80	7,997	6,308	0	0	0	230	7,987
WINKLER	1958	530	934	0	0	530	934	0	0	0	4	530
	1964	470	1,664	0	0	470	1,664	0	0	0	3	470
	1969	1,360	5,382	0	0	1,360	5,382	0	0	0	12	1,320
	1974	1,843	3,466	0	0	1,843	3,466	0	0	0	12	1,803
	1979	1,240	4,797	0	0	1,240	4,797	0	0	0	12	1,240
WISE	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	491	269	463	255	28	14	0	0	0	3	491
	1969	525	324	525	324	0	0	0	0	0	4	525
	1974	1,515	757	1,115	557	400	200	0	0	0	5	1,515
	1979	1,070	535	960	480	110	55	0	0	0	5	1,070
WOOD	1958	213	95	203	89	10	6	0	0	0	3	203
	1964	360	189	230	124	0	0	130	65	50	4	360
	1969	460	160	450	155	10	5	0	0	0	3	460
	1974	50	13	40	10	10	3	0	0	0	3	50
	1979	0	0	0	0	0	0	0	0	0	3	0
YOAKUM	1958	38,370	67,910	0	0	38,370	67,910	0	0	0	421	34,144
	1964	68,500	61,825	0	0	68,500	61,825	0	0	0	1,030	57,800
	1969	88,740	74,295	0	0	88,740	74,295	0	0	0	1,100	88,740
	1974	102,340	138,651	0	0	102,340	138,651	0	0	0	1,127	101,540
	1979	121,910	122,912	0	0	121,910	122,912	0	0	0	1,200	121,310
YOUNG	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	292	213	222	120	70	93	0	0	0	3	292
	1969	453	261	322	178	131	83	0	0	0	4	326
	1974	774	337	460	169	314	168	0	0	0	10	774
	1979	5	1	0	0	5	1	0	0	0	13	5

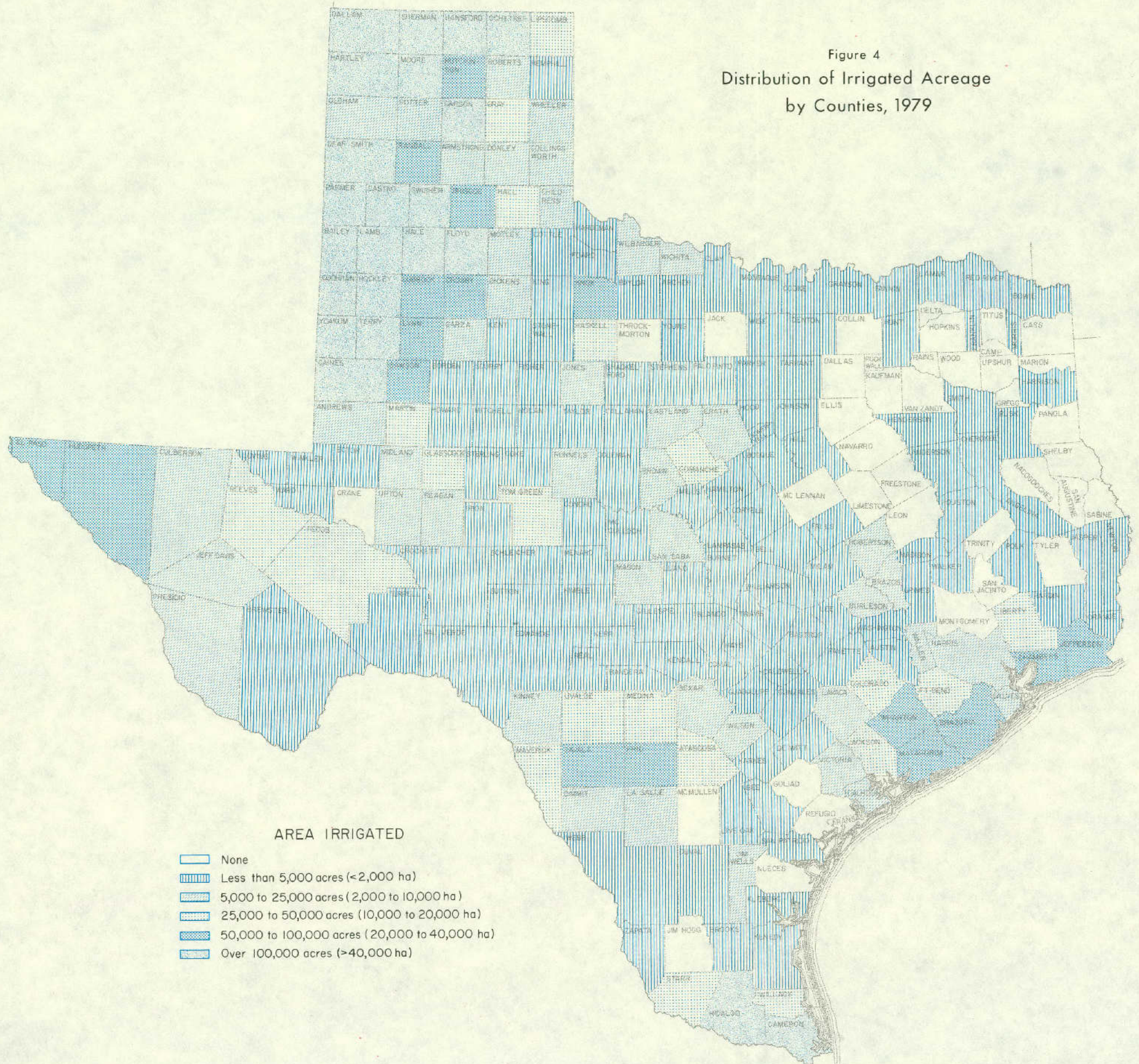
TABLE 1.--IRRIGATION SUMMARY FOR COUNTIES, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

COUNTY	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			IRRI-GATION WELLS	SPRINKLER SYSTEMS
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE- FEET	SURFACE SOURCE- PERCENT	NUMBER	ACRES
ZAPATA	1958	8,339	12,985	8,339	12,985	0	0	0	0	0	0	0
	1964	4,100	8,300	4,100	8,300	0	0	0	0	0	0	300
	1969	6,738	8,756	6,738	8,756	0	0	0	0	0	0	0
	1974	4,134	4,588	4,134	4,588	0	0	0	0	0	0	0
	1979	3,691	4,199	3,691	4,199	0	0	0	0	0	0	1,130
ZAVALA	1958	82,400	89,247	1,700	2,025	70,700	76,514	10,000	10,708	50	364	3,300
	1964	138,652	271,938	1,500	2,400	119,852	232,739	17,300	36,799	30	536	4,059
	1969	108,656	195,361	1,683	2,104	91,673	169,419	15,300	23,838	94	540	4,200
	1974	81,382	146,315	1,183	1,479	64,899	114,723	15,300	30,113	94	550	4,000
	1979	85,510	146,793	1,363	1,704	68,847	118,700	15,300	26,389	93	565	8,184
STATE TOTALS	1958	6,723,614	9,605,605	1,126,521	2,170,313	5,387,663	6,946,620	209,430	488,672	73	55,473	667,678
	1964	7,706,881	12,509,652	1,184,961	1,992,067	6,235,614	9,989,649	286,306	527,936	38	70,565	1,076,729
	1969	8,206,249	11,569,024	1,267,607	2,352,335	6,648,553	8,622,041	290,089	594,648	78	83,115	1,548,002
	1974	8,618,054	13,082,262	1,272,397	2,186,062	7,089,624	10,279,992	256,033	616,208	80	90,469	1,814,293
	1979	7,817,681	9,723,403	1,248,855	1,850,222	5,685,102	6,924,044	683,724	949,153	60	95,217	2,197,001





Figure 4  
 Distribution of Irrigated Acreage  
 by Counties, 1979







**TABLE 2**  
**IRRIGATION SUMMARY FOR RIVER AND COASTAL BASINS,**  
**1958, 1964, 1969, 1974, AND 1979**





TABLE 2.--IRRIGATION SUMMARY FOR RIVER AND COASTAL BASINS, 1958, 1964, 1969, 1974, AND 1979

BASIN AND ZONE	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES		SPRINKLER SYSTEMS	
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE- FEET	SURFACE SOURCE - PERCENT	ACRES
CANADIAN											
ZONE 1	1958	256,885	292,863	20	15	256,865	292,848	0	0	0	980
	1964	517,470	682,640	55	63	517,415	682,577	0	0	0	7,295
	1969	922,400	1,115,201	0	0	922,100	1,115,051	300	150	30	36,642
	1974	1,029,307	1,449,662	0	0	1,022,467	1,447,704	1,840	1,958	20	72,113
	1979	1,055,763	1,363,892	0	0	1,054,123	1,362,252	1,640	1,640	25	162,285
ZONE 2	1958	99,023	108,116	0	0	99,023	108,116	0	0	0	600
	1964	160,998	236,812	0	0	160,998	236,812	0	0	0	12,443
	1969	286,564	347,019	0	0	286,564	347,019	0	0	0	51,027
	1974	331,629	466,172	0	0	331,429	465,989	200	183	20	102,373
	1979	390,823	512,294	0	0	390,103	511,230	720	1,064	63	164,731
BASIN TOTAL	1958	355,908	400,979	20	15	355,888	400,964	0	0	0	1,580
	1964	678,468	919,452	55	63	678,413	919,389	0	0	0	19,738
	1969	1,208,964	1,462,220	0	0	1,208,664	1,462,070	300	150	30	87,669
	1974	1,355,936	1,915,834	0	0	1,353,896	1,913,693	2,040	2,141	20	174,486
	1979	1,446,586	1,876,186	0	0	1,444,226	1,873,482	2,360	2,704	40	327,016
PED											
ZONE 1	1958	1,036,783	1,184,866	0	0	1,036,783	1,184,866	0	0	0	1,412
	1964	1,066,445	1,683,909	0	0	1,065,665	1,682,694	780	1,215	35	12,280
	1969	996,172	1,465,122	0	0	991,022	1,457,894	5,150	7,228	45	14,649
	1974	1,108,689	1,638,513	160	244	1,107,239	1,636,753	1,290	1,516	64	33,748
	1979	892,707	1,011,129	350	325	888,547	1,005,317	3,810	5,487	64	69,356
ZONE 2	1958	238,264	288,317	40	50	238,224	288,267	0	0	0	40,509
	1964	293,011	337,693	780	821	292,231	336,872	0	0	0	50,725
	1969	295,639	331,398	1,456	1,444	294,183	329,954	0	0	0	65,716
	1974	317,883	370,317	1,377	1,735	316,416	368,492	90	90	20	80,929
	1979	255,944	219,589	772	601	247,923	212,705	7,249	6,283	37	85,354
ZONE 3	1958	12,701	26,554	11,290	24,812	1,411	1,742	0	0	0	0
	1964	36,158	45,191	20,037	28,319	16,121	16,872	0	0	0	10,611
	1969	31,573	38,917	22,230	30,440	9,343	8,477	0	0	0	4,130
	1974	34,450	39,858	22,982	31,678	11,408	8,125	60	55	50	5,442
	1979	26,818	31,760	22,141	28,491	4,407	3,140	270	129	55	2,174
ZONE 4	1958	6,183	5,225	5,050	4,094	573	382	560	749	48	2,562
	1964	5,753	6,118	3,568	3,407	997	656	1,188	2,055	32	3,295
	1969	4,703	4,252	2,847	2,430	821	480	1,035	1,342	31	2,775
	1974	4,070	4,473	2,492	2,452	1,175	1,783	403	238	61	2,160
	1979	8,154	8,380	6,755	6,941	1,008	1,243	391	196	50	5,962

TABLE 2.--IRRIGATION SUMMARY FOR RIVER AND COASTAL BASINS, 1958, 1964, 1969, 1974, AND 1979 --CONTINUED

BASIN AND ZONE	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES		SPRINKLER SYSTEMS	
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE- FEET	SURFACE SOURCE- PERCENT	ACRES
RED--CONTINUED											
BASIN TOTAL	1958	1,293,931	1,428,962	16,380	28,956	1,276,991	1,395,257	560	749	48	44,483
	1964	1,401,367	2,072,911	24,385	32,547	1,375,014	2,037,094	1,968	3,270	33	76,911
	1969	1,328,087	1,839,689	26,533	34,314	1,295,369	1,796,805	6,185	8,570	42	87,270
	1974	1,465,092	2,053,161	27,011	36,109	1,436,238	2,015,153	1,843	1,899	61	122,279
	1979	1,183,623	1,270,858	30,018	36,350	1,141,885	1,222,405	11,720	12,095	50	162,846
SULPHUR											
BASIN TOTAL	1958	882	376	527	201	105	33	250	142	33	682
	1964	640	308	228	120	154	80	258	108	40	207
	1969	486	240	245	129	41	11	200	100	20	286
	1974	0	0	0	0	0	0	0	0	0	0
	1979	250	63	250	63	0	0	0	0	0	0
CYPRESS											
BASIN TOTAL	1958	339	131	224	84	0	0	115	47	50	309
	1964	928	407	463	227	0	0	465	180	33	928
	1969	981	556	801	444	50	25	130	87	64	981
	1974	494	293	474	285	0	0	20	8	95	474
	1979	275	85	275	85	0	0	0	0	0	275
SABINE											
ZONE 1	1958	158	46	143	41	15	5	0	0	0	158
	1964	430	240	420	236	10	4	0	0	0	430
	1969	243	92	243	92	0	0	0	0	0	243
	1974	15	7	15	7	0	0	0	0	0	15
	1979	235	141	235	141	0	0	0	0	0	235
ZONE 2	1958	1,085	321	625	191	460	130	0	0	0	1,067
	1964	1,478	750	628	310	180	71	670	369	53	1,477
	1969	1,984	722	1,188	450	46	22	750	250	50	1,984
	1974	695	269	369	161	26	8	300	100	50	695
	1979	433	149	28	13	5	3	400	133	75	430



TABLE 2.--IRRIGATION SUMMARY FOR RIVER AND COASTAL BASINS, 1958, 1964, 1969, 1974, AND 1979 --CONTINUED

BASIN AND ZONE	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			SPRINKLER SYSTEMS	
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE- FEET	SURFACE SOURCE- PERCENT	ACRES	
SABINE--CONTINUED												
ZONE 3	1958	3	1	3	1	0	0	0	0	0	0	0
	1964	0	0	0	0	0	0	0	0	0	0	0
	1969	0	0	0	0	0	0	0	0	0	0	0
	1974	0	0	0	0	0	0	0	0	0	0	0
	1979	0	0	0	0	0	0	0	0	0	0	0
ZONE 4	1958	4,920	7,863	3,949	6,438	901	1,397	70	28	79	190	
	1964	5,097	14,471	4,154	12,462	933	2,002	10	7	50	10	
	1969	4,240	10,012	3,145	7,862	1,065	2,130	30	20	25	30	
	1974	4,229	9,747	3,145	7,862	1,059	1,868	25	17	25	25	
	1979	2,579	3,725	1,449	2,657	0	0	1,130	1,068	25	30	
BASIN TOTAL	1958	6,166	8,231	4,720	6,671	1,376	1,532	70	28	79	1,415	
	1964	7,005	15,461	5,202	13,008	1,123	2,077	680	376	52	1,917	
	1969	6,467	10,826	4,576	8,404	1,111	2,152	780	270	48	2,257	
	1974	4,939	10,023	3,529	8,030	1,085	1,876	325	117	46	735	
	1979	3,247	4,815	1,712	2,811	5	3	1,530	1,201	30	695	
NECHES												
ZONE 1	1958	2,552	1,058	2,407	973	145	85	0	0	0	2,476	
	1964	2,103	859	1,920	788	163	68	20	3	50	1,978	
	1969	2,184	973	2,146	936	36	36	2	1	60	1,714	
	1974	3,150	1,780	1,720	786	385	565	1,045	429	50	3,100	
	1979	468	764	173	70	230	564	65	130	50	438	
ZONE 2	1958	10,193	28,519	6,721	19,868	3,468	8,650	4	1	50	8	
	1964	6,519	15,879	5,301	13,443	1,218	2,436	0	0	0	10	
	1969	14,086	33,093	10,012	24,717	3,575	7,130	499	1,246	41	183	
	1974	14,220	34,199	10,049	24,784	3,673	8,170	498	1,245	42	155	
	1979	6,395	11,695	4,277	7,857	1,979	3,690	139	148	41	155	
BASIN TOTAL	1958	12,745	29,577	9,128	20,841	3,613	8,735	4	1	50	2,484	
	1964	6,622	16,738	7,221	14,231	1,381	2,504	20	3	50	1,988	
	1969	16,270	34,066	12,158	25,653	3,611	7,166	501	1,247	41	1,897	
	1974	17,370	35,979	11,769	25,570	4,058	8,735	1,543	1,674	44	3,255	
	1979	6,863	12,459	4,450	7,927	2,209	4,254	204	278	45	593	

TABLE 2.--IRRIGATION SUMMARY FOR RIVER AND COASTAL BASINS, 1958, 1964, 1969, 1974, AND 1979 --CONTINUED

BASIN AND ZONE	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES		SPRINKLER SYSTEMS	
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE- FEET	SURFACE SOURCE- PERCENT	ACRES
MECHES-TRINITY											
ZONE 1	1958	55,546	166,638	55,546	166,638	0	0	0	0	0	0
	1964	58,135	145,337	58,135	145,337	0	0	0	0	0	0
	1969	66,052	165,130	66,052	165,130	0	0	0	0	0	0
	1974	64,552	161,380	64,552	161,380	0	0	0	0	0	0
	1979	62,088	105,823	62,088	105,823	0	0	0	0	0	0
ZONE 2	1958	39,013	117,039	39,013	117,039	0	0	0	0	0	0
	1964	45,621	114,027	45,621	114,027	0	0	0	0	0	15
	1969	40,926	102,315	40,926	102,315	0	0	0	0	0	0
	1974	39,739	99,348	39,739	99,348	0	0	0	0	0	0
	1979	52,675	105,765	52,675	105,765	0	0	0	0	0	0
BASIN TOTAL	1958	94,559	283,677	94,559	283,677	0	0	0	0	0	0
	1964	103,756	259,364	103,756	259,364	0	0	0	0	0	15
	1969	106,978	267,445	106,978	267,445	0	0	0	0	0	0
	1974	104,291	260,728	104,291	260,728	0	0	0	0	0	0
	1979	114,763	211,588	114,763	211,588	0	0	0	0	0	0
TRINITY											
ZONE 1	1958	7,882	4,336	6,927	3,865	955	471	0	0	0	5,192
	1964	6,461	3,811	4,951	2,871	460	291	1,050	649	59	5,529
	1969	3,556	2,782	3,109	2,487	447	295	0	0	0	3,031
	1974	4,512	3,281	2,608	1,988	1,679	1,127	225	166	39	4,162
	1979	3,613	1,704	1,395	775	2,063	858	155	71	41	3,136
ZONE 2	1958	11,126	14,030	6,700	4,142	3,926	9,588	500	300	62	4,488
	1964	9,287	2,482	3,152	1,875	375	197	760	410	53	1,905
	1969	7,415	4,460	7,040	4,257	275	153	100	50	25	2,829
	1974	4,240	2,712	3,255	2,321	85	74	900	317	56	2,430
	1979	540	171	540	171	0	0	0	0	0	332
ZONE 3	1958	8,454	25,362	6,048	18,144	2,406	7,218	0	0	0	0
	1964	23,120	55,963	15,770	39,425	7,350	16,530	0	0	0	0
	1969	34,635	81,950	24,585	61,463	9,275	18,550	775	1,937	50	0
	1974	35,045	82,975	24,995	62,488	9,275	18,550	775	1,937	50	0
	1979	20,436	47,825	15,628	37,433	3,257	6,514	1,551	3,878	50	0
BASIN TOTAL	1958	27,462	43,728	19,675	26,151	7,287	17,277	500	300	62	9,680
	1964	33,868	62,256	23,873	44,171	8,185	17,026	1,810	1,059	56	7,434
	1969	45,606	89,192	34,734	68,207	9,997	18,998	875	1,987	49	5,860
	1974	43,797	88,968	30,858	66,797	11,039	19,751	1,900	2,420	50	6,592
	1979	24,589	49,700	17,563	38,379	5,320	7,372	1,706	3,949	49	3,468

TABLE 2.--IRRIGATION SUMMARY FOR RIVER AND COASTAL BASINS, 1958, 1964, 1969, 1974, AND 1979 --CONTINUED

BASIN AND ZONE	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES		SPRINKLER SYSTEMS	
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	SURFACE SOURCE-PERCENT	ACRES
TRINITY-SAN JACINTO											
BASIN TOTAL	1958	11,673	35,019	3,888	11,664	4,851	14,553	2,934	8,802	75	0
	1964	12,790	30,701	7,170	17,925	5,620	12,776	0	0	0	0
	1969	12,226	32,236	9,176	25,111	1,000	2,000	2,050	5,125	50	0
	1974	12,682	32,605	9,632	25,480	1,000	2,000	2,050	5,125	50	0
	1979	12,468	30,062	6,957	16,953	1,434	2,916	4,077	10,193	50	347
SAN JACINTO											
ZONE 1	1958	15,929	41,420	60	40	15,869	41,380	0	0	0	320
	1964	17,312	36,939	120	24	17,192	36,915	0	0	0	490
	1969	16,275	42,215	233	574	15,742	40,891	300	750	50	681
	1974	22,082	53,820	0	0	21,782	53,070	300	750	50	50
	1979	11,872	22,659	0	0	9,858	17,943	2,014	4,716	50	1,058
ZONE 2	1958	29,160	80,934	1,050	3,150	28,110	77,784	0	0	0	50
	1964	30,970	65,105	900	2,190	30,070	62,915	0	0	0	0
	1969	37,280	107,205	1,590	5,432	35,690	101,773	0	0	0	0
	1974	27,212	66,600	0	0	27,212	66,600	0	0	0	40
	1979	24,200	46,798	0	0	24,200	46,798	0	0	0	0
BASIN TOTAL	1958	45,089	122,354	1,110	3,190	43,979	119,164	0	0	0	370
	1964	48,282	102,044	1,020	2,214	47,262	99,830	0	0	0	490
	1969	53,555	149,420	1,823	6,006	51,432	142,664	300	750	50	681
	1974	49,294	120,420	0	0	48,994	119,670	300	750	50	90
	1979	36,072	69,457	0	0	34,058	64,741	2,014	4,716	50	1,058
SAN JACINTO-BRAZOS											
BASIN TOTAL	1958	59,595	199,897	50,650	175,800	7,845	20,247	1,100	3,850	20	200
	1964	70,350	168,383	62,090	151,965	7,360	14,393	900	2,025	25	150
	1969	74,211	232,544	63,721	205,990	8,990	21,929	1,500	4,625	50	0
	1974	64,924	171,430	57,074	152,463	5,800	13,500	2,050	5,467	50	0
	1979	73,219	157,790	68,563	148,754	3,520	6,669	1,136	2,367	65	200



TABLE 2.--IRRIGATION SUMMARY FOR RIVER AND COASTAL BASINS, 1958, 1964, 1969, 1974, AND 1979 --CONTINUED

BASIN AND ZONE	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES		SPRINKLER SYSTEMS	
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	SURFACE SOURCE-PERCENT	ACRES
BRAZOS											
ZONE 1	1958	2,488,870	2,823,402	0	0	2,488,870	2,823,402	0	0	0	74,961
	1964	2,544,792	4,100,554	50	88	2,544,742	4,100,466	0	0	0	166,675
	1969	2,427,465	2,918,843	1,401	1,100	2,424,564	2,915,960	1,500	1,783	14	332,714
	1974	2,546,465	3,639,406	621	534	2,538,409	3,627,016	7,435	11,856	66	391,310
	*1979	2,040,029	1,998,122	851	452	*1,603,088	*1,588,270	*436,090	*409,400	30	528,325
ZONE 2	1958	44,793	55,018	1,643	1,498	43,150	53,520	0	0	0	7,726
	1964	99,347	122,635	5,344	5,868	93,873	116,622	130	145	54	45,273
	1969	89,447	68,528	6,239	5,505	82,752	62,286	456	737	51	27,696
	1974	85,767	61,051	4,565	3,196	79,782	56,824	1,420	1,031	59	29,325
	1979	83,986	63,142	6,479	4,060	76,117	58,076	1,390	1,006	59	28,700
ZONE 3	1958	7,911	5,834	5,348	3,881	883	1,206	1,680	747	46	7,099
	1964	13,697	9,658	4,975	5,218	1,057	943	7,665	3,497	93	10,698
	1969	18,873	16,633	14,367	12,460	3,663	3,224	843	949	31	14,891
	1974	20,402	14,323	13,301	8,483	5,501	4,798	1,600	1,042	45	17,136
	1979	13,633	9,406	8,414	5,072	4,159	3,399	1,064	935	49	13,358
ZONE 4	1958	6,464	4,923	3,800	2,694	2,329	2,046	335	183	58	4,232
	1964	11,869	8,822	6,998	5,261	3,432	2,590	1,439	971	63	9,301
	1969	39,046	37,503	13,726	12,523	21,329	21,112	3,991	3,868	45	37,601
	1974	45,180	40,373	16,674	13,600	24,381	22,973	4,125	3,800	45	43,765
	1979	54,567	42,137	22,469	13,779	28,505	24,953	3,593	3,405	41	48,709
ZONE 5	1958	74,300	61,589	13,951	12,138	54,959	45,447	5,390	4,004	63	4,868
	1964	95,473	96,205	21,194	22,656	71,493	70,904	2,786	2,645	60	5,103
	1969	70,381	64,817	12,715	10,523	44,850	43,319	12,816	10,975	68	6,817
	1974	56,041	44,843	9,925	8,100	38,916	31,693	7,200	5,050	63	5,806
	1979	47,064	34,559	2,830	2,149	36,734	26,790	7,500	5,620	60	2,116
ZONE 6	1958	33,888	67,319	13,462	35,652	17,495	26,792	2,931	4,875	42	699
	1964	24,628	37,561	9,922	20,368	13,084	15,442	1,622	1,751	57	657
	1969	26,543	63,701	9,904	28,071	16,089	33,934	558	1,696	50	1,566
	1974	21,231	50,392	6,940	19,672	13,841	29,520	450	1,200	50	741
	1979	22,953	46,241	6,256	15,640	12,737	22,351	3,960	8,250	60	171
BASIN TOTAL	1958	2,656,226	3,018,085	38,204	55,863	2,607,686	2,952,413	10,336	9,809	51	99,585
	1964	2,789,806	4,375,435	48,483	59,459	2,727,681	4,306,967	13,642	9,009	72	237,707
	1969	2,671,755	3,170,025	58,352	70,182	2,593,247	3,079,835	20,156	20,808	54	421,285
	1974	2,775,086	3,850,388	52,026	53,585	2,700,830	3,772,824	22,230	23,979	60	488,083
	*1979	2,262,232	2,193,607	47,299	41,152	*1,761,336	*1,723,839	*453,597	*428,616	31	621,379

\*In 1979, rainfall runoff in playa lakes was used as a significant source of irrigation water in Crosby and Hale Counties.

TABLE 2.--IRRIGATION SUMMARY FOR RIVER AND COASTAL BASINS, 1958, 1964, 1969, 1974, AND 1979 --CONTINUED

BASIN AND ZONE	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES		SPRINKLER SYSTEMS	
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE- FEET	SURFACE SOURCE- PERCENT	ACRES
BRAZOS-COLORADO											
BASIN TOTAL	1958	32,797	86,833	21,700	65,450	8,297	18,483	2,800	2,900	21	500
	1964	51,167	163,689	34,518	130,060	16,330	32,513	319	1,116	75	350
	1969	70,799	237,807	39,793	154,419	30,606	82,155	400	1,233	50	590
	1974	64,893	213,863	37,353	134,229	17,960	49,577	9,580	30,057	59	1,645
	1979	73,744	196,375	39,310	120,065	22,409	49,287	12,025	27,023	51	6,587
COLORADO											
ZONE 1	1958	507,007	668,521	1,441	1,958	505,566	666,563	0	0	0	412,163
	1964	617,583	831,991	706	1,017	616,877	830,974	0	0	0	574,125
	1969	757,932	430,222	1,229	1,944	755,433	426,910	1,270	1,368	80	741,936
	1974	810,932	779,475	1,130	1,457	807,978	775,784	1,824	2,234	70	794,871
	1979	824,377	688,012	1,051	1,760	821,306	683,116	2,020	3,136	73	814,434
ZONE 2	1958	41,976	51,682	20,557	24,928	20,334	25,531	1,045	1,223	48	5,127
	1964	73,412	113,181	24,473	40,119	47,783	70,995	1,156	2,067	48	14,132
	1969	97,213	133,893	33,018	55,592	63,906	77,851	289	450	68	19,930
	1974	116,747	168,932	45,922	70,764	68,067	95,381	2,758	2,787	64	22,643
	1979	135,326	170,787	41,574	58,466	92,262	110,529	1,490	1,792	64	20,660
ZONE 3	1958	6,204	6,149	3,124	2,812	3,080	3,337	0	0	0	5,590
	1964	8,872	14,467	5,134	8,869	3,668	5,348	70	250	50	7,512
	1969	14,598	22,632	7,029	8,635	7,321	13,339	240	658	50	12,302
	1974	14,283	12,708	6,125	5,267	7,918	6,815	240	626	50	12,592
	1979	7,946	11,720	2,189	2,041	5,757	9,679	0	0	0	6,615
ZONE 4	1958	20,245	43,370	12,965	31,085	7,280	12,285	0	0	0	1,430
	1964	24,991	55,893	13,684	37,517	10,565	15,779	742	2,597	50	3,661
	1969	27,286	79,247	14,920	44,173	11,396	33,400	970	1,674	42	3,934
	1974	27,587	82,059	16,595	52,272	9,990	28,335	1,002	1,452	31	3,803
	1979	26,569	70,161	17,662	52,031	8,485	17,329	422	801	32	2,874
BASIN TOTAL	1958	575,392	769,722	38,087	60,783	536,260	707,716	1,045	1,223	48	424,310
	1964	724,858	1,015,532	43,997	87,522	678,893	923,096	1,968	4,914	49	599,430
	1969	897,021	665,994	56,196	110,344	838,056	551,500	2,769	4,150	58	778,102
	1974	969,549	1,043,174	69,772	129,760	893,953	906,315	5,824	7,099	58	833,909
	1979	994,218	940,680	62,476	114,298	927,810	820,653	3,932	5,729	65	844,583

TABLE 2.--IRRIGATION SUMMARY FOR RIVER AND COASTAL BASINS, 1958, 1964, 1969, 1974, AND 1979 --CONTINUED

BASIN AND ZONE	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES		SPRINKLER SYSTEMS	
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE- FEET	SURFACE SOURCE- PERCENT	ACRES
COLORADO-LAVACA											
BASIN TOTAL	1958	57,354	200,600	26,600	106,450	25,294	73,580	5,460	20,570	55	60
	1964	47,232	176,429	20,100	97,150	23,062	65,109	3,270	14,170	21	30
	1969	53,308	188,781	22,491	89,964	27,317	85,692	3,500	13,125	30	100
	1974	61,753	202,554	1,000	4,000	34,518	100,173	26,235	98,381	84	135
	1979	63,400	191,750	1,000	3,883	33,361	82,050	29,019	105,817	78	467
LAVACA											
BASIN TOTAL	1956	74,843	222,559	18,350	54,246	54,883	163,406	1,610	4,907	34	652
	1964	72,802	220,070	15,926	70,325	55,266	143,928	1,610	5,817	46	713
	1969	84,958	281,620	17,155	75,501	67,005	204,065	798	2,054	54	1,217
	1974	100,051	311,164	20,090	78,047	77,230	224,363	2,731	8,754	25	1,241
	1979	85,202	234,447	19,822	56,065	60,658	156,333	4,722	12,049	33	1,199
LAVACA-GUADALUPE											
BASIN TOTAL	1958	11,529	30,123	6,927	14,229	4,602	15,894	0	0	0	120
	1964	10,370	53,442	7,032	21,928	9,875	26,881	1,463	4,633	27	145
	1969	20,203	76,824	7,993	37,035	12,062	39,271	148	518	80	0
	1974	21,555	76,297	10,651	42,156	10,904	34,141	0	0	0	0
	1979	24,976	77,613	9,214	27,642	15,325	48,587	437	1,384	50	0
GUADALUPE											
ZONE 1	1958	755	1,029	438	592	317	437	0	0	0	679
	1964	1,255	1,796	795	1,124	460	672	0	0	0	1,105
	1969	2,036	2,137	1,169	1,235	867	902	0	0	0	1,807
	1974	1,303	904	894	602	409	302	0	0	0	1,207
	1979	1,067	1,418	703	569	364	849	0	0	0	962
ZONE 2	1958	2,758	3,003	2,068	2,224	690	779	0	0	0	1,961
	1964	2,935	3,131	1,344	1,450	1,591	1,681	0	0	0	1,991
	1969	2,300	2,326	1,113	1,011	1,187	1,315	0	0	0	1,789
	1974	3,740	3,487	2,804	2,628	936	859	0	0	0	3,386
	1979	2,367	1,288	1,713	991	654	297	0	0	0	1,760

TABLE 2.--IRRIGATION SUMMARY FOR RIVER AND COASTAL BASINS, 1958, 1964, 1969, 1974, AND 1979 --CONTINUED

BASIN AND ZONE	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			SPRINKLER SYSTEMS
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE- FEET	SURFACE SOURCE- PERCENT	ACRES
GUADALUPE--CONTINUED											
ZONE 3	1958	5,242	5,860	2,918	2,945	2,324	2,915	0	0	0	3,794
	1964	4,746	5,260	1,997	2,040	2,749	3,220	0	0	0	3,765
	1969	4,782	4,096	2,004	1,657	2,767	2,429	11	10	50	3,724
	1974	5,021	4,129	1,680	1,364	3,291	2,723	50	42	50	4,334
	1979	4,890	2,249	2,253	861	2,587	1,371	50	17	50	4,129
ZONE 4	1958	1,538	1,165	1,008	755	400	381	130	29	50	918
	1964	1,890	1,358	315	249	1,445	993	130	108	50	1,328
	1969	751	1,131	140	201	611	930	0	0	0	383
	1974	1,239	1,232	466	257	773	975	0	0	0	834
	1979	861	1,590	236	196	625	1,394	0	0	0	466
BASIN TOTAL	1958	10,293	11,057	6,432	6,516	3,731	4,512	130	29	50	7,352
	1964	10,826	11,537	4,451	4,863	6,245	6,566	130	108	50	8,189
	1969	9,869	9,690	4,426	4,104	5,432	5,576	11	16	50	7,703
	1974	11,303	9,752	5,844	4,851	5,409	4,859	50	42	50	9,761
	1979	9,185	6,545	4,905	2,617	4,230	3,911	50	17	50	7,337
SAN ANTONIO											
ZONE 1	1958	32,320	46,518	11,020	15,203	21,300	31,315	0	0	0	3,100
	1964	30,643	60,838	14,089	26,727	16,554	34,111	0	0	0	3,171
	1969	31,069	42,224	6,575	7,667	9,359	17,387	15,135	17,170	69	2,314
	1974	29,886	37,118	14,472	14,774	15,414	22,344	0	0	0	6,230
	1979	28,281	43,311	13,115	18,916	15,166	24,395	0	0	0	5,025
ZONE 2	1958	6,777	6,190	2,555	1,948	4,222	4,242	0	0	0	4,365
	1964	19,737	17,760	6,342	5,453	13,285	12,209	110	98	50	11,558
	1969	19,123	15,264	4,721	2,384	12,269	11,514	2,133	1,366	10	14,863
	1974	20,402	20,984	6,179	6,498	13,399	13,687	824	799	4	16,460
	1979	7,329	7,141	669	832	6,660	6,309	0	0	0	6,348
BASIN TOTAL	1958	39,097	52,708	13,575	17,151	25,522	35,557	0	0	0	7,465
	1964	50,380	78,598	20,431	32,180	29,839	46,320	110	98	50	14,729
	1969	50,192	57,488	11,296	10,051	21,628	28,901	17,268	18,536	64	17,177
	1974	50,288	58,102	20,651	21,272	28,813	36,031	824	799	4	22,690
	1979	35,610	50,452	13,784	19,748	21,826	30,704	0	0	0	11,373



TABLE 2.--IRRIGATION SUMMARY FOR RIVER AND COASTAL BASINS, 1958, 1964, 1969, 1974, AND 1979 --CONTINUED

BASIN AND ZONE	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES		SPRINKLER SYSTEMS	
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	SURFACE SOURCE-PERCENT	ACRES
<b>SAN ANTONIO-NUECES</b>											
BASIN TOTAL	1958	13,110	14,415	0	0	13,110	14,415	0	0	0	30
	1964	16,328	7,557	0	0	16,113	7,414	215	143	20	1,055
	1969	12,797	5,986	105	80	12,692	5,906	0	0	0	313
	1974	12,909	6,318	30	20	12,879	6,298	0	0	0	320
	1979	2,596	1,760	34	34	2,562	1,726	0	0	0	34
<b>NUECES</b>											
ZONE 1	1958	189,469	229,277	12,014	18,109	159,405	191,979	18,050	19,189	51	46,997
	1964	290,618	496,278	17,190	32,687	248,065	413,065	25,363	50,526	32	79,341
	1969	304,155	483,418	19,808	36,828	258,778	409,182	25,569	37,408	66	105,060
	1974	291,406	460,670	17,863	33,071	246,816	380,180	26,727	47,419	74	118,667
	1979	290,617	451,429	24,888	36,492	244,564	381,026	21,165	33,911	77	137,209
ZONE 2	1958	8,700	9,537	1,680	1,271	6,520	7,862	500	404	50	1,670
	1964	17,570	11,147	7,355	5,450	9,431	5,069	784	628	47	3,011
	1969	16,570	7,642	5,390	2,833	9,680	4,184	1,508	625	50	4,265
	1974	8,393	4,528	860	540	7,533	3,988	0	0	0	2,770
	1979	3,292	1,717	180	140	3,112	1,577	0	0	0	880
BASIN TOTAL	1958	198,169	238,814	13,694	19,380	165,925	199,841	18,550	19,593	50	48,667
	1964	308,188	507,425	24,545	38,137	257,496	418,134	26,147	51,154	32	82,352
	1969	320,725	491,060	25,198	39,661	268,458	413,366	27,069	38,033	65	109,325
	1974	299,799	465,198	18,723	33,611	254,349	384,168	26,727	47,419	74	121,437
	1979	293,909	453,146	25,068	36,632	247,676	382,603	21,165	33,911	77	138,089
<b>NUECES-RIO GRANDE</b>											
ZONE 1	1958	7,823	4,115	4,190	2,601	3,633	1,514	0	0	0	4,498
	1964	10,825	7,135	3,337	1,266	7,488	5,869	0	0	0	7,088
	1969	13,297	6,837	1,430	664	11,867	6,173	0	0	0	11,396
	1974	11,574	6,836	240	100	11,254	6,683	80	53	60	11,454
	1979	10,572	4,735	60	40	10,432	4,642	80	53	60	10,252
ZONE 2	1958	830	622	0	0	830	622	0	0	0	780
	1964	480	376	0	0	480	376	0	0	0	480
	1969	1,100	588	400	200	700	388	0	0	0	1,100
	1974	960	483	400	192	568	291	0	0	0	960
	1979	400	158	400	158	0	0	0	0	0	400

TABLE 2.--IRRIGATION SUMMARY FOR RIVER AND COASTAL BASINS, 1958, 1964, 1969, 1974, AND 1979 --CONTINUED

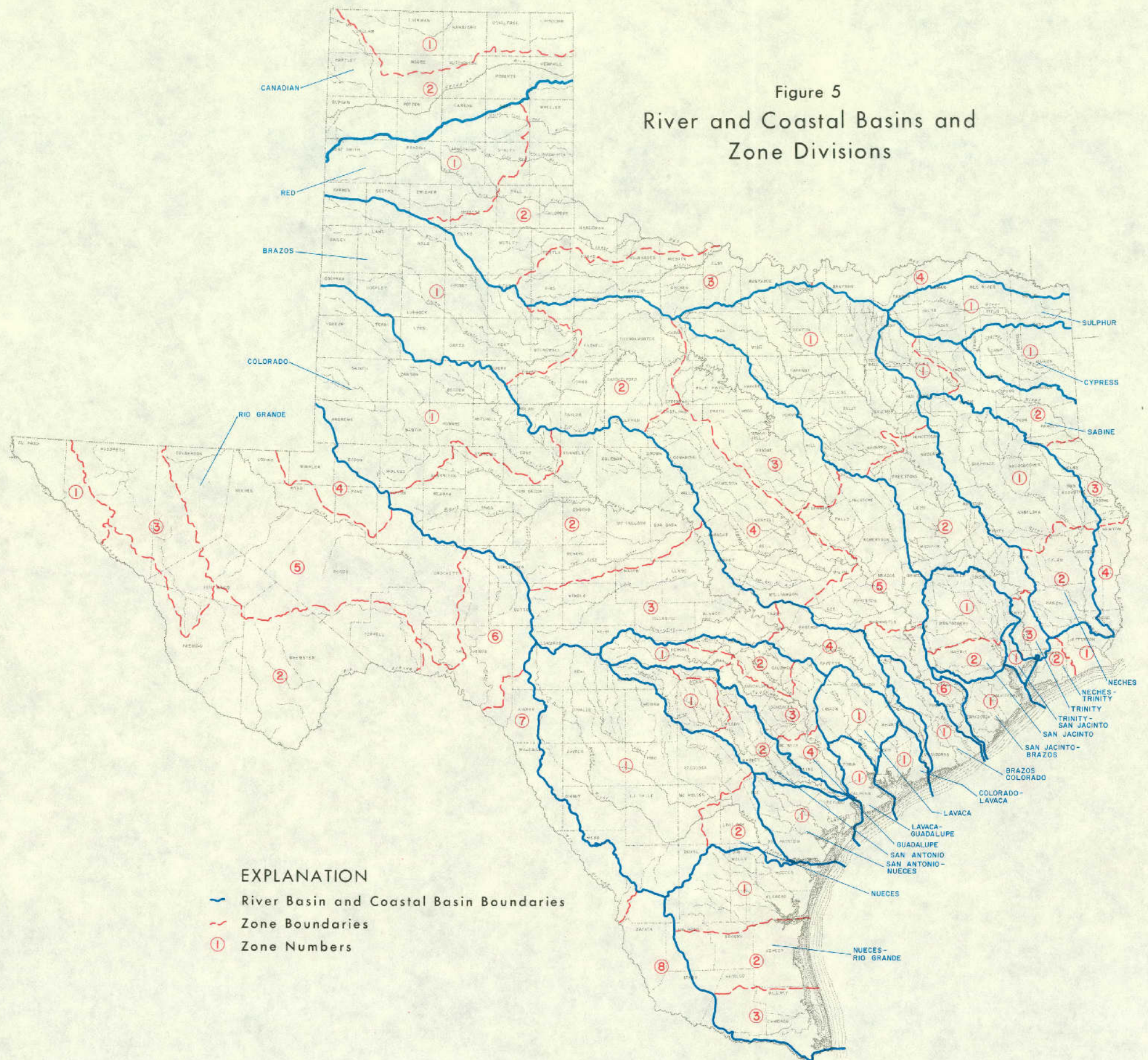
BASIN AND ZONE	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES		SPRINKLER SYSTEMS	
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE- FEET	SURFACE SOURCE- PERCENT	ACRES
NUECES-RIO GRANDE--CONTINUED											
ZONE 3	1958	762,264	1,266,661	682,081	1,119,120	6,516	11,589	73,667	135,952	62	9,700
	1964	741,771	865,795	653,471	741,545	2,900	3,400	85,400	120,850	52	9,000
	1969	750,015	1,038,848	680,015	951,598	5,000	6,800	65,000	81,250	75	6,000
	1974	744,723	1,016,833	679,723	926,700	5,000	6,333	60,000	83,000	85	6,000
	1979	737,723	878,520	671,723	798,770	6,000	6,750	60,000	73,000	95	7,000
BASIN TOTAL	1958	770,917	1,271,398	686,271	1,121,721	10,979	13,725	73,667	135,952	62	14,978
	1964	753,076	873,306	656,808	742,811	10,868	9,645	85,400	120,850	52	16,568
	1969	764,412	1,046,273	681,845	952,462	17,567	12,561	65,000	81,250	75	18,496
	1974	757,257	1,023,352	680,363	926,992	16,814	13,307	60,000	83,053	84	18,414
	1979	748,695	883,413	672,183	798,968	16,432	11,392	60,080	73,053	94	17,652
RIO GRANDE											
ZONE 1	1958	62,395	214,037	0	0	976	4,681	61,419	209,356	88	0
	1964	64,200	156,098	0	0	1,600	4,828	62,600	151,270	14	10
	1969	71,274	252,316	0	0	1,193	4,685	70,081	247,631	98	300
	1974	67,825	214,389	150	250	1,180	4,055	66,495	210,084	98	448
	1979	63,815	191,602	0	0	510	1,760	63,305	189,842	98	90
ZONE 2	1958	5,778	21,094	290	868	228	517	5,260	19,709	77	56
	1964	6,751	20,382	256	945	1,030	2,530	5,465	16,987	77	96
	1969	6,696	26,640	178	445	793	3,230	5,725	22,965	85	0
	1974	6,620	24,010	83	249	670	2,551	5,867	21,210	81	10
	1979	6,962	28,957	4,935	23,916	1,522	3,702	505	1,339	95	380
ZONE 3	1958	31,595	102,977	0	0	31,595	102,977	0	0	0	1,150
	1964	41,810	124,124	0	0	41,810	124,124	0	0	0	1,240
	1969	31,371	122,183	0	0	31,371	122,183	0	0	0	440
	1974	42,435	166,616	0	0	42,435	166,616	0	0	0	2,800
	1979	72,860	212,540	0	0	72,860	212,540	0	0	0	27,514
ZONE 4	1958	690	1,151	0	0	690	1,151	0	0	0	690
	1964	0	0	0	0	0	0	0	0	0	0
	1969	1,752	5,458	0	0	1,752	5,458	0	0	0	1,712
	1974	1,983	3,613	0	0	1,983	3,613	0	0	0	1,963
	1979	1,555	5,267	0	0	1,555	5,267	0	0	0	1,505
ZONE 5	1958	220,313	731,816	11,255	34,321	190,678	652,512	18,300	44,983	57	400
	1964	245,444	806,648	7,451	13,228	225,127	749,261	12,866	44,159	16	2,724
	1969	145,656	565,015	399	1,228	128,414	504,734	16,843	59,053	44	3,004
	1974	136,800	529,420	254	735	119,227	462,955	17,319	65,730	50	2,312
	1979	66,698	231,350	433	1,098	56,191	197,543	10,074	32,709	77	15,300

TABLE 2.--IRRIGATION SUMMARY FOR RIVER AND COASTAL BASINS, 1958, 1964, 1969, 1974, AND 1979 --CONTINUED

BASIN AND ZONE	YEAR	ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES		SPRINKLER SYSTEMS	
		ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE- FEET	SURFACE SOURCE- PERCENT	ACRES
RIO GRANDE--CONTINUED											
ZONE 6	1958	1,762	3,128	0	0	1,722	3,003	40	125	50	280
	1964	2,767	5,304	0	0	2,767	5,304	0	0	0	813
	1969	3,184	5,167	0	0	3,184	5,167	0	0	0	1,007
	1974	2,235	2,839	0	0	2,235	2,839	0	0	0	546
	1979	1,075	1,175	0	0	1,075	1,175	0	0	0	555
ZONE 7	1958	33,771	40,791	30,036	36,151	3,535	4,460	200	180	30	80
	1964	55,150	142,863	48,850	131,003	6,300	11,860	0	0	0	0
	1969	71,763	155,273	64,252	141,337	7,511	13,936	0	0	0	130
	1974	63,089	128,271	56,964	117,342	6,125	10,929	0	0	0	668
	1979	53,632	78,529	48,479	69,247	5,087	9,123	66	159	20	2,329
ZONE 8	1958	19,234	25,366	14,219	19,934	15	15	5,000	5,417	80	100
	1964	81,650	123,188	16,650	26,621	0	0	65,000	96,567	60	800
	1969	64,683	86,990	17,183	23,819	0	0	47,500	63,171	75	200
	1974	53,805	63,501	53,805	63,501	0	0	0	0	0	0
	1979	55,362	61,942	55,362	61,942	0	0	0	0	0	4,130
BASIN TOTAL	1958	375,538	1,140,360	55,800	91,274	229,439	769,316	90,299	279,770	82	2,756
	1964	497,772	1,378,607	73,207	171,797	278,634	897,907	145,931	308,903	32	5,683
	1969	396,379	1,219,042	82,012	166,829	174,218	659,393	140,149	392,820	85	6,793
	1974	374,792	1,132,659	111,256	182,077	173,855	653,558	89,681	297,024	86	8,747
	1979	321,959	811,362	109,209	156,203	138,800	431,110	73,950	224,049	95	51,803
STATE TOTAL	1958	6,723,614	9,605,605	1,126,521	2,170,313	5,387,663	6,946,620	209,430	488,672	71	667,678
	1964	7,706,881	12,509,652	1,184,961	1,992,067	6,235,614	9,989,649	286,306	527,936	37	1,076,729
	1969	8,206,249	11,569,024	1,267,607	2,352,335	6,648,553	8,622,041	290,089	594,648	77	1,548,002
	1974	8,618,054	13,082,262	1,272,397	2,186,062	7,089,624	10,279,992	256,033	616,208	80	1,814,293
	1979	7,817,681	9,723,413	1,248,855	1,850,225	5,885,102	6,924,037	683,724	949,151	59	2,197,001



Figure 5  
River and Coastal Basins and  
Zone Divisions







**TABLE 3**  
**IRRIGATION SUMMARY FOR SOIL AND WATER**  
**CONSERVATION DISTRICTS, 1979**



TABLE 3--IRRIGATION SUMMARY FOR SOIL & WATER CONSERVATION DISTRICTS - 1979

DISTRICT		ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			SPRINKLER SYSTEMS
NO.	NAME	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE- FEET	SURFACE SOURCE- PERCENT	ACRES
104	FLOYD COUNTY	277,295	176,968	0	0	277,295	176,968	0	0	0	4,002
107	RIO BLANCO	*52,800	43,088	0	0	*2,072	*2,380	*50,728	*40,708	54	10,160
108	LUBBOCK COUNTY	95,395	25,980	0	0	90,045	8,313	5,350	17,667	78	15,530
109	HALL-CHILDRESS	35,147	27,459	0	0	35,147	27,459	0	0	0	28,268
110	TULE CREEK	132,624	157,952	0	0	132,624	157,952	0	0	0	8,500
111	BLACKWATER VALLEY	182,338	252,185	0	0	182,338	252,185	0	0	0	103,224
115	UPPER COLORADO	4,856	5,836	361	940	4,495	4,896	0	0	0	3,776
119	LYNN COUNTY	64,559	38,290	300	175	63,959	37,815	300	300	75	18,060
120	KING-STONEMALL	665	516	150	100	515	416	0	0	0	283
124	DAWSON COUNTY	56,700	9,700	0	0	56,700	9,700	0	0	0	56,700
125	GRAY COUNTY	31,683	27,546	0	0	31,683	27,546	0	0	0	7,164
126	CAP ROCK	65,776	95,349	252	315	65,524	95,034	0	0	0	4,887
127	DONLEY COUNTY	17,128	8,379	0	0	17,128	8,379	0	0	0	11,166
129	HOCKLEY COUNTY	100,500	45,016	0	0	100,500	45,016	0	0	0	91,964
130	LAMB COUNTY	296,600	320,033	0	0	296,600	320,033	0	0	0	125,000
131	DALLAM	220,515	323,346	0	0	220,515	323,346	0	0	0	148,950
132	HALE COUNTY	*386,891	356,948	0	0	*0	*0	*386,891	*356,948	24	28,000
133	SALT FORK	6,081	2,882	40	22	6,041	2,860	0	0	0	5,236
134	LIPSCOMB	33,180	38,417	0	0	32,880	38,267	300	150	20	28,790
136	RUNNING WATER	368,650	411,731	0	0	368,650	411,731	0	0	0	16,150
137	MOORE COUNTY	233,725	304,033	0	0	233,725	304,033	0	0	0	5,830
138	HEMPHILL COUNTY	4,357	6,899	0	0	4,117	6,675	240	224	40	4,357

\*In 1979, rainfall runoff in playa lakes was used as a significant source of irrigation water in Crosby and Hale Counties.



TABLE 3--IRRIGATION SUMMARY FOR SOIL &amp; WATER CONSERVATION DISTRICTS - 1979 CONTINUED

DISTRICT		ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			SPRINKLER SYSTEMS
NO.	NAME	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	SURFACE SOURCE-PERCENT	ACRES
140	PARMER	417,986	592,806	0	0	417,696	592,289	290	517	30	57,630
141	WHEELER COUNTY	13,035	7,789	0	0	13,035	7,789	0	0	0	13,035
142	OCHILTREE	120,000	108,717	0	0	120,000	108,717	0	0	0	4,260
143	TIERRA BLANCA	294,500	315,706	0	0	294,500	315,706	0	0	0	18,750
145	ROBERTS	11,634	14,184	0	0	11,634	14,184	0	0	0	3,230
146	HUTCHINSON	80,389	102,539	0	0	80,389	102,539	0	0	0	1,100
147	PALO DURO	74,446	79,955	350	325	72,496	78,020	1,600	1,610	65	3,580
148	HANSFORD	251,750	390,678	0	0	251,110	390,038	640	640	20	4,776
149	COCHRAN	105,195	28,095	0	0	105,195	28,095	0	0	0	104,318
150	YOAKUM	121,910	122,912	0	0	121,910	122,912	0	0	0	121,310
151	TERRY	166,336	57,712	0	0	166,136	57,645	200	67	50	165,330
152	HARTLEY	200,000	251,416	0	0	200,000	251,416	0	0	0	65,000
153	OLDHAM COUNTY	16,830	16,722	0	0	16,830	16,722	0	0	0	1,030
155	STAKED PLAINS	24,370	12,837	0	0	24,370	12,837	0	0	0	1,660
156	MCCLELLAN CREEK	134,050	160,365	0	0	134,050	160,365	0	0	0	3,790
157	DUCK CREEK	13,751	4,123	420	112	13,331	4,011	0	0	0	7,844
158	GARZA	11,900	11,894	0	0	11,900	11,894	0	0	0	480
159	SHERMAN COUNTY	231,000	268,267	0	0	230,300	267,417	700	850	30	57,735
160	CANADIAN RIVER	15,240	20,715	0	0	12,840	16,515	2,400	4,200	70	2,160
161	BOARD COUNTY	4,820	5,300	0	0	4,820	5,300	0	0	0	4,820
162	LOWER PEASE RIVER	4,380	1,419	180	60	4,200	1,359	0	0	0	890
163	COTTLE	1,455	1,298	0	0	1,455	1,298	0	0	0	963

TABLE 3--IRRIGATION SUMMARY FOR SOIL & WATER CONSERVATION DISTRICTS - 1979 CONTINUED

DISTRICT		ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			SPRINKLER SYSTEMS
NO.	NAME	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE- FEET	SURFACE SOURCE- PERCENT	ACRES
164	UPPER PEASE	7,544	2,975	40	37	7,504	2,938	0	0	0	7,164
165	UPPER CLEAR FORK	2,715	2,519	240	167	1,865	1,826	610	526	54	1,330
166	GAINES COUNTY	359,670	413,032	0	0	359,670	413,032	0	0	0	359,670
ZONE I TOTAL		5,352,371	5,672,528	2,333	2,253	4,899,789	5,245,868	450,249	424,407	30	1,737,852
201	CONCHO	26,511	42,600	13,628	27,627	11,923	13,792	960	1,181	66	895
205	EL PASO-HUDSPETH	103,644	339,143	0	0	40,087	148,633	63,557	190,510	98	2,560
206	MIDDLE CLEAR FORK	1,638	936	505	253	1,133	683	0	0	0	1,093
207	MITCHELL	2,940	2,525	150	150	2,790	2,375	0	0	0	2,940
208	NORTH CONCHO RIVER	33,498	39,695	130	271	33,368	39,424	0	0	0	1,303
209	TOYAH-LIMPIA	23,832	81,042	0	0	16,189	59,288	7,643	21,754	80	6,420
210	HIGHLAND	17,277	43,193	4,838	23,600	12,439	19,593	0	0	0	11,465
212	ELDORADO DIVIDE	5,158	8,076	2,850	5,949	2,108	1,881	200	246	66	1,991
213	UPPER PECOS	16,771	63,229	375	986	13,965	51,288	2,431	10,955	73	6,245
214	SAN SABA-BRADY	8,347	7,435	4,804	4,695	3,543	2,740	0	0	0	3,479
215	MENARD COUNTY	3,254	2,431	3,154	2,348	100	83	0	0	0	120
216	KENDALL	84	101	15	23	69	78	0	0	0	50
217	KERR COUNTY	921	1,294	670	541	251	753	0	0	0	850
218	PEDERNALES	263	196	87	76	176	120	0	0	0	187
219	COKE COUNTY	316	554	88	132	228	422	0	0	0	316
220	GILLESPIE COUNTY	1,176	1,433	356	529	820	904	0	0	0	796
221	WUECES-FRIO-SABINAL	39,612	78,105	1,500	1,890	36,912	74,215	1,200	2,000	15	12,261
222	EDWARDS PLATEAU	569	826	124	196	445	630	0	0	0	236

TABLE 3--IRRIGATION SUMMARY FOR SOIL &amp; WATER CONSERVATION DISTRICTS - 1979 CONTINUED

DISTRICT		ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			SPRINKLER SYSTEMS
NO.	NAME	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE- FEET	SURFACE SOURCE- PERCENT	ACRES
223	MASON COUNTY	6,957	14,867	125	178	6,832	14,689	0	0	0	6,951
224	DEVIL'S RIVER	870	1,350	620	1,130	250	220	0	0	0	230
225	UPPER LLANOS	1,012	513	880	430	132	83	0	0	0	648
226	MEDINA VALLEY	38,050	65,370	13,250	21,733	24,800	43,637	0	0	0	5,985
227	BIG BEND	248	627	97	316	151	311	0	0	0	0
228	MAVERICK	40,400	61,097	40,400	61,097	0	0	0	0	0	0
229	BANDERA	258	532	200	432	58	100	0	0	0	207
230	HIGH POINT	22,592	50,381	0	0	22,339	49,710	253	671	95	13,959
231	TRANS-PECOS	26,497	90,650	38	76	26,459	90,574	0	0	0	3,151
232	RUNNELS	5,498	6,465	4,030	4,837	1,138	1,263	330	365	60	2,508
233	LLANO COUNTY	982	1,359	231	289	751	1,070	0	0	0	957
234	MIDDLE CONCHO	39,040	47,776	1,556	2,882	37,484	44,894	0	0	0	1,053
235	CROCKETT	909	1,305	0	0	909	1,305	0	0	0	909
236	WEST NUECES-LAS MORAS	7,566	12,862	2,500	3,500	5,000	9,203	66	159	20	413
237	R GRANDE-PECOS RIVER	20	62	0	0	20	62	0	0	0	0
238	UPPER NUECES-FRIO	780	513	630	405	150	108	0	0	0	551
240	CHAPARAL	1,630	2,240	0	0	1,630	2,240	0	0	0	640
241	SANDHILLS	3,280	3,692	0	0	2,910	3,373	370	319	90	3,280
242	MUSTANG	27,004	17,947	0	0	27,004	17,947	0	0	0	26,564
243	HOWARD	791	855	16	24	775	831	0	0	0	781
244	MIDLAND	17,745	24,571	0	0	16,545	22,071	1,200	2,500	75	14,100
245	NOLAN COUNTY	2,002	2,399	365	623	1,602	1,729	35	47	30	1,765

TABLE 3--IRRIGATION SUMMARY FOR SOIL & WATER CONSERVATION DISTRICTS - 1979 CONTINUED

DISTRICT		ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			SPRINKLER SYSTEMS
NO.	NAME	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE- FEET	SURFACE SOURCE- PERCENT	ACRES
286	ANDREWS	9,207	9,132	0	0	8,957	8,882	250	250	50	9,207
ZONE 2 TOTAL		539,149	1,129,379	98,212	167,218	362,442	731,204	78,495	230,957	94	147,066
301	WILSON COUNTY	8,117	6,388	120	80	7,997	6,308	0	0	0	7,987
304	HAYS-CALDWELL-TRAVIS	537	379	364	280	173	99	0	0	0	450
306	COMAL-HAYS-GUADALUPE	5,515	3,020	2,993	1,406	2,522	1,614	0	0	0	4,350
307	ATASCOSA COUNTY	31,175	55,800	175	134	31,000	55,666	0	0	0	31,175
311	NUEC.-J WELLS-KLEBERG	6,775	3,024	60	40	6,635	2,931	80	53	60	4,995
313	BURLESON-LEE	11,828	8,890	285	193	11,543	8,697	0	0	0	240
316	MATAGORDA COUNTY	56,759	206,232	22,743	88,303	8,184	21,059	25,832	96,870	84	3,924
317	COASTAL PLAINS	26,627	55,255	6,856	17,140	19,771	38,115	0	0	0	1,070
318	WATERS DAVIS	78,241	165,770	67,963	147,254	4,457	6,389	5,821	12,127	59	1,630
319	SOUTHMOST	287,445	330,067	287,445	330,067	0	0	0	0	0	0
320	DIMMIT COUNTY	9,099	14,059	1,137	1,705	5,612	8,903	2,350	3,451	20	678
321	AGUA POQUITA	4,752	2,208	0	0	4,752	2,208	0	0	0	4,432
322	DOS RIOS	13,055	10,707	1,820	1,378	9,695	8,333	1,540	996	27	13,055
323	LIVE OAK	1,010	673	120	80	890	593	0	0	0	420
324	SAN PATRICIO	2,123	1,374	94	94	2,029	1,280	0	0	0	94
325	FRIO	68,404	76,685	40	27	67,589	75,583	775	1,075	60	60,234
326	WINTER GARDEN	90,504	154,292	6,247	9,028	68,957	118,875	15,300	26,389	93	8,204
328	LOMA BLANCA	285	123	0	0	285	123	0	0	0	285
329	COPANO BAY	0	0	0	0	0	0	0	0	0	0
330	ALAMO	24,051	35,251	13,521	19,418	10,530	15,833	0	0	0	6,119



TABLE 3--IRRIGATION SUMMARY FOR SOIL &amp; WATER CONSERVATION DISTRICTS - 1979 CONTINUED

DISTRICT		ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			SPRINKLER SYSTEMS
NO.	NAME	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE- FEET	SURFACE SOURCE- PERCENT	ACRES
331	MONTE MUCHO	0	0	0	0	0	0	0	0	0	0
332	STARR COUNTY	25,576	25,909	25,576	25,909	0	0	0	0	0	0
333	COLORADO	45,685	154,255	27,746	97,112	13,257	41,926	4,682	15,217	21	25
334	LAVACA	9,054	26,780	40	33	8,773	26,560	241	187	49	1,054
335	ZAPATA	3,691	4,199	3,691	4,199	0	0	0	0	0	1,130
336	JACKSON	41,489	131,382	0	0	38,709	120,995	3,280	10,387	26	176
337	WEBB	4,979	3,556	4,979	3,556	0	0	0	0	0	1,849
338	GONZALES COUNTY	2,060	646	660	187	1,350	442	50	17	50	1,880
339	DE WITT COUNTY	440	147	60	20	380	127	0	0	0	440
340	BASTROP COUNTY	25	15	25	15	0	0	0	0	0	0
341	FAYETTE	2,229	926	1,075	398	1,009	455	145	73	12	2,084
342	WHARTON COUNTY	85,175	163,195	26,160	56,180	47,415	84,265	11,600	22,750	61	1,425
343	KARNES-GOLIAD	582	1,220	32	10	550	1,210	0	0	0	582
344	BEE	575	467	0	0	575	467	0	0	0	0
345	CALHOUN	12,196	35,843	9,214	27,642	2,982	8,201	0	0	0	0
346	VICTORIA	7,874	25,836	176	176	7,698	25,660	0	0	0	176
347	AUSTIN COUNTY	4,050	10,016	0	0	4,050	10,016	0	0	0	0
348	WASHINGTON	20	20	0	0	20	20	0	0	0	0
349	WILLACY	37,723	28,112	37,723	28,112	0	0	0	0	0	0
350	HILDAGO	438,650	552,175	372,650	472,425	6,000	6,750	60,000	73,000	95	10,000
ZONE 3 TOTAL		1,448,375	2,294,896	921,790	1,332,601	394,889	699,703	131,696	262,592	77	170,163
401	NACOGDOCHES	0	0	0	0	0	0	0	0	0	0

TABLE 3--IRRIGATION SUMMARY FOR SOIL &amp; WATER CONSERVATION DISTRICTS - 1979 CONTINUED

DISTRICT		ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			SPRINKLER SYSTEMS
NO.	NAME	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE- FEET	SURFACE SOURCE- PERCENT	ACRES
404	DAVY CROCKETT-TRINITY	0	0	0	0	0	0	0	0	0	0
408	BOWIE COUNTY	2,282	6,496	1,842	5,526	440	970	0	0	0	140
412	HARRISON COUNTY	5	3	0	0	5	3	0	0	0	5
415	LAMAR	205	68	205	68	0	0	0	0	0	205
417	UPSHUR-GREGG	0	0	0	0	0	0	0	0	0	0
419	SULPHUR-CYPRESS	525	148	525	148	0	0	0	0	0	275
421	ANDERSON-HOUSTON	352	86	352	86	0	0	0	0	0	237
422	TRINITY-NECHES	210	35	0	0	210	35	0	0	0	0
423	RED RIVER COUNTY	1,080	366	1,000	333	80	33	0	0	0	1,080
424	FREESTONE-LEON	0	0	0	0	0	0	0	0	0	0
425	MONTGOMERY-WALKER	30	8	30	8	0	0	0	0	0	30
426	NECHES-SABINE	595	226	195	93	0	0	400	133	75	580
427	CHEROKEE COUNTY	131	152	66	22	0	0	65	130	50	131
428	BEDIAS CREEK	108	59	108	59	0	0	0	0	0	0
429	PINEY WOODS	0	0	0	0	0	0	0	0	0	0
431	BRAZOS-ROBERTSON	30,690	22,850	2,550	1,959	20,640	15,271	7,500	5,620	60	805
432	COASTAL	58,172	96,953	58,172	96,953	0	0	0	0	0	0
433	MARION-CASS	0	0	0	0	0	0	0	0	0	0
434	TRINITY BAY	59,090	116,180	59,090	116,180	0	0	0	0	0	0
435	LOWER TRINITY	32,400	78,716	22,061	55,153	4,572	9,144	5,767	14,419	50	0
436	POLK-SAN JACINTO	85	82	65	22	20	60	0	0	0	85
437	LOWER NECHES	1,731	3,174	0	0	1,731	3,174	0	0	0	0

TABLE 3--IRRIGATION SUMMARY FOR SOIL &amp; WATER CONSERVATION DISTRICTS - 1979 CONTINUED

DISTRICT		ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			SPRINKLER SYSTEMS
NO.	NAME	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE- FEET	SURFACE SOURCE- PERCENT	ACRES
438	UPPER NECHES	225	563	0	0	225	563	0	0	0	225
439	LONG LEAF	0	0	0	0	0	0	0	0	0	0
440	NAVASOTA	17,157	25,401	0	0	17,157	25,401	0	0	0	1,580
441	JASPER-NEWTON	1,265	1,188	35	70	0	0	1,230	1,118	25	165
442	HARRIS	22,844	49,933	1,977	4,943	18,953	40,524	1,914	4,466	50	405
443	DELTA	0	0	0	0	0	0	0	0	0	0
444	WOOD	0	0	0	0	0	0	0	0	0	0
445	HOPKINS-RAINS	0	0	0	0	0	0	0	0	0	0
446	LOWER SABINE-NECHES	1,739	3,189	1,739	3,189	0	0	0	0	0	0
447	RUSK	10	3	5	2	5	1	0	0	0	7
448	PANOLA	0	0	0	0	0	0	0	0	0	0
449	SHELBY	0	0	0	0	0	0	0	0	0	0
ZONE 4 TOTAL		230,931	405,879	150,017	284,814	64,038	95,179	16,876	25,886	51	5,955
501	LIMESTONE-FALLS	3,946	2,649	0	0	3,946	2,649	0	0	0	496
504	ELLIS-PRAIRIE	0	0	0	0	0	0	0	0	0	0
505	KAUFMAN-VAN ZANDT	0	0	0	0	0	0	0	0	0	0
506	HAMILTON-CORYELL	1,040	604	760	464	190	95	90	45	50	890
508	LITTLE RIV-S GABRIEL	360	167	350	154	10	13	0	0	0	330
509	CENTRAL TEXAS	590	301	550	268	40	33	0	0	0	535
512	MCLENNAN COUNTY	0	0	0	0	0	0	0	0	0	0
513	TAYLOR	230	167	110	87	0	0	120	80	70	230
514	NAVARRO	0	0	0	0	0	0	0	0	0	0

TABLE 3--IRRIGATION SUMMARY FOR SOIL & WATER CONSERVATION DISTRICTS - 1979 CONTINUED

DISTRICT		ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			SPRINKLER SYSTEMS
NO.	NAME	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE- FEET	SURFACE SOURCE- PERCENT	ACRES
517	CENTRAL COLORADO	3,455	4,235	2,855	3,875	600	360	0	0	0	3,184
518	PALO PINTO	308	55	308	55	0	0	0	0	0	308
519	DALWORTH	266	219	181	181	0	0	85	38	25	219
520	FANNIN COUNTY	3,148	787	3,148	787	0	0	0	0	0	3,148
522	BOSQUE	4,571	3,635	2,755	1,986	1,476	1,326	340	323	60	4,556
523	BROWN-MILLS	9,849	7,369	8,887	6,510	962	859	0	0	0	1,982
524	UPPER ELM-RED	3,246	1,449	724	289	1,791	802	731	358	52	2,916
525	UPPER LEON	56,743	45,127	21,686	13,808	30,971	27,402	4,086	3,917	41	51,120
529	HOOD-PARKER	4,395	2,237	4,099	2,088	185	93	111	56	50	4,135
530	UPPER SABINE	155	103	155	103	0	0	0	0	0	155
531	LOWER CLEAR FK BRAZOS	1,665	1,309	1,139	919	366	295	160	95	38	1,305
532	LITTLE WICHITA	669	485	425	323	244	162	0	0	0	469
534	HILL COUNTRY	201	237	120	61	81	176	0	0	0	170
535	COLLIN COUNTY	0	0	0	0	0	0	0	0	0	0
537	WILBARGER	14,575	24,793	875	768	13,700	24,025	0	0	0	13,860
538	WICHITA	20,941	27,517	20,941	27,517	0	0	0	0	0	0
539	YOUNG	5	1	0	0	5	1	0	0	0	5
540	HILL COUNTY-BLACKLAND	800	101	390	33	410	68	0	0	0	800
541	JOHNSON COUNTY	50	13	0	0	50	13	0	0	0	0
542	MILLER-BRAZOS	1,777	794	0	0	1,777	794	0	0	0	532
543	THROCKMORTON	0	0	0	0	0	0	0	0	0	0
544	WICHITA-BRAZOS	68,000	51,283	0	0	68,000	51,283	0	0	0	19,630

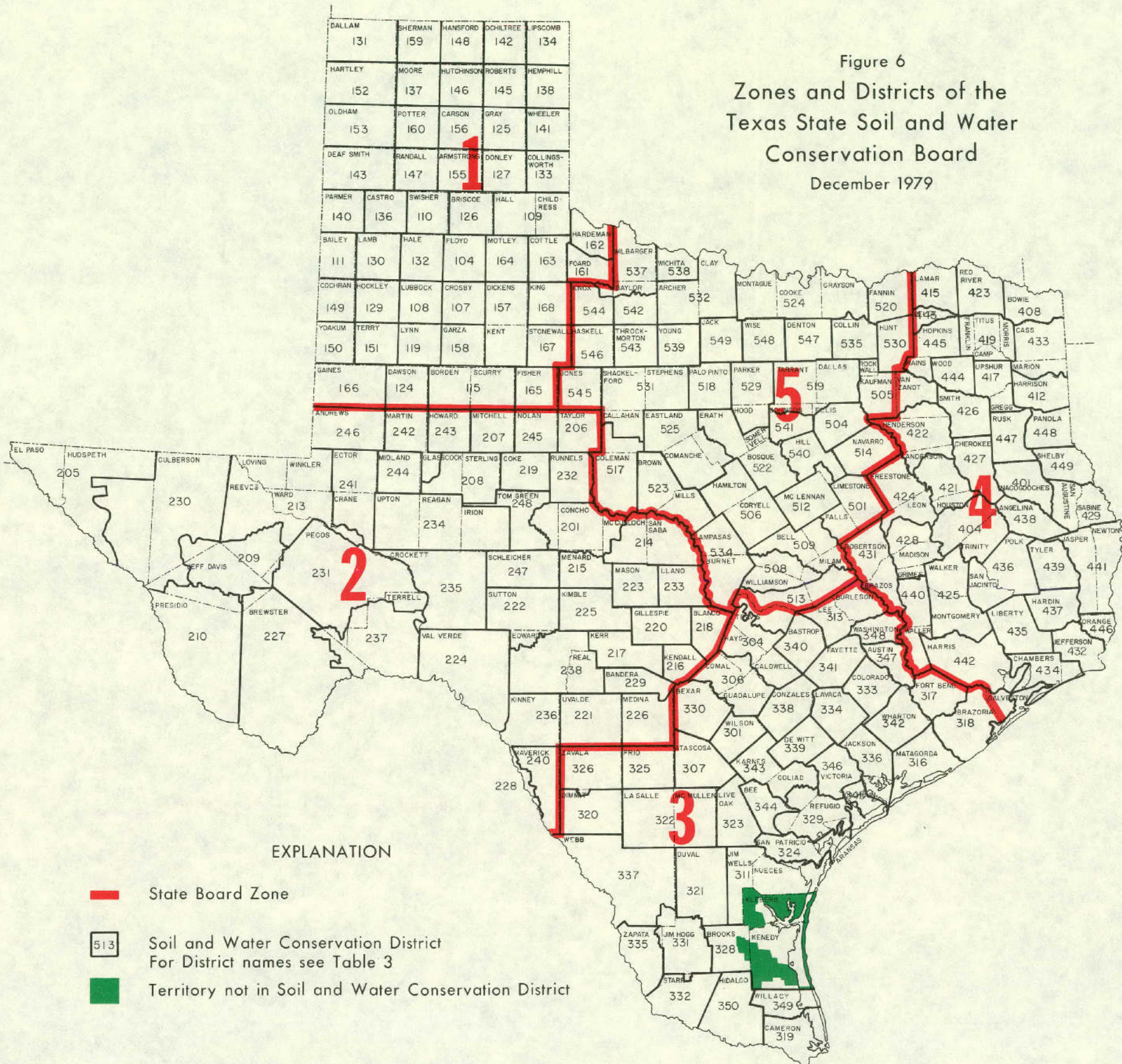


TABLE 3--IRRIGATION SUMMARY FOR SOIL & WATER CONSERVATION DISTRICTS - 1979 CONTINUED

DISTRICT		ALL IRRIGATION		SURFACE-WATER IRRIGATION ONLY		GROUND-WATER IRRIGATION ONLY		IRRIGATION USING COMBINED SUPPLIES			SPRINKLER SYSTEMS
NO.	NAME	ACRES	ACRF-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	ACRES	ACRE-FEET	SURFACE SOURCE-PERCENT	ACRES
545	CALIFORNIA CREEK	8,970	5,562	4,315	2,142	3,970	3,023	685	397	76	3,510
546	HASKELL	34,070	38,287	340	275	33,680	38,012	0	0	0	18,600
547	DENTON	470	209	30	8	440	201	0	0	0	470
548	WISE	1,070	535	960	480	110	55	0	0	0	1,070
549	UPPER WEST FORK	0	0	0	0	0	0	0	0	0	0
ZONE 5 TOTAL		245,515	220,230	76,103	63,181	163,004	151,740	6,408	5,309	46	134,625
NOT IN DISTRICTS		1,340	501	400	158	940	343	0	0	0	1,340
STATE TOTALS		7,817,681	9,723,413	1,248,855	1,850,225	5,885,102	6,924,037	683,724	949,151	59	2,197,001



Figure 6  
Zones and Districts of the  
Texas State Soil and Water  
Conservation Board  
December 1979



EXPLANATION

- █ State Board Zone
- 513 Soil and Water Conservation District  
For District names see Table 3
- █ Territory not in Soil and Water Conservation District





**TABLE 4**  
**COUNTY ACREAGES OF IRRIGATED CROPS,**  
**1958, 1964, 1969, 1974, AND 1979**





TABLE 9.—COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979

IRRIGATED CROPS	ANDERSON					ANDREWS				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	900	842	400	550	0	600	7,325	1,729	3,790	8,857
GRAIN SORGHUM	500	0	200	400	0	400	70	400	1,213	0
CORN	20	0	0	80	80	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	50	50	0	0	0
OTHER GRAIN (D)	0	0	0	0	0	50	0	0	0	0
FORAGE CROPS	25	50	0	40	0	200	220	0	0	0
PEANUTS	130	0	200	430	0	0	10	90	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	15	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	30	0	0	0	0	0	0
ALFALFA	100	12	0	0	0	0	10	20	200	200
OTHER PERM. HAY-PASTURE	75	215	0	120	0	0	665	150	150	150
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	5	0	0	0	0	0	0
VEGETABLES—SHALLOW ROOT	25	0	0	70	112	0	0	0	0	0
VEGETABLES—DEEP ROOT	(C)	5	160	173	68	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	50	0	0	0	0	150	275	0	0	0
TOTAL CROP ACRES IRRIG.	1,825	1,124	960	1,906	275	1,450	8,625	2,389	5,353	9,207

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES—SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	ANGELINA					ARANSAS				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	0	0	0	0	0	0	0	0	0	0
GRAIN SORGHUM	0	0	0	0	0	0	0	0	0	0
CORN	0	0	0	0	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	0	0	0	0
OTHER GRAIN (D)	0	0	0	0	0	0	0	0	0	0
FORAGE CROPS	20	20	0	0	0	0	0	0	0	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	0	0	0	0	0	0	0	0	0	0
OTHER PERM. HAY-PASTURE	18	20	39	185	225	0	0	0	0	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	12	0	7	0	0	0	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	4	7	0	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	11	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	61	44	53	185	225	0	0	0	0	0

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	ARCHER					ARMSTRONG				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	0	0	0	0	0	1,940	908	1,237	1,400	2,100
GRAIN SORGHUM	125	0	0	0	0	14,018	15,535	8,135	8,475	8,000
CORN	0	0	0	0	0	50	200	1,560	854	770
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	150	100	200	200	0	7,100	10,345	13,536	14,369	12,330
OTHER GRAIN (D)	0	100	95	95	0	90	300	0	50	40
FORAGE CROPS	225	100	300	300	0	1,163	250	600	600	600
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	50
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	80
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	0	0	0	0	0	440	237	250	350	320
OTHER PERM. HAY-PASTURE	0	200	200	200	200	0	200	200	250	80
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	15	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	37	0	0	0	0
TOTAL CROP ACRES IRRIG.	500	500	795	795	200	24,845	27,975	25,518	26,348	24,370

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964



TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	ATASCOSA					AUSTIN				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	1,500	650	200	30	32	155	105	0	0	0
GRAIN SORGHUM	800	1,200	500	500	300	95	0	0	0	0
CORN	1,200	75	0	0	0	50	40	0	0	50
RICE	0	0	0	0	0	2,108	2,895	3,812	3,606	4,000
WHEAT	0	0	120	1,500	500	0	0	0	0	0
OTHER GRAIN (D)	0	2,725	0	0	0	0	140	0	0	0
FORAGE CROPS	3,000	600	3,240	3,000	3,000	160	75	245	0	0
PEANUTS	4,500	10,532	17,625	18,600	18,600	150	0	0	0	0
SOYBEANS	(A)	(A)	0	60	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	125	150	80	80	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	200	200	200	0	0	0	0	0
ALFALFA	0	100	320	0	70	15	60	0	0	0
OTHER PERM. HAY-PASTURE	3,000	11,500	7,550	9,500	9,000	225	963	612	57	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	200	1,100	450	600	600	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	6,500	2,385	785	1,335	1,335	0	14	0	0	0
VEGETABLES--DEEP ROOT	(C)	2,200	3,035	3,600	3,600	(C)	0	40	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	3,000	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	23,900	33,192	34,175	39,005	37,317	2,958	4,292	4,717	3,663	4,050

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.—COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979—CONTINUED.

IRRIGATED CROPS	BAILEY					BANDERA				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	68,210	60,000	50,000	44,000	62,485	0	0	0	0	0
GRAIN SORGHUM	50,570	60,000	55,000	50,000	6,450	0	0	30	0	0
CORN	3,010	3,000	9,000	32,500	27,244	0	29	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	2,500	10,000	4,200	3,000	16,304	0	0	0	0	0
OTHER GRAIN (D)	800	500	6,000	2,100	5,600	0	68	57	0	16
FORAGE CROPS	2,500	3,000	8,000	5,000	28,000	0	102	57	0	39
PEANUTS	7	0	50	200	115	0	0	0	0	0
SOYBEANS	(A)	(A)	750	700	2,500	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	9,000	50	1,000	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	8	0	0	51
OTHER ORCHARD + VINEYARD	0	0	0	100	0	0	4	5	5	0
ALFALFA	6,500	5,000	8,000	15,000	12,500	0	6	74	0	0
OTHER PERM. HAY—PASTURE	3,550	5,110	5,000	6,400	4,000	0	76	140	122	152
SUGAR BEETS	(A)	(A)	700	42	0	(A)	(A)	0	0	0
IRISH POTATOES	800	700	100	1,143	1,000	0	0	0	0	0
VEGETABLES—SHALLOW ROOT	3,003	500	200	100	300	0	0	0	0	0
VEGETABLES—DEEP ROOT	(C)	400	1,600	5,313	1,640	(C)	0	2	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	5,500	2,000	0	870	1,200	0	22	0	0	0
TOTAL CROP ACRES IRRIG.	147,000	150,210	157,600	166,518	190,338	0	315	373	127	258

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
 (B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES—SHALLOW ROOT  
 (D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	BASTROP					BAYLOR				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	250	0	320	0	0	2,167	2,200	2,213	2,000	880
GRAIN SORGHUM	0	100	225	450	0	751	1,626	1,862	1,750	280
CORN	150	70	90	0	0	0	0	0	0	65
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	790	2,160	2,015	2,310	106
OTHER GRAIN (D)	150	80	0	0	0	0	0	100	100	0
FORAGE CROPS	0	940	265	315	0	0	160	360	360	0
PEANUTS	25	0	100	100	0	40	110	100	100	104
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	15	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	11	0	0	0	0	0	0	0
ALFALFA	0	200	350	400	25	0	60	200	200	80
OTHER PERM. HAY-PASTURE	410	800	1,990	1,930	0	0	90	370	400	262
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	15	15	0	0	0	0	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	150	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	1,150	2,300	3,351	3,195	25	3,756	6,406	7,220	7,220	1,777

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACRESAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	BEE					BELL				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	446	190	437	30	200	385	144	132	120	0
GRAIN SORGHUM	316	465	1,986	3,380	0	55	349	156	224	0
CORN	94	0	50	100	150	132	60	0	47	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	0	0	150	0
OTHER GRAIN (D)	0	0	0	0	0	160	210	0	320	0
FORAGE CROPS	194	1,005	22	190	0	55	0	150	125	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	50	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	40	40	0
ALFALFA	0	0	0	0	0	350	310	60	60	0
OTHER PERM. HAY-PASTURE	224	1,443	799	570	0	15	566	1,014	1,160	775
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	56	0	922	300	225	10	110	0	0	0
VEGETABLES--DEEP ROOT	(C)	400	30	0	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	10	0	13	0	0	5	0	0	0	0
TOTAL CROP ACRES IRRIG.	1,340	3,503	4,309	4,570	575	1,175	1,749	1,552	2,246	775

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964



TABLE 4.—COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979—CONTINUED

IRRIGATED CROPS	BEYAR					BLANCO				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	860	0	0	0	0	0	0	0	0	0
GRAIN SORGHUM	6,480	6,465	5,344	5,387	3,843	0	0	0	0	0
CORN	5,000	2,930	4,164	1,978	6,247	5	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	417	368	0	0	0	0	0	0
OTHER GRAIN (D)	7,860	9,832	6,230	1,669	900	140	200	10	0	0
FORAGE CROPS	3,500	6,670	4,952	2,871	1,128	0	250	70	89	114
PEANUTS	0	500	1,176	441	803	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	60	96	96	85	(B)	0	0	0	76
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	0	60	40	0	0	80	20	6	0	0
OTHER PERM. HAY—PASTURE	1,640	7,465	8,274	9,284	9,897	0	75	59	118	73
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	100	600	595	0	0	0	0	0	0
VEGETABLES—SHALLOW ROOT	14,400	4,806	4,360	4,122	540	0	0	0	0	0
VEGETABLES—DEEP ROOT	(C)	4,850	4,066	6,350	868	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	39,660	43,738	39,719	33,161	24,311	225	545	145	207	263

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES—SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	BORDEN					BOSQUE				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	1,250	1,250	1,380	720	280	0	8	0	0	0
GRAIN SORGHUM	150	0	0	0	0	10	50	584	0	520
CORN	0	0	0	0	0	30	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	0	0	0	0
OTHER GRAIN (D)	400	0	0	0	0	50	300	0	360	22
FORAGE CROPS	0	0	0	0	0	0	75	149	105	0
PEANUTS	0	0	0	0	0	55	8	450	0	440
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	0	50	11	11	0	220	0	170	253	0
OTHER PERM. HAY-PASTURE	0	100	10	10	11	90	844	2,100	2,129	201
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES-SHALLOW ROOT	0	0	0	0	0	4	0	0	0	0
VEGETABLES-DEEP ROOT	(C)	0	0	0	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	56	0	0	0
TOTAL CROP ACRES IRRIG.	1,800	1,400	1,401	741	291	459	1,341	3,453	2,847	1,183

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES-SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	BOWIE					BRAZORIA				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	2,082	1,280	580	630	0	5,050	1,625	1,199	0	0
GRAIN SORGHUM	0	0	0	0	0	0	0	0	0	0
CORN	1,098	200	0	0	0	0	1,725	1,000	0	0
RICE	500	901	665	922	2,142	45,725	52,955	67,361	59,368	65,468
WHEAT	0	0	0	0	0	0	0	0	0	0
OTHER GRAIN (D)	0	0	0	0	0	0	0	0	0	0
FORAGE CROPS	15	20	0	0	0	0	0	0	0	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	200	0	140	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	15	0	0	0	0	0	0	0	0	0
ALFALFA	250	0	0	0	0	0	0	0	0	0
OTHER PERM. HAY-PASTURE	825	255	127	0	0	0	0	0	0	0
SUGAR BEETS	(A)	(A)	0	158	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	57	0	11	0	0	520	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	10	29	0	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	16	220	0	0	0	0	50	0	0	1,630
TOTAL CROP ACRES IRRIG.	4,858	2,886	1,612	1,710	2,282	51,295	56,355	69,560	59,368	67,098

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 2.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	BRAZOS					BREWSTER				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	11,600	15,520	14,380	8,400	10,480	204	0	0	0	0
GRAIN SORGHUM	2,855	3,600	2,550	0	0	18	0	0	0	0
CORN	525	600	600	0	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	0	0	0	0
OTHER GRAIN (D)	390	520	0	0	0	0	0	0	0	0
FORAGE CROPS	320	1,640	100	100	150	0	20	0	0	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	1,350	0	20	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	12
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	65	134
OTHER ORCHARD + VINEYARD	0	0	0	100	0	0	0	0	0	5
ALFALFA	500	2,250	0	0	0	12	83	0	83	0
OTHER PERM. HAY-PASTURE	1,410	700	1,410	100	300	0	12	0	0	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	0	0	0	0	50
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	0	0	0	47
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	300	0	0	0	105	0	0	0
TOTAL CROP ACRES IRRIG.	17,600	24,830	20,690	8,700	10,950	234	220	0	148	248

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964



TABLE 4.—COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979—CONTINUED

IRRIGATED CROPS	BRISCOE					BROOKS				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	12,190	16,320	13,780	14,000	25,252	70	160	110	0	125
GRAIN SORGHUM	20,380	35,875	19,910	26,160	12,000	0	220	240	555	0
CORN	1,100	0	600	2,900	10,000	40	300	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	19,270	16,135	20,400	15,282	15,000	0	0	0	0	0
OTHER GRAIN (D)	240	95	217	0	0	0	130	0	0	0
FORAGE CROPS	1,420	1,050	5,521	5,500	5,000	350	260	240	115	0
PEANUTS	0	0	156	61	61	0	0	0	0	0
SOYBEANS	(A)	(A)	2,530	3,300	12,000	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	1,800	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	160	100	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	200	65	107	100	300	0	0	0	0	0
OTHER PERM. HAY-PASTURE	0	300	1,000	150	200	70	1,140	400	1,296	130
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES—SHALLOW ROOT	0	220	0	90	0	0	0	80	100	0
VEGETABLES—DEEP ROOT	(C)	0	0	160	100	(C)	560	900	553	30
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	200	140	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	55,000	70,200	64,221	67,703	80,913	690	2,870	1,970	2,619	285

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
 (B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES—SHALLOW ROOT  
 (D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.—COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979—CONTINUED

IRRIGATED CROPS	BROWN					BURLESON				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	110	0	0	0	0	10,440	12,396	12,215	13,781	10,900
GRAIN SORGHUM	552	0	0	0	90	0	5,959	700	50	0
CORN	184	0	0	0	0	0	40	1,025	50	20
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	30	0	0	890	0	0	0	0	0
OTHER GRAIN (D)	0	767	841	0	310	0	0	0	0	0
FORAGE CROPS	0	1,060	1,200	1,241	150	0	0	0	50	0
PEANUTS	0	0	446	446	700	0	0	0	60	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	60
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	200	1,248	1,798	1,798	(B)	0	0	130	420
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	31
ALFALFA	184	300	0	0	45	0	40	0	0	0
OTHER PERM. HAY-PASTURE	1,472	2,090	6,731	7,531	3,921	20	170	0	84	25
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES-SHALLOW ROOT	74	50	0	0	0	0	0	0	100	0
VEGETABLES-DEEP ROOT	(C)	500	0	0	0	(C)	0	0	130	7
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	1,120	0	0	0	0	0	0	100	200	150
TOTAL CROP ACRES IRRIG.	3,696	4,997	10,466	11,016	7,904	10,460	18,605	14,040	14,635	11,613

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
 (B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES-SHALLOW ROOT  
 (D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 9.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	BURNET					CALDWELL				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	0	0	0	0	0	168	95	0	0	0
FRAIN SORGHUM	0	0	0	0	0	0	20	108	140	0
CORN	0	0	0	0	0	90	160	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	0	0	0	0
OTHER GRAIN (D)	250	185	131	0	0	30	90	0	0	0
FORAGE CROPS	0	130	131	0	0	177	195	100	1,125	0
PEANUTS	0	0	0	0	0	0	0	0	0	87
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	190	185	0	0	(B)	0	0	15	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	0	0	0	0	0	275	0	100	0	0
OTHER PERM. HAY-PASTURE	180	291	624	690	81	275	190	67	455	250
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	40	30	0	0	0
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	70	0	7	20	0
TOTAL CROP ACRES IRRIG.	430	796	1,071	690	81	1,125	780	382	1,755	337

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	CALHOUN					CALLEAHAN				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	2,738	629	256	0	0	0	0	0	0	0
CRAIN SORGHUM	1,149	983	70	0	0	0	60	0	0	0
CORN	0	0	0	0	0	0	0	0	0	0
PICE	2,912	5,230	8,101	11,019	12,196	0	0	0	0	0
WHEAT	0	0	0	0	0	0	35	0	0	0
OTHER GRAIN (D)	0	0	0	0	0	0	0	61	0	0
ORAGE CROPS	0	60	0	0	0	0	0	30	0	0
PEANUTS	0	0	0	0	0	0	30	495	800	865
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	0	0	0	0	0	0	10	0	0	0
OTHER PERM. HAY-PASTURE	1,148	725	405	0	0	0	184	416	625	290
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	0	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	7,997	7,627	8,832	11,019	12,196	0	319	1,002	1,425	1,155

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964



TABLE 9.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	CAMERON					CAMP				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	138,380	139,600	120,000	100,000	123,000	0	0	0	0	0
GRAIN SORGHUM	17,300	56,000	108,000	122,000	29,500	0	0	0	0	0
CORN	1,200	3,000	5,000	5,000	18,378	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	0	0	0	0
OTHER GRAIN (D)	1,200	0	0	0	0	0	0	0	0	0
FORAGE CROPS	3,100	2,000	3,000	5,000	20,000	0	0	0	0	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	20,000	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	7,900	8,800	20,000	22,000	20,000	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	150	0	0	0
ALFALFA	1,800	1,000	0	0	500	0	0	0	0	0
OTHER PERM. HAY-PASTURE	14,020	27,200	11,000	12,000	15,000	0	190	285	0	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	200	200	0	400	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	100,375	24,800	10,000	7,445	10,000	2	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	33,700	10,445	6,300	10,000	(C)	0	2	0	0
SUGAR CANE	0	0	0	(A)	8,500	0	0	0	(A)	0
ALL OTHER CROPS	2,350	0	0	7,300	20,000	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	287,825	296,300	287,445	287,445	294,878	2	340	287	0	0

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	CARSON					CASS				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	1,201	1,600	200	0	103	0	0	0	0	0
GRAIN SORGHUM	32,456	57,065	43,000	50,329	44,182	0	0	0	0	0
CORN	53	500	7,000	2,974	10,828	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	28,121	38,185	70,000	70,531	67,668	0	0	0	0	0
OTHER GRAIN (D)	100	300	200	2,229	277	0	0	0	0	0
FORAGE CROPS	1,120	5,760	2,500	3,325	9,063	10	0	0	0	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	1,000	202	1,129	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	230	350	500	530	500	0	0	0	0	0
OTHER PERM. HAY-PASTURE	1,055	550	300	300	300	0	115	80	0	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	15	0	0	0	0	1	0	0	0	0
VEGETABLES--SHALLOW ROOT	206	0	0	0	0	15	0	5	0	0
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	15	15	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	843	0	0	0	0	3	0	0	0	0
TOTAL CROP ACRES IRRIG.	65,400	104,310	124,700	130,420	134,050	29	130	100	0	0

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	CASTRO					CHAMBERS				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	55,000	55,500	29,560	53,678	75,880	0	0	0	0	0
GRAIN SORGHUM	168,570	189,700	109,839	92,688	26,322	0	0	0	0	0
CORN	15,000	17,500	36,637	102,234	106,772	0	0	0	0	0
RICE	0	0	0	0	0	39,273	45,300	51,383	50,105	53,090
WHEAT	86,000	77,500	26,324	77,861	84,460	0	0	0	0	0
OTHER GRAIN (D)	37,000	6,900	1,800	6,402	5,856	0	0	0	0	0
FORAGE CROPS	15,000	15,200	171,400	23,223	22,000	0	0	0	0	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	20,000	25,221	15,874	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	1,000	1,131	4,254	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	40	40	40	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	70	70	0	0	0	0	0
ALFALFA	10,100	11,500	3,000	5,455	3,424	0	0	0	0	0
OTHER PERM. HAY-PASTURE	2,000	6,200	3,000	13,471	9,953	0	15	0	0	0
SUGAR BEETS	(A)	(A)	8,900	5,832	7,568	(A)	(A)	0	0	0
IRISH POTATOES	0	6,200	5,000	5,755	2,475	0	0	0	0	0
VEGETABLES-SHALLOW ROOT	10,000	3,000	3,000	1,704	1,360	0	0	0	0	0
VEGETABLES-DEEP ROOT	(C)	12,200	4,000	1,923	1,648	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	3,000	18,250	0	0	694	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	401,670	414,650	413,500	416,688	368,650	39,273	45,315	51,383	50,105	53,090

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES-SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	CHEROKEE					CHILDRESS				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	0	0	0	0	0	6,000	9,076	6,620	10,000	9,946
FRAIN SORGHUM	0	0	0	0	0	375	80	240	0	500
CORN	20	0	0	0	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	975	1,350	3,200	1,000	1,000
OTHER GRAIN (D)	0	0	0	0	0	150	0	0	0	0
FORAGE CROPS	0	30	0	0	0	0	500	730	333	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	0	0	0	0	0	0	120	475	500	300
OTHER PERM. HAY-PASTURE	0	100	30	40	60	0	180	336	200	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	530	0	6	0	0	0	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	10	50	5	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	30	520	119	78	71	0	50	0	0	0
TOTAL CROP ACRES IRRIG.	580	660	205	123	131	7,500	11,356	11,601	12,033	11,746

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964



TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	CLAY					COCHRAN				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	0	0	0	0	0	55,000	55,800	38,224	61,658	84,959
CRAIN SORGHUM	0	0	0	0	0	5,000	28,300	39,801	37,370	14,418
CORN	0	0	0	0	0	300	200	275	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	90	50	1,000	700	1,000	3,461	4,200
OTHER GRAIN (D)	0	0	0	0	0	700	0	200	0	0
FORAGE CROPS	0	0	0	20	30	500	700	1,800	0	500
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	400	70	50
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	150	90
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	50	50	75	170	0	0	0	14	14
ALFALFA	0	15	0	0	14	1,500	0	1,000	750	200
OTHER PERM. HAY-PASTURE	0	90	140	160	175	1,000	2,300	1,500	620	500
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	150	0	0	0	0
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	0	0	0	0	100
VEGETABLES--DEEP ROOT	(C)	0	0	0	30	(C)	0	400	5	50
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	2,900	600	0	176	114
TOTAL CROP ACRES IRRIG.	0	155	190	345	469	67,950	88,600	84,600	104,474	105,195

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	COKE					COLEMAN				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	15	117	75	0	100	147	0	50	40	40
FRAIN SORGHUM	0	22	225	150	68	190	0	0	295	473
CORN	0	0	0	0	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	181	18	90	0	0	54	0	30	117
OTHER GRAIN (D)	0	103	97	48	0	0	50	380	392	117
FORAGE CROPS	70	149	20	0	83	0	15	311	398	430
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	200
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	0	0	0	10	0	0	15	0	0	30
OTHER PERM. HAY-PASTURE	88	170	283	199	65	13	305	497	982	1,193
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	0	0	0	5	5
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	0	0	5	5
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	173	742	718	497	316	350	439	1,238	2,147	2,610

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	COLLIN					COLLINGSWORTH				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	0	0	0	0	0	6,490	6,825	6,650	5,693	4,882
GRAIN SORGHUM	0	50	0	0	0	310	200	450	840	60
CORN	50	0	0	0	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	15	0	0	0	0	110	300	150	745	100
OTHER GRAIN (D)	40	0	0	0	0	0	0	0	0	0
FORAGE CROPS	0	0	0	0	0	0	50	250	140	30
PEANUTS	0	0	0	0	0	0	0	0	435	462
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	80	50	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	15	30	0	0	0	20	105	150	763	527
OTHER PERM. HAY-PASTURE	0	150	30	155	0	0	60	100	359	20
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	0	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	0	25	0	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	445	0	0	0
TOTAL CROP ACRES IRRIG.	120	230	135	205	0	6,930	7,985	7,750	8,975	6,081

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	COLORADO					COMAL				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	100	150	280	0	0	0	0	0	0	0
GRAIN SORGHUM	0	0	0	0	0	0	0	50	86	40
CORN	0	50	170	0	0	20	0	0	0	51
RICE	37,085	36,835	42,011	47,438	45,660	0	0	0	0	0
WHEAT	0	0	0	0	0	0	0	0	0	16
OTHER GRAIN (D)	99	0	0	0	0	119	0	0	0	80
FORAGE CROPS	99	170	0	0	0	39	90	248	154	80
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	66
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	0	0	200	0	0	40	0	0	0	0
OTHER PERM. HAY-PASTURE	0	230	80	0	0	21	110	25	79	169
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	0	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	50	0	40	25	123	0	0	0	0
TOTAL CROP ACRES IRRIG.	37,383	37,485	42,741	47,478	45,685	362	200	323	319	502

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964



TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	COMANCHE					CONCHO				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	0	0	0	0	0	178	320	480	120	209
GRAIN SORGHUM	0	0	525	0	0	330	330	0	304	388
CORN	0	0	300	0	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	77	0	160	99
OTHER GRAIN (D)	65	0	0	0	0	0	278	0	0	0
FORAGE CROPS	165	460	425	0	0	0	0	473	411	58
PEANUTS	885	1,370	17,526	20,702	28,866	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	5	0	0	5,250	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	120	0	0	0	0	0	0	0	0	0
ALFALFA	130	30	500	40	0	0	0	0	0	45
OTHER PERM. HAY-PASTURE	215	713	750	975	725	0	350	577	233	107
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	15	12	0	0	0	0	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	5	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	1,595	2,595	20,026	21,717	34,841	500	1,355	1,530	1,228	906

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 9.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	COOKE					CORYELL				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	0	0	0	0	0	200	50	50	50	0
GRAIN SORGHUM	0	0	0	0	0	25	165	115	140	150
CORN	0	0	0	0	60	25	50	75	50	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	0	0	0	0
OTHER GRAIN (D)	0	0	0	0	0	0	0	0	0	0
FORAGE CROPS	0	50	0	0	0	0	50	0	0	150
PEANUTS	0	4	207	134	129	25	15	70	70	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	100	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	0	0	0	0	0	20	65	0	0	0
OTHER PERM. HAY-PASTURE	0	234	190	245	95	0	230	355	355	190
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES-SHALLOW ROOT	0	0	0	0	0	20	20	0	0	0
VEGETABLES-DEEP ROOT	(C)	0	0	0	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	0	288	397	379	384	355	645	665	665	490

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES-SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	CATTLE					CRANE				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	11,455	11,460	2,100	3,000	920	0	0	0	0	0
GRAIN SORGHUM	165	125	600	1,000	0	0	0	0	0	0
CORN	0	0	0	0	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	600	890	850	1,000	80	0	0	0	0	0
OTHER GRAIN (D)	100	250	0	0	0	0	0	0	0	0
FORAGE CROPS	0	550	550	1,000	50	0	0	0	0	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	200	100	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	160	175	630	500	365	0	0	0	0	0
OTHER PERM. HAY-PASTURE	0	425	520	200	0	0	0	0	0	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	0	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	0	0	0	40	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	12,480	13,875	5,450	6,800	1,455	0	0	0	0	0

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	CROCKETT					CROSBY				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	88	0	0	0	0	91,000	89,900	84,360	112,895	24,820
GRAIN SORGHUM	0	0	0	355	0	97,310	41,100	63,565	46,000	15,663
CORN	0	0	0	0	0	1,500	900	400	200	67
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	317	193	0	619	12,000	26,200	3,022	1,000	740
OTHER GRAIN (D)	0	203	499	587	0	4,800	3,200	0	100	0
FORAGE CROPS	85	651	945	20	0	1,000	5,700	700	400	800
PEANUTS	0	0	0	0	0	0	0	75	58	70
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	12,000	2,679	5,984
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	180	2,696
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	30	135
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	30	0	8	8	20	200	400	500	510	650
OTHER PERM. HAY-PASTURE	602	430	396	258	270	100	1,900	1,158	500	325
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	300	0	60	0	0
VEGETABLES-SHALLOW ROOT	0	0	0	0	0	1,000	100	615	150	300
VEGETABLES-DEEP ROOT	(C)	0	0	0	0	(C)	0	2,285	153	550
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	55	0	0	0	2,500	1,000	0	0	0
TOTAL CROP ACRES IRRIG.	805	1,656	2,041	1,228	909	211,710	170,400	168,740	164,855	52,800

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES-SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	CULBERSON					DALLAM				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	6,360	4,910	3,527	3,486	7,756	0	0	0	0	0
GRAIN SORGHUM	750	2,125	1,705	1,489	5,211	15,655	49,250	80,000	46,320	58,800
CORN	0	0	320	30	218	0	0	3,000	44,240	66,690
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	550	345	1,246	20,150	20,550	35,000	54,400	80,758
OTHER GRAIN (D)	1,325	1,725	624	745	2,767	0	0	1,500	8,000	1,000
FORAGE CROPS	700	940	1,387	764	130	3,620	3,610	7,000	500	20,744
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	74	(A)	(A)	0	0	1,500
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	1,100
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	20	30	510	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	12	0	0	0	0	0
ALFALFA	420	300	345	395	2,162	1,500	2,750	2,000	4,800	8,000
OTHER PERM. HAY-PASTURE	0	75	294	145	130	800	810	900	2,540	2,000
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	1,551	100	0
IRISH POTATOES	0	0	0	0	0	500	0	0	0	0
VEGETABLES--SHALLOW ROOT	0	100	155	1,000	840	0	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	130	95	0	49	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	350	175	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	9,905	10,480	9,022	8,429	21,105	42,225	76,970	130,951	160,900	240,592

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964



TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	DALLAS					DAWSON				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	0	0	0	0	0	56,000	95,000	61,150	34,300	56,200
GRAIN SORGHUM	0	0	35	0	0	12,000	4,050	10,000	14,560	0
CORN	0	0	0	0	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	46	0	0	0	0	500	1,000	1,000	0
OTHER GRAIN (D)	100	308	0	0	0	0	1,500	1,000	500	0
FORAGE CROPS	460	30	0	80	0	800	0	2,000	300	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	160	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	30	0	0	0	(B)	0	20	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	875	85	40	40	0	700	400	800	1,000	500
OTHER PERM. HAY-PASTURE	0	495	0	0	0	500	550	450	300	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	4	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	285	5	220	135	0	0	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	462	55	50	0	(C)	0	20	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	45	30	0	30	0	2,500	0	0	60	0
TOTAL CROP ACRES IRRIG.	1,765	1,495	350	335	0	72,500	102,000	76,600	52,020	56,700

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	DEAF SMITH					DELTA				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	10,058	10,763	5,000	3,876	8,505	0	0	0	0	0
GRAIN SORGHUM	129,539	152,354	126,000	90,000	80,000	0	0	0	0	0
CORN	1,075	1,364	4,000	45,000	50,659	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	113,500	82,877	68,000	120,000	110,000	0	0	0	0	0
OTHER GRAIN (D)	4,500	20,173	2,000	6,637	5,426	0	0	0	0	0
FORAGE CROPS	7,750	10,000	25,000	7,752	4,000	0	0	0	0	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	6,000	2,878	3,500	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	100	0	1,000	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	60	60	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	1,535	2,500	4,000	6,000	6,000	0	0	0	0	0
OTHER PERM. HAY-PASTURE	0	3,269	3,000	11,800	11,800	0	0	0	0	0
SUGAR BEETS	(A)	(A)	18,900	9,050	8,000	(A)	(A)	0	0	0
IRISH POTATOES	3,550	4,000	6,000	6,000	6,000	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	10,203	6,900	5,000	2,500	2,500	0	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	2,000	4,000	1,500	1,500	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	950	12,000	1,000	1,800	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	282,660	308,200	278,000	314,053	298,950	0	0	0	0	0

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	DENTON					DEWITT				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	0	0	0	0	0	0	0	35	0	0
GRAIN SORGHUM	0	200	0	0	0	0	5	0	0	0
CORN	150	0	0	0	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	50	0	0	0	0	0	143	0	0	0
OTHER GRAIN (D)	80	0	0	0	0	0	0	0	0	0
FORAGE CROPS	30	0	0	0	0	420	809	333	360	150
PEANUTS	0	0	135	200	230	0	0	50	50	40
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	350	0	0	0	0	0	0	0	0	0
ALFALFA	1,065	100	0	0	0	10	119	0	0	0
OTHER PERM. HAY-PASTURE	430	90	245	80	240	340	434	473	838	250
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	10	0	0	0	0	0	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	30	0	0	0	794	0	0	0
TOTAL CROP ACRES IRRIG.	2,165	390	410	360	470	770	2,304	891	1,256	440

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	DICKENS					DIMMIT				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	10,504	11,544	13,587	10,120	11,082	850	400	400	400	6,050
GRAIN SORGHUM	0	0	1,500	5,967	400	3,300	1,150	1,150	3,400	515
CORN	0	0	0	0	0	0	20	1,020	1,300	2,311
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	200	300	300	1,200	0	0	0	736	272
OTHER GRAIN (D)	0	0	250	0	0	0	2,210	1,500	0	60
FORAGE CROPS	0	0	2,060	2,200	0	2,200	3,995	12,500	12,815	739
PEANUTS	0	0	0	0	0	0	0	7	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	5	0	0
CITRUS	0	0	0	0	0	375	455	495	495	467
PECANS	(B)	0	0	0	25	(B)	200	217	217	460
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	0	0	150	200	250	0	20	60	625	0
OTHER PERM. HAY-PASTURE	0	250	1,200	350	0	3,050	2,668	4,850	1,000	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	11,325	8,170	5,010	2,630	1,210
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	1,595	2,730	1,700	2,009
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	10,504	11,994	19,047	19,137	12,957	21,100	20,883	29,944	25,318	14,093

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.—COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979—CONTINUED

IRRIGATED CROPS	DONLEY					DUVAL				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	820	5,140	4,495	5,850	11,171	0	0	20	0	738
GRAIN SORGHUM	2,140	1,440	6,500	7,200	2,006	0	50	40	669	933
CORN	0	0	0	0	516	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	500	3,000	2,440	2,050	2,374	0	0	0	0	675
OTHER GRAIN (D)	0	0	0	250	0	0	0	0	0	260
FORAGE CROPS	0	450	340	0	0	0	0	660	0	120
PEANUTS	0	0	0	0	0	0	0	498	498	541
SOYBEANS	(A)	(A)	0	0	453	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	480	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	60	0	0	0	0	200	120	320
ALFALFA	0	2,160	2,503	3,100	608	60	0	0	0	0
OTHER PERM. HAY-PASTURE	0	600	341	1,212	0	60	440	965	1,240	20
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES—SHALLOW ROOT	0	0	0	0	0	0	50	0	0	0
VEGETABLES—DEEP ROOT	(C)	0	0	0	0	(C)	624	1,248	1,653	2,163
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	70	0	0	0	185	0	0	0	0
TOTAL CROP ACRES IRRIG.	3,460	12,860	16,679	19,662	17,128	305	1,164	4,111	4,180	5,770

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES—SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964



TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	EASTLAND					ECTOR				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	0	0	5	0	0	0	285	202	190	200
GRAIN SORGHUM	0	40	50	50	0	0	150	300	400	400
CORN	0	10	0	0	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	30	0	0	0	0	0	0	60	120
OTHER GRAIN (D)	6	34	0	0	0	0	500	0	188	250
FORAGE CROPS	0	10	0	0	0	0	500	2,250	320	535
PEANUTS	170	374	9,109	8,991	11,855	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	200	150	150	200
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	200	150	0	0
ALFALFA	19	17	120	100	0	0	350	260	672	675
OTHER PERM. HAY-PASTURE	70	463	755	1,170	196	0	500	715	900	800
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	75	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	0	100	26	50	50
VEGETABLES--DEEP ROOT	(C)	0	6	0	0	(C)	100	47	50	50
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	265	978	10,045	10,386	12,051	0	2,885	4,100	2,980	3,280

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	EDWARDS					ELLIS				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	0	0	0	0	0	235	0	25	0	0
GRAIN SORGHUM	0	0	0	0	0	0	0	13	0	0
CORN	0	0	0	0	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	0	0	0	0
OTHER GRAIN (D)	240	235	0	0	0	0	0	0	0	0
FORAGE CROPS	30	200	465	140	90	0	0	0	0	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	100	100	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	10	0	0	0	0	0	0	0	0	0
OTHER PERM. HAY-PASTURE	10	75	45	135	135	35	0	20	0	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	0	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	290	510	510	375	325	270	0	58	0	0

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	EL PASO					ERATH				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	42,104	49,998	37,874	33,150	31,250	47	62	0	0	0
GRAIN SORGHUM	243	0	7,090	5,200	550	71	0	208	180	180
CORN	365	0	19	250	300	80	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	7	300	200	20	0	0	0	0
OTHER GRAIN (D)	1,061	500	3,040	5,200	500	544	50	0	10	10
FORAGE CROPS	2,375	900	818	800	500	530	524	443	463	480
PEANUTS	0	0	0	0	0	762	930	3,834	6,590	6,590
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	40	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	602	950	5,600	(B)	30	0	185	185
OTHER ORCHARD + VINEYARD	171	0	165	100	120	180	0	85	15	15
ALFALFA	5,890	3,500	8,037	12,692	9,640	157	93	88	154	137
OTHER PERM. HAY-PASTURE	245	500	539	2,000	1,200	105	1,380	1,769	4,924	4,927
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	50	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	891	250	493	1,260	1,350	20	0	0	3	0
VEGETABLES--DEEP ROOT	(C)	230	307	293	3,550	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	2,540	200	0	0	0	0	155	0	0	0
TOTAL CROP ACRES IRRIG.	55,891	56,078	58,991	62,195	54,810	2,516	3,224	6,467	12,524	12,524

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	FALLS					FANNIN				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	3,960	4,252	4,180	4,250	2,200	570	142	50	100	0
GRAIN SORGHUM	465	845	810	1,013	1,150	0	40	0	100	0
CORN	0	0	350	200	100	75	176	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	0	0	0	0
OTHER GRAIN (D)	250	480	200	688	0	0	0	0	0	0
FORAGE CROPS	505	30	200	0	0	0	53	0	0	0
PEANUTS	0	0	0	0	0	660	999	1,035	635	408
SOYBEANS	(A)	(A)	250	0	0	(A)	(A)	0	50	2,740
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	345	150	271	110	0	140	40	0	0	0
OTHER PERM. HAY-PASTURE	0	656	1,345	1,345	496	0	330	160	50	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	0	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	5,525	6,413	7,606	7,606	3,946	1,445	1,780	1,245	935	3,148

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	FAYETTE					FISHER				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	400	79	100	0	0	2,350	1,660	920	550	550
GRAIN SORGHUM	50	174	190	18	564	0	0	95	220	220
CORN	0	93	202	0	545	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	30	0	0	0	800	770	345
OTHER GRAIN (D)	50	0	0	9	0	0	0	0	0	0
FORAGE CROPS	0	379	263	63	0	0	400	495	595	445
PEANUTS	0	57	56	26	26	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	20	0	0	0	0	0	0	0	0
ALFALFA	200	54	40	0	0	0	0	275	435	435
OTHER PERM. HAY-PASTURE	380	790	762	505	1,094	0	2,080	495	735	720
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES-SHALLOW ROOT	0	0	0	0	0	0	0	0	0	0
VEGETABLES-DEEP ROOT	(C)	0	0	0	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	100	70	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	1,180	1,716	1,613	651	2,229	2,350	4,140	3,080	3,305	2,715

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES-SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964



TABLE 4.—COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979—CONTINUED

IRRIGATED CROPS	FLOYD					FOARD				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	70,000	89,800	93,000	100,000	151,706	940	1,012	1,000	900	800
GRAIN SORGHUM	102,000	111,900	150,000	110,000	43,600	76	87	0	140	0
CORN	2,000	1,800	1,000	5,000	18,330	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	50,000	51,000	44,750	50,000	30,000	355	408	100	900	800
OTHER GRAIN (D)	15,000	3,700	0	0	100	0	0	0	0	0
FORAGE CROPS	25,000	4,000	4,000	3,000	450	0	55	150	0	0
PEANUTS	0	47	0	120	50	0	0	0	0	0
SOYBEANS	(A)	(A)	20,000	30,000	40,000	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	10,000	(A)	(A)	200	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	10,000	1,000	1,250	1,200	200	50	388	600	900	2,820
OTHER PERM. HAY-PASTURE	1,000	2,500	3,000	3,500	1,500	0	56	200	140	400
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	100	0	0	0	0	0	0	0	0	0
VEGETABLES—SHALLOW ROOT	5,000	5,000	1,000	1,000	540	0	0	0	0	0
VEGETABLES—DEEP ROOT	(C)	0	1,500	2,000	572	(C)	20	50	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	20,150	54,163	500	500	1,000	160	63	0	0	0
TOTAL CROP ACRES IRRIG.	300,250	324,910	320,000	306,320	298,048	1,581	2,089	2,300	2,980	4,820

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES—SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	FORT BEND					FRANKLIN				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	4,650	2,655	3,370	1,000	75	0	0	0	0	0
FRAIN SORGHUM	700	595	1,615	1,500	0	0	0	0	0	0
CORN	0	1,350	965	1,000	0	5	0	0	0	0
RICE	20,042	19,703	25,790	23,000	25,482	0	0	0	0	250
WHEAT	0	0	0	0	0	0	0	0	0	0
OTHER GRAIN (D)	0	0	0	0	0	0	0	0	0	0
FORAGE CROPS	0	0	0	0	0	0	0	0	0	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	200	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	700	1,200	1,000	250	0	0	0	0	0	0
OTHER PERM. HAY-PASTURE	1,050	1,010	600	200	0	15	0	35	0	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	100	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	440	60	100	100	0	0	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	40	100	100	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	870	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	27,582	26,713	33,540	27,150	26,627	40	0	35	0	250

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	FREESTONE					FRIO				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	0	0	0	0	0	2,800	3,200	1,600	2,000	7,000
GRAIN SORGHUM	0	0	0	0	0	4,200	5,910	13,600	18,000	10,000
CORN	0	0	0	0	0	3,000	1,770	6,000	3,000	9,575
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	0	300	1,000	6,000
OTHER GRAIN (D)	0	0	0	0	0	1,100	10,350	0	200	1,000
FORAGE CROPS	0	0	0	0	0	400	4,390	20,040	10,040	9,040
PEANUTS	0	0	0	0	0	8,100	9,609	14,400	18,000	20,200
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	500
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	200	0	0
CITRUS	0	0	0	0	0	20	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	25	0	200	200
OTHER ORCHARD + VINEYARD	0	0	0	0	0	20	3	300	300	300
ALFALFA	0	0	0	0	0	0	0	200	0	250
OTHER PERM. HAY-PASTURE	0	0	0	0	0	1,100	7,643	8,000	8,000	2,000
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	300	275	1,500	2,500	1,600
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	1,800	1,140	1,200	4,000	600
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	3,327	2,150	2,500	3,000
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	660	792	0	0	0
TOTAL CROP ACRES IRRIG.	0	0	0	0	0	24,200	48,434	69,490	69,740	71,265

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	GAINES					GALVESTON				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	60,000	65,500	106,000	230,970	314,230	0	0	0	0	0
GRAIN SORGHUM	37,800	100,000	150,000	52,000	20,000	0	0	0	0	0
CORN	0	400	0	0	1,000	0	0	0	0	0
RICE	0	0	0	0	0	10,850	11,830	6,121	6,500	11,073
WHEAT	1,600	1,500	4,000	22,000	3,000	0	0	0	0	0
OTHER GRAIN (D)	2,000	2,500	2,600	5,000	0	0	0	0	0	0
FORAGE CROPS	1,000	20,000	10,000	4,000	5,000	0	0	0	0	0
PEANUTS	1,000	1,440	2,600	2,880	2,900	0	0	0	0	0
SOYBEANS	(A)	(A)	500	150	520	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	10,000	0	500	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	220	220	300	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	2,500	2,500	200	0	0	0	0	0
ALFALFA	1,200	5,500	16,000	25,000	8,000	0	0	0	0	0
OTHER PERM. HAY-PASTURE	700	18,000	12,500	4,000	500	0	0	0	0	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	300	1,800	2,800	3,000	1,000	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	200	300	50	0	0	0	0	350	300	70
VEGETABLES--DEEP ROOT	(C)	1,000	3,900	2,140	2,600	(C)	160	300	50	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	7,200	10,000	0	0	0	0	210	0	0	0
TOTAL CROP ACRES IRRIG.	113,000	227,940	323,670	353,860	359,750	10,850	12,200	6,771	6,850	11,143

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
 (B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
 (D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.—COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979—CONTINUED

IRRIGATED CROPS	GARZA					GILLESPIE				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	12,000	13,387	13,045	11,000	11,865	0	0	0	0	0
GRAIN SORGHUM	2,000	1,356	1,745	1,000	35	400	15	70	263	30
CORN	0	0	0	0	0	0	6	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	116	50	50	0
OTHER GRAIN (D)	0	0	40	0	0	1,100	739	212	212	10
FORAGE CROPS	0	0	0	0	0	0	409	167	475	105
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	443	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	5	20
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	26	35	25	441
ALFALFA	0	0	100	0	0	0	55	92	10	0
OTHER PERM. HAY-PASTURE	0	100	140	0	0	0	465	677	641	539
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES—SHALLOW ROOT	0	0	0	0	0	0	0	0	0	0
VEGETABLES—DEEP ROOT	(C)	0	0	0	0	(C)	35	57	40	31
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	14,000	14,843	15,513	12,000	11,900	1,500	1,866	1,360	1,721	1,176

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES—SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964



TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	GLASSCOCK					GOLIAD				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	5,300	8,429	13,722	25,848	32,153	505	240	0	339	0
GRAIN SORGHUM	4,085	5,092	5,000	919	946	475	200	146	745	0
CORN	0	0	0	0	0	660	720	2,007	710	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	115	100	30	131	0	0	0	0	0
OTHER GRAIN (D)	0	315	500	80	7	0	0	0	0	0
FORAGE CROPS	950	2,533	2,032	275	76	120	400	0	0	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	71	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	50	125	100	135	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	115	671	1,000	421	30	0	25	0	0	0
OTHER PERM. HAY-PASTURE	350	471	500	420	0	50	1,823	542	237	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES-SHALLOW ROOT	0	0	60	42	15	0	0	0	0	0
VEGETABLES-DEEP ROOT	(C)	15	100	51	50	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	46	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	10,800	17,737	23,139	28,186	33,614	1,810	3,408	2,695	2,031	0

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES-SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	GONZALES					GRAY				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	145	25	0	0	0	530	970	493	1,000	450
GRAIN SORGHUM	832	400	420	0	100	3,770	8,305	10,875	11,700	11,931
CORN	102	30	50	15	600	0	115	2,800	1,200	1,466
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	4,400	3,030	10,038	10,416	12,492
OTHER GRAIN (D)	210	155	0	0	0	0	0	0	500	161
FORAGE CROPS	260	315	300	470	300	80	3,210	1,315	2,700	1,500
PEANUTS	0	310	640	500	200	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	743
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	140
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	181	0	0	0	275	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	340	0	0	0	0	0	780	2,888	4,200	3,400
OTHER PERM. HAY-PASTURE	695	1,278	1,418	1,440	585	100	380	843	1,843	600
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	5	10	7	0	0	0	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	0	14	20	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	2,589	2,523	2,849	2,445	2,060	8,880	16,790	29,252	33,559	32,883

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	GPAYSON					GREGG				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	0	20	0	0	0	0	0	0	0	0
GRAIN SORGHUM	0	0	0	0	20	0	0	0	0	0
CORN	0	0	0	0	13	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	9	0	0	0	0	0
OTHER GRAIN (D)	0	0	0	0	0	0	0	0	0	0
FORAGE CROPS	0	0	0	0	0	0	0	0	0	0
PEANUTS	0	210	679	1,660	2,255	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	0	55	0	0	0	0	0	0	0	0
OTHER PERM. HAY-PASTURE	0	442	70	273	120	0	10	10	0	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	40	10	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	0	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	0	727	749	1,973	2,427	0	10	10	0	0

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	GRIMES					GUADALUPE				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	424	400	700	0	0	0	0	133	133	0
GRAIN SORGHUM	0	0	0	0	0	0	243	337	702	685
CORN	0	0	0	0	0	0	200	0	100	35
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	0	0	100	467
OTHER GRAIN (D)	0	0	0	0	0	816	150	0	67	0
FORAGE CROPS	0	0	0	0	30	1,482	777	415	668	800
PEANUTS	0	0	0	0	0	0	0	30	0	30
SOYBEANS	(A)	(A)	0	30	550	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	139	0	0	190
OTHER ORCHARD + VINEYARD	0	0	0	0	0	70	170	0	0	15
ALFALFA	0	0	0	0	0	132	142	0	0	20
OTHER PERM. HAY-PASTURE	350	819	625	190	0	225	505	1,444	1,654	2,009
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	20	10	0	150	131
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	0	0	25	201
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	774	1,219	1,325	220	580	2,745	2,336	2,359	3,599	4,583

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	HALE					HALL				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	164,399	165,500	95,261	119,240	132,840	5,827	14,071	15,000	21,296	20,180
GRAIN SORGHUM	263,992	209,050	153,350	189,300	40,389	1,000	500	1,200	730	307
CORN	4,000	2,800	7,000	11,300	84,130	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	43,000	44,000	14,666	26,365	27,470	1,000	800	880	980	20
OTHER GRAIN (D)	6,000	0	0	0	0	300	0	0	500	0
FORAGE CROPS	9,000	2,000	2,333	4,540	560	0	290	1,300	350	986
PEANUTS	0	0	0	0	0	0	150	115	212	212
SOYBEANS	(A)	(A)	59,400	60,000	104,101	(A)	(A)	350	0	0
OTHER OIL CROPS	(A)	(A)	10,000	8,500	1,081	(A)	(A)	70	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	200	225	140	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	6,000	2,100	1,000	3,500	2,530	200	482	2,130	2,890	1,571
OTHER PERM. HAY-PASTURE	6,734	4,800	6,500	7,040	5,000	500	1,584	1,226	1,060	125
SUGAR BEETS	(A)	(A)	600	0	0	(A)	(A)	0	0	0
IRISH POTATOES	1,000	0	700	625	925	0	0	0	0	0
VEGETABLES-SHALLOW ROOT	3,000	1,000	1,010	950	1,180	0	0	0	0	0
VEGETABLES-DEEP ROOT	(C)	250	500	1,670	1,900	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	26,400	30,300	0	0	0	0	2,452	0	0	0
TOTAL CROP ACRES IRRIG.	533,505	461,600	352,520	433,255	402,246	8,827	20,329	22,271	28,018	23,401

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES-SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964



TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	HAMILTON					HANSFORD				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	145	175	425	235	0	700	820	0	0	0
GRAIN SORGHUM	62	440	960	1,040	0	33,200	82,100	104,500	104,500	107,756
CORN	40	200	0	70	0	0	1,100	30,000	35,300	32,000
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	34,750	76,800	107,000	114,000	113,800
OTHER GRAIN (D)	100	30	0	0	0	0	300	800	800	2,000
FORAGE CROPS	75	210	0	360	0	0	3,300	200	200	250
PEANUTS	0	0	115	0	60	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	1,000	1,000	1,000
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	100	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	443	485	0	0	0	500	700	650	650	1,000
OTHER PERM. HAY-PASTURE	30	165	425	1,070	490	0	320	500	500	300
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	5	0	0	0	0	0	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	1,100	0	0	0
TOTAL CROP ACRES IRRIG.	900	1,705	1,925	2,775	550	69,350	166,540	244,750	257,750	258,106

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	HARDEMAN					HARDIN				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	7,400	10,910	5,400	7,330	3,580	0	0	0	0	0
GRAIN SORGHUM	1,000	1,250	700	800	300	0	0	0	0	0
CORN	0	0	0	0	0	0	0	0	0	0
RICE	0	0	0	0	0	1,300	1,218	2,360	2,473	1,731
WHEAT	1,000	1,500	7,800	4,645	0	0	0	0	0	0
OTHER GRAIN (D)	0	0	200	200	0	0	0	0	0	0
FORAGE CROPS	500	650	100	0	0	0	0	0	0	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	50	50	0	0	0	0	0	0
ALFALFA	100	300	600	600	500	0	0	0	0	0
OTHER PERM. HAY-PASTURE	0	500	100	1,500	0	0	0	0	0	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	0	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	0	100	75	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	100	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	10,000	15,110	15,150	15,200	4,380	1,300	1,218	2,360	2,473	1,731

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	HARRIS					HARRISON				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	0	0	0	0	0	0	0	0	0	0
GRAIN SORGHUM	0	0	0	0	0	0	0	0	0	0
CORN	0	0	0	0	0	0	0	0	0	0
RICE	33,600	35,715	36,171	31,932	22,439	0	0	0	0	0
WHEAT	0	0	0	0	0	0	0	0	0	0
OTHER GRAIN (D)	0	0	0	0	0	0	0	0	0	0
FORAGE CROPS	0	600	0	0	0	0	0	0	0	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	138	0	0	0
ALFALFA	0	0	0	0	0	0	0	0	0	0
OTHER PERM. HAY-PASTURE	650	1,435	0	0	0	60	47	54	54	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	2,200	300	295	0	0	3	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	0	600	0	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	405	2	20	6	6	5
TOTAL CROP ACRES IRRIG.	36,450	38,050	37,066	31,932	22,844	65	205	60	60	5

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1969

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	HARTLEY					HASKELL				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	0	30	40	0	0	11,335	19,695	2,050	3,900	4,150
GRAIN SOPGHUM	3,170	21,620	42,875	78,000	56,000	2,980	11,510	25,680	18,780	18,850
CORN	300	0	5,000	15,000	40,000	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	12,720	23,335	38,000	45,000	90,000	740	1,900	2,180	2,080	100
OTHER GRAIN (D)	0	160	1,350	1,000	0	350	3,150	0	110	0
FORAGE CROPS	1,540	1,670	31,275	2,000	6,000	850	4,000	0	860	1,270
PEANUTS	0	0	0	0	0	0	0	0	10	10
SOYBEANS	(A)	(A)	100	15	2,000	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	365	420
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	0	250	880	3,000	10,000	0	320	1,000	695	1,500
OTHER PERM. HAY-PASTURE	0	90	350	1,000	3,000	0	3,735	6,500	6,640	7,095
SUGAR BEETS	(A)	(A)	2,400	3,300	0	(A)	(A)	0	0	0
IRISH POTATOES	600	0	0	0	0	0	0	0	500	625
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	300	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	210	0	60	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	745	6,150	0	0	0
TOTAL CROP ACRES IRRIG.	18,330	47,365	122,270	148,375	207,000	17,300	50,460	37,410	33,940	34,020

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	HAYS					HEMPHILL				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	114	30	40	0	0	0	180	180	35	100
GRAIN SORGHUM	0	55	171	171	45	0	487	350	600	800
CORN	46	135	0	0	0	0	0	0	50	253
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	30	170	540	1,300	1,120
OTHER GRAIN (D)	340	125	0	0	0	0	0	50	585	0
FORAGE CROPS	95	370	409	465	433	0	60	250	570	1,644
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	20	20	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	686	85	395	187	0	150	294	431	650	850
OTHER PERM. HAY-PASTURE	135	1,387	1,352	896	413	0	40	100	50	100
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES-SHALLOW ROOT	20	0	0	0	0	0	0	0	0	0
VEGETABLES-DEEP ROOT	(C)	0	0	0	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	90	0	0	0	0	0	18	0	0	0
TOTAL CROP ACRES IRRIG.	1,526	2,187	2,367	1,719	891	180	1,249	1,921	3,860	4,867

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES-SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964



TABLE 4.—COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979—CONTINUED

IRRIGATED CROPS	HENDERSON					HIDALGO				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	0	0	0	0	0	122,650	146,368	100,000	100,000	100,800
GRAIN SORGHUM	200	0	0	0	0	66,200	116,500	120,000	130,000	98,000
CORN	0	0	0	0	0	11,400	3,000	3,000	12,000	20,000
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	0	0	0	0
OTHER GRAIN (D)	0	0	0	0	0	0	0	0	0	0
FORAGE CROPS	700	0	0	0	0	43,000	14,500	19,000	12,000	15,000
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	3,000
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	55,000	73,000	77,000	72,000	75,500
PECANS	(B)	0	0	0	110	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	100	0	0	0	0	0
ALFALFA	500	25	0	0	0	2,000	1,000	0	0	1,500
OTHER PERM. HAY-PASTURE	200	635	1,012	0	0	8,000	22,332	26,292	21,000	35,200
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	2,000	2,000	0
VEGETABLES—SHALLOW ROOT	35	0	0	0	0	200,250	72,348	40,000	36,650	50,000
VEGETABLES—DEEP ROOT	(C)	25	20	0	0	(C)	74,623	63,000	40,000	45,000
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	24,650
ALL OTHER CROPS	0	0	0	0	0	2,500	0	0	18,000	0
TOTAL CROP ACRES IRRIG.	1,695	685	1,032	0	210	511,000	523,671	450,292	443,650	468,650

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES—SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	HILL					HOCKLEY				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	60	0	60	60	0	102,300	150,300	122,000	155,000	85,000
GRAIN SORGHUM	0	0	0	0	0	51,900	39,800	64,400	60,000	12,100
CORN	0	0	0	0	0	400	0	0	300	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	200	0	3,700	500	1,500
OTHER GRAIN (D)	0	0	0	0	0	650	0	300	500	0
FORAGE CROPS	0	22	0	100	0	450	0	1,600	2,000	0
PEANUTS	120	305	810	730	410	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	526	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	0	0	0	0	0	1,150	1,000	1,800	2,000	1,400
OTHER PERM. HAY-PASTURE	20	128	250	250	390	1,400	3,300	0	2,000	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	20	0	0	0	0
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	470	0	285	300	500
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	0	140	280	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	1,500	0	0	0	0
TOTAL CROP ACRES IRRIG.	200	455	1,120	1,140	800	160,470	194,400	194,225	223,406	100,500

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	HOOD					HOPKINS				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	200	0	0	0	0	0	0	0	0	0
GRAIN SORGHUM	50	0	0	0	200	0	0	0	0	0
CORN	0	0	0	0	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	0	0	0	0
OTHER GRAIN (D)	0	0	0	0	0	0	0	0	0	0
FORAGE CROPS	0	0	0	0	0	50	45	25	0	0
PEANUTS	250	0	250	140	604	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	340	356	200	2,600	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	200	0	0	0	20	0	0	0	0	0
ALFALFA	60	0	0	0	0	7	0	0	0	0
OTHER PERM. HAY-PASTURE	445	560	739	660	324	73	90	90	0	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	45	0	0	0	0	30	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	10	12	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	10	0	0	0
TOTAL CROP ACRES IRRIG.	1,250	900	1,345	1,000	3,798	170	155	127	0	0

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	HOUSTON					HOWARD				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	1,575	400	75	0	0	1,000	1,000	1,860	2,250	505
GRAIN SORGHUM	400	190	875	80	0	0	200	0	0	0
CORN	40	50	0	100	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	100	0	40	80
OTHER GRAIN (D)	0	0	0	0	0	50	0	0	0	0
FORAGE CROPS	0	30	0	50	0	0	0	0	0	0
PEANUTS	1,510	726	2,100	3,120	77	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	101	0	0	0	0	(B)	0	0	0	10
OTHER ORCHARD + VINEYARD	250	0	0	0	0	0	0	0	0	0
ALFALFA	125	90	0	0	0	0	0	40	90	180
OTHER PERM. HAY-PASTURE	1,150	802	730	830	0	0	0	66	66	16
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	25	0	600	45	0	0	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	300	740	145	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	25	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	5,100	2,588	5,120	4,370	77	1,050	1,300	1,966	2,446	791

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	HUDSPETH					HUNT				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	18,074	21,060	11,209	17,385	22,644	0	0	0	0	0
GRAIN SORGHUM	1,034	3,525	11,613	1,478	1,322	0	0	0	0	0
CORN	0	50	1,309	2,500	247	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	465	0	0	0	0	0	0	0
OTHER GRAIN (D)	2,344	4,540	1,761	2,040	1,943	0	0	0	0	0
FORAGE CROPS	2,243	3,800	2,741	963	350	0	0	0	0	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	75	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	75	5	1,200	77	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	150	13	6	14	0	0	0	0	0
ALFALFA	1,880	6,134	4,322	16,770	20,120	0	0	0	0	0
OTHER PERM. HAY-PASTURE	210	2,845	2,336	3,510	2,944	0	194	0	15	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	10	0	0	0	0	0	0	0	0
VEGETABLES-SHALLOW ROOT	250	55	0	0	150	0	3	0	0	0
VEGETABLES-DEEP ROOT	(C)	175	210	600	1,000	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	1,809	111	6	5	5	0	0	0	0	155
TOTAL CROP ACRES IRRIG.	27,844	42,470	35,990	46,457	50,891	0	197	0	15	155

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES-SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964



TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	HUTCHINSON					IRION				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	0	0	0	0	0	170	12	7	10	248
GRAIN SORGHUM	15,450	21,150	15,800	24,089	27,000	300	0	0	0	77
CORN	0	140	4,700	8,500	8,500	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	18,800	18,190	30,000	35,200	40,000	0	0	134	0	40
OTHER GRAIN (D)	0	0	0	0	0	775	686	981	960	695
FORAGE CROPS	0	800	10,700	600	4,000	140	493	1,380	2,185	1,123
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	100	0	100	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	72	110	73	88
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	7	0	0
ALFALFA	760	530	400	800	450	500	249	40	15	146
OTHER PERM. PASTURE	0	270	300	765	339	300	918	671	74	173
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	15	0	0	5	0
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	0	0	5	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	200	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	35,010	41,240	62,000	69,954	80,389	2,200	2,430	3,330	3,327	2,590

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	JACK					JACKSON				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	0	0	0	0	0	40	35	39	0	0
GRAIN SORGHUM	0	0	0	0	0	0	80	43	0	0
CORN	0	0	0	0	0	0	0	0	0	0
RICE	0	0	0	0	0	27,865	28,161	33,168	41,784	41,489
WHEAT	0	0	0	0	0	0	0	0	0	0
OTHER GRAIN (D)	0	0	0	0	0	0	0	0	0	0
FORAGE CROPS	0	0	0	0	0	0	0	0	0	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	0	0	0	0	0	0	0	0	0	0
OTHER PERM. HAY-PASTURE	0	0	0	0	0	0	205	500	0	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	360	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	0	0	0	0	0	28,265	28,481	33,750	41,784	41,489

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
 (B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
 (D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	JASPER					JEFF DAVIS				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	0	0	0	0	0	500	350	258	0	0
GRAIN SORGHUM	0	0	0	0	0	40	40	162	0	1,175
CORN	15	0	0	0	0	0	0	0	0	4,200
RICE	80	77	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	0	55	20	3,150
OTHER GRAIN (D)	0	0	0	0	0	80	360	0	0	0
FORAGE CROPS	0	0	0	0	0	520	340	151	235	23
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	120	120	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	10	45
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	41	45	110
ALFALFA	0	0	0	0	0	0	0	2	2	730
OTHER PERM. HAY-PASTURE	35	0	0	0	0	60	75	175	0	0
SUGAR BEETS	(A)	(D)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	0	0	0	4	0
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	25	2	4	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	50	10	100	120	135	50	0	0	0	0
TOTAL CROP ACRES IRRIG.	180	87	100	120	135	1,370	1,310	846	320	9,433

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	JEFFERSON					JIM HOGG				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	0	0	0	0	0	20	0	0	0	0
GRAIN SORGHUM	0	0	0	0	0	0	0	900	185	0
CORN	0	0	0	0	0	10	0	0	0	0
RICE	54,100	60,485	70,970	69,470	64,172	0	0	0	0	0
WHEAT	0	0	0	0	0	0	0	200	0	0
OTHER GRAIN (D)	0	0	0	0	0	0	0	0	0	0
FORAGE CROPS	0	0	0	0	0	0	0	0	0	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	0	0	0	0	0	0	0	0	0	0
OTHER PERM. HAY-PASTURE	0	0	0	0	0	100	330	200	200	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	200	0	0
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	160	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	840	900	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	54,100	60,485	70,970	69,470	64,172	290	1,170	2,400	385	0

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	JIM WELLS					JOHNSON				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	100	100	0	0	0	0	0	0	0	0
GRAIN SORGHUM	1,250	500	0	0	0	0	0	0	0	0
CORN	0	150	0	0	640	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	0	0	0	0
OTHER GRAIN (D)	0	0	810	800	800	0	0	16	0	0
FORAGE CROPS	80	250	1,710	550	600	80	30	0	0	0
PEANUTS	0	0	0	0	0	80	0	180	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	40	40	100	50	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	50
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	0	0	0	3,635	0	0	0	0	0	0
OTHER PERM. HAY-PASTURE	1,248	1,931	2,605	0	2,880	90	100	183	0	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	150	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	20	20	0	0	200	0	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	150	1,160	1,300	1,300	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	215	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	2,928	3,141	6,385	6,335	6,635	250	130	379	0	50

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	JONES					KARNES				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	1,450	605	960	625	3,330	190	0	0	0	0
GRAIN SORGHUM	350	300	1,990	1,680	1,290	160	0	0	0	0
CORN	0	0	0	0	0	30	0	410	35	26
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	300	390	0	765	1,000	0	0	0	239	0
OTHER GRAIN (D)	300	0	0	0	100	0	0	205	0	510
FORAGE CROPS	0	120	0	25	320	0	80	200	417	12
PEANUTS	50	0	529	705	705	0	0	6	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	15	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	0	0	100	115	115	0	15	13	0	0
OTHER PERM. HAY-PASTURE	250	4,119	2,621	2,090	2,110	556	2,022	612	787	34
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES-SHALLOW ROOT	0	0	0	0	0	0	0	0	0	0
VEGETABLES-DEEP ROOT	(C)	0	0	0	0	(C)	0	5	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	2,700	5,534	6,200	6,005	8,970	936	2,117	1,451	1,493	582

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES-SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964



TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	KAUFMAN					KENDALL				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	60	0	0	0	0	0	0	0	0	0
GRAIN SORGHUM	0	0	0	0	0	0	0	12	0	0
CORN	0	0	0	0	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	0	0	0	0
OTHER GRAIN (D)	0	30	0	0	0	0	96	34	78	0
FORAGE CROPS	30	30	0	0	0	0	96	77	0	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	34
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	0	0	100	0	0	0	11	11	60	0
OTHER PERM. HAY-PASTURE	0	450	55	100	0	0	108	465	590	50
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	0	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	6	6	6	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	90	510	155	100	0	0	317	605	734	84

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.—COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979—CONTINUED

IRRIGATED CROPS	KENEDY					KENT				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	0	0	0	0	0	1,800	1,200	1,193	790	294
GRAIN SORGHUM	0	0	0	0	0	0	0	0	125	10
CORN	0	0	0	0	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	0	0	65	55
OTHER GRAIN (D)	0	0	0	100	100	0	0	0	400	52
FORAGE CROPS	0	0	0	0	0	0	0	0	205	0
PEANUTS	0	0	0	0	0	0	0	24	90	129
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	16
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	0	0	0	0	0	0	50	250	280	159
OTHER PERM. HAY—PASTURE	0	0	150	250	200	0	150	793	200	71
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES—SHALLOW ROOT	0	0	0	0	0	0	0	0	0	0
VEGETABLES—DEEP ROOT	(C)	0	250	50	100	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	0	0	400	400	400	1,800	1,400	2,260	2,155	794

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES—SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	KERR					KIMBLE				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	0	0	0	0	0	70	35	0	0	0
GRAIN SORGHUM	0	66	0	0	0	0	0	0	0	0
CORN	0	8	18	12	12	100	62	10	25	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	50	190	44	159	0
OTHER GRAIN (D)	290	50	11	45	45	825	679	554	807	0
FORAGE CROPS	100	286	438	100	119	200	665	1,418	1,445	298
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	31	26	31	46	(B)	135	308	368	309
OTHER ORCHARD + VINEYARD	0	0	0	43	20	100	0	0	41	50
ALFALFA	387	51	91	20	25	150	236	224	239	40
OTHER PERM. HAY-PASTURE	0	408	732	345	654	200	548	684	1,267	315
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	45	0	0	0	0	0	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	12	20	20	0	(C)	0	20	23	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	90	169	0	0	0	30	0	0	0
TOTAL CROP ACRES IRRIG.	822	1,002	1,505	616	921	1,695	2,580	3,262	4,374	1,012

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY DATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	KING					KINNEY				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	620	835	570	965	285	400	193	0	330	850
GRAIN SORGHUM	0	0	0	0	50	875	1,200	1,588	1,080	3,600
CORN	0	0	0	0	0	0	0	1,191	1,790	900
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	100	0	0	3,541	2,250	950
OTHER GRAIN (D)	0	0	0	0	0	1,075	2,250	0	0	0
FORAGE CROPS	0	100	100	100	0	650	2,130	2,554	2,720	500
PEANUTS	0	0	15	15	15	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	300
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	12
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	0	80	10	10	7	0	0	615	0	0
OTHER PERM. HAY-PASTURE	0	15	0	0	0	50	790	2,044	2,280	597
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	250	600	1,730	690	1,020
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	100	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	620	1,030	695	1,090	457	3,300	7,263	13,263	11,060	8,729

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	KLEBERG					KNOX				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	0	0	0	0	0	15,000	11,820	14,533	15,000	24,000
GRAIN SORGHUM	718	550	600	250	100	4,000	10,729	27,299	20,000	9,000
CORN	0	0	0	0	460	0	200	0	0	1,725
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	4,345	15,490	20,000	20,500
OTHER GRAIN (D)	0	0	0	0	0	0	1,634	960	1,000	1,000
FORAGE CROPS	0	0	0	0	0	0	3,638	3,441	3,440	3,500
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	750
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	4,000	4,000	2,000
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	0	0	0	0	0	0	50	200	400	400
OTHER PERM. HAY-PASTURE	0	303	650	610	380	0	250	1,500	1,500	1,500
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	500	750	1,100	1,500	3,000
VEGETABLES--SHALLOW ROOT	370	0	0	0	0	1,650	50	50	75	0
VEGETABLES--DEEP ROOT	(C)	80	255	220	140	(C)	425	600	400	625
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	1,088	973	1,505	1,080	1,080	21,200	33,891	69,273	67,315	68,000

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 90--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	LAMAR					LAMB				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	0	8	300	0	0	101,960	150,000	104,127	92,000	113,400
GRAIN SORGHUM	0	0	0	0	0	121,375	150,000	155,388	160,000	20,000
CORN	0	60	0	0	0	14,000	6,000	13,000	35,000	70,000
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	4,000	6,500	3,000	5,000	20,000
OTHER GRAIN (D)	70	0	0	0	0	5,000	0	1,000	3,050	700
FORAGE CROPS	50	0	0	0	0	7,000	3,400	4,000	2,500	1,000
PEANUTS	0	15	100	205	205	0	0	150	20	0
SOYBEANS	(A)	(A)	150	0	0	(A)	(A)	23,000	8,000	30,000
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	1,000	0	5,000
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	160	200	200
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	300	0
ALFALFA	0	60	188	0	0	8,000	900	1,475	4,000	25,000
OTHER PERM. HAY-PASTURE	0	130	12	0	0	5,000	1,400	9,500	10,000	2,500
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	20	0	0	0	0	2,500	500	200	800	3,200
VEGETABLES--SHALLOW ROOT	20	10	20	0	0	2,125	2,000	100	100	200
VEGETABLES--DEEP ROOT	(C)	17	20	0	0	(C)	0	4,000	100	800
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	21,500	10,480	500	0	0
TOTAL CROP ACRES IRRIG.	160	300	790	205	205	292,460	331,180	320,600	326,070	300,000

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964



TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	LAMPASAS					LA SALLE				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	0	70	10	0	0	700	540	119	180	800
GRAIN SORGHUM	0	0	70	70	0	2,370	1,378	4,565	2,100	4,500
CORN	0	0	0	7	0	210	0	10	0	100
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	0	100	2,050	600
OTHER GRAIN (D)	0	0	0	70	0	0	2,604	3,097	1,500	1,450
FORAGE CROPS	0	0	8	30	0	400	714	390	1,000	0
PEANUTS	0	0	115	210	30	750	1,927	2,066	2,050	2,050
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	100	20	0
PECANS	(B)	0	35	0	0	(B)	0	35	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	0	0	0	0	0	40	14	0	0	0
OTHER PERM. HAY-PASTURE	0	183	343	258	90	1,300	2,438	811	1,550	1,700
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	10	250	250
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	800	209	345	115	360
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	2,315	1,942	4,450	1,550
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	135	0	0	0	0	27	0	0	0
TOTAL CROP ACRES IRRIG.	0	338	581	645	120	6,570	12,166	13,590	15,265	13,360

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	LAVACA					LEE				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	0	25	100	0	0	0	0	0	0	0
GRAIN SORGHUM	0	0	100	0	35	0	0	0	0	0
CORN	0	80	150	50	70	0	0	0	0	0
RICE	5,267	6,000	7,117	7,303	8,000	0	0	0	0	0
WHEAT	0	0	0	0	0	0	0	0	0	0
OTHER GRAIN (D)	0	150	0	0	0	0	0	0	0	0
FORAGE CROPS	350	300	640	470	311	0	0	0	0	0
PEANUTS	0	10	50	67	20	0	0	0	80	100
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	20	25	0	0	0	0	0
ALFALFA	50	0	100	0	0	0	0	0	0	0
OTHER PERM. HAY-PASTURE	0	50	235	537	583	0	0	250	680	115
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	0	0	25	0	0	0	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	15	0	10	10	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	120	0
TOTAL CROP ACRES IRRIG.	5,667	6,630	8,517	8,457	9,054	0	0	250	880	215

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 9.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	LEON					LIBERTY				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	200	0	0	0	0	0	0	0	0	0
GRAIN SORGHUM	0	0	0	0	0	0	0	0	0	0
CORN	0	60	0	0	0	0	0	0	0	0
RICE	0	0	0	0	0	30,205	36,698	43,556	44,372	32,400
WHEAT	0	0	0	0	0	0	0	0	0	0
OTHER GRAIN (D)	0	0	0	0	0	0	0	0	0	0
FORAGE CROPS	0	0	0	0	0	0	0	0	0	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	0	0	0	0	0	0	0	0	0	0
OTHER PERM. HAY-PASTURE	50	0	0	45	0	0	0	0	0	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	0	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	250	60	0	45	0	30,205	36,698	43,556	44,372	32,400

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.—COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979—CONTINUED

IRRIGATED CROPS	LIMESTONE					LIPSCOMB				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	0	0	0	0	0	0	0	0	0	0
GRAIN SORGHUM	0	0	0	0	0	665	805	7,000	8,650	10,150
CORN	0	0	0	0	0	0	0	1,200	1,900	1,600
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	600	770	1,000	4,675	14,650
OTHER GRAIN (D)	0	0	0	0	0	0	0	82	0	0
FORAGE CROPS	0	0	0	0	0	200	510	200	180	6,000
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	100	100	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	0	0	0	0	0	220	405	400	4,450	3,600
OTHER PERM. HAY-PASTURE	0	0	95	40	0	0	170	0	0	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES—SHALLOW ROOT	0	0	0	0	0	0	0	0	0	0
VEGETABLES—DEEP ROOT	(C)	0	0	0	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	0	0	95	40	0	1,685	2,660	9,982	19,955	44,000

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES—SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	LIVE OAK					LLANO				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	270	556	320	0	0	0	0	3	0	0
FRAIN SORGHUM	455	262	410	1,083	470	0	0	0	0	0
CORN	100	0	53	0	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	20	0	0	0	0	0	0	0
OTHER GRAIN (B)	0	0	0	0	0	0	156	170	0	0
FORAGE CROPS	0	0	160	0	0	0	190	125	0	0
PEANUTS	0	0	40	30	0	0	50	562	465	585
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	17
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	8
ALFALFA	250	0	300	0	0	0	0	0	0	0
OTHER PERM. HAY-PASTURE	255	1,600	3,570	2,650	540	0	92	439	660	372
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	50	0	50	0	0	0	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	40	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	1,380	2,538	4,923	3,763	1,010	0	488	1,299	1,125	982

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	LOVING					LUBBOCK				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	100	25	17	0	0	199,000	198,572	180,000	191,310	59,250
GRAIN SORGHUM	0	45	0	0	0	133,972	129,982	129,320	100,000	18,600
CORN	0	0	0	0	0	297	0	0	0	1,300
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	1,000	6,000	1,000	1,000	400
OTHER GRAIN (D)	0	0	0	0	0	1,600	4,000	0	0	100
FORAGE CROPS	50	0	0	17	30	50	4,500	1,000	1,000	300
PEANUTS	0	0	0	0	0	0	0	40	40	15
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	10,000	2,500	7,000
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	500	500	3,000
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	40	40	600
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	10	150
ALFALFA	50	10	0	0	0	1,480	400	500	1,000	500
OTHER PERM. HAY-PASTURE	0	20	0	0	0	7,830	3,500	2,000	2,000	200
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES-SHALLOW ROOT	0	0	0	0	0	50	1,000	500	500	920
VEGETABLES-DEEP ROOT	(C)	0	0	0	0	(C)	0	100	100	3,060
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	10,627	4,531	0	0	0
TOTAL CROP ACRES IRRIG.	200	100	17	17	30	354,600	352,485	325,000	300,000	95,395

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
 (B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES-SHALLOW ROOT  
 (D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964



TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	LYNN					MCCULLOCH				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	60,000	75,200	89,545	70,200	61,817	108	5	0	0	576
GRAIN SORGHUM	4,400	3,250	2,100	1,200	900	62	0	80	100	0
CORN	0	0	0	0	4	30	112	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	50	0	30	100
OTHER GRAIN (D)	0	0	0	130	0	137	279	0	0	0
FORAGE CROPS	0	400	70	0	0	66	25	570	111	150
PEANUTS	0	0	0	0	0	434	428	950	1,200	1,100
SOYBEANS	(A)	(A)	0	0	640	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	220	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	5	5	20	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	200	0	0	300	400	0	50	0	4	0
OTHER PERM. HAY-PASTURE	0	350	350	350	550	0	205	373	869	933
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES-SHALLOW ROOT	0	0	0	150	0	5	0	0	0	0
VEGETABLES-DEEP ROOT	(C)	0	0	150	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	400	0	0	0	0	213	0	0	0	0
TOTAL CROP ACRES IRRIG.	65,000	79,200	92,070	72,485	64,559	1,172	1,154	1,973	2,314	2,859

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
 (B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES-SHALLOW ROOT  
 (D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	MCLENNAN					MCMULLEN				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	1,215	710	300	300	0	22	0	0	0	0
GRAIN SORGHUM	576	1,893	130	410	0	78	0	0	0	0
CORN	100	404	370	90	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	0	0	0	0
OTHER GRAIN (D)	179	1,224	0	0	0	0	0	0	0	0
FORAGE CROPS	997	1,220	3,257	3,250	0	0	65	0	0	0
PEANUTS	0	100	412	680	0	0	0	0	0	0
SOYBEANS	(A)	(A)	200	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	365	710	500	380	0	0	0	0	0	0
OTHER PERM. HAY-PASTURE	273	972	1,300	1,399	0	27	217	0	0	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	310	0	4	0	0	0	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	0	169	0	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	4,015	7,233	6,642	6,509	0	127	282	0	0	0

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	MADISON					MARION				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	500	500	454	0	0	0	0	0	0	0
GRAIN SORGHUM	0	0	100	0	0	0	0	0	0	0
CORN	0	0	0	0	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	0	0	0	0
OTHER GRAIN (D)	0	0	50	0	0	0	0	0	0	0
FORAGE CROPS	0	0	0	0	0	0	0	0	0	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	0	0	0	0	0	0	0	0	0	0
OTHER PERM. HAY-PASTURE	0	250	350	0	0	0	160	120	0	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	40	40	10	20	22	0	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	0	30	60	96	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	540	790	994	80	118	0	160	120	0	0

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	MARTIN					MASON				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	24,000	20,000	19,800	18,800	19,250	830	100	53	0	0
GRAIN SORGHUM	750	500	3,000	1,000	0	0	105	136	50	66
CORN	0	0	0	0	0	0	0	5	0	24
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	50	500	1,000	400	0	0	0	0	0	0
OTHER GRAIN (D)	100	500	500	400	0	2,500	410	1,195	0	0
FORAGE CROPS	0	2,000	1,000	500	3,000	0	869	1,045	817	44
PEANUTS	0	0	0	0	0	2,815	2,070	5,405	4,822	6,341
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	70	80	80	100	(B)	0	0	5	2
OTHER ORCHARD + VINEYARD	0	0	100	100	100	0	0	0	0	4
ALFALFA	900	700	2,000	4,000	0	0	0	0	0	0
OTHER PERM. HAY-PASTURE	200	700	750	750	2,500	0	1,670	1,622	2,570	476
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	90	0
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	0	0	0	40	0
VEGETABLES--DEEP ROOT	(C)	0	120	120	50	(C)	30	71	20	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	200	0	602	565	0	500	0	0	0	0
TOTAL CROP ACRES IRRIG.	26,200	24,930	28,952	26,715	25,000	6,445	5,254	9,532	8,414	6,957

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
 (B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
 (D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	MATAGORDA					MAVERICK				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	200	120	0	0	0	3,550	4,350	2,035	890	860
CRAIN SORGHUM	0	106	0	0	0	5,275	1,555	4,500	2,800	3,600
CORN	0	20	0	0	0	800	1,441	3,000	0	1,500
RICE	35,000	45,146	54,710	54,086	52,835	0	0	0	0	0
WHEAT	0	0	0	0	0	0	59	9,000	8,500	660
OTHER GRAIN (D)	0	0	0	0	0	500	13,320	5,000	7,000	3,500
FORAGE CROPS	0	0	0	0	0	3,700	12,779	15,000	12,900	9,100
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	300	1,300	2,200	4,500
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	10	0	38
ALFALFA	0	0	0	0	0	2,300	2,650	3,200	2,400	6,900
OTHER PERM. HAY-PASTURE	0	290	0	0	0	10,300	15,800	12,000	11,000	12,000
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	4,050	3,000	1,600	600	1,520
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	502	900	400	940
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	270	690	1,600	3,924	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	35,200	45,952	55,400	55,686	56,759	30,475	55,756	57,545	48,690	45,118

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	MEDINA					MENARD				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	810	2,830	1,400	300	300	75	25	0	0	0
GRAIN SORGHUM	3,520	6,050	9,000	9,000	7,500	215	89	0	0	200
CORN	1,640	3,550	9,000	12,000	11,400	20	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	400	0	700	760	40	185	0	0	40
OTHER GRAIN (D)	2,925	5,540	0	0	700	2,560	525	1,997	1,044	944
FORAGE CROPS	1,410	5,300	4,000	6,000	5,360	200	751	351	450	500
PEANUTS	100	460	1,400	1,500	1,700	0	0	0	0	0
SOYBEANS	(A)	(A)	0	100	2,200	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	1,300	1,300	1,500	1,700	(B)	42	76	106	110
OTHER ORCHARD + VINEYARD	175	0	0	0	0	100	0	0	0	0
ALFALFA	120	220	300	0	20	180	104	0	0	0
OTHER PERM. HAY-PASTURE	320	1,585	8,000	9,000	7,500	110	411	506	1,405	1,500
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	450	770	900	200	200	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	8,420	2,010	4,200	4,200	3,000	0	22	0	0	0
VEGETABLES--DEEP ROOT	(C)	4,110	3,500	3,500	3,500	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	20,290	34,125	43,000	48,000	45,840	3,500	2,154	2,930	3,005	3,294

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964



TABLE 4.—COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979—CONTINUED

IRRIGATED CROPS	MIDLAND					MILAM				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	9,904	9,770	12,900	14,405	12,330	945	1,170	895	600	0
CRAIN SORGHUM	1,271	770	6,750	2,500	1,200	0	555	235	450	40
CORN	0	0	0	0	0	570	275	30	50	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	400	100	200	400	0	0	0	0	0
OTHER GRAIN (D)	0	900	1,550	0	0	0	0	0	0	0
FORAGE CROPS	1,000	700	1,900	2,000	250	670	1,155	60	140	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	40	200	300	425	(B)	0	0	0	45
OTHER ORCHARD + VINEYARD	0	0	0	0	40	0	0	0	0	0
ALFALFA	0	100	1,600	6,000	2,600	0	30	0	0	80
OTHER PERM. HAY-PASTURE	0	2,300	4,400	3,900	400	150	1,319	725	785	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES—SHALLOW ROOT	0	0	0	0	0	15	0	0	0	0
VEGETABLES—DEEP ROOT	(C)	0	40	0	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	1,500	100	0	80	100	15	0	0	0	0
TOTAL CROP ACRES IRRIG.	13,675	15,080	29,440	29,385	17,745	2,365	4,504	1,945	2,025	165

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES—SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	MILLS					MITCHELL				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	40	0	0	0	0	10,000	8,500	1,620	4,123	1,715
GRAIN SORGHUM	40	145	0	100	0	4,000	1,500	970	710	200
CORN	0	0	0	0	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	44	0	60	0	0	700	800	246	20	30
OTHER GRAIN (D)	40	189	0	0	0	0	400	0	0	100
FORAGE CROPS	60	269	583	80	0	650	1,600	1,270	620	330
PEANUTS	90	22	40	200	240	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	1,200	930	1,370	1,370	(B)	0	0	0	15
OTHER ORCHARD + VINEYARD	1,006	10	0	200	100	0	0	10	8	0
ALFALFA	20	0	0	100	0	50	500	327	477	200
OTHER PERM. HAY-PASTURE	540	552	470	1,070	235	0	750	745	400	300
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	0	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	0	55	55	50
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	1,880	2,387	2,083	3,120	1,945	15,000	14,050	5,243	6,413	2,940

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	MONTAGUE					MONTGOMERY				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	0	0	0	0	20	0	0	0	0	0
GRAIN SORGHUM	0	0	0	0	25	0	0	0	0	0
CORN	0	0	0	0	5	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	0	0	0	0
OTHER GRAIN (D)	0	0	0	0	0	0	0	0	0	0
FORAGE CROPS	0	0	0	0	0	0	40	0	0	0
PEANUTS	0	75	226	377	295	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	56	30	30	90	0	0	0	0	0
ALFALFA	0	0	0	0	0	0	0	0	0	0
OTHER PERM. HAY-PASTURE	0	94	64	105	0	120	200	135	0	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	10	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	0	20	0	0	0
VEGETABLES--DEEP ROOT	(C)	26	0	0	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	0	211	320	512	435	120	260	135	0	0

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	MOORE					MORRIS				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	370	300	115	0	0	0	0	0	0	0
GRAIN SORGHUM	35,690	54,765	76,500	79,500	95,000	0	0	0	0	0
CORN	0	400	50,000	73,000	30,000	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	42,420	52,915	78,300	68,000	70,000	0	0	0	0	0
OTHER GRAIN (D)	1,000	200	0	3,000	5,500	0	0	0	0	0
FORAGE CROPS	1,500	3,000	6,900	3,500	20,400	0	0	0	0	0
PEANUTS	0	0	0	0	0	0	0	310	310	190
SOYBEANS	(A)	(A)	2,000	300	5,000	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	750	100	2,000	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	0	500	1,500	500	100	0	0	0	0	0
OTHER PERM. HAY-PASTURE	0	700	900	3,000	5,000	50	0	0	0	0
SUGAR BEETS	(A)	(A)	3,000	2,000	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	300	0	0	0	0	0	10	0	0	0
VEGETABLES--DEEP ROOT	(C)	0	0	350	0	(C)	150	160	160	85
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	400	0	0	2,000	10	0	0	0	0
TOTAL CROP ACRES IRRIG.	81,280	113,180	219,965	233,250	235,000	170	160	470	470	275

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	MOTLEY					NACOGDOCHES				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	2,308	2,705	4,800	4,818	5,273	0	0	0	0	0
GRAIN SORGHUM	270	150	100	223	0	0	0	0	0	0
CORN	0	0	40	40	20	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	100	100	0	0	0	0	0	0	0	0
OTHER GRAIN (D)	0	0	0	0	0	0	0	0	0	0
FORAGE CROPS	200	300	0	0	0	40	0	0	0	0
PEANUTS	50	400	1,279	1,238	1,251	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	4	15	700	700	1,000	0	0	0	0	0
OTHER PERM. HAY-PASTURE	0	245	245	365	0	0	9	0	25	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	0	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	2,932	3,915	7,164	7,384	7,544	40	9	0	25	0

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	NAVARRO					NEWTON				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	430	100	0	0	0	0	0	0	0	0
GRAIN SORGHUM	50	100	0	0	0	0	0	0	0	0
CORN	0	0	0	0	0	0	0	0	0	0
RICE	0	0	0	0	0	550	585	506	500	550
WHEAT	0	0	0	0	0	0	0	0	0	0
OTHER GRAIN (D)	0	0	0	0	0	0	0	0	0	0
FORAGE CROPS	0	0	0	0	0	0	0	0	0	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	550
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	450	0	0	0	0	0	0	0	0	0
OTHER PERM. HAY-PASTURE	200	90	0	0	0	70	0	0	0	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	0	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	20	10	30	25	30
TOTAL CROP ACRES IRRIG.	1,130	240	0	0	0	640	595	536	525	1,130

NOTES: (A) INCLUDED WITH ALL OTHER CROPS.  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964



TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	NOLAN					NUECES				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	2,790	2,336	1,900	1,665	1,050	1,860	3,435	1,274	30	0
GRAIN SORGHUM	100	985	479	250	50	2,980	4,429	3,880	210	0
CORN	0	0	0	0	20	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	100	0	20	290	130	0	0	0	0	0
OTHER GRAIN (D)	0	0	0	50	0	0	0	0	0	0
FORAGE CROPS	0	205	20	0	100	50	0	0	0	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	10	0	0
PECANS	(B)	0	0	0	2	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	17	0	0
ALFALFA	0	0	400	160	230	0	0	0	0	0
OTHER PERM. HAY-PASTURE	0	253	651	765	555	350	2,440	1,120	10	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	660	300	0	0	0
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	2,990	3,779	3,470	3,180	2,137	5,900	10,604	6,301	250	0

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	OCHILTREE					OLDHAM				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	500	450	0	0	0	0	0	0	0	0
GRAIN SORGHUM	6,970	21,700	55,000	75,050	57,335	8,389	12,370	15,000	12,100	4,215
CORN	0	0	5,500	15,000	2,114	0	0	0	1,458	800
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	150	17,300	40,000	42,050	61,000	5,270	8,200	10,300	14,300	10,440
OTHER GRAIN (D)	9,000	125	500	4,000	286	1,300	0	250	1,995	775
FORAGE CROPS	0	700	5,000	4,000	500	4,330	3,000	3,300	3,000	300
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	900	1,200	500	(A)	(A)	1,000	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	200	250	500	2,820	700	0	30	100	200	200
OTHER PERM. HAY-PASTURE	0	125	250	250	550	0	1,200	100	100	100
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	200	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	0	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	640	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	600	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	16,820	41,250	107,650	144,370	122,985	19,289	25,440	30,250	33,153	16,830

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
 (B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
 (D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	ORANGE					PALO PINTO				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	0	0	0	0	0	130	0	0	0	0
GRAIN SORGHUM	0	0	0	0	0	108	0	0	0	0
CORN	0	0	0	0	0	0	0	0	0	0
RICE	4,321	4,846	4,232	4,232	1,739	0	0	0	0	0
WHEAT	0	0	0	0	0	0	0	0	0	0
OTHER GRAIN (D)	0	0	0	0	0	0	0	249	103	0
FORAGE CROPS	0	0	0	0	0	0	0	0	0	0
PEANUTS	0	0	0	0	0	710	120	120	100	40
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	0	0	0	0	0	100	0	30	0	0
OTHER PERM. HAY-PASTURE	0	0	0	0	0	100	253	1,678	1,477	268
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	25	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	4,321	4,846	4,232	4,232	1,739	1,183	373	2,077	1,680	308

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	PANOLA					PARKER				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	0	0	0	0	0	370	163	170	0	0
CRAIN SORGHUM	0	0	0	0	0	42	390	0	0	50
CORN	0	0	0	0	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	97	90	0	0
OTHER GRAIN (D)	0	0	0	0	0	0	60	140	0	0
FORAGE CROPS	0	30	0	0	0	190	0	150	80	30
PEANUTS	0	0	0	0	0	560	160	218	325	372
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	0	0	0	0	0	270	119	40	40	80
OTHER PERM. HAY-PASTURE	45	65	55	10	0	90	163	331	350	115
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	0	1	0	0	0	20	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	0	1	0	0	(C)	0	0	5	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	45	96	56	10	0	1,542	1,152	1,139	800	647

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.—COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979—CONTINUED

IRRIGATED CROPS	PARKER					PECOS				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	43,200	40,000	31,159	39,888	43,500	22,642	25,100	16,001	10,053	4,814
GRAIN SORGHUM	234,959	195,500	145,200	67,150	27,300	12,548	24,700	11,054	5,890	697
CORN	15,000	3,950	10,190	165,323	236,100	0	0	0	0	40
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	66,963	75,500	48,050	81,510	81,535	0	2,000	6,000	5,200	1,825
OTHER GRAIN (D)	15,000	300	1,100	9,740	11,197	47,623	45,993	4,600	8,938	7,548
FORAGE CROPS	12,000	12,000	40,600	6,061	1,100	5,000	22,213	13,519	14,494	1,573
PEANUTS	0	0	0	23	0	0	0	0	0	0
SOYBEANS	(A)	(A)	10,400	2,592	5,322	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	210	0	5,267	(A)	(A)	0	0	320
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	1,000	650	1,000	2,121
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	100	30	0	5
ALFALFA	3,000	1,500	5,120	1,562	990	15,700	7,700	1,700	4,480	3,512
OTHER PERM. HAY-PASTURE	1,000	2,500	4,840	6,000	1,500	2,900	6,420	4,240	940	3,141
SUGAR BEETS	(A)	(A)	7,230	626	2,100	(A)	(A)	0	0	0
IRISH POTATOES	1,000	1,500	2,540	1,400	1,500	0	0	15	0	0
VEGETABLES—SHALLOW ROOT	2,000	550	1,861	1,275	1,275	10,000	1,000	1,000	200	1,641
VEGETABLES—DEEP ROOT	(C)	8,500	1,337	2,052	300	(C)	200	1,500	600	1,790
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	10,100	27,200	1,100	0	0	1,000	1,000	0	0	0
TOTAL CROP ACRES IRRIG.	404,222	377,000	318,937	385,210	420,986	117,413	137,426	60,309	51,795	29,027

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES—SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	POLK					POTTER				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	0	0	0	0	0	0	0	0	0	0
GRAIN SORGHUM	0	0	0	0	0	8,000	6,500	8,305	8,000	5,945
CORN	0	0	0	0	0	0	0	0	0	1,000
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	3,000	7,000	7,351	11,000	8,575
OTHER GRAIN (D)	0	0	0	0	0	0	500	623	1,000	1,000
FORAGE CROPS	0	50	0	0	65	0	0	900	933	490
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	0	0	0	0	0	0	80	0	100	730
OTHER PERM. HAY-PASTURE	0	0	0	0	0	0	220	280	200	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	378	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	0	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	20	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	0	50	0	0	85	11,000	14,300	17,757	21,233	17,740

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964



TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	PRESIDIO					RAINS				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	2,930	2,740	2,309	2,138	3	0	0	0	0	0
GRAIN SORGHUM	0	50	150	135	500	0	0	0	0	0
CORN	0	0	0	0	550	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	1,050	0	0	0	0	0
OTHER GRAIN (D)	733	990	0	0	2,075	0	0	0	0	0
FORAGE CROPS	435	650	892	1,304	400	0	0	0	0	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	10	0	0	0	0	0
ALFALFA	190	750	1,000	1,029	2,408	0	0	0	0	0
OTHER PERM. PASTURE	0	100	35	410	148	0	0	40	0	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	900	175	775	630	1,050	0	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	380	900	728	2,115	(C)	0	100	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	15	0	0	0
TOTAL CROP ACRES IRRIG.	5,188	5,835	6,061	6,374	10,309	60	15	140	0	0

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	RANDALL					REAGAN				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	2,100	2,100	2,400	1,100	1,145	1,100	1,658	2,725	6,644	22,468
GRAIN SORGHUM	48,850	52,000	34,100	38,600	27,825	1,000	1,393	8,750	1,882	392
CORN	0	1,700	2,511	2,700	5,042	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	28,100	21,000	40,000	40,400	31,350	0	30	950	0	0
OTHER GRAIN (D)	2,500	2,800	700	1,600	3,330	100	523	500	0	0
FORAGE CROPS	4,500	9,000	1,100	3,500	2,727	420	6,397	2,826	2,274	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	2,600	1,600	1,200	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	600	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	80
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	210	800	600	2,000	2,020	0	65	200	124	87
OTHER PERM. HAY-PASTURE	0	1,100	1,168	1,000	1,000	0	287	500	161	38
SUGAR BEETS	(A)	(A)	1,200	1,400	1,271	(A)	(A)	0	0	0
IRISH POTATOES	40	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	200	0	0	0	0	0	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	500	0	0	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	8,500	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	95,000	91,000	86,379	93,900	77,450	2,620	10,353	16,451	11,085	23,065

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.—COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979—CONTINUED

IRRIGATED CROPS	REAL					RED RIVER				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	0	0	0	0	0	200	200	50	0	0
GRAIN SORGHUM	690	0	320	25	0	0	0	0	0	0
CORN	0	0	0	50	0	50	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	0	0	0	0
OTHER GRAIN (D)	90	790	45	0	0	100	0	0	0	0
FORAGE CROPS	150	635	500	230	200	0	100	0	0	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	150	0	1,000
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	15	0	70	20	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	60	0	13	10	0	0	0	0	0	0
OTHER PERM. HAY-PASTURE	0	220	200	500	235	100	433	320	80	80
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES—SHALLOW ROOT	0	0	0	0	0	0	0	0	0	0
VEGETABLES—DEEP ROOT	(C)	0	0	0	0	(C)	0	131	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	990	1,660	1,076	885	455	450	733	651	80	1,080

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES—SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	REFEES					REFUGIO				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	56,000	71,000	44,033	40,070	10,179	0	0	0	0	0
GRAIN SORGHUM	11,500	23,100	6,500	5,320	601	0	575	0	0	0
CORN	0	0	100	0	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	1,700	7,788	1,800	4,368	0	0	0	0	0
OTHER GRAIN (D)	15,400	15,300	5,550	10,793	3,391	0	0	0	0	0
FORAGE CROPS	9,000	4,300	14,594	12,722	1,263	0	0	0	0	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	100	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	55	500	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	300	0	0	330	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	200	200	0	0	0	0	0	0
ALFALFA	3,100	700	782	4,620	6,174	0	0	0	0	0
OTHER PERM. HAY-PASTURE	500	2,800	1,350	965	8,101	650	315	0	0	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES-SHALLOW ROOT	0	0	400	250	1,025	0	0	0	0	0
VEGETABLES-DEEP ROOT	(C)	0	1,300	930	1,264	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	500	500	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	96,000	119,700	82,652	78,170	36,876	650	890	0	0	0

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES-SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	ROBERTS					ROBERTSON				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	150	205	137	0	0	22,365	23,080	15,500	16,750	18,710
GRAIN SORGHUM	2,120	2,005	3,484	4,561	4,248	10,320	10,065	2,860	1,300	0
CORN	0	0	306	0	430	2,225	2,150	660	0	300
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	800	2,130	3,305	6,426	6,013	0	0	0	0	0
OTHER GRAIN (D)	0	40	0	101	0	0	0	0	0	0
FORAGE CROPS	0	1,672	1,949	0	0	0	2,300	1,580	1,050	0
PEANUTS	0	0	0	0	0	0	0	0	65	170
SOYBEANS	(A)	(A)	0	0	380	(A)	(A)	0	100	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	250	253	30	30	0	0	600	260	0	0
OTHER PERM. HAY-PASTURE	0	95	92	100	555	0	3,120	2,435	2,935	560
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	0	0	35	0	0
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	0	85	85	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	10	0
TOTAL CROP ACRES IRRIG.	3,320	6,330	9,303	11,218	11,634	34,910	41,315	23,415	22,295	19,740

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	ROCKWALL					RUNNELS				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	0	0	0	0	0	980	1,436	856	835	839
GRAIN SORGHUM	0	0	0	0	0	852	310	290	825	519
CORN	0	0	0	0	0	0	0	0	70	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	200	210	360	801
OTHER GRAIN (D)	0	0	0	0	0	20	565	922	509	673
FORAGE CROPS	0	0	0	0	0	787	1,003	1,315	830	645
PEANUTS	0	0	0	0	0	0	100	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	38	48	51	248
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	0	0	0	0	0	0	0	0	22	75
OTHER PERM. HAY-PASTURE	0	15	0	0	0	80	495	682	2,334	2,078
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	0	0	0	20	0
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	0	0	10	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	68	0	0	0
TOTAL CROP ACRES IRRIG.	0	15	0	0	0	2,713	4,215	4,323	5,866	5,878

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
 (B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
 (D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	RUSK					SABINE				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	75	125	100	0	0	0	0	0	0	0
GRAIN SORGHUM	50	0	0	0	0	0	0	0	0	0
CORN	0	0	0	0	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	0	0	0	0
OTHER GRAIN (D)	0	0	0	0	0	0	0	0	0	0
FORAGE CROPS	0	0	0	0	0	0	0	0	0	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	3	0	0	0	0	0
ALFALFA	0	0	0	0	0	0	0	0	0	0
OTHER PERM. HAY-PASTURE	105	160	40	0	0	0	0	0	0	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	65	0	10	0	0	0	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	15	0	2	7	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	5	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	295	305	150	2	10	0	0	0	0	0

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964



TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	SAN AUGUSTINE					SAN JACINTO				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	0	0	0	0	0	0	0	0	0	0
GRAIN SORGHUM	0	0	0	0	0	0	0	0	0	0
CORN	0	0	0	0	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	0	0	0	0
OTHER GRAIN (D)	0	0	0	0	0	0	0	0	0	0
FORAGE CROPS	0	0	0	0	0	0	0	0	0	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	0	0	0	0	0	0	0	0	0	0
OTHER PERM. HAY-PASTURE	0	0	0	0	0	0	0	0	0	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES-SHALLOW ROOT	0	0	0	0	0	0	0	0	0	0
VEGETABLES-DEEP ROOT	(C)	0	0	0	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	0	0	0	0	0	0	0	0	0	0

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES-SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	SAN PATRICIO					SAN SABA				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	12,410	6,903	4,345	1,115	585	525	675	200	0	0
GRAIN SORGHUM	4,510	11,617	6,858	6,999	0	775	425	285	535	510
CORN	0	0	55	0	650	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	0	350	1,210	50
OTHER GRAIN (D)	0	0	0	0	0	690	1,060	1,685	1,225	1,010
FORAGE CROPS	0	0	50	0	0	185	474	750	170	0
PEANUTS	0	0	0	0	0	0	110	660	425	705
SOYBEANS	(A)	(A)	0	0	80	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	31	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	750	1,265	1,705	2,190
OTHER ORCHARD + VINEYARD	0	0	0	0	0	575	0	0	230	130
ALFALFA	0	0	0	0	0	100	0	0	0	0
OTHER PERM. HAY-PASTURE	80	1,440	442	90	94	120	1,055	1,135	2,563	1,543
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOPS	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	8,320	2,250	1,822	1,606	734	0	15	0	0	0
VEGETABLES--DEEP ROOT	(C)	0	267	920	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	6	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	25,320	22,210	13,876	10,730	2,143	2,970	4,564	5,830	8,063	6,138

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	SCHLEICHER					SCURRY				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	2,025	1,207	995	552	447	2,591	2,500	3,704	3,900	3,215
GRAIN SORGHUM	227	1,159	769	546	58	0	0	1,255	500	150
CORN	0	25	0	0	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	115	15	33	110	77	15	50	0	200	200
OTHER GRAIN (D)	126	126	546	149	89	0	0	0	0	0
FORAGE CROPS	0	798	1,399	607	264	0	0	0	0	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	48	103	96	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	84	40	147	0	0	50	200	217	500	700
OTHER PERM. HAY-PASTURE	0	643	578	351	152	0	400	518	510	300
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES-SHALLOW ROOT	0	0	0	136	0	0	0	0	0	0
VEGETABLES-DEEP ROOT	(C)	163	20	145	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	2,577	4,176	4,535	2,699	1,183	2,656	3,150	5,694	5,610	4,565

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES-SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	SHACKELFORD					SHELBY				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	0	0	15	0	0	0	0	0	0	0
GRAIN SORGHUM	0	0	75	65	75	0	0	0	0	0
CORN	0	0	0	0	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	75	35	150	180	0	0	0	0	0
OTHER GRAIN (D)	0	0	0	0	0	0	0	0	0	0
FORAGE CROPS	0	0	310	20	36	0	0	0	0	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	0	0	0	10	20	0	0	0	0	0
OTHER PERM. HAY-PASTURE	0	69	92	75	77	0	0	0	0	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	3	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	0	144	527	320	388	3	0	0	0	0

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	SHERMAN					SMITH				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	0	0	0	0	0	0	0	0	0	0
FRAIN SORGHUM	30,000	70,000	123,300	120,300	92,500	80	0	0	0	0
CORN	0	100	17,000	23,000	23,000	100	0	10	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	19,800	60,000	60,961	118,100	105,200	0	0	0	0	0
OTHER GRAIN (D)	0	200	0	3,000	3,000	0	0	0	0	0
FORAGE CROPS	0	10,000	49,500	1,500	3,500	0	125	0	0	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	1,514	7,900	2,000	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	1,800	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	15
ALFALFA	200	600	475	1,600	3,200	0	0	0	0	0
OTHER PERM. HAY-PASTURE	0	200	400	865	800	395	720	1,225	500	425
SUGAR BEETS	(A)	(A)	628	306	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	50	0	25	25	75
VEGETABLES--DEEP ROOT	(C)	0	700	0	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	300	100	0	0	155	5	285	175	80
TOTAL CROP ACRES IRRIG.	50,000	141,400	254,578	276,651	235,000	780	850	1,545	700	595

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	SOMERVELL					STARR				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	10	0	0	0	0	10,028	15,075	6,600	2,185	4,000
GRAIN SORGHUM	35	0	0	0	0	0	5,050	3,000	5,000	6,000
CORN	0	0	0	0	0	0	1,000	2,000	2,000	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	0	0	0	0
OTHER GRAIN (D)	0	0	0	0	0	0	0	0	0	0
FORAGE CROPS	30	0	0	0	0	0	2,250	3,000	3,000	2,000
PEANUTS	100	0	271	240	495	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	100	66	66	0
PECANS	(B)	0	0	160	160	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	20	0	0	0	0	0	1,500	0	0	0
OTHER PERM. HAY-PASTURE	0	211	230	58	40	0	3,000	2,597	3,000	3,000
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	100	0	0	0
VEGETABLES--SHALLOW ROOT	0	0	0	10	10	39,450	8,000	9,037	3,325	5,576
VEGETABLES--DEEP ROOT	(C)	0	23	10	10	(C)	7,525	6,200	7,000	7,000
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	40	0	0	0	0
TOTAL CROP ACRES IRRIG.	195	211	524	478	715	49,518	43,600	32,500	25,576	27,576

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	STEPHENS					STERLING				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	95	32	0	0	0	45	52	0	0	92
GRAIN SORGHUM	68	0	0	0	0	65	45	187	0	0
CORN	0	0	0	0	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	105	176	0	250	0	0	0	0	0
OTHER GRAIN (D)	0	0	0	0	0	0	25	384	332	342
FORAGE CROPS	78	174	534	320	279	60	461	287	565	249
PEANUTS	35	0	0	0	70	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	30	0	0	(B)	19	32	32	32
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	82	72	0	0	10	20	36	778	689	68
OTHER PERM. HAY-PASTURE	30	125	429	535	548	25	718	713	915	64
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
TRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES-SHALLOW ROOT	0	0	0	0	0	0	0	0	0	0
VEGETABLES-DEEP POOT	(C)	0	0	0	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	67	0	0	0
TOTAL CROP ACRES IRRIG.	388	458	1,169	855	1,157	215	1,423	2,381	2,533	847

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
 (B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES-SHALLOW ROOT  
 (D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964



TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	STONEWALL					SUTTON				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	0	875	800	0	0	10	6	0	0	0
FRAIN SORGHUM	0	455	225	0	88	0	0	258	270	31
CORN	0	0	0	0	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	100	0	175	0	0	0	135	0	0
OTHER GRAIN (D)	0	0	0	0	0	220	165	295	354	0
FORAGE CROPS	0	130	0	20	0	110	335	357	290	277
PEANUTS	0	0	200	50	66	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	83	79	137
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	0	0	0	0	0	10	142	80	0	28
OTHER PERM. HAY-PASTURE	0	595	255	180	54	57	183	359	180	96
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	0	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	0	2,115	1,480	425	208	407	831	1,567	1,173	569

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACRESAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	SWISHER					TARRANT				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	49,100	56,000	37,495	54,557	39,648	0	0	0	0	0
GRAIN SORGHUM	119,750	123,300	102,420	132,210	14,706	0	0	0	0	0
CORN	16,000	5,850	9,325	11,983	29,708	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	79,250	83,500	55,320	103,388	31,580	0	0	0	0	0
OTHER GRAIN (D)	13,600	2,800	1,510	2,657	623	0	0	0	0	0
FORAGE CROPS	14,200	6,400	12,350	2,767	17,374	150	920	0	0	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	25,380	5,470	10,300	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	1,050	155	90	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	35	95	(B)	0	0	0	62
OTHER ORCHARD + VINEYARD	0	0	60	0	0	0	0	0	0	0
ALFALFA	4,900	2,200	3,560	1,312	2,000	240	60	0	0	0
OTHER PERM. HAY-PASTURE	0	3,050	5,420	15,207	700	720	175	0	0	25
SUGAR BEETS	(A)	(A)	200	34	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	9,200	0	100	326	0	910	420	400	400	149
VEGETABLES--DEEP ROOT	(C)	0	0	300	0	(C)	585	550	400	149
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	13,200	27,600	70	20	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	319,200	310,740	254,260	330,421	146,824	2,020	2,160	950	800	385

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	TAYLOR					TERRELL				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	754	427	400	0	0	20	0	0	0	0
GRAIN SORGHUM	350	579	100	1,215	200	0	0	0	0	0
CORN	0	0	0	0	100	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	249	550	90	815	228	0	0	0	0	0
OTHER GRAIN (D)	0	0	0	0	0	0	0	0	0	0
FORAGE CROPS	20	270	0	515	210	0	56	87	0	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	88
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	16	0
ALFALFA	0	0	0	50	100	5	100	28	0	0
OTHER PERM. HAY-PASTURE	0	395	786	525	800	86	51	162	90	106
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	3	0	0	0	0	0	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	1,376	2,221	1,376	3,120	1,638	111	207	277	106	194

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 9.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	TERRY					THROCKMORTON				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	82,557	77,702	86,149	101,680	151,836	0	50	0	0	0
GRAIN SORGHUM	50,707	40,075	60,000	51,500	10,000	0	0	0	0	0
CORN	0	0	550	60	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	1,000	4,040	8,463	12,680	2,000	0	0	0	0	0
OTHER GRAIN (D)	1,200	1,135	1,200	500	0	0	0	0	0	0
FORAGE CROPS	600	1,835	300	1,040	0	0	0	0	55	0
PEANUTS	150	250	265	365	400	0	0	0	0	0
SOYBEANS	(A)	(A)	3,000	500	300	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	500	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	155	400	300	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	40	100	0	0	0	0	0	0
ALFALFA	500	293	500	350	400	0	0	0	0	0
OTHER PERM. HAY-PASTURE	250	5,000	2,000	3,200	600	0	15	0	30	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	270	447	0	0	0	0	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	681	6,578	3,500	500	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	2,900	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	140,134	131,458	169,700	175,875	166,336	0	65	0	85	0

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	TITUS					TOM GREEN				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	10	0	0	0	0	9,675	5,601	3,531	6,767	11,367
GRAIN SORGHUM	5	0	0	0	0	1,079	5,327	3,888	11,505	9,423
CORN	0	0	0	0	0	0	47	0	0	435
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	531	111	441	1,200
OTHER GRAIN (D)	0	0	0	0	0	1,525	1,676	672	1,686	1,760
FORAGE CROPS	0	0	0	0	0	1,684	1,865	2,608	2,751	2,450
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	15	43	342
OTHER ORCHARD + VINEYARD	0	0	0	0	0	50	0	0	0	0
ALFALFA	0	0	0	0	0	265	357	786	638	700
OTHER PERM. HAY-PASTURE	95	0	0	0	0	1,325	1,533	2,156	2,329	3,100
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES-SHALLOW ROOT	5	0	0	0	0	170	0	97	66	0
VEGETABLES-DEEP ROOT	(C)	0	0	0	0	(C)	323	149	90	150
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	50	0	0	0
TOTAL CROP ACRES IRRIG.	115	0	0	0	0	10,775	17,310	14,013	26,316	30,927

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES-SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	TRAVIS					TRINITY				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	95	0	0	0	0	0	0	0	0	0
CRAIN SORGHUM	0	0	329	200	0	0	0	0	0	0
CORN	0	0	0	0	0	0	0	0	0	0
RICE	0	0	40	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	0	0	0	0
OTHER GRAIN (D)	150	50	0	0	0	0	0	0	0	0
FORAGE CROPS	120	949	923	397	120	0	0	0	0	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	0	0	0	30	0	0	0	0	0	0
OTHER PERM. MAY-PASTURE	850	236	1,312	589	100	50	0	0	0	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	45	35	0	0	0	0	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	170	0	0	40	40	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	1,430	1,270	2,604	1,256	260	50	0	0	0	0

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	TYLER					UPSHUR				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	0	0	0	0	0	0	0	0	0	0
GRAIN SORGHUM	0	0	0	0	0	0	0	0	0	0
CORN	0	0	0	0	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	0	0	0	0
OTHER GRAIN (D)	0	0	0	0	0	0	0	0	0	0
FORAGE CROPS	0	0	0	0	0	0	0	0	0	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	7	0	0
ALFALFA	0	0	0	0	0	0	0	0	0	0
OTHER PERM. HAY-PASTURE	8	0	55	35	0	0	0	0	0	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	5	0	18	0	0	0	0	0	7	0
VEGETABLES--DEEP ROOT	(C)	0	19	0	0	(C)	0	3	7	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	5	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	13	0	97	35	0	0	0	10	14	0

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964



TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	UPTON					UVALDE				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	70	90	1,046	5,157	13,082	500	1,842	575	2,420	5,756
GRAIN SORGHUM	80	522	1,623	762	150	4,520	8,150	24,000	9,300	2,600
CORN	0	0	0	0	0	708	160	4,020	11,040	19,759
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	450	625	60	130	0	252	760	6,075	5,442
OTHER GRAIN (D)	180	464	810	0	200	2,895	7,176	935	1,975	1,666
FORAGE CROPS	100	1,215	1,486	430	0	3,060	3,725	4,140	3,680	2,000
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	1,150	5,000
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	40	0	1,000
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	20	40	100	(B)	18	0	165	600
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	0	0	0	0	0	0	25	30	10	0
OTHER PERM. HAY-PASTURE	120	273	66	37	340	3,150	2,549	3,045	3,600	4,875
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	0	0	0	0	0	2,100	2,750	3,180	2,750	5,975
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	1,215	2,590	2,280	3,612
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	1,140	0	0	400	0
TOTAL CROP ACRES IRRIG.	550	3,014	5,676	6,486	14,002	18,065	27,862	43,315	44,845	58,285

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACRES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	VAL VERDE					VAN ZANDT				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	0	0	70	0	0	0	0	0	0	0
FRAIN SORGHUM	120	100	100	0	0	0	0	0	0	0
CORN	20	0	10	0	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	0	0	0	0
OTHER GRAIN (D)	410	530	400	215	200	0	0	0	0	0
FORAGE CROPS	250	330	570	500	490	0	0	0	0	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	35	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	100	100	100	30	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	100	0	25	25	10	0	0	0	0	0
ALFALFA	1,090	200	100	0	0	0	0	0	0	0
OTHER PERM. HAY-PASTURE	30	285	350	360	300	100	535	269	0	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES-SHALLOW ROOT	130	40	35	35	0	150	0	67	0	0
VEGETABLES-DEEP ROOT	(C)	40	40	40	0	(C)	40	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	50	15	15	0	0	5	0	0	0	0
TOTAL CROP ACRES IRRIG.	2,200	1,640	1,815	1,275	1,065	330	575	336	0	0

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES-SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	VICTORIA					WALKER				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	420	225	0	0	0	0	0	100	0	0
GRAIN SORGHUM	0	0	0	0	0	0	0	675	0	0
CORN	30	0	0	0	0	0	0	0	0	0
RICE	3,647	4,331	5,175	4,785	7,698	0	0	0	0	0
WHEAT	0	0	0	0	0	0	0	0	0	0
OTHER GRAIN (D)	0	0	0	0	0	0	0	0	0	0
FORAGE CROPS	0	50	0	0	0	0	0	150	0	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	158	0	0	0	0	0	0	0	0	0
OTHER PERM. HAY-PASTURE	340	490	210	375	176	123	20	0	0	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	40	0	0	0	0	0	0	20	30	15
VEGETABLES--DEEP ROOT	(C)	0	0	0	0	(C)	0	355	400	15
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	100	165	175	0
TOTAL CROP ACRES IRRIG.	4,635	5,096	5,385	5,160	7,874	123	120	1,465	605	30

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	WALLER					WARD				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	1,959	395	300	200	0	2,270	518	1,138	0	0
GRAIN SORGHUM	200	1,156	156	0	0	595	0	0	0	0
CORN	250	120	0	0	0	25	0	0	0	0
RICE	12,670	12,420	16,942	17,745	14,541	0	0	0	0	0
WHEAT	0	0	0	0	0	0	0	150	0	0
OTHER GRAIN (D)	0	0	0	0	0	740	1,615	150	300	0
FORAGE CROPS	43	245	46	0	0	430	1,525	2,310	1,825	310
PEANUTS	25	0	25	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	2,031	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	20	40	10
OTHER ORCHARD + VINEYARD	0	0	0	0	5	0	3	3	0	0
ALFALFA	60	1,090	0	0	0	900	1,210	1,427	1,680	1,398
OTHER PERM. HAY-PASTURE	2,205	511	590	416	0	700	1,166	1,278	1,691	70
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES-SHALLOW ROOT	232	20	0	0	0	0	10	0	0	0
VEGETABLES-DEEP ROOT	(C)	0	0	0	0	(C)	0	20	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	17,644	15,957	18,059	18,361	16,577	5,660	6,047	6,496	5,536	1,788

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES-SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	WASHINGTON					WEBB				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	257	490	240	40	0	850	400	1,292	740	284
GRAIN SORGHUM	0	0	0	0	0	550	1,200	1,200	4,000	1,174
CORN	10	60	0	0	0	0	165	0	0	370
RICE	387	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	0	0	0	400
OTHER GRAIN (D)	0	0	0	0	0	550	1,400	1,000	0	0
FORAGE CROPS	80	0	30	0	0	1,020	2,750	2,700	0	574
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	350	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	30	50	80	10	0
PECANS	(B)	0	0	0	20	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	300	0	0
ALFALFA	140	0	0	0	0	50	0	0	0	0
OTHER PERM. HAY-PASTURE	400	424	78	150	0	150	1,200	1,515	4,000	400
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES-SHALLOW ROOT	30	0	0	0	0	6,140	4,600	4,485	1,470	602
VEGETABLES-DEEP ROOT	(C)	0	0	0	0	(C)	3,985	4,000	2,344	1,175
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	75	0	0	0	0
TOTAL CROP ACRES IRRIG.	1,304	974	698	190	20	9,415	15,750	16,572	12,564	4,979

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES-SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.—COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979—CONTINUED

IRRIGATED CROPS	WHARTON					WHEELER				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	8,450	9,950	5,739	3,029	0	565	660	900	1,560	2,620
GRAIN SOPGHUM	4,255	3,460	1,095	2,176	0	330	1,040	900	1,740	1,455
CORN	2,725	3,340	45	0	950	0	0	0	0	20
RICE	52,000	53,540	75,214	84,083	82,000	0	0	0	0	0
WHEAT	0	0	0	0	0	0	810	300	550	2,830
OTHER GRAIN (D)	0	0	0	0	0	0	0	0	0	320
FORAGE CROPS	0	0	0	0	0	0	210	250	540	2,400
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	1,000	(A)	(A)	0	0	60
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	0	0	0	0	0	255	700	1,090	2,020	2,400
OTHER PERM. HAY-PASTURE	200	750	160	0	0	0	440	870	1,620	800
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES—SHALLOW ROOT	0	0	0	0	0	0	0	0	0	20
VEGETABLES—DEEP ROOT	(C)	0	0	0	0	(C)	0	0	0	30
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	560	1,225	0	0	0	0	80
TOTAL CROP ACRES IRRIG.	67,630	71,040	82,253	89,848	85,175	1,150	3,860	4,310	8,030	13,035

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES—SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	WICHITA					WILBARGER				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	904	1,686	540	540	3,727	4,714	5,068	1,976	1,200	660
GRAIN SORGHUM	54	1,500	485	485	952	314	470	150	200	0
CORN	0	0	0	0	0	0	0	0	0	715
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	376	998	2,500	2,500	4,170	314	2,058	1,600	3,000	500
OTHER GRAIN (D)	781	687	975	975	343	0	0	0	0	500
FORAGE CROPS	2,090	2,513	4,800	4,800	3,000	0	1,400	1,650	1,650	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	30	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	30	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	6	0	0	15	0	0	0	0	0
ALFALFA	1,546	527	350	350	523	943	3,028	4,780	5,250	11,200
OTHER PERM. HAY-PASTURE	3,774	8,175	9,150	9,690	8,066	0	0	1,000	1,500	1,000
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	2	0	0	0	0	0
VEGETABLES-SHALLOW ROOT	89	11	0	0	1	0	0	0	0	0
VEGETABLES-DEEP ROOT	(C)	19	0	0	4	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	1,176	1,885	810	810	78	0	80	0	0	0
TOTAL CROP ACRES IRRIG.	10,790	18,007	19,610	20,150	20,941	6,285	12,104	11,156	12,800	14,575

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES-SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964



TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	WILLACY					WILLIAMSON				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	17,975	18,000	18,000	15,000	19,117	85	0	0	0	0
FRAIN SORGHUM	4,375	7,100	9,000	10,800	12,288	0	0	0	0	0
CORN	0	0	0	0	300	20	40	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	0	0	0	0
OTHER GRAIN (D)	0	500	0	0	0	0	0	0	0	0
FORAGE CROPS	400	0	0	0	0	29	54	325	175	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	200	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	5,700	3,000	3,600	3,000	2,500	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	0	0	0	0	0	25	100	0	0	0
OTHER PERM. HAY-PASTURE	300	1,500	1,423	1,500	1,000	5	55	328	153	70
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	900	0	1,500	1,000	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	3,750	3,800	4,000	2,300	1,100	0	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	2,600	200	400	1,870	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	2,318	0	0	0	(A)	0
ALL OTHER CROPS	1,000	0	0	3,723	0	0	0	0	20	10
TOTAL CROP ACRES IRRIG.	34,400	36,500	37,723	37,723	40,693	164	249	653	348	80

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.—COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979—CONTINUED

IRRIGATED CROPS	WILSON					WINKLER				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	253	548	0	0	0	30	25	0	0	0
GRAIN SORGHUM	267	1,100	610	1,485	0	200	0	0	0	0
CORN	705	0	199	140	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	600	1,510	0	0	0	0	0	300
OTHER GRAIN (D)	0	0	130	960	364	200	160	0	0	0
FORAGE CROPS	9,130	5,502	2,604	1,695	185	100	285	80	440	0
PEANUTS	690	1,131	5,928	7,666	6,717	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	130	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	69	67	0	0	0	0	3	0
ALFALFA	25	0	51	0	0	0	0	1,229	1,240	620
OTHER PERM. HAY-PASTURE	3,475	8,742	6,297	6,904	785	0	160	51	160	320
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES—SHALLOW ROOT	645	916	44	0	0	0	0	0	0	0
VEGETABLES—DEEP ROOT	(C)	552	86	160	0	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	20	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	10,190	18,491	16,618	20,607	8,181	530	630	1,360	1,843	1,240

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES—SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.—COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	WISE					WOOD				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	0	0	0	0	0	0	0	0	0	0
GRAIN SORGHUM	0	0	130	0	0	0	0	0	0	0
CORN	0	0	0	0	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	0	0	0	0
OTHER GRAIN (D)	0	0	0	0	0	0	0	0	0	0
FORAGE CROPS	0	0	0	0	185	0	0	0	0	0
PEANUTS	0	0	25	795	435	0	0	0	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	0	0	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	0	20	0	0	40	0	0	0	0	0
OTHER PERM. HAY-PASTURE	0	471	370	720	330	35	20	85	10	0
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES—SHALLOW ROOT	0	0	0	0	80	10	0	20	0	0
VEGETABLES—DEEP ROOT	(C)	0	0	0	0	(C)	340	345	40	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	5	0	10	0	0
TOTAL CROP ACRES IRRIG.	0	491	525	1,515	1,070	213	360	460	50	0

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES—SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	YOAKUM					YOUNG				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	15,000	27,400	35,000	43,000	85,000	0	0	0	0	0
FRAIN SORGHUM	16,400	32,100	43,274	35,115	15,965	0	0	0	0	0
CORN	0	0	200	0	1,000	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	1,820	1,000	1,980	3,510	1,000	0	0	85	345	0
OTHER GRAIN (D)	0	0	1,500	1,000	0	0	30	0	0	0
FORAGE CROPS	2,500	1,000	1,000	1,000	1,000	0	110	80	20	0
PEANUTS	0	0	46	40	145	0	0	0	0	0
SOYBEANS	(A)	(A)	0	80	320	(A)	(A)	0	0	0
OTHER OIL CROPS	(A)	(A)	1,500	0	0	(A)	(A)	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	(B)	0	0	40	160	(B)	0	0	0	0
OTHER ORCHARD + VINEYARD	0	0	40	130	160	0	0	0	0	0
ALFALFA	500	500	3,000	15,000	15,000	0	0	0	0	0
OTHER PERM. MAY-PASTURE	1,380	5,000	1,000	2,000	1,000	0	152	288	409	5
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
IRISH POTATOES	0	0	0	620	260	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	770	0	0	0	0	0	0	0	0	0
VEGETABLES--DEEP ROOT	(C)	0	200	935	900	(C)	0	0	0	0
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	5,200	4,800	0	0	0	0	0	0	0	0
TOTAL CROP ACRES IRRIG.	43,570	71,800	88,740	102,470	121,910	0	292	453	774	5

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
 (B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
 (D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 4.--COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979--CONTINUED

IRRIGATED CROPS	ZAPATA					ZAYALA				
	1958	1964	1969	1974	1979	1958	1964	1969	1974	1979
COTTON	1,339	1,200	624	890	1,323	7,000	7,950	5,796	9,845	20,000
GRAIN SORGHUM	200	500	1,500	844	0	20,695	52,648	57,661	21,000	15,000
CORN	500	500	200	0	18	5,500	4,403	3,000	15,000	16,500
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	1,000	2,500	5,000	4,800
OTHER GRAIN (D)	0	100	0	0	0	0	19,500	1,190	0	0
FORAGE CROPS	500	0	0	0	55	1,500	25,000	23,593	13,683	12,863
PEANUTS	0	0	0	0	0	136	0	76	0	0
SOYBEANS	(A)	(A)	0	0	0	(A)	(A)	0	165	350
OTHER OIL CROPS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
CITRUS	0	50	0	35	35	0	0	0	0	60
PECANS	(B)	0	0	0	0	(B)	0	0	76	1,626
OTHER ORCHARD + VINEYARD	0	0	0	0	22	0	0	0	0	0
ALFALFA	0	100	450	0	248	0	710	0	0	60
OTHER PERM. HAY-PASTURE	1,500	700	1,188	1,460	400	36,575	18,800	3,150	3,150	3,100
SUGAR BEETS	(A)	(A)	0	0	0	(A)	(A)	0	0	0
TRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES--SHALLOW ROOT	6,000	1,450	1,050	150	1,571	13,100	15,600	11,930	12,000	10,500
VEGETABLES--DEEP ROOT	(C)	500	1,726	755	1,665	(C)	12,600	4,760	4,760	4,777
SUGAR CANE	0	0	0	(A)	0	0	0	0	(A)	0
ALL OTHER CROPS	0	0	0	0	0	200	0	0	0	0
TOTAL CROP ACRES IRRIG.	10,039	5,100	6,738	4,134	5,337	84,706	158,211	113,656	85,479	89,636

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES--SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

TABLE 9.—COUNTY ACREAGES OF IRRIGATED CROPS, 1958, 1964, 1969, 1974, AND 1979—CONTINUED

IRRIGATED CROPS	STATE TOTAL				
	1958	1964	1969	1974	1979
COTTON	2,058,832	2,309,313	1,875,207	2,121,974	2,260,295
GRAIN SORGHUM	2,129,867	2,547,687	2,745,306	2,467,608	1,263,382
CORN	132,966	83,590	283,056	707,955	984,185
RICE	423,487	464,871	555,405	564,723	548,955
WHEAT	722,522	879,194	932,439	1,265,852	1,229,517
OTHER GRAIN (D)	228,588	225,062	81,618	123,014	85,700
FORAGE CROPS	245,310	326,899	633,662	271,316	279,674
PEANUTS	25,172	35,114	96,962	111,477	122,586
SOYBEANS	(A)	(A)	207,177	158,658	303,437
OTHER OIL CROPS	(A)	(A)	41,201	15,731	44,881
CITRUS	69,405	85,715	101,451	97,676	98,562
PECANS	(B)	7,022	10,785	16,588	38,294
OTHER ORCHARD + VINEYARD	3,482	1,086	4,853	5,318	3,165
ALFALFA	114,427	93,724	117,037	201,872	202,786
OTHER PERM. HAY-PASTURE	161,605	322,017	299,078	333,785	248,590
SUGAR BEETS	(A)	(A)	45,887	22,848	18,879
IRISH POTATOES	13,596	18,119	25,675	29,098	22,697
VEGETABLES—SHALLOW ROOT	508,776	183,244	124,905	100,154	112,104
VEGETABLES—DEEP ROOT	(C)	190,391	157,602	120,073	121,997
SUGAR CANE	0	0	0	(A)	35,468
ALL OTHER CROPS	170,374	223,385	6,838	36,748	34,261
TOTAL CROP ACRES IRRIG.	7,017,455	7,996,433	8,346,144	8,772,468	8,059,415

NOTES: (A) INCLUDED WITH ALL OTHER CROPS  
(B) INCLUDED WITH OTHER ORCHARD + VINEYARD

(C) INCLUDED WITH VEGETABLES—SHALLOW ROOT  
(D) INCLUDED ONLY OATS + BARLEY IN 1958 + 1964

**TABLE 5**

**MISCELLANEOUS COUNTYWIDE DATA FROM 1979 INVENTORY**





TABLE 5.--MISCELLANEOUS COUNTYWIDE DATA FROM 1979 INVENTORY

COUNTY	LINED DITCHES		UNDERGROUND PIPELINE		ON-FARM IMPOUNDMENTS		NO. OF IRRIG. UNITS	ACRES SERVED BY TRICKLE IRRIG.	ACRES SERVED BY SPRINKLER SYSTEMS		ACRES IRRIG. PREVIOUSLY BUT NOT IN 1979
	MILES	ACRES SERVED	MILFS	ACRES SERVED	NO.	ACRES SERVED			MOBILE	STATIONARY	
ANDERSON	0	0	.0	0	2	275	2	15	0	160	1,745
ANDREWS	0	0	22.0	4,938	0	0	45	0	8,957	250	0
ANGELINA	0	0	14.0	225	0	0	1	0	0	225	0
ARANSAS	0	0	.0	0	0	0	0	0	0	0	0
ARCHER	1	45	.0	0	0	0	1	0	0	0	235
ARMSTRONG	0	0	98.0	23,400	0	0	100	0	1,660	0	1,000
ATASCOSA	0	0	9.0	3,000	0	0	320	0	16,000	15,175	1,875
AUSTIN	0	0	1.5	107	0	0	10	0	0	0	13,100
BAILEY	0	0	889.0	140,000	0	0	750	0	87,110	16,114	1,200
BANDERA	0	0	.6	51	4	115	7	51	0	207	122
BASTROP	0	0	.0	0	0	0	1	0	0	0	2,500
BAYLOR	0	0	16.0	2,000	0	0	20	0	235	297	4,800
BEE	0	0	3.5	1,950	0	0	41	0	0	0	9,654
BELL	0	0	.0	0	0	0	11	7	190	585	990
BEXAR	18	1,320	20.6	3,000	10	640	300	0	800	5,319	4,120
BLANCO	0	0	.0	0	2	60	9	76	100	87	90
BORDEN	0	0	20.0	1,500	1	11	12	0	21	0	1,420
BOSQUE	0	0	6.8	595	0	0	22	0	1,020	163	1,931
BOWIE	0	0	1.0	451	1	277	7	0	140	0	11,060
BRAZORIA	0	0	.0	0	0	0	186	0	1,400	230	38,000
BRAZOS	4	1,200	1.5	300	3	150	80	0	200	250	13,500
BREWSTER	0	0	1.6	139	0	0	6	139	0	0	0
BRISCOE	0	0	330.0	64,900	1	252	358	0	3,387	1,500	0
BROOKS	0	0	3.0	800	0	0	27	0	285	0	2,894

TABLE 5.--MISCELLANEOUS COUNTYWIDE DATA FROM 1979 INVENTORY--CONTINUED

COUNTY	LINED DITCHES		UNDERGROUND PIPELINE		ON-FARM IMPOUNDMENTS		NO. OF IRRIG. UNITS	ACRES SERVED BY TRICKLE IRRIG.	ACRES SERVED BY SPRINKLER SYSTEMS		ACRES IRRIG. PREVIOUSLY BUT NOT IN 1979
	MILES	ACRES SERVED	MILES	ACRES SERVED	NO.	ACRES SERVED			MOBILE	STATIONARY	
BROWN	8	1,600	4.2	430	6	164	62	250	1,450	57	500
BURLESON	0	0	10.0	720	0	0	60	459	0	25	8,500
BURNET	0	0	.0	0	0	0	2	0	50	0	311
CALDWELL	0	0	.0	0	2	0	6	73	0	250	0
CALHOUN	0	0	4.0	1,300	0	0	42	0	0	0	23,992
CALLAHAN	0	0	.0	0	8	415	27	0	955	200	375
CAMERON	25	10,000	150.0	40,000	0	0	2,500	1,000	0	0	0
CAMP	0	0	.0	0	0	0	0	0	0	0	0
CARSON	0	0	489.0	130,000	0	0	405	0	3,790	0	0
CASS	0	0	.0	0	0	0	0	0	0	0	0
CASTRO	1	160	1,380.0	350,000	0	0	830	0	16,150	0	38,300
CHAMBERS	0	0	.0	0	0	0	160	0	0	0	132,000
CHEROKEE	0	0	2.2	65	3	131	3	0	0	131	160
CHILDRESS	0	0	32.0	6,000	0	0	65	0	4,437	640	900
CLAY	0	0	1.0	60	3	110	15	0	120	349	150
COCHRAN	0	0	279.0	90,886	0	0	325	0	46,943	57,375	21,040
COKE	0	0	.0	0	0	0	5	0	0	316	1,000
COLEMAN	0	0	.0	0	11	386	30	0	1,845	304	0
COLLIN	0	0	.0	0	0	0	0	0	0	0	0
COLLINGSWORTH	0	0	19.0	3,500	1	40	114	0	5,076	160	0
COLORADO	0	0	3.0	500	0	0	256	0	0	25	88,268
CONAL	0	0	.0	0	0	0	14	0	151	165	0
COMANCHE	0	0	152.3	8,530	68	3,540	500	5,250	29,215	3	0
CONCHO	1	90	.4	90	1	41	13	0	0	20	577

TABLE 5.--MISCELLANEOUS COUNTYWIDE DATA FROM 1979 INVENTORY--CONTINUED

COUNTY	LINED DITCHES		UNDERGROUND PIPELINE		ON-FARM IMPOUNDMENTS		NO. OF IRRIG. UNITS	ACRES SERVED BY TRICKLE IRRIG.	ACRES SERVED BY SPRINKLER SYSTEMS		ACRES IRRIG. PREVIOUSLY BUT NOT IN 1979
	MILES	ACRES SERVED	MILES	ACRES SERVED	NO.	ACRES SERVED			MOBILE	STATIONARY	
COOKE	0	0	.0	0	5	159	8	100	194	0	175
CORYELL	0	0	.0	0	1	50	7	13	0	340	275
COTTLE	0	0	17.0	2,700	0	0	40	0	913	50	6,100
CRANE	0	0	.0	0	0	0	0	0	0	0	0
CROCKETT	0	0	.6	200	0	0	5	0	180	729	680
CROSBY	0	0	735.0	108,000	5	1,047	700	50	9,860	300	95,610
CULBERSON	12	2,900	52.0	19,200	0	0	16	312	13,609	10	15,000
DALLAM	0	0	333.0	176,412	0	0	488	0	148,950	0	0
DALLAS	0	0	.0	0	0	0	0	0	0	0	450
DAWSON	0	0	133.0	56,000	0	0	180	0	36,700	20,000	0
DEAF SMITH	0	0	1,014.0	219,700	0	0	750	0	18,750	0	0
DELTA	0	0	.0	0	0	0	0	0	0	0	0
DENTON	0	0	.0	0	1	30	7	0	470	0	50
DEWITT	0	0	.0	0	0	0	23	0	60	380	942
DICKENS	0	0	112.0	12,000	4	420	73	25	3,741	3,479	3,700
DIMMIT	0	0	31.0	6,700	0	0	33	0	0	698	14,200
DONLEY	0	0	59.0	12,000	0	0	115	0	11,116	50	445
DUVAL	0	0	14.2	4,384	0	0	34	320	4,432	0	6,325
EASTLAND	0	0	4.5	480	50	2,711	186	0	11,449	602	0
ECTOR	0	0	12.0	500	0	0	300	200	3,280	0	0
EDWARDS	0	0	1.0	100	0	0	12	100	0	225	0
ELLIS	0	0	.0	0	0	0	0	0	0	0	500
EL PASO	313	27,500	10.0	1,100	0	0	546	0	0	90	1,700
ERATH	0	0	3.3	740	76	3,152	172	15	11,525	984	400

TABLE 5.--MISCELLANEOUS COUNTYWIDE DATA FROM 1979 INVENTORY--CONTINUED

COUNTY	LINED DITCHES		UNDERGROUND PIPELINE		ON-FARM IMPOUNDMENTS		NO. OF IRRIG. UNITS	ACRES SERVED BY TRICKLE IRRIG.	ACRES SERVED BY SPRINKLER SYSTEMS		ACRES IRRIG. PREVIOUSLY BUT NOT IN 1979
	MILES	ACRES SERVED	MILFS	ACRES SERVED	NO.	ACRES SERVED			MOBILE	STATIONARY	
FALLS	0	0	4.3	1,576	0	0	23	0	496	0	5,460
FANNIN	0	0	3.0	4,000	10	243	8	0	3,148	0	1,500
FAYETTE	0	0	.0	0	9	48	24	0	1,594	490	0
FISHER	0	0	3.0	700	2	80	50	0	1,000	330	350
FLOYD	0	0	1,159.0	177,000	0	0	650	0	3,847	155	0
FOARD	0	0	8.0	2,000	0	0	35	0	4,820	0	0
FORT BEND	0	0	2.0	310	0	0	140	0	760	310	47,000
FRANKLIN	0	0	.0	0	0	0	1	0	0	0	0
FREESTONE	0	0	.0	0	0	0	0	0	0	0	0
FRIO	0	0	30.0	11,000	0	0	190	200	45,260	14,974	2,000
GAINES	0	0	435.0	200,000	0	0	900	80	359,670	0	0
GALVESTON	0	0	.0	0	0	0	18	0	0	0	10,000
GARZA	0	0	78.0	11,420	0	0	181	0	480	0	0
GILLESPIE	0	0	.3	81	4	90	68	431	190	606	923
GLASSCOCK	0	0	165.0	25,000	0	0	131	100	1,784	50	960
GOLIAD	0	0	.0	0	0	0	0	0	0	0	6,843
GONZALES	0	0	.6	90	1	20	17	0	900	980	1,650
GRAY	0	0	110.0	24,100	0	0	175	0	6,414	750	4,200
GRAYSON	0	0	.0	0	18	760	40	0	2,377	0	302
GREGG	0	0	.0	0	0	0	0	0	0	0	0
GRIMES	0	0	.5	3	0	0	2	0	550	30	1,300
GUADALUPE	1	500	.0	0	0	0	46	205	250	3,281	600
HALE	0	0	1,751.0	277,358	0	0	1,200	0	28,000	0	34,135
HALL	0	0	64.5	15,028	0	0	140	0	22,891	300	1,200

TABLE 5.--MISCELLANEOUS COUNTYWIDE DATA FROM 1979 INVENTORY--CONTINUED

COUNTY	LINED DITCHES		UNDERGROUND PIPELINE		ON-FARM IMPOUNDMENTS		NO. OF IRRIG. UNITS	ACRES SERVED BY TRICKLE IRRIG.	ACRES SERVED BY SPRINKLER SYSTEMS		ACRES IRRIG. PREVIOUSLY BUT NOT IN 1979
	MILES	ACRES SERVED	MILES	ACRES SERVED	NO.	ACRES SERVED			MOBILE	STATIONARY	
HAMILTON	0	0	.0	0	2	90	6	0	0	550	2,225
HANSFORD	0	0	511.0	163,520	2	128	485	0	4,776	0	0
HARDEMAN	0	0	40.0	3,000	0	0	50	0	534	356	1,000
HARDIN	0	0	.0	0	0	0	6	0	0	0	5,000
HARRIS	0	0	.0	0	4	2,229	70	0	0	405	57,000
HARRISON	0	0	.0	0	0	0	2	0	0	5	0
HARTLEY	0	0	315.0	125,000	0	0	340	0	65,000	0	0
HASKELL	0	0	38.0	24,500	0	0	370	0	6,515	12,085	6,815
HAYS	2	80	.0	0	0	0	8	0	393	210	0
HEMPHILL	0	0	14.0	3,900	1	90	16	0	4,257	100	960
HENDERSON	0	0	1.0	300	0	0	1	210	0	0	0
HIDALGO	10	5,000	475.0	120,000	0	0	4,000	5,000	2,000	8,000	0
HILL	0	0	.0	0	0	0	5	0	800	0	1,200
HOCKLEY	0	0	682.0	71,780	0	0	750	0	87,366	4,598	90,500
HOOD	0	0	15.2	2,600	3	300	21	260	888	2,600	525
HOPKINS	0	0	.0	0	0	0	0	0	0	0	0
HOUSTON	0	0	.0	0	1	77	1	0	0	77	7,343
HOWARD	0	0	8.0	500	0	0	13	10	781	0	0
HUDSPETH	196	22,300	58.0	10,500	0	0	151	6	2,730	0	9,800
HUNT	0	0	.0	0	5	155	3	0	0	155	0
HUTCHINSON	0	0	275.0	79,000	0	0	148	0	900	200	1,160
IRION	4	856	1.1	286	0	0	44	50	0	586	1,100
JACK	0	0	.0	0	0	0	0	0	0	0	0
JACKSON	0	0	10.0	2,000	2	1,000	104	0	176	0	76,420

TABLE 5.--MISCELLANEOUS COUNTYWIDE DATA FROM 1979 INVENTORY--CONTINUED

COUNTY	LINED DITCHES		UNDERGROUND PIPELINE		ON-FARM IMPOUNDMENTS		NO. OF IRRIG. UNITS	ACRES SERVED BY TRICKLE IRRIG.	ACRES SERVED BY SPRINKLER SYSTEMS		ACRES IRRIG. PREVIOUSLY BUT NOT IN 1979
	MILES	ACRES SERVED	MILFS	ACRES SERVED	NO.	ACRES SERVED			MOBILE	STATIONARY	
JASPER	0	0	3.0	135	1	100	2	0	0	135	35
JEFF DAVIS	0	0	2.2	5,390	0	0	10	190	8,615	0	1,800
JEFFERSON	0	0	.0	0	4	4,000	190	0	0	0	129,000
JIM HOGG	0	0	.0	0	0	0	0	0	0	0	0
JIM WELLS	0	0	4.2	1,350	0	0	26	40	4,500	355	0
JOHNSON	0	0	.0	0	0	0	1	50	0	0	413
JONES	0	0	10.0	2,000	2	140	86	0	3,510	0	30
KARNES	0	0	.0	0	0	0	24	0	538	44	1,500
KAUFMAN	0	0	.0	0	0	0	0	0	0	0	0
KENDALL	0	0	.0	0	0	0	25	0	0	50	538
KENEDY	0	0	.0	0	1	400	1	0	400	0	0
KENT	0	0	4.0	800	0	0	20	16	200	424	998
KERR	0	0	1.5	160	0	0	25	20	0	850	600
KIMBLE	0	0	5.0	300	0	0	60	250	248	400	3,140
KING	0	0	2.0	600	1	150	13	0	172	35	1,100
KINNEY	2	400	10.0	3,000	0	0	23	0	413	0	1,250
KLEBERG	0	0	.0	0	3	140	5	0	940	140	0
KNOX	0	0	115.0	31,000	0	0	195	0	6,450	13,180	440
LAMAR	0	0	.0	0	2	92	3	0	205	0	0
LAMB	0	0	1,240.0	240,000	0	0	1,320	0	120,000	5,000	2,000
LAMPASAS	0	0	.4	57	0	0	14	0	27	93	537
LA SALLE	0	0	8.0	2,000	0	0	40	0	10,000	3,055	2,000
LAYACA	0	0	.5	300	3	100	50	0	0	1,054	20,800
LEE	0	0	.0	0	2	35	5	0	0	215	0

TABLE 5.--MISCELLANEOUS COUNTYWIDE DATA FROM 1979 INVENTORY--CONTINUED

COUNTY	LINED DITCHES		UNDERGROUND PIPELINE		ON-FARM IMPOUNDMENTS		NO. OF IRRIG. UNITS	ACRES SERVED BY TRICKLE IRRIG.	ACRES SERVED BY SPRINKLER SYSTEMS		ACRES IRRIG. PREVIOUSLY BUT NOT IN 1979
	MILES	ACRES SERVED	MILFS	ACRES SERVED	NO.	ACRES SERVED			MOBILE	STATIONARY	
LEDN	0	0	.0	0	0	0	0	0	0	0	0
LIBERTY	0	0	.0	0	12	7,000	80	0	0	0	81,500
LIMESTONE	0	0	.0	0	0	0	0	0	0	0	40
LIPSCOMB	0	0	58.0	31,714	0	0	152	0	28,565	225	0
LIVE OAK	0	0	.0	0	0	0	3	0	420	0	0
LLANO	0	0	2.0	200	3	25	33	25	590	367	504
LOVING	0	0	.0	0	0	0	1	0	0	0	900
LUBBOCK	0	0	1,290.0	160,000	0	0	1,209	300	14,830	700	200,000
LYNN	0	0	235.0	39,000	1	300	450	24	16,860	1,200	720
MCCULLOCH	1	56	.4	50	1	70	30	0	2,859	0	0
MCLENNAN	3	580	1.6	500	0	0	40	0	0	0	7,240
MCMULLEN	0	0	.0	0	0	0	0	0	0	0	0
MADISON	0	0	.0	0	2	100	1	0	0	0	400
MARION	0	0	.0	0	0	0	0	0	0	0	0
MARTIN	0	0	115.0	20,000	0	0	160	100	17,000	8,000	0
MASON	0	0	1.0	80	3	100	190	6	6,901	50	2,910
MATAGORDA	0	0	5.0	2,400	0	0	320	0	3,424	500	105,600
MAVERICK	156	20,410	5.0	700	0	0	225	0	640	0	0
MEDINA	9	2,900	53.0	18,000	0	0	1,340	500	5,900	85	0
MENARD	4	150	1.2	150	2	200	56	50	70	50	105
MIDLAND	0	0	75.0	11,600	0	0	110	465	13,300	800	0
MILAM	0	0	.0	0	1	15	4	45	0	80	5,690
MILLS	7	1,010	.7	120	0	0	8	200	450	25	3,625
MITCHELL	0	0	19.0	5,000	0	0	60	15	2,440	500	6,000



TABLE 5.—MISCELLANEOUS COUNTYWIDE DATA FROM 1979 INVENTORY—CONTINUED

COUNTY	LINED DITCHES		UNDERGROUND PIPELINE		ON-FARM IMPOUNDMENTS		NO. OF IRRIG. UNITS	ACRES SERVED BY TRICKLE IRRIG.	ACRES SERVED BY SPRINKLER SYSTEMS		ACRES IRRIG. PREVIOUSLY BUT NOT IN 1979
	MILES	ACRES SERVED	MILES	ACRES SERVED	NO.	ACRES SERVED			MOBILE	STATIONARY	
MONTAGUE	0	0	.0	0	7	190	7	90	345	0	420
MONTGOMERY	0	0	.0	0	0	0	0	0	0	0	0
MOORE	0	0	704.0	209,160	0	0	520	0	5,830	0	0
MORRIS	0	0	.0	0	4	275	2	0	275	0	0
MOTLEY	0	0	31.7	4,000	1	40	87	0	7,164	0	0
NACOGDOCHES	0	0	.0	0	0	0	0	0	0	0	25
NAVARRO	0	0	.0	0	0	0	0	0	0	0	0
NEWTON	0	0	1.0	50	2	1,130	7	0	0	30	20
NOLAN	0	0	9.0	1,500	1	70	31	2	1,735	30	1,945
NUECES	0	0	.0	0	0	0	25	0	0	0	7,500
OCHILTREE	0	0	295.0	92,829	0	0	437	0	3,760	500	0
OLDHAM	0	0	70.0	11,830	0	0	50	0	970	60	0
ORANGE	0	0	.0	0	0	0	6	0	0	0	3,800
PALO PINTO	0	0	.5	40	2	40	7	0	268	40	400
PANOLA	0	0	.0	0	0	0	0	0	0	0	0
PARKER	0	0	.0	0	2	97	17	0	647	0	1,350
PARMER	0	0	1,373.0	373,250	1	290	1,128	0	57,485	145	0
PECOS	160	14,000	92.0	8,000	0	0	64	425	3,097	0	45,000
POLK	0	0	1.0	100	0	0	7	0	0	85	80
POTTER	0	0	38.0	12,840	0	0	30	0	2,160	0	350
PRESIDIO	22	3,400	2.8	700	0	0	51	0	2,940	0	1,438
RAINS	0	0	.0	0	0	0	0	0	0	0	0
RANDALL	0	0	450.0	66,240	1	350	240	0	3,580	0	7,360
REAGAN	0	0	56.9	30,000	0	0	116	80	0	27	2,500

TABLE 5.--MISCELLANEOUS COUNTYWIDE DATA FROM 1979 INVENTORY--CONTINUED

COUNTY	LINED DITCHES		UNDERGROUND PIPELINE		ON-FARM IMPOUNDMENTS		NO. OF IRRIG. UNITS	ACRES SERVED BY TRICKLE IRRIG.	ACRES SERVED BY SPRINKLER SYSTEMS		ACRES IRRIG. PREVIOUSLY BUT NOT IN 1979
	MILES	ACRES SERVED	MILES	ACRES SERVED	NO.	ACRES SERVED			MOBILE	STATIONARY	
REAL	0	0	2.4	220	0	0	12	4	0	326	580
RED RIVER	0	0	.0	0	0	0	2	0	1,000	80	0
REEVES	213	16,000	44.0	27,000	0	0	102	300	11,240	130	64,000
REFUGIO	0	0	.0	0	0	0	2	0	0	0	500
ROBERTS	0	0	26.8	5,400	0	0	35	0	2,930	300	1,200
ROBERTSON	0	0	2.0	800	1	80	130	0	80	275	10,000
ROCKWALL	0	0	.0	0	0	0	0	0	0	0	0
RUNNELS	1	188	8.2	926	3	150	197	248	1,392	1,116	5,419
RUSK	0	0	.1	3	2	5	3	3	0	7	50
SABINE	0	0	.0	0	0	0	0	0	0	0	0
SAN AUGUSTINE	0	0	.0	0	0	0	0	0	0	0	0
SAN JACINTO	0	0	.0	0	0	0	0	0	0	0	0
SAN PATRICIO	2	3,350	3.1	940	1	60	75	0	34	60	18,130
SAN SABA	2	300	15.0	4,000	5	1,000	48	150	735	160	2,540
SCHLEICHER	0	0	1.0	200	0	0	18	20	0	491	1,800
SCURRY	0	0	18.0	2,700	0	0	100	0	3,275	480	1,430
SHACKELFORD	0	0	.5	60	1	12	4	0	388	0	110
SHELBY	0	0	.0	0	0	0	0	0	0	0	0
SHERMAN	0	0	597.0	191,040	3	210	450	0	57,735	0	34,000
SMITH	0	0	2.5	225	8	595	5	15	0	580	0
SOMERVELL	0	0	.0	0	0	0	7	0	715	0	0
STARR	5	2,000	20.0	10,000	0	0	200	0	0	0	0
STEPHENS	0	0	.5	190	1	70	10	0	617	180	415
STERLING	5	158	4.0	700	0	0	11	0	171	462	1,700

TABLE 5.--MISCELLANEOUS COUNTYWIDE DATA FROM 1979 INVENTORY--CONTINUED

COUNTY	LINED DITCHES		UNDERGROUND PIPELINE		ON-FARM IMPOUNDMENTS		NO. OF IRRIG. UNITS	ACRES SERVED BY TRICKLE IRRIG.	ACRES SERVED BY SPRINKLER SYSTEMS		ACRES IRRIG. PREVIOUSLY BUT NOT IN 1979
	MILES	ACRES SERVED	MILES	ACRES SERVED	NO.	ACRES SERVED			MOBILE	STATIONARY	
STONEWALL	0	0	.9	158	0	0	4	0	66	10	123
SUTTON	1	45	1.2	418	0	0	9	58	107	129	548
SWISHER	0	0	1,180.0	110,000	0	0	900	0	8,300	200	0
TARRANT	0	0	.0	0	4	25	8	0	0	219	65
TAYLOR	0	0	1.5	200	5	245	25	0	933	160	275
TERRELL	1	52	.7	88	0	0	5	88	54	0	455
TERRY	0	0	340.0	85,000	0	0	500	10	132,908	32,422	0
THROCKMORTON	0	0	.0	0	0	0	0	0	0	0	85
TITUS	0	0	.0	0	0	0	0	0	0	0	0
TOM GREEN	60	10,700	105.0	10,500	0	0	350	200	1,800	700	5,000
TRAVIS	0	0	.0	0	1	40	3	0	100	160	900
TRINITY	0	0	.0	0	0	0	0	0	0	0	0
TYLER	0	0	2.7	35	0	0	0	0	0	0	35
UPSHUR	0	0	.0	0	0	0	0	0	0	0	0
UPTON	0	0	29.5	16,000	0	0	50	100	340	100	800
UVALDE	10	1,300	139.0	39,100	4	1,280	140	600	12,261	0	0
VAL VERDE	1	60	.0	0	0	0	35	20	0	230	1,540
VAN ZANDT	0	0	2.5	50	0	0	0	0	0	0	0
VICTORIA	0	0	9.0	3,000	0	0	24	0	176	0	20,028
WALKER	0	0	.0	0	1	20	1	0	0	30	1,300
WALLER	0	0	3.0	520	0	0	60	5	1,000	0	45,100
WARD	5	1,040	.8	175	0	0	26	10	45	0	5,000
WASHINGTON	0	0	1.0	20	0	0	1	20	0	0	650
WEBB	4	1,000	4.0	1,000	0	0	12	0	1,849	0	0

TABLE 5.--MISCELLANEOUS COUNTYWIDE DATA FROM 1979 INVENTORY--CONTINUED

COUNTY	LINED DITCHES		UNDERGROUND PIPELINE		ON-FARM IMPOUNDMENTS		NO. OF IRRIG. UNITS	ACRES SERVED BY TRICKLE IRRIG.	ACRES SERVED BY SPRINKLER SYSTEMS		ACRES IRRIG. PREVIOUSLY BUT NOT IN 1979
	MILES	ACRES SERVED	MILES	ACRES SERVED	NO.	ACRES SERVED			MOBILE	STATIONARY	
WHARTON	0	0	25.0	10,000	2	1,150	387	0	1,225	200	185,000
WHEELER	0	0	20.0	4,000	0	0	120	0	9,500	3,535	2,500
WICHITA	26	8,942	7.3	2,040	0	0	576	1	0	0	2,100
WILBARGER	0	0	85.0	10,000	2	795	170	0	11,385	2,475	0
WILLACY	0	0	100.0	37,723	0	0	400	0	0	0	0
WILLIAMSON	0	0	.0	0	0	0	2	0	0	80	175
WILSON	0	0	10.0	3,500	0	0	108	10	4,000	3,987	0
WINKLER	0	0	4.8	1,240	0	0	1	0	1,240	0	600
WISE	0	0	.0	0	2	200	16	0	200	870	200
WOOD	0	0	.0	0	0	0	0	0	0	0	0
YOAKUM	0	0	184.0	58,880	0	0	365	0	121,310	0	6,080
YOUNG	0	0	.0	0	0	0	1	0	5	0	1,434
ZAPATA	4	1,000	5.0	1,500	1	65	10	0	1,130	0	0
ZAVALA	35	5,000	150.0	22,000	0	0	150	76	8,100	84	23,000
STATE TOTALS	1,335	167,592	22,303.1	4,899,901	445	40,862	37,388	19,788	1,927,532	269,469	2,050,802



**TABLE 6**  
**IRRIGATED ACRES AND WATER USE BY MAJOR IRRIGATION AREAS,**  
**1958, 1964, 1969, 1974, AND 1979**



TABLE 6.--IRRIGATED ACRES AND WATER USE BY MAJOR IRRIGATION AREAS

NORTH HIGH PLAINS (North of the Canadian River)				NORTH HIGH PLAINS --continued (North of the Canadian River)			
COUNTY	YEAR	ACRES	ACRE-FEET	COUNTY	YEAR	ACRES	ACRE-FEET
Dallam	1958	42,225	49,874	Sherman	1958	50,000	60,200
	1964	76,970	120,083		1964	137,200	182,000
	1969	128,600	160,985		1969	252,578	284,537
	1974	155,905	243,520		1974	273,651	330,277
	1979	220,515	323,345		1979	231,000	268,267
Hansford	1958	69,150	80,717	Subtotal	1958	312,815	357,014
	1964	164,000	197,062		1964	619,875	835,773
	1969	239,450	357,867		1969	1,124,458	1,362,076
	1974	252,450	409,471		1974	1,262,516	1,794,346
	1979	251,750	390,678		1979	1,337,379	1,748,996
Hartley	1958	18,330	19,822	SOUTH HIGH PLAINS (South of the Canadian River)			
	1964	47,365	75,312				
	1969	121,990	146,467				
	1974	140,000	187,972				
	1979	200,000	251,417				
Hutchinson	1958	35,010	43,495	Andrews	1958	1,200	1,699
	1964	40,780	53,175		1964	8,000	16,393
	1969	62,000	78,200		1969	2,389	1,198
	1974	69,954	87,558		1974	5,353	5,278
	1979	80,389	102,539		1979	9,207	9,132
Moore	1958	81,280	83,828	Armstrong	1958	24,845	21,509
	1964	113,180	160,534		1964	27,825	43,782
	1969	212,780	218,828		1969	25,518	33,068
	1974	230,136	327,908		1974	26,348	30,308
	1979	233,725	304,033		1979	24,370	12,837
Ochiltree	1958	16,820	19,078	Bailey	1958	147,000	256,887
	1964	40,380	47,607		1964	149,210	354,508
	1969	107,060	115,192		1969	157,170	184,883
	1974	140,420	207,640		1974	166,518	375,874
	1979	120,000	108,717		1979	182,338	252,185



TABLE 6.--IRRIGATED ACRES AND WATER USE BY MAJOR IRRIGATION AREAS--continued

SOUTH HIGH PLAINS--continued				SOUTH HIGH PLAINS--continued			
COUNTY	YEAR	ACRES	ACRE-FEET	COUNTY	YEAR	ACRES	ACRE-FEET
Borden	1958	1,400	808	Dawson	1958	70,000	105,116
	1964	1,400	709		1964	100,000	148,783
	1969	1,401	716		1969	74,570	42,192
	1974	741	628		1974	52,020	31,245
	1979	291	303		1979	56,700	9,700
Briscoe	1958	55,000	38,817	Deaf Smith	1958	282,660	407,293
	1964	70,200	111,348		1964	304,400	469,145
	1969	63,970	96,069		1969	275,100	481,525
	1974	66,196	103,045		1974	310,000	514,799
	1979	65,776	95,350		1979	294,500	315,706
Carson	1958	65,400	61,065	Dickens	1958	10,504	10,504
	1964	104,310	149,906		1964	11,994	11,994
	1969	124,725	175,800		1969	19,047	16,916
	1974	130,420	184,354		1974	19,137	15,288
	1979	134,050	160,365		1979	12,957	3,279
Castro	1958	401,670	354,475	Ector	1958	0	0
	1964	406,500	634,300		1964	2,200	5,712
	1969	411,500	548,634		1969	4,100	3,708
	1974	408,948	546,160		1974	2,980	3,607
	1979	368,650	411,731		1979	3,280	3,693
Cochran	1958	65,600	108,784	Floyd	1958	300,250	188,592
	1964	88,600	125,266		1964	321,910	256,026
	1969	84,600	65,312		1969	315,000	317,646
	1974	104,474	85,564		1974	306,320	287,400
	1979	105,195	28,095		1979	277,295	176,968
Crosby	1958	200,000	139,148	Gaines	1958	108,000	153,467
	1964	168,400	188,448		1964	225,000	285,084
	1969	167,350	215,809		1969	319,920	146,885
	1974	164,855	232,800		1974	350,500	310,826
	1979	52,800	43,088		1979	359,670	413,032

TABLE 6 --IRRIGATED ACRES AND WATER USE BY MAJOR IRRIGATION AREAS--continued

SOUTH HIGH PLAINS--continued				SOUTH HIGH PLAINS--continued			
COUNTY	YEAR	ACRES	ACRE-FEET	COUNTY	YEAR	ACRES	ACRE-FEET
Garza	1958	14,000	15,000	Lubbock	1958	350,000	291,264
	1964	14,843	18,014		1964	350,014	213,298
	1969	15,513	16,484		1969	325,000	189,850
	1974	12,000	16,667		1974	300,000	278,409
	1979	11,900	11,894		1979	95,395	25,980
Gray	1958	8,880	8,356	Lynn	1958	65,000	79,501
	1964	16,790	22,869		1964	79,200	79,067
	1969	29,252	39,190		1969	92,070	23,477
	1974	33,559	45,719		1974	72,485	72,382
	1979	31,683	27,546		1979	64,559	38,290
Hale	1958	533,455	575,752	Martin	1958	26,200	40,675
	1964	461,800	1,105,616		1964	22,000	45,665
	1969	352,520	680,167		1969	28,952	29,187
	1974	431,495	826,357		1974	26,715	29,825
	1979	386,891	356,949		1979	25,000	15,625
Hockley	1958	160,000	165,014	Midland	1958	12,175	24,866
	1964	194,400	397,983		1964	11,826	14,847
	1969	194,225	214,696		1969	28,505	33,429
	1974	223,406	345,502		1974	29,385	37,457
	1979	100,500	45,017		1979	17,745	24,571
Howard	1958	1,000	1,533	Parmer	1958	404,222	773,936
	1964	1,200	2,167		1964	377,000	574,020
	1969	1,966	1,379		1969	318,647	493,295
	1974	2,446	2,504		1974	382,210	605,697
	1979	791	856		1979	417,986	592,805
Lamb	1958	292,460	395,982	Randall	1958	95,000	86,986
	1964	331,180	683,252		1964	91,000	147,717
	1969	317,847	388,875		1969	84,659	87,545
	1974	326,070	413,872		1974	85,219	96,883
	1979	296,600	320,033		1979	74,446	79,955

TABLE 6.--IRRIGATED ACRES AND WATER USE BY MAJOR IRRIGATION AREAS--continued

SOUTH HIGH PLAINS--continued				LOWER RIO GRANDE VALLEY			
COUNTY	YEAR	ACRES	ACRE-FEET	COUNTY	YEAR	ACRES	ACRE-FEET
Swisher	1958	319,200	265,026	Cameron	1958	280,823	585,132
	1964	279,012	471,623		1964	282,800	366,500
	1969	249,700	369,637		1969	287,445	414,528
	1974	316,800	474,878		1974	287,445	392,245
	1979	132,624	157,952		1979	287,445	330,067
Terry	1958	136,034	135,586	Hidalgo	1958	419,900	596,999
	1964	130,000	170,313		1964	466,471	507,170
	1969	169,700	58,057		1969	450,292	608,865
	1974	173,230	145,570		1974	443,650	602,650
	1979	166,336	57,712		1979	438,650	552,175
Yoakum	1958	38,370	67,910	Starr	1958	35,441	41,097
	1964	68,500	61,825		1964	33,450	47,367
	1969	88,740	74,295		1969	32,500	44,421
	1974	102,340	138,651		1974	25,576	26,155
	1979	121,910	122,912		1979	25,576	25,909
Subtotal	1958	4,189,525	4,775,551	Willacy	1958	31,400	49,084
	1964	4,418,714	6,809,680		1964	36,500	58,992
	1969	4,343,656	5,030,824		1969	37,723	49,268
	1974	4,632,170	6,256,549		1974	37,723	53,896
	1979	3,891,445	3,813,561		1979	37,723	28,112
TOTAL HIGH PLAINS	1958	4,502,340	5,132,565	Total	1958	767,564	1,272,312
	1964	5,038,589	7,645,453		1964	819,221	980,029
	1969	5,468,114	6,392,900		1969	807,960	1,117,082
	1974	5,894,686	8,050,895		1974	794,394	1,074,946
	1979	5,228,824	5,562,557		1979	789,394	936,263

TABLE 6.--IRRIGATED ACRES AND WATER USE BY MAJOR IRRIGATION AREAS-continued

MIDDLE RIO GRANDE VALLEY				EL PASO VALLEY-continued				
COUNTY	YEAR	ACRES	ACRE-FEET	COUNTY	YEAR	ACRES	ACRE-FEET	
Maverick	1958	29,431	35,001	Total	1958	62,695	215,337	
	1964	38,449	110,696		1964	64,700	156,890	
	1969	46,629	117,706		1969	71,892	254,362	
	1974	42,729	100,930		1974	68,395	216,146	
	1979	42,030	63,337		1979	64,320	192,941	
Webb	1958	8,110	9,891	Culberson	TRANS-PECOS	1958	9,905	29,176
	1964	12,050	22,937			1964	10,480	24,512
	1969	16,572	23,305			1969	8,974	31,861
	1974	12,564	14,934			1974	8,429	28,935
	1979	4,979	3,556			1979	21,105	46,885
Total	1958	37,541	44,892	Hudspeth (Dell City)	1958	20,700	70,992	
	1964	50,499	133,633		1964	30,970	98,760	
	1969	63,201	141,011		1969	21,954	89,551	
	1974	55,293	115,864		1974	33,452	135,905	
	1979	47,009	66,893		1979	40,081	148,744	
EL PASO VALLEY				Pecos	1958	117,413	345,266	
El Paso	1958	55,551	193,002		1964	119,313	367,455	
	1964	55,000	140,681		1969	55,043	201,748	
	1969	57,919	206,014		1974	51,795	183,669	
	1974	56,375	179,310		1979	27,291	94,462	
	1979	53,810	165,075	Reeves	1958	96,000	368,568	
Hudspeth (River Area)	1958	7,144	22,335		1964	118,200	414,217	
	1964	9,700	16,209		1969	82,035	334,392	
	1969	13,973	48,348		1974	78,170	319,785	
	1974	12,020	36,836		1979	36,502	127,469	
	1979	10,510	27,866					

TABLE 6.--IRRIGATED ACRES AND WATER USE BY MAJOR IRRIGATION AREAS-continued

TRANS-PECOS -continued				WINTER GARDEN-SAN ANTONIO AREA-continued			
COUNTY	YEAR	ACRES	ACRE-FEET	COUNTY	YEAR	ACRES	ACRE-FEET
Ward	1958	5,660	14,739	Frio	1958	24,200	30,373
	1964	5,447	18,240		1964	44,595	56,300
	1969	6,496	23,806		1969	54,474	74,327
	1974	5,536	22,975		1974	61,484	72,794
	1979	1,788	7,549		1979	68,404	76,685
Total	1958	249,678	828,741	Medina	1958	13,400	21,893
	1964	284,410	923,184		1964	19,564	38,169
	1969	174,502	681,358		1969	26,210	62,635
	1974	177,382	691,269		1974	34,450	69,667
	1979	126,767	425,109		1979	38,050	65,370
WINTER GARDEN-SAN ANTONIO AREA				Uvalde	1958	13,945	18,030
					1964	21,379	33,939
1969	35,596	49,402					
1974	40,412	70,312					
1979	39,612	78,105					
Atascosa	1958	23,200	30,915	Wilson	1958	10,190	14,857
	1964	28,505	43,479		1964	18,491	15,519
	1969	33,050	52,155		1969	16,618	13,669
	1974	34,735	57,096		1974	19,621	17,707
	1979	31,175	55,799		1979	8,117	6,388
Bexar	1958	27,100	39,195	Zavala	1958	82,400	89,247
	1964	29,961	61,771		1964	138,652	271,938
	1969	29,229	34,534		1969	108,656	195,361
	1974	26,462	27,652		1974	81,382	146,315
	1979	24,051	35,250		1979	85,510	146,793
Dimmit	1958	21,100	26,213	Total	1958	215,535	270,723
	1964	19,718	28,241		1964	320,865	549,356
	1969	28,289	34,862		1969	332,122	516,944
	1974	23,576	33,522		1974	322,122	495,065
	1979	14,093	21,558		1979	309,012	485,948

TABLE 6.--IRRIGATED ACRES AND WATER USE BY MAJOR IRRIGATION AREAS-continued

COASTAL BEND				GULF COAST PRAIRIE-continued			
COUNTY	YEAR	ACRES	ACRE-FEET	COUNTY	YEAR	ACRES	ACRE-FEET
Nueces	1958	5,240	3,419	Chambers	1958	39,273	117,819
	1964	10,304	6,445		1964	45,315	113,262
	1969	6,301	3,432		1969	51,383	128,457
	1974	250	83		1974	50,105	125,262
	1979	0	0		1979	53,090	106,180
San Patricio	1958	17,000	20,785	Colorado	1958	37,284	111,422
	1964	19,960	8,840		1964	37,485	147,647
	1969	13,839	6,253		1969	42,741	175,740
	1974	10,730	5,986		1974	47,478	178,127
	1979	2,123	1,375		1979	45,685	154,254
Total	1958	22,240	24,204	Fort Bend	1958	27,362	65,193
	1964	30,264	15,285		1964	26,713	51,075
	1969	20,140	9,685		1969	33,540	85,869
	1974	10,980	6,069		1974	27,150	68,491
	1979	2,123	1,375		1979	26,627	55,254
GULF COAST PRAIRIE				Galveston	1958	10,850	37,975
Brazoria	1958	51,295	167,389		1964	12,200	29,848
	1964	56,355	133,783		1969	6,571	19,762
	1969	69,560	218,068		1974	6,850	17,508
	1974	59,368	158,315		1979	11,143	24,009
	1979	67,098	141,760	Harris	1958	35,350	103,633
Calhoun	1958	7,947	14,739		1964	38,050	85,410
	1964	7,627	22,480		1969	36,619	121,527
	1969	8,832	38,579		1974	31,932	90,941
	1974	11,019	43,171		1979	22,844	49,933
	1979	12,196	35,843	Jackson	1958	28,165	97,808
			1964		28,481	89,327	
			1969		33,750	116,417	
			1974		41,784	125,506	
			1979		41,489	131,382	

TABLE 6.--IRRIGATED ACRES AND WATER USE BY MAJOR IRRIGATION AREAS--continued

GULF COAST PRAIRIE--continued				GULF COAST PRAIRIE--continued			
COUNTY	YEAR	ACRES	ACRE-FEET	COUNTY	YEAR	ACRES	ACRE-FEET
Jefferson	1958	54,100	162,300	Waller	1958	17,493	25,446
	1964	60,485	151,212		1964	15,957	23,068
	1969	70,970	177,425		1969	17,759	28,915
	1974	69,470	173,675		1974	18,361	29,984
	1979	64,172	106,953		1979	16,577	25,255
Lavaca	1958	5,667	13,579	Wharton	1958	67,630	167,185
	1964	6,480	15,691		1964	71,040	146,598
	1969	8,242	23,695		1969	82,253	239,068
	1974	8,222	24,325		1974	89,848	255,226
	1979	9,054	26,779		1979	85,175	163,195
Liberty	1958	34,205	102,615	Total	1958	460,777	1,350,779
	1964	36,698	88,403		1964	498,780	1,338,896
	1969	43,556	101,828		1969	570,793	1,719,038
	1974	44,372	103,694		1974	571,037	1,629,276
	1979	32,400	78,714		1979	553,922	1,334,766
Matagorda	1958	35,200	140,460	BRAZOS RIVER VALLEY			
	1964	45,952	213,577				
	1969	55,400	216,050				
	1974	55,686	208,659				
	1979	56,759	206,231				
Orange	1958	4,321	7,202	Brazos	1958	17,600	15,079
	1964	4,846	14,403		1964	24,830	25,730
	1969	4,232	10,300		1969	20,690	17,776
	1974	4,232	10,300		1974	8,700	5,908
	1979	1,739	3,188		1979	10,450	8,258
Victoria	1958	4,635	16,014	Burleson	1958	10,460	10,447
	1964	5,096	13,112		1964	18,605	19,745
	1969	5,385	17,338		1969	14,040	17,132
	1974	5,160	16,092		1974	14,635	9,762
	1979	7,874	25,836		1979	11,613	8,798

TABLE 6.--IRRIGATED ACRES AND WATER USE BY MAJOR IRRIGATION AREAS-continued

BRAZOS RIVER VALLEY-continued				WEST CROSS TIMBERS			
COUNTY	YEAR	ACRES	ACRE-FEET	COUNTY	YEAR	ACRES	ACRE-FEET
Falls	1958	5,525	4,574	Brown	1958	3,696	1,384
	1964	6,413	8,250		1964	4,997	7,247
	1969	7,606	6,906		1969	10,466	25,887
	1974	7,606	6,970		1974	11,016	28,104
	1979	3,946	2,649		1979	7,904	5,732
McLennan	1958	4,015	1,942	Comanche	1958	1,585	1,306
	1964	7,233	3,213		1964	2,595	2,407
	1969	6,642	5,181		1969	20,026	19,552
	1974	6,509	4,907		1974	21,717	18,253
	1979	0	0		1979	34,841	22,631
Milam	1958	2,365	1,836	Eastland	1958	265	163
	1964	4,504	3,434		1964	978	831
	1969	1,945	787		1969	10,045	10,007
	1974	2,025	1,313		1974	10,386	10,459
	1979	165	117		1979	12,051	13,088
Robertson	1958	34,910	26,897	Erath	1958	1,984	2,293
	1964	41,315	39,008		1964	3,174	2,908
	1969	23,415	19,741		1969	6,453	6,831
	1974	22,295	20,064		1974	12,524	12,861
	1979	19,740	14,591		1979	12,524	11,987
Total	1958	74,875	60,775	Hamilton	1958	900	485
	1964	102,900	99,380		1964	1,705	693
	1969	74,338	67,523		1969	1,925	1,882
	1974	61,770	48,924		1974	2,775	1,710
	1979	45,914	34,413		1979	550	290
				Hood	1958	1,250	976
					1964	900	853
					1969	1,345	795
					1974	1,000	500
					1979	3,748	1,874



TABLE 6.--IRRIGATED ACRES AND WATER USE BY MAJOR IRRIGATION AREAS--continued

WEST CROSS TIMBERS--continued				NORTH-CENTRAL TEXAS--continued			
COUNTY	YEAR	ACRES	ACRE-FEET	COUNTY	YEAR	ACRES	ACRE-FEET
Mills	1958	1,880	3,066	Callahan	1958	0	0
	1964	2,387	2,455		1964	319	160
	1969	2,083	4,092		1969	1,002	1,670
	1974	3,120	6,559		1974	1,425	1,819
	1979	1,945	1,637		1979	1,155	698
Palo Pinto	1958	1,183	1,071	Childress	1958	7,500	12,499
	1964	373	208		1964	11,356	17,261
	1969	2,077	1,327		1969	11,601	8,903
	1974	1,680	840		1974	12,033	9,383
	1979	308	55		1979	11,746	9,747
Parker	1958	1,542	529	Collingsworth	1958	6,930	6,803
	1964	1,152	1,270		1964	7,985	6,469
	1969	1,139	1,116		1969	7,750	5,084
	1974	800	504		1974	8,975	17,640
	1979	647	363		1979	6,081	2,881
Total	1958	14,285	11,273	Concho	1958	500	250
	1964	18,261	18,872		1964	1,355	1,931
	1969	55,559	71,489		1969	1,530	1,868
	1974	65,018	79,790		1974	1,228	740
	1979	74,518	57,657		1979	906	654
Baylor	NORTH-CENTRAL TEXAS			Cottle	1958	11,973	18,385
	1958	3,736	3,371		1964	13,250	13,688
	1964	6,256	6,092		1969	5,450	5,463
	1969	7,220	6,483		1974	6,800	4,683
	1974	7,220	5,661		1979	1,455	1,298
Fisher	1979	1,777	794	1958	2,350	1,958	
	1964	6,256	6,092	1964	4,140	7,777	
	1969	7,220	6,483	1969	3,080	2,675	
	1974	7,220	5,661	1974	3,305	2,762	
	1979	1,777	794	1979	2,715	2,519	

TABLE 6.--IRRIGATED ACRES AND WATER USE BY MAJOR IRRIGATION AREAS-continued

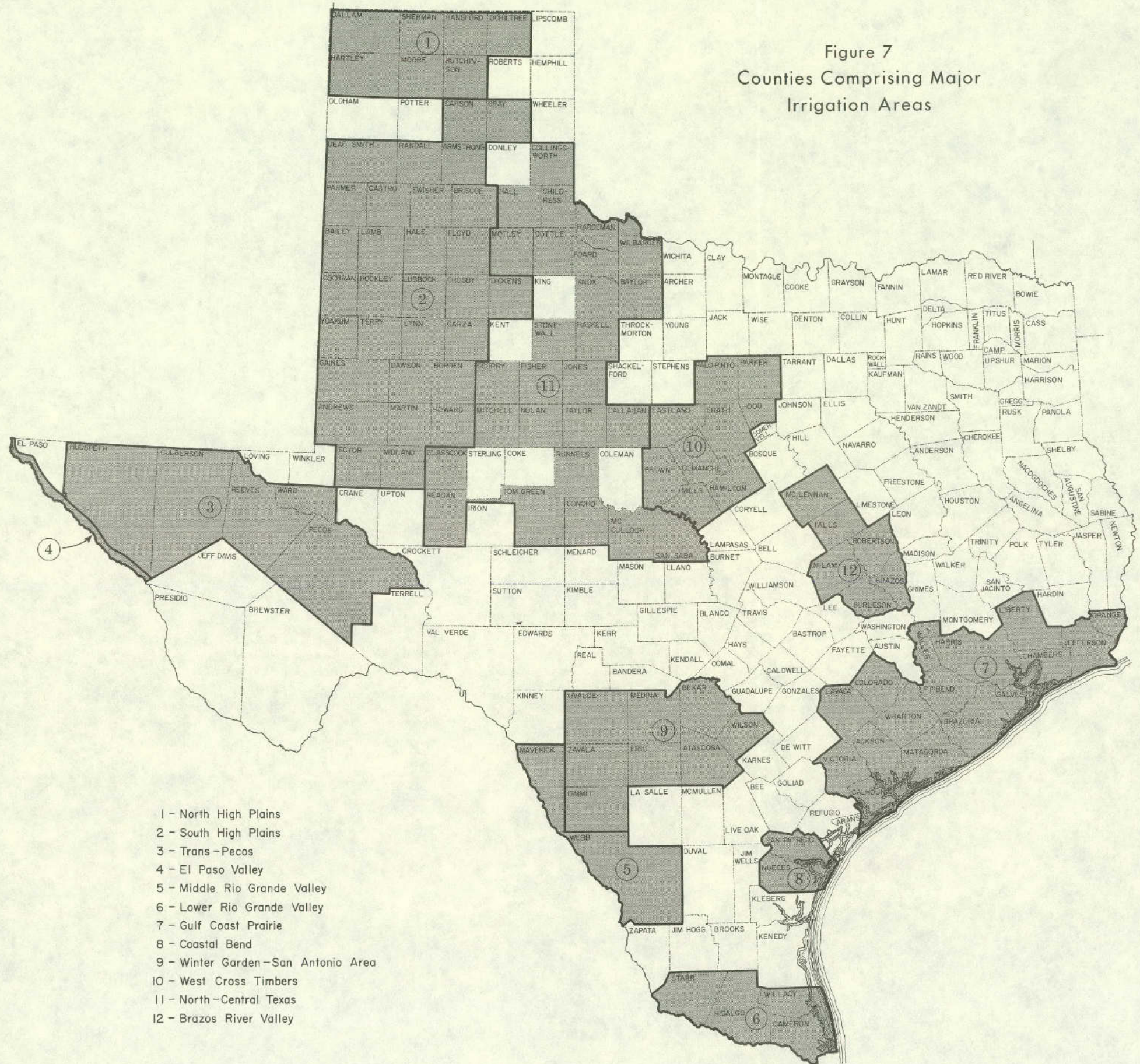
NORTH-CENTRAL TEXAS-continued				NORTH-CENTRAL TEXAS-continued			
COUNTY	YEAR	ACRES	ACRE-FEET	COUNTY	YEAR	ACRES	ACRE-FEET
Foard	1958	1,581	2,685	Knox	1958	21,000	19,276
	1964	2,089	2,160		1964	33,891	35,277
	1969	2,300	2,687		1969	69,273	50,168
	1974	2,980	3,533		1974	67,315	44,998
	1979	4,820	5,300		1979	68,000	51,283
Glasscock	1958	10,800	11,597	McCulloch	1958	1,172	1,098
	1964	17,540	24,577		1964	1,154	1,493
	1969	23,139	34,185		1969	1,973	2,290
	1974	28,186	55,103		1974	2,284	2,180
	1979	33,614	38,956		1979	2,859	2,651
Hall	1958	8,827	12,079	Mitchell	1958	15,000	23,741
	1964	19,729	26,647		1964	12,000	23,291
	1969	22,271	23,171		1969	5,243	2,682
	1974	28,018	25,213		1974	6,413	4,380
	1979	23,401	17,712		1979	2,940	2,525
Hardeman	1958	10,000	12,000	Motley	1958	2,932	2,401
	1964	15,110	22,932		1964	3,915	4,038
	1969	15,150	20,158		1969	7,164	7,131
	1974	15,200	17,411		1974	7,384	6,559
	1979	4,380	1,418		1979	7,544	2,975
Haskell	1958	15,755	29,533	Nolan	1958	2,890	2,848
	1964	48,310	66,247		1964	3,779	3,248
	1969	37,410	38,070		1969	3,450	3,511
	1974	33,915	41,714		1974	3,180	2,922
	1979	34,020	38,288		1979	2,002	2,399
Jones	1958	2,350	1,829	Reagan	1958	2,620	4,270
	1964	5,534	6,776		1964	10,247	15,334
	1969	6,200	4,076		1969	16,451	15,434
	1974	6,005	4,263		1974	11,085	14,531
	1979	8,970	5,562		1979	23,065	26,937

TABLE 6.--IRRIGATED ACRES AND WATER USE BY MAJOR IRRIGATION AREAS-continued

NORTH-CENTRAL TEXAS-continued				NORTH-CENTRAL TEXAS-continued			
COUNTY	YEAR	ACRES	ACRE-FEET	COUNTY	YEAR	ACRES	ACRE-FEET
Runnels	1958	2,713	3,768	Wilbarger	1958	6,285	5,735
	1964	3,524	6,042		1964	10,175	11,325
	1969	3,502	5,743		1969	11,156	12,106
	1974	5,592	7,836		1974	11,510	17,433
	1979	5,498	6,466		1979	14,575	24,793
San Saba	1958	2,970	4,716	Total	1958	154,686	197,040
	1964	4,564	7,642		1964	260,566	346,149
	1969	5,830	5,564		1969	290,445	279,005
	1974	8,063	11,018		1974	313,507	335,270
	1979	5,763	5,111		1979	304,257	308,166
Scurry	1958	2,656	1,331	TOTAL	1958	6,562,213	9,408,641
	1964	3,150	1,728	ALL AREAS	1964	7,489,055	12,207,127
	1969	5,694	3,323	LISTED	1969	7,929,066	11,250,397
	1974	5,610	5,943		1974	8,335,679	12,743,514
	1979	4,565	5,532		1979	7,546,060	9,406,088
Stonewall	1958	0	0	REST OF THE STATE	1958	161,401	196,964
	1964	2,115	3,004		1964	217,826	302,525
	1969	1,480	1,515		1969	277,183	318,627
	1974	425	663		1974	283,470	338,748
	1979	208	236		1979	271,621	317,315
Taylor	1958	1,371	2,452	STATE TOTAL	1958	6,723,614	9,605,605
	1964	2,221	2,459		1964	7,706,881	12,509,652
	1969	1,306	1,581		1969	8,206,249	11,569,024
	1974	3,040	3,433		1974	8,618,054	13,082,262
	1979	1,638	936		1979	7,817,681	9,723,403
Tom Green	1958	10,775	12,415				
	1964	16,858	28,551				
	1969	13,820	13,464				
	1974	26,316	23,449				
	1979	30,560	50,495				



Figure 7  
Counties Comprising Major  
Irrigation Areas



- 1 - North High Plains
- 2 - South High Plains
- 3 - Trans-Pecos
- 4 - El Paso Valley
- 5 - Middle Rio Grande Valley
- 6 - Lower Rio Grande Valley
- 7 - Gulf Coast Prairie
- 8 - Coastal Bend
- 9 - Winter Garden-San Antonio Area
- 10 - West Cross Timbers
- 11 - North-Central Texas
- 12 - Brazos River Valley







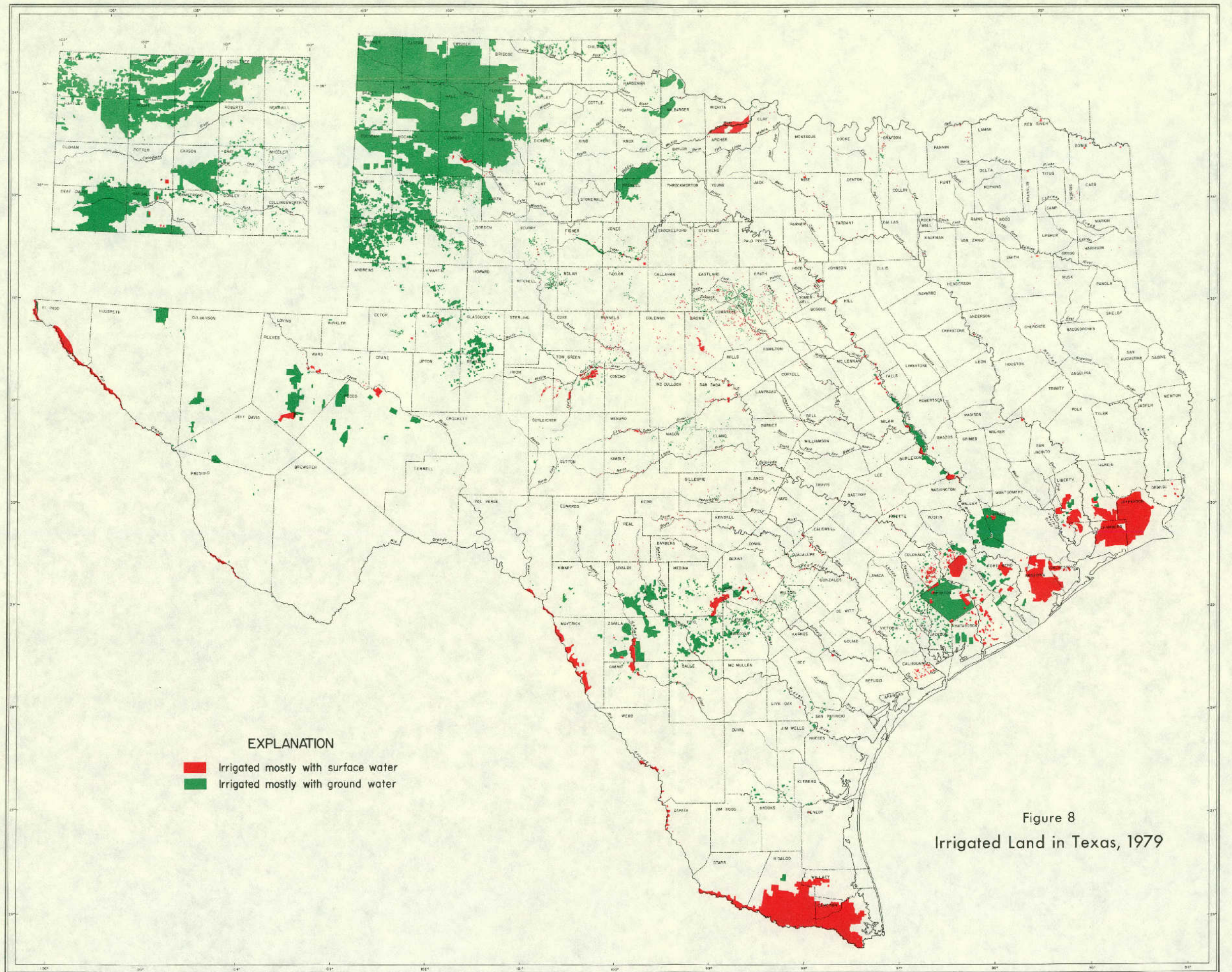


Figure 8  
Irrigated Land in Texas, 1979





**APPENDIX A**  
**SUPPLEMENTARY INFORMATION ON PROCEDURES**  
**OF THE 1979 INVENTORY**





## U.S. SOIL CONSERVATION SERVICE INSTRUCTIONS TO FIELD STAFF FOR MAKING 1979 IRRIGATION SURVEY

### I. Responsibilities

- A. The Area Conservationist shall be responsible for seeing that the survey is carried out in an efficient and timely manner in his respective area. He shall also make arrangements for personnel in his area to work with personnel in other areas to compile and record data for a county which involves another SCS area.
- B. One engineer in each area shall be assigned responsibility of assisting each DC with compiling and recording data for county or counties applicable to field office areas. It is suggested that the engineer who attended the conference on procedures for making the survey be assigned this responsibility.
- C. The engineer who attended the conference on procedures for making the survey shall be responsible for checking all data compiled in SCS area for accuracy and conformance to instructions prior to submission to the appropriate Civil Engineer, Technical Support Staff.
- D. The Technical Support Staff Engineer shall be responsible for the review and check of all data compiled in each SCS area he serves before submitting the data to the State Conservation Engineer.
- E. More detailed instructions are furnished in Section VIII in addition to the following instructions in Sections II to VII.

### II. Maps and Forms Furnished

- A. County Generalized Soil Maps—4 copies for each county. Some of these maps may extend across SCS area boundaries.

Copies of the county general soil maps, in addition to the soil delineations, will have:

(1) major river basin boundaries recorded in brown; (2) river basin zone or subbasin and identifying numbers (symbols) recorded in green; and (3) Soil and Water Conservation District boundaries and numbers (symbols) recorded in yellow. If the entire county falls within a single river basin, subbasin or SWCD, a note to this effect will be recorded in the margin of map.

For each segment created by the above delineations, there will be numbers (symbols) recorded in ink and underlined in red, which will identify the information placed with each segment. The symbols denote the river basin, zone or subbasin, and SWCD.

An example in Hidalgo County is: *23 - 8 - 350*

23—Rio Grande Basin

8—Zone or Subbasin Number

350—Hidalgo SWCD Number

Copies of the county maps will have the identification "1979 Irrigation Inventory" printed above the title block.

- B. Form—1979 IRRIGATION SURVEY (Pages 1 and 2)—*Multilith copies* are to be used for *work forms*. Printed, carbonized sets are to be used for final tabulations. First sheet (white) in the set is for the Department of Water Resources, second sheet (yellow) for SCS State Office, and the last sheet (pink) for SCS Field Office.

- C. County maps and forms used to record 1974 survey data should be on file in SCS Field Offices. If not available the Area Conservationist will request material needed from the appropriate Technical Support Staff Engineer.

### III. Recording Irrigation Information on County Maps

In gathering information pertaining to the 1979 Irrigation Survey, the best sources of data available should be utilized. Consideration should be given to data recorded on the county map used for the 1974 survey and changes in irrigation that have taken place since. The following information shall be recorded on all four copies of the county map:

NOTE: Put delineations on map according to individual map scale. All scales are not the same.

A. Within each segment created by delineations referred to in II.A.(1), (2), and (3) above: (Basin, Zone, SWCD)

1. Outline in RED the areas irrigated in 1979 from surface water only (include springs as surface water after the spring water enters a stream).
2. Outline in ORANGE the areas irrigated in 1979 from ground water only. NOTE: If original supply of water is from wells show sewage effluent as ground water.
3. Outline in BLUE the areas irrigated in 1979 from a mixed supply of surface and ground water. This delineation should be used where both surface and ground water were used on same area or where surface water irrigation and ground water irrigation are so intermingled that it is impractical to outline the area where each was used.
4. Designate isolated irrigated areas less than 100 acres with an "X" using color codes as indicated in 1, 2, and 3 above rather than an outlined boundary as indicated in 1, 2 and 3 above.
5. Within each area outlined or below each "X" designated in A.1 to A.4, inclusive, record neatly the following acreage figures in descending order and in same color as applicable area boundary or "X":
  - a. Acreage irrigated in 1979. In cases of areas irrigated from mixed supply (III.A.3), show in parentheses an estimate of the percentage of surface water used.
  - b. Acreage (of above total) irrigated in 1979 with sprinkler systems. This figure should be preceded by an "S" such as S - 100. If no sprinkler irrigation, show S - 0, rather than omit the item. Drip and trickle are not sprinkler.

When there are several small irrigated areas which have been designated by "Xs" within the segment, total acreage figures which represent all the "Xs" may be recorded instead of placing acreage figures below each "X". When this is done, lines connecting each "X" to acreage figure should be recorded on map to show that the acreage figures are the totals for all "Xs".

6. Below each segment identification number (figure in ink, underlined in red), place one figure to indicate the total acres of irrigation potential within the segment (do include 1979 irrigated acreage if located in the potential area). If there is no potential acreage indicate with a zero instead of leaving blank. Delineate each potential irrigation area in the segment with a purple pencil. The area can overlap into other segments and counties. The delineated irrigation area should consist of a minimum of 20,000 acres of nearly level deep, fertile soils that are at least 75 percent irrigable. This estimate of potential irrigation would not be limited by water supply or land use. NOTE: See item VIII-B-7.

In parentheses beside the potential irrigation acreage, show number of acres in segment that have been previously irrigated, but not in 1979, for which irrigation facilities are still available. NOTE: See item VIII-B-8 for definitions. If there is no acreage in parentheses indicate with a zero.

- B. In rubber-stamped space provided in map margin, record total county acreage irrigated in 1979 by sources of supply and total acreage irrigated by sprinkler from each source.

These totals will serve as a check on certain data recorded on Form—1979 Irrigation Survey.

IV. Recording Data on Form—1979 Irrigation Survey (2 pages).

- A. Data should first be recorded on multilith copy of this form. After it is thoroughly checked for accuracy, data should be typed or neatly lettered in ink on printed carbonized set of forms.
- B. Data listed on form will apply to entire county. Breakdown of data by various segments will be done by computer during summarization of the survey data. Name of county must be recorded in space provided on both pages of form.
- C. The most authentic sources of information available should be used in completing both pages of the form.

Crop and total water use data will be recorded on Page 1. Crops must be classified as shown on form. If a crop was irrigated in the county during 1979, record the total acreage (both dry and irrigated) of the crop in Column III. Omit all crops which were not irrigated in 1979. Record the irrigated acreage of the crop in appropriate water source columns. Estimate the inches of water (per acre) applied to each crop from each water source in 1979. For crops growing past January 1 or growing in parts of two years, e.g., small grains, use acreage figure of that crop as planted in 1979 and water applied to that crop during 1979. The water used is that applied to the growing crop from January 1, 1979 to harvest and from planting to December 31, 1979. Double cropping may be practiced on these acres. *Item 23—Acres Irrigated* are the county totals of acres irrigated in 1979 taken from the county map (III.B). *Item 22—Total Crop Acre Irrigated* must equal or exceed the acreages shown in Item 23 for each water source. Double cropping will cause Item 22 to exceed Item 23.

Acres of irrigated crops which are planted in skip-row patterns shall be determined on same basis as used by ASCS in figuring skip-row acreage.

At top of Page 2, break down the acreage shown on Page 1 for citrus, vegetables (shallow and deep) and cotton by percent and kind.

Use SCS records and other sources of information to complete items 1 through 11 on page 2.

V. Checking Data

All 1979 Irrigation Survey data prepared in SCS area shall be thoroughly checked for accuracy and conformance to instructions by the designated engineer prior to submission to the appropriate Civil Engineer, Technical Support Staff. The designated area engineer shall sign and date the 1979 Irrigation Survey form.

VI. Assembling and Submitting Data to Civil Engineer, Technical Support Staff

- A. Data for 1979 Irrigation Survey will be assembled as follows:
1. Attach to one (1) copy of each county map the TDWR copy (white) of Form—1979 Irrigation Survey (Pages 1 and 2) completed for county.
  2. Attach to another copy of each county map the SCS State Office copy (yellow) of Form—1979 Irrigation Survey (Pages 1 and 2) completed for county.
  3. Attach to a third copy of each new county map the SCS Field Office copy (pink) of Form—1979 Irrigation Survey (Pages 1 and 2) completed for county. This copy will be retained in the Field Office.

4. Assemble TDWR copies of county maps with forms attached.
  5. Assemble SCS State Office copies of county maps with forms attached.
  6. Assemble county maps which do not have a form attached. These are for the SWCD State Office.
- B. All 1979 Irrigation Survey data developed for an SCS area shall be submitted at the same time, by the designated engineer, to the appropriate Civil Engineer, Technical Support Staff. The data should be submitted when the survey has been completed, but not later than January 1, 1980. Do not submit SCS Field Office Copy of map and Form—1979 Irrigation Survey.

The Civil Engineer, Technical Support Staff, will submit at one time all 1979 Irrigation Survey data developed for all SCS areas in their designated work territory. The data should be submitted by February 1, 1980, to the SCS State Office, Attention: State Conservation Engineer.

#### VII. Filing 1979 Irrigation Survey Data in Field Offices

The remaining SCS Field Office copy of Form—1979 Irrigation Survey attached to the county map applicable to field office area shall be maintained in the field office permanent files along with all previous Irrigation Survey data for future reference.

#### VIII. Additional suggestions and instructions for completing the 1979—Irrigation Inventory.

##### A. General

1. The inventory should cover all acreage and all crops irrigated in 1979. This means that the area and crop had water applied during 1979, regardless of when the crop was planted and even though all or part of it is not actually harvested, perhaps, until 1980 (some citrus, for instance).
2. The self-carbonizing triplicate data pages 1 and 2 get "messy" easily. Use a minimum amount of handling by keeping them in the area office, using the worksheets provided, and using the triplicate forms for final typing only after data for both sheets have been finally determined. Be careful not to write on a stack of the forms because it will ruin others in the stack. If typing error is made, "x" through it and put correction above or next to the crossed-out item.

##### B. County Maps

1. Be as accurate as possible in locating irrigation areas and acreages on maps. The reasons for using the soil association maps as base maps are to help in locating areas in respect to soils that are used for irrigation in the county and to permit tabulations of data that can be correlated with soils. Remember that how accurately you place irrigation areas in respect to the map features will have a major bearing on the accuracy, and therefore, the reliability and usefulness of the tabulations.
2. Where areas are over 100 acres, and therefore, delineated rather than shown with "Xs" on maps, try to keep them reasonably in proportion. Although this isn't critical, a statewide map of irrigation will probably be made and accurate sizing will make this job easier and the resulting state irrigation map much better. Different county soil association maps have different scales. Examine each linear scale before delineating irrigation areas, and you can then proportion areas more accurately.
3. Be as accurate as possible in estimating the irrigated acreages. Convert skip-row acreages to solid acreage requirements if only the skip-row is irrigated. If the skip-row is used for another irrigated crop—in fact, strip cropping—then the full acreage is irrigated and would be so recorded. The acreages on the map are supposed to reflect surface acreage irrigated. If the same acreage has been irrigated during 1979 to two or more crops, this fact will be picked up on the county data forms (page 1) as a difference between the total of irrigated crop acreage, line 22, and the Acreage Irrigated (from county

maps), recorded on line 23 of Page 1. You are requested to show this in the summary—item 11, page 2 of irrigation survey form.

4. Be careful to use the proper color to denote source of water that served the area. In case of "blue" areas (mixed surface water and ground water) be sure to include the estimated percent of the total water applied that is surface water.
5. Check the total acreages of each color for the whole county carefully before entering the amounts in the blank places rubber-stamped on the map margin. These acreages are entered on line 23 of Page 1 and should agree with the total of all delineations and Xs of each color on the county map. This is the only item between map and data form for direct check.
6. There may be occasionally on some maps, some very small or isolated segments, caused by irregular river basin, zone and district delineations, which have not been given identifying symbols on the map margin. The only data to be shown for these individual segments on the map are the previously irrigated acreage not irrigated in 1979. It is not anticipated that appreciable irrigable potential acreage exists in these small areas without symbol identification. Of course, if part or all of an actual 1979 irrigated area occurs in such a location it would be delineated where it actually exists.
7. Delineate potential irrigation areas in each segment on the map in purple and record the acreage that would be suited for irrigation development. The delineated areas should consist of irrigable soils concentrated to comprise at least 75 percent of each inscribed area. Restrict size of areas to a minimum of 20,000 acres of soil suitable for irrigation. The areas can overlap into other segments and counties, but indicate the acreage in each segment even though each overlapping acreage may be less than 20,000 acres. The selection of areas suitable for irrigation should be based on soils information: deep, fertile, level soils with only slightly sloping or undulating land surfaces that would not limit efficient water use and with soils having water intake rates and storage capacities in the crop root zone favorable for irrigation. The potential should be judged on basis of sustaining long term and enduring irrigated agriculture. Current constraints on irrigation development such as lack of adequate water supply, current land use (except urban) or desires of landowners are not factors in this determination. However, commercial forest areas and infrequent need for irrigation water are to be considered as negating the potential for irrigation.
8. Once the potential irrigable acreage has been determined and recorded for each identified segment, be sure to include in parentheses the acreage in each segment (see definition in item II-A) that is equipped to be irrigated with at least an adequately producing well for ground water use, minimum turnouts and other facilities for using surface water, or both, but was not irrigated in 1979.

C. Data Form-Page 1

1. If there is no 1979 irrigated acreage for a crop or crop group listed (items 1 through 21), leave Column III for that crop blank, even though there is nonirrigated acreage of the crop in the county.
2. If, however, there is some 1979 irrigated acreage of a specified crop in the county, the best estimate available of the total acreage of the crop (both nonirrigated and irrigated) is needed in Column III. It is felt that good estimates of total 1979 county acreages can be obtained for each of the crops from normal sources such as the ASCS offices; Technical Action Panel; ginners or processors; grower or producer organizations; shippers, equipment, seed, fertilizer, and grower's supply companies.
3. The same sources may also provide information to help estimate the 1979 irrigated acreage portion of the total acreage of a crop in Column III to record in Columns IV, VI and/or VIII. The irrigated acreages shown in these columns should reflect the correct proportion of the total county crop acreage. The totals (line 22) of all these irrigated crop acreages should reflect the proper proportion of double cropping in the county when compared to the corresponding Acres Irrigated (from county maps) recorded on line 23, Columns IV, VI, and/or VIII. Even though a specific crop (or pasture) is harvested more than once (two-crop rice, for instance), cut several times (as alfalfa or other hay), or

grazed several times periodically (permanent pasture or other crops, like oats or wheat, grazed and subsequently harvested), report that crop acreage only once. If two different irrigated crops are produced on the same acreage during 1979, even though they are in the same group (deep-rooted or shallow-rooted vegetables for instance), count the acreage for each different crop. In case of a skip-row acreage, use the proper solid acreage equivalent.

4. Record in total inches, in Columns V, VII, and/or IX, the estimated amount of water applied on the average, countywide, to each irrigated crop during the 1979 year. These total inches will be interpreted as being the estimated amount pumped and distributed to the crop (in the case of ground water) or the amount transmitted to the fields from the turnouts (surface water) and will, therefore, reflect the losses (inefficiencies) of the field irrigation systems used. In other words, the amounts shown should include any field system losses in addition to amounts of water effectively delivered and stored in the root zone of the crop for its consumptive use. Do not include tail water recovery system pumping since this water is accounted for from the original source. A uniform interpretation of water use is necessary and with this interpretation more accurate estimates can be made than to attempt to estimate net consumptive use of irrigation water. In the case of crop groups for which the recorded acreage represents an aggregate acreage of two or more separate crops, be sure that the total inches of water recorded reflects the average for each crop in the aggregate acreage. Items 6, 7, 10, 13, 15, 18, 19, and 21 are the crop groups where this precaution may sometimes apply.
5. Record on line 23, Columns IV, VI and/or VIII, the acreages irrigated in 1979 using surface water, ground water, or combinations of both as recorded in the rubber-stamped area on the margin of the county soil association map used in the irrigation inventory. Map and data form acreages must agree (the only direct check between the two).
6. Fill in the name of the county at the top of the page.

D. Data Form—Page 2

1. Four crop groups are listed in the table at the top of page 2. So that irrigation inventory data may be used more effectively in economic analyses, estimates are needed of the make-up of 1979 irrigated acreage of each crop group (the totals of Columns IV, VI and VIII on Page 1) as a percentage of the total 1979 irrigated acreage of the group. Unless a listed crop of the group comprises 5 percent or more of the 1979 irrigated acreage of the crop group it is in, do not itemize it, but pick it up as part of the "all other" percentage.
2. Question 1 provides for recording the sources of the irrigation inventory data, by kind.
3. Question 2 provides for recording the enumerator's opinions as to accuracy of the recorded data for the county, by kind of data.
4. Questions 3, 4, and 5 dealing respectively with miles of lined ditches or underground irrigation pipeline and estimated acreage they serve, and numbers of irrigation wells and an estimate of the number actually used during 1979, will update similar data obtained in previous surveys and provide some basis for appraising current importance of these facilities in terms of acreage they serve.
5. Question 6 will provide information on the extent that irrigators are making use of reservoirs supplied by surface runoff such as ponds and floodwater retarding structures on their farms for irrigation. Tail water recovery impoundments and playas will not be included. Since ponds and floodwater retarding structures are all *surface water supply facilities*, the acreages should never exceed recorded surface water and surface water portion of combined surface and ground water acreages in Columns IV and VIII on page 1.
6. Average countywide efficiency of sprinkler and surface systems is difficult to estimate. Nevertheless, informed judgement on this item is needed. It is probable that efficiencies have improved in many areas in recent years as water has become more limited, its cost has risen, price-production squeeze



has been more severe, and irrigation technology has improved. Perhaps opinions on efficiencies obtained a number of years ago are now out-of-date. These estimates made for Question 7 will provide new judgements to appraise.

7. Under Question 8, give the best estimate of acres being served by mobile sprinkler systems and acres being served by stationary sprinkler systems in the county. Mobile sprinkler systems include center pivot, side roll, mobile dragline and traveling systems. The stationary system would include solid set, drag line and hand moved.
8. Under Question 9, give the best estimate of the number of irrigated operating units in the county. "A unit is *all* the land under the control of an individual operator."

Operating units are those units of land where the primary objective of the operations is to manage the land and related land resources to produce income from plants, animals or related outdoor recreation or wildlife.

An operating unit is all land operated as a *single management unit*, regardless of the number or size of tracts involved and whether or not they are contiguous. (See definitions of progress reporting items for further guidance in SCS reporting procedures—Code 125).

9. Question 10 will provide the number of acres trickle irrigated in each county along with the crops and acreage of each.
10. Under Question 11, give a capsule summary of 1979 irrigation in the county. Information that will be useful is: 1979 weather experience, particularly abnormal conditions affecting amount of irrigation or water use; changes in irrigation cropping pattern; major changes in numbers of irrigation wells or types of irrigation systems; emerging problems of salinity, declining water supply, use being made of storm runoff from playa lakes (No. of lakes and estimate of acre-feet pumped), or other factors affecting irrigation in the county; and any other items the enumerator feels are pertinent to the county irrigation picture. Cities providing sewage effluent for irrigation should be identified with amounts (acres and acre-feet). Information is needed on the acreage that is double-cropped and the percentages of each crop or the crops involved. For example, there are 100 acres in "X" county, that are double-cropped. The combination of crops grown is soybeans 78 percent and carrots 22 percent followed by wheat 100 percent. Another example might be that in "Y" county 100 acres are double-cropped. The combination of crops grown is cotton 30 percent, corn 20 percent, and grain sorghum 50 percent, followed by small grain 50 percent and onions 50 percent.
11. Be sure to identify the county at the top of the page and sign and date the page at the bottom.
12. A permanent file of this and all previous surveys must be maintained in each SCS field office. The information in this file will be used as reference material for future irrigation inventories.



## 1979--IRRIGATION SURVEY

I ITEM	II IRRIGATED CROP	III TOTAL CO. ACRES (DRY & IRRIGATED)	IV IRRIGATED CROPS & TOTAL SEASON WATER APPLIED					
			V SURFACE WATER		VI GROUND WATER		VII BOTH SW & GW	
			ACRES	IN.	ACRES	IN.	ACRES	IN.
1	Cotton	122,681	60,000	15"	800	12"	40,000	12"
2	Grain Sorghum	149,208	90,000	12"	1,000	12"	7,000	12"
3	Corn	20,000	20,000	15"				
4	Rice							
5	Wheat							
6	Other Grain							
7	Forage Crops	15,000	15,000	12"				
8	Peanuts							
9	Soybeans	3,000	3,000	15"				
10	Other Oil Crops							
11	Citrus	75,500	74,000	18"	1,500	18"		
12	Pecans							
13	Other Orchard & Vineyard							
14	Alfalfa	1,500	1,500	15"				
15	Other Permanent Hay, Pasture	47,000	34,000	12"	1,200	12"		
16	Sugar Beets							
17	Irish Potatoes							
18	Vegetables (Shallow)	50,000	40,000	12"			10,000	12"
19	Vegetables (Deep)	45,000	33,500	12"	1,500	12"	10,000	12"
20	Sugarcane	24,650	21,650	24"			3,000	24"
21	All Other Crops							
22	Total Crop Acres Irrigated		392,650		6,000		70,000	
23	Acres Irrigated (From County Map)		372,650		6,000		60,000	



**1979 IRRIGATION SURVEY**  
**Make-up of Crop Group Irrigated Acreages (Sheet 1)**

HIDALGO

County

CROPS AND CROP GROUPS	PERCENT	CROPS AND CROP GROUPS	PERCENT	CROPS AND CROP GROUPS	PERCENT
Vegetables (Shallow)	100	Vegetables (Deep)	100	Citrus	100
Brussel Sprouts		Beans	5	Grapefruit (Non-bearing)	10
Cabbage	40	Beets	5	Grapefruit (Bearing)	50
Cauliflower		Cantaloupe	5	Oranges (Non-bearing)	
Celery		Carrots	15	Oranges (Bearing)	40
Lettuce	10	Peas	5		
Onions	40	Peppers	20	Cotton	100
Radishes		Sweetpotatoes		American	100
Spinach		Tomatoes	20	Egyptian (Longstaple)	
Strawberries		Turnips	5		
Sweet Corn	5	Watermelons			
All Other	5	All Other	20		

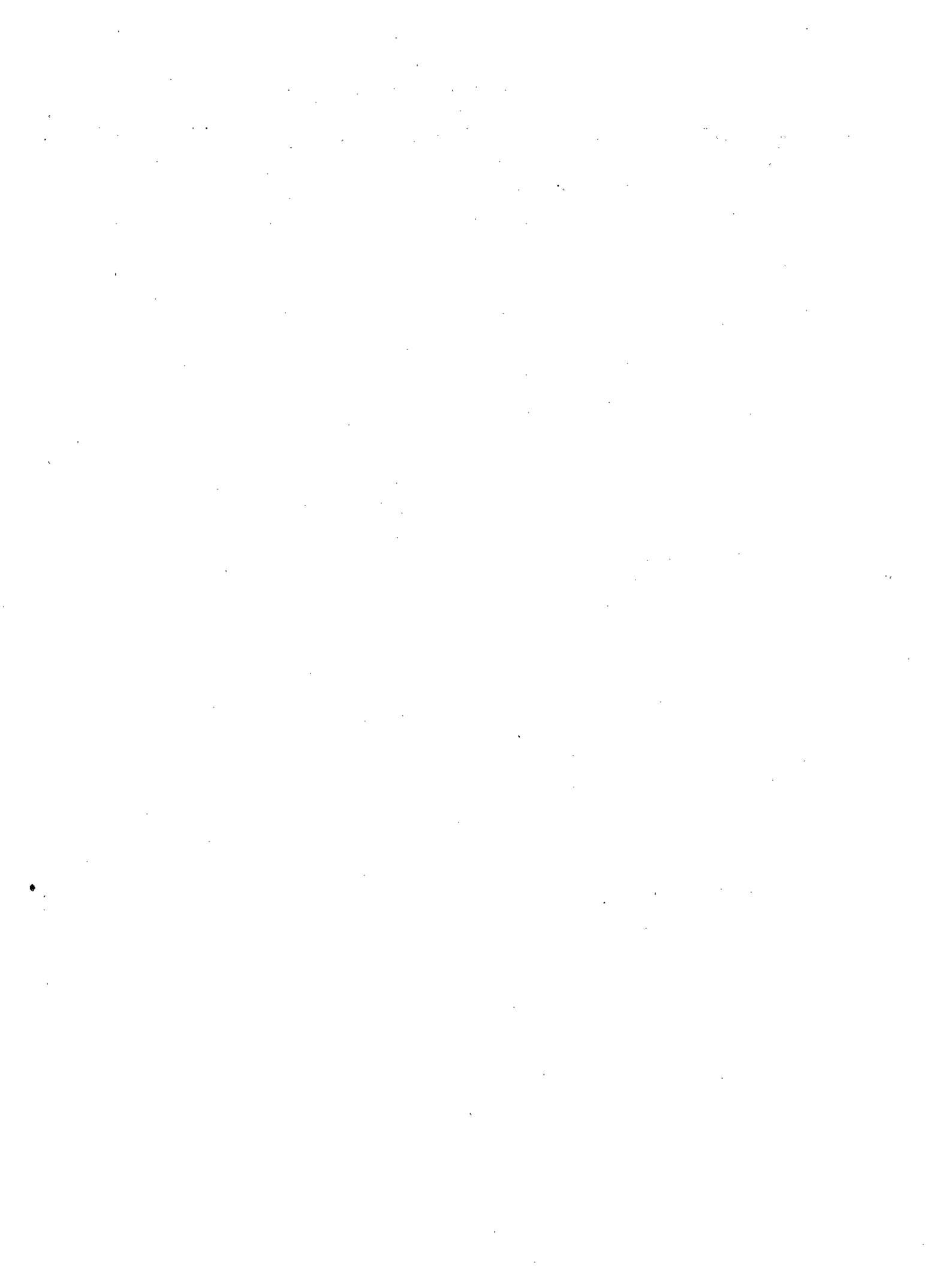
1. Information used in compiling the survey data was obtained from the following sources:

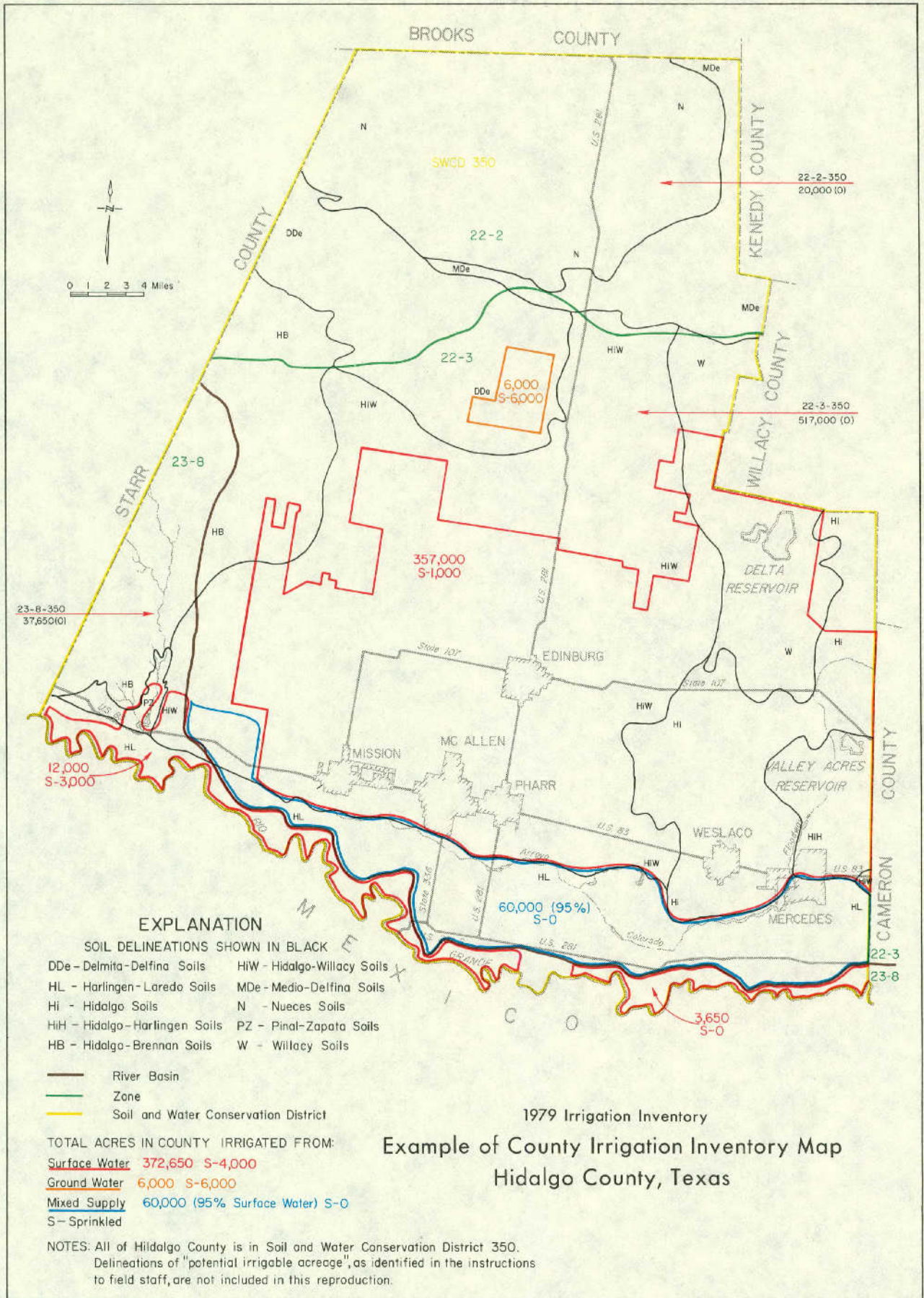
Irrigation Acreages: SCS, Texas Department of Water Resources, Watermaster  
 Crop Data: SCS, ASCS  
 Water Use: SCS

- It is estimated that the possible error (plus or minus) in the data is: For Acreages, 10%; For Crop, 10%; For Water Use 10%.
- As of June 30, 1979, there were approximately 10.0 miles of lined ditches in the county serving 5,000 acres.
- As of June 30, 1979, there were approximately 475 miles of underground pipeline in the county serving 120,000 acres.
- As of June 30, 1979, it is estimated that there were 100 irrigation wells in the county. It is estimated 50% were used.
- An estimated 0 acres were irrigated in 1979 using water from an estimated 0 on-farm impoundments.
- Estimated countywide average farm irrigation efficiencies, 1979 Sprinkler Systems 65%, Surface Systems 75%.
- As of June 30, 1979, there were about 2000 acres being served by mobile sprinklers and 8000 acres by stationary systems.
- The estimated number of irrigated operating units in the county in 1979 is 4,000.
- Average using trickle irrigation method Total 5000 on these crops: Citrus ac. 5,000 ac. ---
- Give a brief summary of the irrigation picture in the county.

Rainfall was above average so the amount of irrigation water applied was below average. Double cropping included vegetables and field crops; grain sorghum followed by tomatoes, peppers, cabbage; also cotton followed by carrots, onions, lettuce, or corn. Trickle irrigation is not increasing. Approximately 30,000 acres were double cropped consisting of 30% cabbage, 30% onions, 15% peppers, 15% tomatoes, 5% carrots and 5% lettuce followed by 50% grain sorghum, 40% cotton, and 10% corn.

Signed: \_\_\_\_\_ Title: \_\_\_\_\_





**EXPLANATION**

SOIL DELINEATIONS SHOWN IN BLACK

- |                               |                             |
|-------------------------------|-----------------------------|
| DDe - Delmita-Delfina Soils   | HIW - Hidalgo-Willacy Soils |
| HL - Harlingen-Laredo Soils   | MDe - Medio-Delfina Soils   |
| Hi - Hidalgo Soils            | N - Nueces Soils            |
| HiH - Hidalgo-Harlingen Soils | PZ - Pinal-Zapata Soils     |
| HB - Hidalgo-Brennan Soils    | W - Willacy Soils           |

- River Basin
- Zone
- Soil and Water Conservation District

TOTAL ACRES IN COUNTY IRRIGATED FROM:

- Surface Water 372,650 S-4,000
- Ground Water 6,000 S-6,000
- Mixed Supply 60,000 (95% Surface Water) S-0
- S - Sprinkled

NOTES: All of Hidalgo County is in Soil and Water Conservation District 350.  
Delineations of "potential irrigable acreage", as identified in the instructions to field staff, are not included in this reproduction.

1979 Irrigation Inventory  
Example of County Irrigation Inventory Map  
Hidalgo County, Texas







**APPENDIX B**

**1980 IRRIGATION SURVEY OF SELECTED AREAS**



# 1980 IRRIGATION SURVEY OF SELECTED AREAS

## Introduction

As calendar year 1980 progressed, it became apparent that in many parts of the State, particularly the Texas High Plains, growing season rainfall was below normal and temperatures were above normal. In comparison with the above normal rainfall year in 1979, the hot and dry growing season of 1980 would reflect a situation requiring more irrigation water use.

Therefore, the U.S. Department of Agriculture—Soil Conservation Service, the Texas State Soil and Water Conservation Board, and the Texas Department of Water Resources agreed to conduct a 1980 irrigation survey for three selected areas of the State. This selective survey would assist to better interpret the results of the 1979 inventory concerning the effects of rainfall, energy prices, and declining water supplies on the amount of irrigated acreage and water use.

## Procedures

Procedures for conducting the 1980 irrigation survey were similar to those described for the 1979 inventory. The main difference between the 1979 inventory and 1980 survey is that the 1980 survey was not statewide in coverage and that the county maps locating irrigated acreage were not prepared. Page 1 of the inventory form was used in the 1980 survey. Page 2 of the form was modified to omit questions 1-10 and, for purposes of the survey, included only one question summarizing the irrigation situation in 1980. Responsibilities of the cooperating agencies and personnel involved remained essentially the same for both the 1979 inventory and 1980 survey.

Areas (Figure B1) selected for inclusion in the 1980 survey were:

Area A.—basically the Texas High Plains region consisting of a total of 49 counties.

Area B.—Pecos and Reeves Counties in the Trans-Pecos region.

Area C.—A 12-county area in the Winter Garden region.

These areas were selected because of the concentration of ground-water supplied irrigation and their location within specific administrative areas of the Soil Conservation Service.

It is cautioned that these areas are not exactly the same delineations as those included as major irrigation areas in Table 6 and Figure 7 of the 1979 inventory.

## Results of 1980 Survey

### Area A (Texas High Plains)

In 1980, irrigated acreage in Area A (Figure B1) was 5,547,000 acres (2,245,000 ha), an increase of only 162,000 acres (65,600 ha) over the 1979 irrigated acreage. However, irrigation water use in 1980 was 7,060,000 acre-feet (8.70 km<sup>3</sup>), an increase of 1,352,000 acre-feet (1.67 km<sup>3</sup>) or 24 percent greater than the 1979 water use. Ground-water sources, principally the Ogallala aquifer, supplied over 99 percent of this water in 1980. In 1979, surface water including playa lake water supplied about 2 percent of the water and ground water supplied the remaining 98 percent. A detailed analysis of the individual county data (Table B1) indicates that many variables affect irrigated acreage and water use.

In the Texas High Plains, the 1980 rainfall (Figure B1) was less than in 1979 and growing season temperatures were 2 to 6° F (1 to 3°C) above that in 1979. The 1979 irrigated acreage and water use were influenced by the above

normal rainfall, increased pumping costs, and a declining water table. In some counties (Crosby, Hockley, Lamb, Lubbock, and Swisher), adequate pre-season moisture enabled many irrigators to omit pre-irrigation, and the above conditions also reduce the acreage requiring seasonal irrigation applications. In 1980, due to the dry conditions, these counties had increased acreage and water use compared to 1979. Although Lubbock and Hockley Counties doubled their irrigated acreage from 1979 to 1980, as compared to the 1974 inventory both counties in 1980 had reduced irrigated acreage.

Several counties (Bailey, Carson, Collingsworth, Dawson, Dickens, Donley, Gaines, Gray, Hale, Lynn, Scurry, Terry, and Yoakum) had similar irrigated acreage in 1979 and 1980 with considerably more water use in 1980 than during 1979. In these counties, the normally irrigated acreage had some irrigation use—pre-irrigation, seasonal applications, or both—during 1979. However, in 1980 extremely dry conditions required irrigation applications to the maximum capability of the ground-water resources. Increased water use in 1980 was accomplished through preplant irrigation and almost continuous pumping of irrigation wells during the crop growing season.

Irrigation acreage and water use varied very little in 1980 compared to 1979 for the following High Plains counties: Andrews, Castro, Dallam, Deaf Smith, Hall, Howard, Martin, Midland, Mitchell, Moore, Motley, Potter, Roberts, and Wheeler. This was mainly due to decreasing water supplies and the increased pumping costs. However, the irrigated crop yields for 1980 in these counties were reduced because of the drought conditions. Due to the increasing pumping costs and limited water supplies, many growers are switching to drought tolerant crops. Therefore, the total acreage irrigated and water use for 1980 stayed about the same as 1979.

Problems of high pumping costs, declining water tables, and drought conditions plagued most counties on the Texas High Plains during 1980. Irrigators in Armstrong, Cochran, Floyd, Ochiltree, and Sherman Counties applied more water than normal on less acreage due to drought conditions. Water that was available was applied to high value crops, while other areas went to dryland conditions. In addition to Cochran County's drought problems, hail and high winds destroyed some 8,000 acres (3,200 ha) of its irrigated crops.

Other High Plains counties such as Briscoe, Hansford, Hartley, Hemphill, Lipscomb, Oldham, Parmer, and Randall had a decline in water use as well as acreage irrigated. High pumping costs and declining water tables dictated that some farms would go to limited irrigation, dryland, or fallow conditions. In some cases corn and grain sorghum went into stress and planted acres could not be watered enough to produce normal yields.

In addition to the relationship between rainfall and irrigation levels, it is apparent that irrigated acreage and water use on the Texas High Plains has and will increasingly be dependent on economic conditions, such as the price of energy, as well as the available ground-water supply. 1980 irrigation levels for this area did not reach the magnitude of 1974 irrigated acreage or water use. Considering the 1980 rainfall conditions (Figure B1), it is suggested that overall irrigation development in the High Plains has reached a peak level, probably during the period 1974-1977. To what extent, or at what rate, irrigation acreage and water use will change in this area depends on the variables of rainfall, energy prices, crop prices, and water availability. Future inventories will provide needed data to monitor the situation in this area.

#### **Area B (Pecos and Reeves Counties)**

This two-county area in the Trans-Pecos region was selected for survey because of a history of early irrigation development and subsequent decline due to a combination of deterioration of water supply and quality, energy prices, and overall economic conditions. Rainfall (Figure B1) during the growing season in 1980 was actually equal to or greater than in 1979 for this area, although the early growing season was extremely hot and dry. Irrigation acreage increased about 14 percent in 1980 over 1979, while irrigation water use remained essentially the same (Table B1). The reduced water use was due to irrigation trends influenced by the increased farming expense and cost of pumping. Most of the additional acreage was on formerly idle land and required less than normal pre-irrigation. Instead of applying additional water for leaching, cotton production is now being kept up by rotating cotton to idle cropland that has been leached by rainfall. In addition, in 1980 in the Balmorhea area the surface-water supply was low, so cool-season crops were not watered in the spring.

Localized new development of irrigation in areas of good ground-water sources and the price of energy will affect the future of irrigation in this area.

#### **Area C (Winter Garden)**

Overall, irrigation acreage declined by 6 percent and water use increased by 3 percent in 1980 compared to 1979 for this area (Table B1). Rainfall (Figure B1) was better in 1979 for the early growing season, but 1980 rainfall was better in the late growing season. Although several counties (particularly Atascosa and Medina) significantly increased water use in 1980, the decline of irrigation in Zavala County balanced the overall totals between 1979 and 1980.

Similar to the High Plains, irrigation development in this area appears to have peaked during the period 1970-1977. Rainfall, energy prices, crop prices, and the availability and quality of ground-water resources will affect irrigation in this area in the future.

### **Summary**

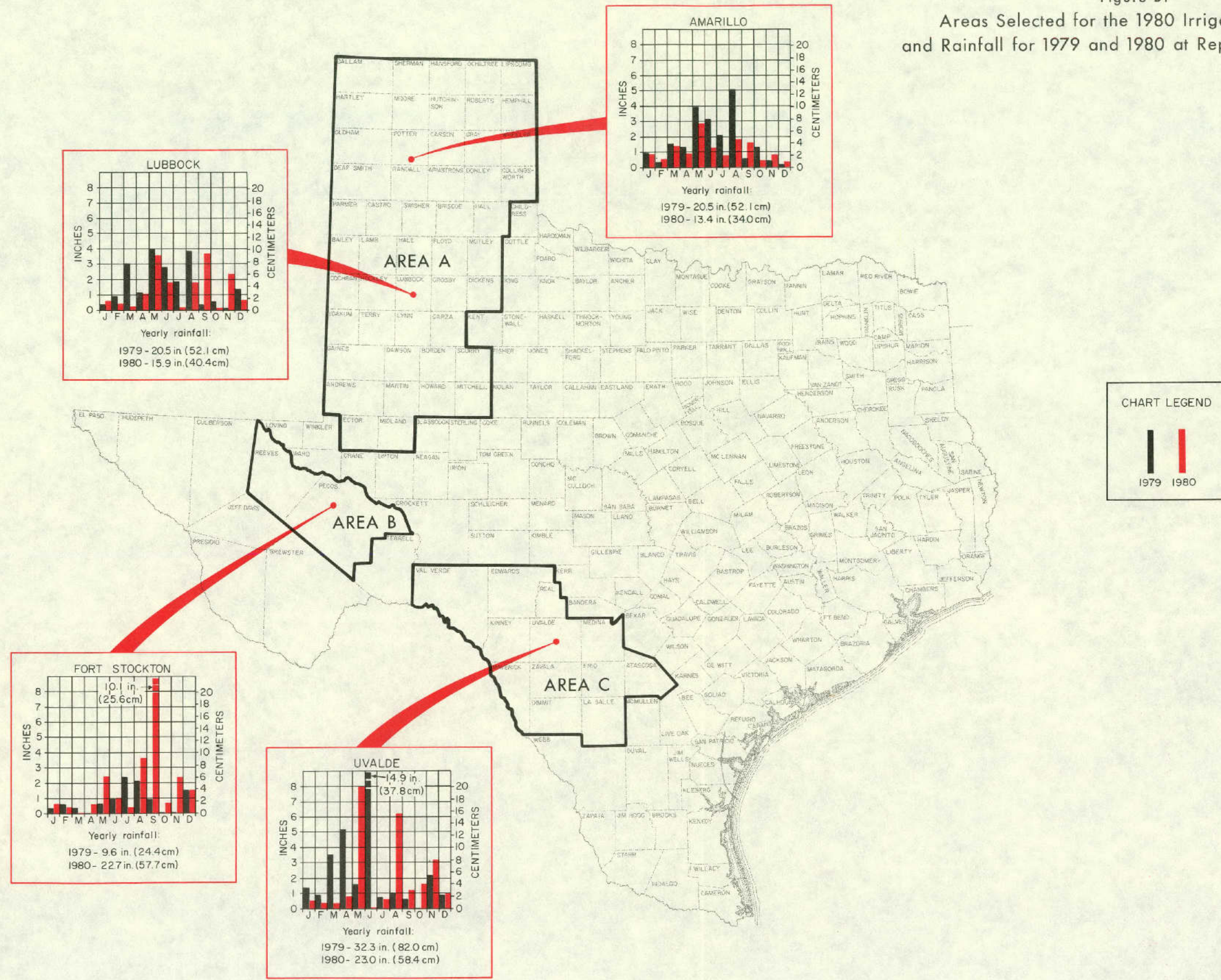
The 1980 irrigation survey provides information about irrigated acreage and water use for three selected areas which account for over 70 percent of the State's total irrigated acreage and for over 90 percent of its ground-water-supplied irrigation. In the Texas High Plains, the below normal rainfall in 1980 resulted in increased irrigation water use over that found in the 1979 inventory. However, data from the 1980 survey indicates that irrigation development in the three areas surveyed has peaked during the 1970's. Future irrigation inventories will need to be carefully analyzed to monitor the extent of change in irrigation in many parts of the State.





Figure B1

Areas Selected for the 1980 Irrigation Survey,  
and Rainfall for 1979 and 1980 at Representative Points



Based on National Weather Service data





TABLE B1.--IRRIGATED ACREAGE AND WATER USE FOR  
SELECTED AREAS 1979 AND 1980

AREA A

County	All Irrigation		Surface-Water Irrigation		Ground-Water Irrigation	
	Acres	Acre-feet	Acres	Acre-feet	Acres	Acre-feet
Andrews						
1979	9,207	9,132	125	125	9,082	9,007
1980	9,200	9,267	125	125	9,075	9,142
Armstrong						
1979	24,370	12,837	0	0	24,370	12,837
1980	21,435	19,163	0	0	21,435	19,163
Bailey						
1979	182,338	252,185	0	0	182,338	252,185
1980	195,200	410,640	0	0	195,200	410,640
Borden						
1979	291	303	11	23	280	280
1980	291	452	11	32	280	420
Briscoe						
1979	65,776	95,350	252	315	65,524	95,035
1980	42,231	48,963	252	315	41,979	48,648
Carson						
1979	134,050	160,365	0	0	134,050	160,365
1980	143,500	186,146	0	0	143,500	186,146
Castro						
1979	368,650	411,731	0	0	368,650	411,731
1980	367,153	418,175	0	0	367,153	418,175
Cochran						
1979	105,195	28,095	0	0	105,195	28,095
1980	96,579	97,314	0	0	96,579	97,314
Collingsworth						
1979	6,081	2,881	40	22	6,041	2,860
1980	6,184	5,639	70	41	6,114	5,598
Crosby						
*1979	52,800	43,088	*29,972	*24,769	22,828	18,319
1980	157,131	142,066	418	413	156,713	141,653
Dallam						
1979	220,515	323,345	0	0	220,515	323,345
1980	220,515	325,286	0	0	220,515	325,286
Dawson						
1979	56,700	9,700	0	0	56,700	9,700
1980	57,750	58,083	0	0	57,750	58,083
Deaf Smith						
1979	294,500	315,706	0	0	294,500	315,706
1980	294,500	309,193	0	0	294,500	309,193
Dickens						
1979	12,957	3,279	420	112	12,537	3,167
1980	12,957	7,599	420	160	12,537	7,439
Donley						
1979	17,128	8,379	0	0	17,128	8,379
1980	17,700	13,158	0	0	17,700	13,158

\*In 1979, rainfall runoff in playas was used as a significant source of irrigation water in this county.

TABLE B1.--IRRIGATED ACREAGE AND WATER USE FOR SELECTED  
AREAS, 1979 AND 1980--Continued

AREA A--continued

County	All Irrigation		Surface-Water Irrigation		Ground-Water Irrigation	
	Acres	Acre-feet	Acres	Acre-feet	Acres	Acre-feet
Ector						
1979	3,280	3,693	333	287	2,947	3,406
1980	2,300	8,134	360	1,800	1,940	6,334
Floyd						
1979	277,295	176,968	0	0	277,295	176,968
1980	255,813	303,155	0	0	255,813	303,155
Gaines						
1979	359,670	413,032	0	0	359,670	413,032
1980	359,670	517,051	0	0	359,670	517,051
Garza						
1979	11,900	11,894	0	0	11,900	11,894
1980	8,536	7,110	0	0	8,536	7,110
Gray						
1979	31,683	27,546	0	0	31,683	27,546
1980	34,000	40,008	0	0	34,000	40,008
Hale						
*1979	386,891	356,949	*96,723	*89,237	290,168	267,712
1980	406,190	675,722	190	327	406,000	675,395
Hall						
1979	23,401	17,712	0	0	23,401	17,712
1980	23,401	21,501	0	0	23,401	21,501
Hansford						
1979	251,750	390,678	128	128	251,622	390,550
1980	192,546	297,591	240	161	192,306	297,430
Hartley						
1979	200,000	251,417	0	0	200,000	251,417
1980	187,000	202,620	0	0	187,000	202,620
Hemphill						
1979	4,357	6,899	96	90	4,261	6,809
1980	1,545	2,773	0	0	1,545	2,773
Hockley						
1979	100,500	45,017			100,500	45,017
1980	200,121	135,360	0	0	200,121	135,360
Howard						
1979	791	856	16	24	775	832
1980	791	856	16	24	775	832
Hutchinson						
1979	80,389	102,539	0	0	80,389	102,539
1980	57,697	74,160	0	0	57,697	74,160
Lamb						
1979	296,600	320,033	0	0	296,600	320,033
1980	354,315	614,029	0	0	354,315	614,029
Lipscomb						
1979	33,180	38,417	60	30	33,120	38,387
1980	33,180	27,231	150	75	33,030	27,156
Lubbock						
1979	95,395	25,980	4,173	13,780	91,222	12,200
1980	186,002	137,753	4,280	14,134	181,722	123,619

\*In 1979, rainfall runoff in playas was used as a significant source of irrigation water in this county.

TABLE B1.--IRRIGATED ACREAGE AND WATER USE FOR SELECTED  
AREAS, 1979 AND 1980--Continued

AREA A--continued

County	All Irrigation		Surface-Water		Ground-Water	
	Irrigation		Irrigation		Irrigation	
	Acre	Acre-feet	Acre	Acre-feet	Acre	Acre-feet
Lynn						
1979	64,559	38,290	525	400	64,034	37,890
1980	73,175	71,587	300	175	72,875	71,412
Martin						
1979	25,000	15,625	0	0	25,000	15,625
1980	25,000	20,439	0	0	25,000	20,439
Midland						
1979	17,745	24,571	900	1,875	16,845	22,696
1980	17,580	25,452	600	1,400	16,980	24,052
Mitchell						
1979	2,940	2,525	150	150	2,790	2,375
1980	2,920	3,432	195	214	2,725	3,218
Moore						
1979	233,725	304,033	0	0	233,725	304,033
1980	215,000	286,332	0	0	215,000	286,332
Motley						
1979	7,544	2,975	40	37	7,504	2,938
1980	8,358	3,558	40	43	8,318	3,515
Ochiltree						
1979	120,000	108,717	0	0	120,000	108,717
1980	100,000	127,629	0	0	100,000	127,629
Oldham						
1979	16,830	16,722	0	0	16,830	16,722
1980	15,630	10,995	0	0	15,630	10,995
Parmer						
1979	417,986	592,805	87	155	417,899	592,650
1980	325,747	437,316	0	0	325,747	437,316
Potter						
1979	15,240	20,715	1,680	2,940	13,560	17,775
1980	14,783	21,197	925	1,705	13,858	19,492
Randall						
1979	74,446	79,955	1,390	1,372	73,056	78,583
1980	73,191	64,389	830	671	72,361	63,718
Roberts						
1979	11,634	14,184	0	0	11,634	14,184
1980	11,271	14,912	0	0	11,271	14,912
Scurry						
1979	4,565	5,532	350	917	4,215	4,615
1980	4,950	9,271	350	1,063	4,600	8,208
Sherman						
1979	231,000	268,267	210	255	230,790	268,012
1980	208,593	312,813	250	418	208,343	312,395
Swisher						
1979	132,624	157,952	0	0	132,624	157,952
1980	181,720	212,836	0	0	181,720	212,836
Terry						
1979	166,336	57,712	100	34	166,236	57,678
1980	175,759	134,577	138	137	175,621	134,440

TABLE B1.--IRRIGATED ACREAGE AND WATER USE FOR SELECTED  
AREAS, 1979 AND 1980--Continued

AREA A--continued

County	All Irrigation		Surface-Water Irrigation		Ground-Water Irrigation	
	Acres	Acre-feet	Acres	Acre-feet	Acres	Acre-feet
Wheeler						
1979	13,035	7,788	0	0	13,035	7,788
1980	11,870	7,790	0	0	11,870	7,790
Yoakum						
1979	121,910	122,912	0	0	121,910	122,912
1980	135,549	179,008	0	0	135,549	179,008
Total						
1979	5,384,759	5,707,287	137,781	137,077	5,246,978	5,570,210
1980	5,546,529	7,059,731	10,160	23,433	5,536,369	7,036,298

AREA B

County	All Irrigation		Surface-Water Irrigation		Ground-Water Irrigation	
	Acres	Acre-feet	Acres	Acre-feet	Acres	Acre-feet
Pecos						
1979	27,291	94,462	726	3,237	26,340	91,225
1980	33,620	104,122	479	978	33,141	103,144
Reeves						
1979	36,502	127,469	6,359	18,016	30,143	109,453
1980	39,145	119,624	5,419	12,906	33,726	106,718
Total						
1979	63,793	221,931	7,085	21,253	56,483	200,678
1980	72,765	223,746	5,898	13,884	66,867	209,862

TABLE B1.--IRRIGATED ACREAGE AND WATER USE FOR SELECTED  
AREAS, 1979 AND 1980--Continued

AREA C

County	All Irrigation		Surface-Water Irrigation		Ground-Water Irrigation	
	Acres	Acre-feet	Acres	Acre-feet	Acres	Acre-feet
Atascosa						
1979	31,175	55,799	175	134	31,000	55,665
1980	30,975	73,799	175	190	30,800	73,609
Dimmit						
1979	14,093	21,558	6,491	9,719	7,602	11,839
1980	14,901	22,965	2,676	3,914	12,225	19,051
Edwards						
1979	325	282	175	173	150	108
1980	325	259	175	159	150	100
Frio						
1979	68,404	76,685	505	672	67,899	76,013
1980	68,404	75,278	403	515	68,001	74,763
Kinney						
1979	7,566	12,862	2,513	3,532	5,053	9,330
1980	6,860	10,782	1,390	1,473	5,470	9,309
La Salle						
1979	13,055	10,707	2,236	1,647	10,819	9,060
1980	13,071	13,126	2,332	2,367	10,739	10,759
Maverick						
1979	42,030	63,337	40,400	61,097	1,630	2,240
1980	41,600	62,783	40,400	61,583	1,200	1,200
Medina						
1979	38,050	65,370	13,250	21,733	24,800	43,637
1980	38,750	108,205	12,250	34,041	26,500	74,164
Real						
1979	455	232	455	232	0	0
1980	763	322	763	322	0	0
Uvalde						
1979	39,612	78,105	1,680	2,190	37,932	75,915
1980	38,920	75,332	1,160	1,417	37,760	73,915
Val Verde						
1979	870	1,350	620	1,130	250	220
1980	640	1,264	575	1,174	65	90
Zavala						
1979	85,510	146,793	15,592	26,246	69,918	120,547
1980	66,450	104,591	12,145	22,791	54,305	81,800
Total						
1979	341,145	533,079	84,092	128,505	257,053	404,574
1980	321,659	548,706	74,444	129,946	247,215	418,760







