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1988 Corn Performance Tests in Texas

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1988 CORN PERFORMANCE TESTS IN TEXAS

by

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KEYWORDS: Texas/corn/hybrids/performance test/yield/disease/insect resistance.

1988 CORN PERFORMANCE TESTS IN TEXAS

Dennis Pietsch, A. J. Bockholt, Randy Gaas, and Frank Fojt III

INTRODUCTION

Preliminary figures indicate that Texas farmers harvested 1.3 million acres of corn in 1988 compared to 1.25 million acres in 1987 or a 4% increase (1). Although drought conditions persisted throughout much of South, Central, and North Texas, some non-irrigated areas received timely rainfall resulting in record yields while other areas received minimal rainfall thus resulting in below normal yields.

The State mean yield is projected to be 105 bushels/acre compared to 107 bushels per acre in 1987. Although the mean yield is 2 bushels less than 1987, it is still 1.4 bushels greater than the past 10 year state average of 103.6 bushels per acre (Figure 1).

Corn is a major commodity in Texas and constant emphasis is being placed on corn being used for feed and food purposes. Since Texas is climatically diversified, it becomes necessary to evaluate corn hybrids for feed and food potential in performance tests from the Lower Rio Grande Valley to the High Plains.

This publication contains results from four irrigated and four non-irrigated performance test sites conducted in the major corn producing areas of Texas. Approximate locations of the performance test sites are shown in Figure 2. Results of performance tests are useful in determining the adaptability of corn in an area.

In addition, the results of a supplementary corn variety test conducted at Beaumont and Halfway, Texas, are included. The Beaumont test was conducted by Dr. John Sij of the Texas Agricultural Research and Extension Center at Beaumont. The Halfway test was conducted at the Texas Agricultural Experiment Station at Halfway in cooperation with the High Plains Research Foundation. Results from these tests will be useful in determining the adaptability of corn in these areas.

CORN PERFORMANCE TESTING IN TEXAS

Corn hybrids are evaluated annually for field performance at several locations that are representative of Texas corn production areas (Figure 2). This program is conducted by personnel from the Crop Testing Program, TAMU, College Station, Texas; and is financed in part by fees from participating commercial seed companies (Table 1). All locations are designated annually by a committee of representatives from the seed industry and the Texas Agricultural Experiment Station (TAES). Test sites are on privately owned farms or at Texas A&M University Research and Extension Centers. Corn seed producers use the State Testing Program to determine the performance of their material at several locations under different and changing environmental conditions.

Entry of a hybrid at a given location does not imply that it is recommended for that area. Data contained in this publication are a measure of performance of corn hybrids planted during a particular season at the locations shown.

ENTRIES AND REPORTS

Official entry forms are mailed in December to everyone who has expressed an interest in the Texas corn performance testing program. The forms include the necessary information to make entries in any or all of the locations to be planted. There are no restrictions on the number of hybrids a company may enter, and experimental materials are accepted. All hybrids are entered on a fee basis under their brand name or number designation (Table 1). In addition, commercial and standard check hybrids were entered by TAES at selected locations. The commercial checks are hybrids commonly grown in a respective area that were not already entered in the test. These were derived from a survey conducted by area county agents, farmers, and seed dealers near the respective test sites and designated as "CHECK #X." TAES checks are of a known pedigree and planted with seed from a commercial source. After the test plantings are established, each participant receives a location sketch and planting plan for observation of the test block during the growing season.

After the data has been statistically analyzed, results from each individual test site are made available to participating companies, farmers, county extension agents, test cooperators, and anyone else who requests the information in a timely manner. A detailed publication combining all test results is produced at a later date.

FIELD-PLOT TECHNIQUES

Excessive amounts of seed were packaged and distributed at all locations by one of the following methods:

1. Hand-dropped through planter at Wharton, Castroville, Bardwell, Thrall, and Dumas
2. Cone planter at Weslaco, Corpus Christi, and College Station.

After emergence, seedlings in each plot were hand-thinned to stands recommended by the company entering the hybrid.

Cultural and agronomic practices adapted for general use in the area were used as determined by the cooperator. Field data were recorded at the appropriate time and other data collected at harvest. All locations were hand-harvested; all entries from the four replications were shelled, and moisture determined at or near the test site. Samples from the Wharton, Thrall, and Bardwell test sites were brought back to College Station, shelled, and moisture was determined the same day or the day after harvest.

DATA

The following agronomic data are reported. Each item listed may or may not be quoted in this report for each of the respective locations.

Cob color--designated by companies when hybrids are entered: R = red, W = white, P = pink.

Grain color--designated by companies when hybrids are entered: Y = yellow, W = white.

Days to silk--number of days from planting to the time that 50 percent of the plants are showing silk.

Plant height--number of inches from ground to top of tassel.

Ear height--number of inches from ground to base of ear.

Moisture--determined from samples of shelled corn with an electrical conductance meter from all replications at harvest

Plant population--calculated from number of plants in harvested plots x acre conversion factor.

Lodged plants--percentage of plants leaning more than 45 degrees from the upright or vertical position in the harvested area.

Broken plants--percentage of plants detached below ear level in the harvested area.

Test weight--pounds per bushel of grain determined with an official test weight apparatus.

Smut--percentage of plants from harvested area showing smut.

Yield--determined by the following method: mean plot weight x acre conversion factor x mean shelling percent x $(100 - \text{mean moisture}/100 - 15.5)/56$. Yield is expressed in bushels per acre (bu/A).

Statistical significance--indicated according to Duncan's Multiple Range Test method at the 0.05 alpha level.

RESULTS

The 1988 crop year will probably be remembered as a very "unique" year in regard to conducting performance tests. Although drought conditions were widespread, sporadic rainfall in isolated areas, resulted in excellent yields.

Ample soil moisture was available at planting and good plant stands were secured after thinning at all test sites. Below normal temperatures after planting retarded early plant growth and development, but warm temperatures followed resulting in good plant growth. Extended periods of limited rainfall warranted additional irrigations at the irrigated test sites. Test mean yields from the four irrigated test sites ranged from 125.1 bu/A at Castroville to 206.9 bu/A at Dumas. Test mean yields at the non-irrigated test sites were excellent except for Corpus Christi (Coastal Bend Area) where drought conditions persisted throughout the growing season. The test mean yield at Corpus Christi was only 53.1 bu/A. Timely rainfall allowed record yields to be established at Wharton (Upper coast) with the test mean yield being 169.3 bu/A. Beneficial rains in June and July at Bardwell and Thrall ensured good yields. Hot and dry conditions at harvest allowed for rapid and continuous harvest

Results of each of the performance test locations are presented as follows:

1. Tables 2-9 summarize agronomic and test data information.
2. Tables 2A-9A show performance test information from the respective locations. Some hybrids are in the experimental stage and seed are not available in quantities for farm planting. These hybrids are designated by an experimental number. Individuals may contact seed companies in Table 1 for the availability of planting seed for a particular hybrid.

3. Tables 2B-9B are summaries of hybrids showing test yields and test ranks at respective locations for given periods of time. These are helpful in the selection of hybrids for a particular area. Hybrids not entered for a respective year are designated (--). Hybrids with the same yields were ranked by computer.
4. Tables S1-S2 give results of a supplementary corn variety test conducted at Beaumont, Texas by Dr. John Sij. This test was conducted separately from the state corn and grain sorghum performance tests.
5. Tables S3-S4 give results of a supplementary corn variety test conducted at Halfway, Texas. This test was conducted separately from the State corn performance tests. It was conducted as part of the sorghum and corn variety testing program at the Texas Agricultural Experiment Station at Halfway in cooperation with the High Plains Research Foundation.

Figure 1. Texas Corn Yield, 1979-1988

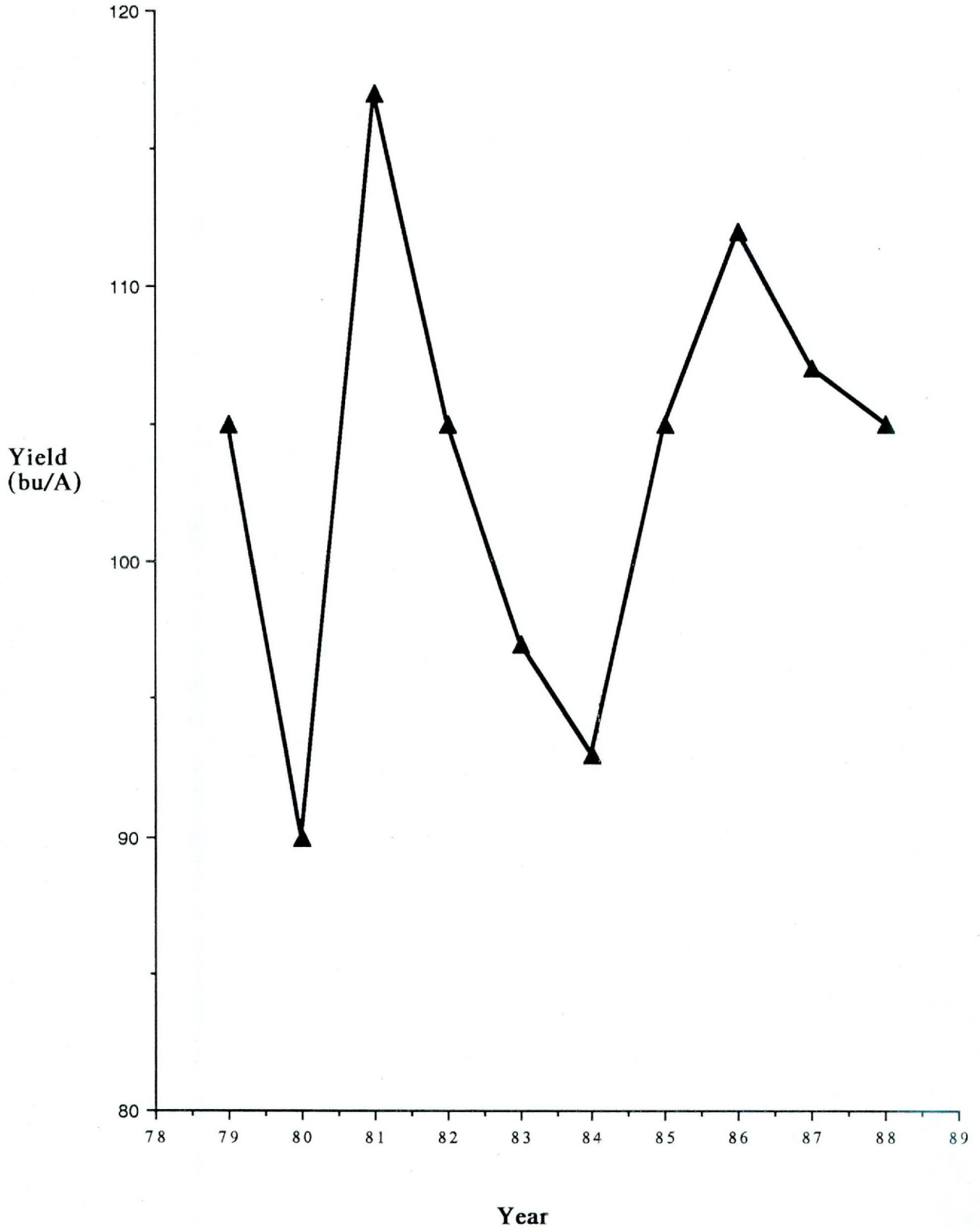


Table 1. Name, address and hybrid designation for participants in the 1988 Texas Corn Performance Test

Company & Address	Hybrid	Weslaco	Castroville	Corpus Christi	Wharton	Bardwell	Thrall	College Station	Dumas
AgriPro Seeds P.O. Box 237 Tekamah, NE 68061	AgriPro AP670 Agri Pro 820 AgriPro AP510	X X -	X X -	X X -	X X -	X X -	X X -	X X -	X X X
ASGROW SEED CO. Box 1945 Plainview, TX 79072	Rx 895 Rx 956W XP 9866 X Rx 905 XP 9086 X RX 892	X X X - - -	X X X - - -	X X - X X X	- - - X X X	X X - X X X	- - - X X X	- - - X X X	- - - X X X
BROWNING SEED, INC. P.O. Box 1836 Plainview, TX 79072	McAllister 8410	-	X	-	-	X	X	-	-
Cargill Hybrid Seeds P.O. Box 5645 Minneapolis, MN 55440	9427 7993 7989 Sx 352 7877	- - - - -	- - - - -	X X - - -	- X X X -	- X X X -	- X X X -	- - - - -	X X - X X
CARMEX Rt. 3 Box 423 A Harlingen, TX 78552	8990 9427R SX379 XC385	X X X X	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -
Columbia Seeds 1607 57th Street Lubbock, TX 79412	C.S.7030 C.S.7020	X X	- -	- -	- -	- -	- -	- -	- -
Conlee Seed Co. , Inc. P.O. Box 7247 Waco, TX 76714-7247	8631 113-W 8850	X X X	X X -	X X X	- - X	- - X	- - X	X - X	X - X

Table 1. (Continued)

Company & Address	Hybrid	Weslaco	Castroville	Corpus Christi	Wharton	Bardwell	Thrall	College Station	Dumas	
Conlee Seed Co., Inc (Cont.)	8830	-	-	X	X	X	X	X	X	
	8520	-	-	X	X	X	X	X	X	
	8840	-	-	-	X	X	X	-	X	
DEKALB-PFIZER GEN. 3100 Sycamore Road DeKalb, IL 60115	EXP765W (X)	X	X	-	-	-	-	-	-	
	EXP775W (X)	X	X	-	-	-	-	-	-	
	XA 755	X	X	X	X	-	-	-	-	
	DK689	X	X	X	X	X	X	-	-	
	DK711	-	-	X	X	X	X	-	X	
	DK656	-	-	-	-	-	-	-	X	
FRONTIER SEED CO. Box 177 Abernathy, TX 79311	F-3040	X	-	-	-	-	X	X	-	
	F-3030	X	-	-	-	-	X	X	-	
	F-4040	X	-	-	-	-	-	-	-	
Funk Seeds International 719 26th Street Lubbock, TX 79404	G-4620	X	X	-	-	-	-	-	-	
	G-4665	X	X	-	-	-	-	-	-	
	G-4743	X	-	-	-	-	-	-	-	
	G-4673B	X	X	X	X	X	X	X	X	
	G-4676W	X	-	-	-	-	-	-	-	
	G-6058 X	X	-	-	-	-	-	-	-	
	G-4666	-	X	X	X	X	X	X	-	
	G-4644W	-	X	-	-	-	-	-	-	
	G-4500	-	-	X	-	X	X	X	X	
	G-4543	-	-	X	X	X	X	X	-	
	7046X	-	-	X	X	-	-	X	-	
	G-4513	-	-	-	-	-	-	-	X	
	G-4626	-	-	-	-	-	-	-	X	
	Garrison Seed & Co., Inc. Drawer 2420 Hereford, TX 79045	SG 8333	X	X	X	X	X	X	X	X
		SG 8215	X	X	X	X	X	X	X	X
SG 85014 X		X	-	-	-	-	-	-	-	

Table 1. (Continued)

Company & Address	Hybrid	Weslaco	Castroville	Corpus Christi	Wharton	Bardwell	Thrall	College Station	Dumas
GroAgri Seed Company P.O. Box 1656 Lubbock, TX 79408	EXP 4172	X	-	X	X	-	-	-	-
	EXP 4176	X	-	-	-	-	-	-	-
	EXP 4177	X	-	-	-	-	-	-	-
	EXP 4622	X	-	-	-	-	-	-	-
	EXP 4715	X	-	-	X	-	-	-	-
	EX 4119	-	-	-	-	X	X	-	-
	EX 4178	-	-	-	-	X	-	-	X
HyPerformer Seed Co. 5100 Poplar, Suite 3200 Memphis, TN 38137	HS 56	-	-	X	X	-	X	-	X
	HS 60	-	-	X	X	-	X	-	X
	HS 64	-	-	X	X	-	X	-	X
	HS 97	-	-	X	X	-	X	-	X
Hoegemeyer Hybrids Route 2 Hooper, NE 68031	SX 2684	-	-	-	-	-	-	-	X
	SX 2689	-	-	-	-	-	-	-	X
	SX 2673	-	-	-	-	-	-	-	X
Douglass W. King Co. P.O. Box 200320 San Antonio, TX 78220	King 7104	X	-	-	X	-	-	-	-
	King 4154A	X	-	X	X	X	X	X	X
	King 5114	X	-	X	X	X	X	X	X
	King 4164F	X	-	X	X	-	-	X	-
Northrup King Co. 6139 37th Lubbock, TX 79407	S 7759	X	-	X	-	X	X	X	X
	PX 9581	X	-	X	-	-	X	-	-
	S 8645	-	-	X	-	-	-	X	-
	S 8505	-	-	X	X	-	-	-	-
	PX 9646	-	-	-	X	-	-	-	-
	PX 9540	-	-	-	-	X	-	-	X
MASTER SEED CO. P.O. Box 615 Progresso, TX 78579	M-280-Y	X	-	-	-	-	-	-	-
	M-282-Y	X	-	-	-	-	-	-	-
	M-284-Y	X	-	-	-	-	-	-	-

Table 1. (Continued)

Company & Address	Hybrid	Weslaco	Castroville	Corpus Christi	Wharton	Bardwell	Thrall	College Station	Dumas
NC+ Hybrids Box 4408 3820 North 56 Street Lincoln, NE 68504	NC+ 6414	X	-	X	X	-	-	-	-
	NC+ 7507	X	-	X	X	-	-	X	-
	NC+ 8085	X	-	X	-	-	-	X	-
	NC+ 8141	X	-	-	-	-	-	-	-
	NC+ 5891	-	-	-	X	-	-	X	-
ORO Hybrids 624 27th Street Lubbock, TX 79404	ORO 200 W	X	X	-	-	-	-	-	-
	ORO EXP.805X	X	X	X	-	-	-	-	-
	ORO 150	-	X	X	X	X	X	X	X
	ORO 180	-	X	X	X	X	X	X	X
	ORO 190	-	X	X	X	X	X	X	X
	ORO 271	-	X	X	X	X	X	X	X
	ORO 151	-	-	-	-	X	X	X	-
	ORO EXP. 801X	-	-	-	-	X	X	X	-
Pioneer Hi-Bred Intl., Inc. P.O. Box 788 Plainview, TX 79072	Pioneer® hybrid 3165	X	X	X	X	X	X	X	-
	Pioneer® hybrid 3110	X	X	X	X	-	X	X	-
	Pioneer® hybrid 3192	X	X	-	-	-	-	-	-
	Pioneer® hybrid 3144W	X	X	X	-	-	-	-	-
	Pioneer® hybrid 3140	X	X	X	X	X	X	X	-
	Pioneer® hybrid 3343	X	X	X	X	X	X	X	-
	Pioneer® hybrid XC871	X	X	X	X	X	X	X	-
	Pioneer® hybrid XC872	X	X	X	X	X	X	X	-
	Pioneer® hybrid 3124	-	-	-	-	X	X	-	X
	Pioneer® hybrid 3168	-	-	-	-	X	X	-	X
	Pioneer® hybrid 3181	-	-	-	-	-	-	-	X
	SEEDTEC INTERNATIONAL P.O. Box 2212 Hereford, TX 79045	WAC 915	X	X	X	X	X	-	-
ST 7680		X	X	X	X	X	X	X	X
ST 7750		X	-	X	X	-	X	X	-

Table 1. (Continued)

Company & Address	Hybrid	Weslaco	Castroville	Corpus Christi	Wharton	Bardwell	Thrall	College Station	Dumas
SEEDTEC INTERNATIONAL (Cont.)	ST 7625	X	X	-	X	-	X	-	X
	WAC 920D	X	-	X	-	-	-	-	-
	H-2625W	-	X	-	-	-	-	-	-
Southern Corn Research P.O. Box 200320 San Antonio, TX 78220	SCR 3	X	-	-	X	X	-	-	X
	SCR 6	X	-	-	X	-	-	-	-
	SCR 8	X	-	-	X	X	-	-	X
	SCR 1	X	-	X	X	-	-	X	-
Summit Seed Company 622 28th St., Box 10121 Lubbock, TX 79408	TR3303	X	-	X	X	X	X	X	X
	TR4405	X	-	-	X	-	-	-	-
	TR1170	X	-	-	-	-	-	-	-
	TR1185	X	-	-	-	-	-	-	-
TAYLOR-EVANS SEED CO. P.O. Box 68 Tulia, TX 79088	T-E 6998	X	-	-	-	-	-	-	-
	T-E 6996	X	X	X	X	X	X	X	-
	T-E 6994	X	X	X	X	-	X	X	-
	X-7313	X	-	-	-	-	-	-	-
	T-E 6988	-	X	X	X	X	X	X	X
	T-E 6951	-	-	-	X	X	X	-	X
	T-E X3217	-	-	-	-	X	-	-	X
	T-E X-1322	-	-	-	-	-	-	X	-
	T-E 6995	-	-	-	-	-	-	-	X
	T-E X-7340	-	-	-	-	-	-	-	X
Texas Seed Company, Inc. P.O. Drawer 599 Kenedy, TX 78119	PS 799	-	X	-	X	-	-	-	-
	PS 777	-	X	-	X	-	-	-	-
Triumph Seed Company P.O. Box 1050 Ralls, TX 79357	1650FG	X	-	-	-	-	-	-	-
	2460W	X	-	-	-	-	-	-	-
	1990W	X	-	-	-	-	-	-	-

Table 1. (Continued)

Company & Address	Hybrid	Weslaco	Castroville	Corpus Christi	Wharton	Bardwell	Thrall	College Station	Dumas
Triumph Seed Co. (Cont.)	2035	X	-	-	-	-	-	-	-
	2020	X	-	-	-	-	-	-	X
	1595	-	-	-	-	-	-	-	X
VINEYARD SEED CO., INC.	V68W	X	X	X	-	-	-	-	-
Route 1, Box 147	V68AW	X	X	X	-	-	-	-	-
Homer, IL 61849	FC 575	X	-	-	-	-	-	-	-
	V58W	-	X	X	-	-	-	-	-
George Warner Seed Co.	W-2160	X	X	X	X	X	X	-	X
P.O. Box 1448	W-2192	X	-	X	X	X	-	-	X
Hereford, TX 79045	W-2192-A	-	-	-	-	-	-	-	X
Wilson Hybrids, Inc.	Wilson 2300	-	-	-	-	-	-	-	X
P.O. Box 391									
Harlan, IA 51537									
Texas Agricultural Experiment Station (TAES)	88203 (Tx 715 x Tx 724)	X	-	-	-	-	-	-	-
College Station, TX 77843	84202 (B73 x Tx 706)	X	X	X	X	X	X	X	X
	88201 (Tx 714 x Tx 706)	X	X	X	X	X	X	X	X
	88301 (K55 x CI66) x Tx601W3	X	-	-	-	-	-	-	-
	88204 (Tx29A x Tx112)	-	X	X	X	X	X	X	-
	88205 (Tx 110 x Tx113)	-	X	X	X	-	-	X	-
	88206 (Tx110 x Tx112)	-	-	X	-	X	X	-	-
	88207 (Tx715 x Tx716)	-	X	-	-	-	-	-	-
	CHECK 1	X	X	X	X	X	X	X	-
	CHECK 2	X	X	X	X	X	X	X	-
	CHECK 3	-	X	-	X	X	X	X	-
	CHECK 4	-	X	-	-	X	-	-	-

TABLE 2. AGRONOMIC AND TEST INFORMATION: WESLACO

TEST:	1988 Irrigated Corn Performance Test
LOCATION:	Texas A&M University Research and Extension Center, Weslaco, Texas
COOPERATORS:	John Drawe, Ray Castaneda, and Dennis Pietsch
SOIL TYPE:	Hidalgo clay loam
ROW WIDTH:	40"
PREVIOUS CROP:	Corn (Spring 1987), Fallow in Fall
LAND PREPARATION:	Disked, moldboard, disked, bedded
DATE PLANTED:	2-22-88
PLOT LENGTH:	30'
FERTILIZER:	188-0-0; applied 250 lb/A liquid 32-0-0 on 2-17-88, and 340 lb/A liquid 32-0-0 on 3-28-87
HERBICIDE:	Prowl (pendimethalin), 1pt/A on 2-26-88
INSECTICIDE:	6.5 lb/A Furadan (carbofuran) at planting
RAINFALL:	February = .01"; March = 1.06"; April = 0.87"; May = = 0.56"; June = 2.36"; July = 1.48"; Total = 6.34"
IRRIGATIONS:	4-13, 5-9, and 6-2; approx. 4"/application
DATE HARVESTED:	7-19&20-88, by hand
SIZE HARVESTED PLOT:	1/1,000 acre
TEST DESIGN:	Randomized block
NUMBER ENTRIES:	92
NUMBER REPLICATIONS:	4
NUMBER ROWS/PLOT:	1
MEAN PLANT POP.:	24,321 plants/A
TEST MEAN:	157.9 bu/A; yields corrected to 15.5% moisture
TEST C.V.:	9.1 percent

GENERAL INFORMATION: Excellent plant stands, along with good agronomic and cultural practices resulted in outstanding yields at this test site. An optimum planting date was achieved and rapid seedling emergence occurred. A brief period of cold temperatures in mid-March did not reduce plant stands nor hamper early plant growth and development. Continuous plant growth, resulted from rainfall and a timely irrigation schedule throughout the growing season.

High winds immediately following the last irrigation resulted in extensive lodging. When interpreting the data, those plants that were detached below the ear were classified as broken plants. All other plants that were not erect were classified as lodged.

The test mean yield of 157.8 bu/A is 23 bu/A above the test mean of 1987 and 37.9 bu/A greater than the past 5-year average of 119.9 bu/A.

TABLE 2A. CORN PERFORMANCE TEST; WESLACO, TEXAS 1989

HYBRID *	COMPANY OR BRAND NAME	COB COLOR **	GRAIN COLOR ***	DAYS TO 50% SILK	PLANT HT. IN.	EAR HT. IN.	MOIS- TURE %	PLANT POP. PER ACRE	% SMUT	% LODGED	% BROKEN	TEST WT. lb/bu	YIELD bu/A	STAT SIG. ****
84202Y	Tx. Agri. Exp. Sta.	P	Y	75	92	53	15.7	24250	1.0	69.1	0.0	59.6	179.0	A
9427R	CARMEX	R	Y	74	91	47	14.7	25250	0.0	74.3	0.0	60.2	178.3	A-B
XA 775	DEKALB-PFIZER GEN.	P	Y	74	86	44	14.5	29250	0.0	12.0	0.0	62.1	177.5	A-C
NC+ 7507	NC+ Hybrids	R	Y	75	85	51	12.8	23250	0.0	66.7	0.0	60.3	177.2	A-D
1650FG	Triumph Seed Co.	W	Y	72	91	45	14.0	26250	0.0	41.9	1.0	62.7	176.6	A-E
X-7313	TAYLOR-EVANS SEED	R	Y	73	92	45	16.0	23750	0.0	11.6	0.0	62.1	176.5	A-F
DK689	DEKALB-PFIZER GEN.	P	Y	74	86	48	14.0	28250	0.0	46.0	0.0	59.4	176.3	A-G
6058x	Funk Seeds Int.	W	W	74	84	44	14.5	25250	0.0	47.5	0.0	62.7	175.2	A-H
T-E 6998	TAYLOR-EVANS SEED	R	Y	76	86	45	15.8	26750	0.9	55.1	0.0	61.1	175.1	A-H
SX379	CARMEX	R	Y	76	82	46	15.2	28500	0.9	50.0	0.0	60.4	174.0	A-I
T-E 6994	TAYLOR-EVANS SEED	R	Y	73	88	51	13.4	23000	0.0	76.1	0.0	60.2	173.8	A-I
T-E 6996	TAYLOR-EVANS SEED	R	Y	73	90	52	14.1	24250	0.0	76.3	0.0	62.7	172.2	A-J
88201Y	Tx. Agri. Exp. Sta.	W	Y	76	94	55	16.3	27750	0.9	59.5	0.0	60.2	171.8	A-K
G-4673B	Funk Seeds Int.	R	Y	75	88	44	13.8	25750	0.0	61.2	0.0	60.7	171.4	A-K
NC+ 8085	NC+ Hybrids	R	Y	74	90	45	14.9	25250	0.0	14.9	0.0	61.3	171.1	A-K
113-W	Conlee Seed Co.	W	W	74	89	48	16.4	24000	0.0	50.0	1.0	61.6	170.1	A-L
S7759	Northrup King Co.	R	Y	72	83	48	12.9	27250	0.0	37.6	0.0	60.5	169.9	A-M
SCR 8	Southern Corn Res.	R	Y	73	89	46	13.6	25750	0.0	36.9	0.0	59.3	169.5	A-M
M-282-Y	MASTER SEED CO.	R	Y	76	94	48	16.0	24750	0.0	21.2	0.0	61.1	167.6	A-N
TR 4405	Summit Seed Co.	R	Y	74	92	49	14.7	25000	0.0	68.0	0.0	61.9	166.2	A-O
1990W	Triumph Seed Co.	W	W	74	85	47	15.6	24250	0.0	26.8	0.0	62.4	165.9	A-O
G-4620	Funk Seeds Int.	W	Y	72	89	41	13.9	24750	0.0	23.2	0.0	61.9	165.8	A-O
W-2160	George Warner Seed	R	Y	72	83	46	13.9	23750	0.0	12.6	0.0	61.1	165.4	A-O
King 4154A	Douglass W. King	R	Y	71	90	44	12.1	26750	0.0	58.9	0.0	59.1	165.1	A-O
Check 2	Tx. Agri. Exp. Sta.			76	93	54	16.0	23750	0.0	77.9	0.0	60.0	164.1	A-O
Exp 4715	GroAgri Seed Co.	W	Y	73	88	45	14.1	25500	1.0	47.1	0.0	62.3	163.8	A-O
C.S. 7030	Columbia Seeds	R	Y	72	89	44	13.6	22500	1.1	36.7	0.0	60.0	163.0	A-P
SCR 6	Southern Corn Res.	R	Y	77	92	51	16.4	20750	0.0	69.9	0.0	60.0	162.4	A-P
WAC 915	SEEDTEC INT.	R	Y	73	90	50	13.3	22750	0.0	38.5	0.0	60.0	162.3	A-P
M-284-Y	MASTER SEED CO.	R	Y	76	94	45	15.7	24000	0.0	27.1	0.0	60.9	162.3	A-P
V68W	VINEYARD SEED CO.	W	W	74	84	47	16.2	24000	0.0	45.8	0.0	61.7	162.0	A-P
ST 7750	SEEDTEC INT.	R	Y	73	88	47	14.5	23000	0.0	12.0	0.0	61.1	160.9	A-P
Exp 4622	GroAgri Seed Co.	W	W	75	88	47	17.9	22750	0.0	49.5	0.0	60.8	160.9	A-P
Px 9581	Northrup King Co.	R	Y	72	80	46	13.9	25000	0.0	51.0	0.0	59.9	160.7	A-P
8850	Conlee Seed Co.	R	Y	69	80	43	13.7	23500	0.0	59.6	0.0	61.3	160.6	A-P
M-280-Y	MASTER SEED CO.	R	Y	76	91	47	15.4	24000	0.0	44.8	0.0	60.3	160.5	A-P
TR 1185	Summit Seed Co.	W	W	73	89	49	14.9	25250	0.0	28.7	0.0	62.6	160.3	A-Q
ORO Exp.805X	ORO Hybrids	W	Y	72	85	45	13.5	24250	0.0	63.9	0.0	62.6	159.8	A-Q
ST 7625	SEEDTEC INT.	R	Y	74	94	42	13.3	27750	0.0	26.1	0.0	60.1	159.4	A-Q

TABLE 2A. CORN PERFORMANCE TEST; WESLACO, TEXAS 1988

HYBRID *	COMPANY OR BRAND NAME	COB COLOR **	GRAIN COLOR ***	DAYS TO 50% SILK	PLANT HT. IN.	EAR HT. IN.	MOIS- TURE %	PLANT POP. PER ACRE	% SMUT	% LODGED	% BROKEN	TEST WT. lb/bu	YIELD bu/A	STAT SIG. ****
TR 3303	Summit Seed Co.	R	Y	73	84	47	12.9	25000	0.0	49.0	0.0	60.6	158.9	A-Q
EXP 775w (x) V68AW	DEKALB-PFIZER GEN. VINEYARD SEED CO.	W	W	73	84	50	15.7	25250	0.0	14.9	0.0	62.5	158.9	A-Q
Pioneer hybrid 3144W Check 1	Pioneer Hi-Bred Tx. Agri. Exp. Sta.	W	W	75	85	46	14.9	23250	0.0	37.6	0.0	59.8	158.0	A-Q
XP 9866X	ASGROW SEED CO.	W	Y	77	92	50	15.2	27250	0.0	71.6	0.0	60.5	157.8	A-Q
2460W	Triumph Seed Co.	W	W	73	81	43	16.5	22500	0.0	66.7	0.0	61.3	157.4	A-Q
NC+ 6414	NC+ Hybrids	R	Y	70	86	44	13.0	25000	0.0	53.0	0.0	59.5	157.4	A-Q
Rx 895	ASGROW SEED CO.	W	Y	73	86	42	13.9	22750	0.0	36.3	0.0	61.8	157.4	A-Q
2035	Triumph Seed Co.	R	Y	72	89	46	14.2	23000	0.0	34.8	0.0	61.5	156.8	A-Q
ORD 200w	ORD Hybrids	W	W	75	87	50	15.4	26000	0.0	40.4	0.0	62.3	156.7	A-Q
S.G. 8333	Garrison Seed	R	Y	68	86	43	13.0	26500	0.9	42.5	0.0	61.2	156.6	A-Q
Pioneer hybrid XC871	Pioneer Hi-Bred	P	Y	73	86	44	15.2	23750	0.0	20.0	0.0	61.1	156.5	A-Q
NC+ 8141	NC+ Hybrids	W	W	74	87	51	15.4	21500	0.0	26.7	0.0	62.5	155.4	A-Q
S.G. 85014x	Garrison Seed	R	Y	71	80	44	12.9	25000	0.0	10.0	0.0	61.2	155.3	A-Q
2020	Triumph Seed Co.	R	Y	72	87	45	14.3	22250	0.0	25.8	0.0	61.7	154.8	A-Q
King 7104	Douglass W. King	R	Y	76	95	55	16.2	21750	0.0	83.9	0.0	60.6	154.2	A-Q
G-4676W	Funk Seeds Int.	W	W	69	74	42	15.1	25500	0.0	31.4	1.0	62.3	153.2	A-R
FC 575	VINEYARD SEED CO.	W	Y	71	87	46	13.5	25750	0.0	29.1	0.0	60.0	152.9	B-R
88203Y	Tx. Agri. Exp. Sta.	W	Y	74	82	42	14.8	20250	0.0	97.5	0.0	61.3	152.7	B-R
W-2192	George Warner Seed	R	Y	71	86	44	12.7	24500	0.0	21.4	0.0	59.2	152.6	B-R
Pioneer hybrid 3140	Pioneer Hi-Bred	P	Y	76	88	49	15.5	23750	0.0	62.1	0.0	60.4	152.0	C-R
TR 1170	Summit Seed Co.	W	Y	73	83	41	13.8	23500	0.0	39.4	0.0	62.6	151.9	C-R
C.S. 7020	Columbia Seeds	W	W	73	87	50	14.8	22500	0.0	38.9	0.0	62.5	151.5	D-R
Pioneer hybrid XC872	Pioneer Hi-Bred	P	Y	74	87	44	12.3	26000	0.0	60.6	0.0	55.6	151.0	E-R
Exp 4177	GroAgri Seed Co.	R	Y	73	84	45	13.7	25000	0.0	16.0	0.0	61.8	150.9	E-R
F-3040	FRONTIER SEED CO.	P	Y	71	82	46	13.0	23750	0.0	51.6	0.0	60.4	150.8	E-R
G-4665	Funk Seeds Int.	P	Y	71	89	41	13.2	25500	0.0	65.7	0.0	63.6	150.8	E-R
8631	Conlee Seed Co.	W	Y	72	84	41	13.4	22000	0.0	46.6	0.0	61.9	150.7	F-R
WAC 920D	SEEDTEC INT.	R	Y	71	85	42	13.0	25000	0.0	43.0	0.0	61.3	150.7	F-R
SCR 1	Southern Corn Res.	R	Y	74	93	50	14.8	25250	0.0	93.1	0.0	62.8	150.6	G-R
8990	CARMEX	R	Y	74	93	49	13.8	24750	0.0	62.6	0.0	62.0	150.2	H-R
F-3030	FRONTIER SEED CO.	R	Y	69	86	49	12.5	23250	0.0	61.3	0.0	60.0	150.2	H-R
Pioneer hybrid 3343	Pioneer Hi-Bred	P	Y	74	91	46	12.9	22750	0.0	12.1	0.0	58.8	149.5	H-R
King 5114	Douglass W. King	R	Y	76	83	49	13.5	25500	1.0	74.5	0.0	59.4	149.0	I-R
XC385	CARMEX	W	W	78	89	52	17.5	23500	0.0	43.6	0.0	61.0	149.0	I-R
Exp 4176	GroAgri Seed Co.	R	Y	71	83	40	13.9	22750	0.0	5.5	0.0	60.4	148.9	I-R
ST 7680	SEEDTEC INT.	R	Y	69	78	44	13.0	26500	0.0	33.0	0.0	61.2	148.8	I-R

TABLE 2A. CORN PERFORMANCE TEST; WESLACO, TEXAS 1988

HYBRID *	COMPANY OR BRAND NAME	COB COLOR **	GRAIN COLOR ***	DAYS TO 50% SILK	PLANT HT. IN.	EAR HT. IN.	MOIS- TURE %	PLANT POP. PER ACRE	% SMUT	% LODGED	% BROKEN	TEST WT. lb/bu	YIELD bu/A	STAT SIG. ****
Pioneer hybrid 3165	Pioneer Hi-Bred	R	Y	77	83	42	16.2	23250	0.0	71.0	0.0	59.3	148.0	J-S
Pioneer hybrid 3110	Pioneer Hi-Bred	W	Y	76	89	47	15.1	24750	0.0	37.4	0.0	61.0	147.3	J-S
AgriPro AP670	AgriPro Seeds	R	Y	71	83	43	12.8	23250	0.0	25.8	0.0	61.6	146.6	J-S
Rx 956W	ASGROW SEED CO.	W	W	76	81	46	15.1	23750	0.0	18.9	0.0	61.7	146.3	K-S
FW-4040	FRONTIER SEED CO.	W	W	77	92	49	14.7	22250	0.0	53.9	0.0	59.0	146.1	K-S
Pioneer hybrid 3192	Pioneer Hi-Bred	W	Y	73	84	39	14.5	27000	0.0	42.6	0.0	63.5	144.6	L-S
SCR 3	Southern Corn Res.	R	Y	77	82	48	13.6	23250	0.0	73.1	0.0	58.6	144.2	M-S
Exp 4172	GroAgri Seed Co.	R	Y	74	82	46	13.6	24000	0.0	0.0	0.0	61.9	143.5	N-S
AgriPro 820	AgriPro Seeds	R	Y	71	85	44	13.1	23000	0.0	25.0	0.0	60.0	142.9	N-S
88301W	Tx. Agri. Exp. Sta.	W	W	80	103	57	17.8	23000	0.0	89.1	0.0	59.3	141.7	O-S
Exp 765w (x)	DEKALB-PFIZER GEN.	W	W	73	85	45	12.2	26250	0.0	26.7	0.0	62.5	137.8	P-S
S.G. 8215	Garrison Seed	R	Y	73	86	46	14.1	19750	0.0	40.5	0.0	59.9	134.6	Q-S
King 4164F	Douglass W. King	W	Y	74	90	47	15.5	18500	0.0	75.7	0.0	62.6	127.8	R-S
G-4743	Funk Seeds Int.	W	Y	75	82	41	15.1	21750	0.0	42.5	0.0	60.6	123.8	S

TEST MEAN= 157.9 TEST C.V.= 9.1 LSD .05= 20.0

Note: Hybrid names starting or ending with an "X" denotes a commercial experimental. Those hybrids entered by the Texas Agricultural Experiment Station are either in the experimental stage or being tested as experimental check hybrids. Please contact respective seed companies for the availability of planting seed for the upcoming crop year.

* DeKalb DK 77W and Asgrow RX 405W were entered as commercial check hybrids at our discretion. They are intended to be used for comparison purposes only.

** Cob Color: R=Red W=White P=Pink.

*** Grain Color: Y=Yellow W=White.

**** Duncan's multiple range test was used at the .05 level.

Table 2B. Three-year summary, Corn Performance Test, Weslaco, Texas.

HYBRID	COMPANY	1988		1987		1986	
		Rank	Yield	Rank	Yield	Rank	Yield
84202Y	Tx. Agri. Exp. Sta.	1	179.0	21	147.1	15	153.8
9427R	CARMEX	2	178.3	41	138.8	19	152.2
XA 775	DEKALB-PFIZER GENETICS	3	177.5	-	-	-	-
NC+ 7507	NC+ Hybrids	4	177.2	4	159.8	-	-
1650 FG	Triumph Seed Company	5	176.6	51	135.4	26	149.3
X-7313	TAYLOR-EVANS SEED COMPANY	6	176.5	-	-	-	-
DK689	DEKALB-PFIZER GENETICS	7	176.3	-	-	-	-
6058X	Funk Seeds International	8	175.2	-	-	-	-
T-E 6998	TAYLOR-EVANS SEED COMPANY	9	175.1	1	163.5	59	138.9
SX379	CARMEX	10	174.0	6	158.1	29	147.9
T-E 6994	TAYLOR-EVANS SEED COMPANY	11	173.8	70	128.5	5	160.5
T-E 6996	TAYLOR-EVANS SEED COMPANY	12	172.2	32	143.1	56	141.1
88201Y	Tx. Agri. Exp. Sta.	13	171.8	-	-	-	-
G-4673B	Funk Seeds International	14	171.4	-	-	-	-
NC+ 8085	NC+ Hybrids	15	171.1	-	-	-	-
113-W	Conlee Seed Company, Inc.	16	170.1	45	137.5	34	146.9
S 7759	Northrup King Company	17	169.9	-	-	-	-
SCR 8	Southern Corn Research	18	169.5	56	134.7	-	-
M-282-Y	MASTER SEED COMPANY	19	167.6	12	150.4	41	145.2
TR4405	Summit Seed Company	20	166.2	-	-	-	-
1990W	Triumph Seed Company	21	165.9	46	137.4	-	-
G-4620	Funk Seeds International	22	165.8	-	-	-	-
W-2160	George Warner Seed Company	23	165.4	71	127.7	-	-
King 4154A	Douglass W. King Company	24	165.1	-	-	-	-
CHECK 2	Tx. Agri. Exp. Sta.	25	164.1	-	-	-	-

Table 2B. Weslaco (Continued)

HYBRID	COMPANY	1988		1987		1986	
		Rank	Yield	Rank	Yield	Rank	Yield
EXP 4715	GroAgri Seed Company	26	163.8	—	—	—	—
C.S. 7030	Columbia Seeds	27	163.0	—	—	—	—
SCR 6	Southern Corn Research	28	162.4	15	149.4	—	—
WAC 915	SEEDTEC INTERNATIONAL	29	162.3	5	158.5	24	150.0
M-284-Y	MASTER SEED COMPANY	30	162.3	36	141.9	4	160.7
V68W	VINEYARD SEED COMPANY	31	162.0	—	—	—	—
ST 7750	SEEDTEC INTERNATIONAL	32	160.9	—	—	—	—
EXP 4622	GroAgri Seed Company	33	160.9	—	—	—	—
PX 9581	Northrup King Company	34	160.7	26	144.2	17	152.9
8850	Conlee Seed Company, Inc.	35	160.6	—	—	—	—
M-280-Y	MASTER SEED COMPANY	36	160.5	69	129.1	54	142.1
TR 1185	Summit Seed Company	37	160.3	—	—	—	—
ORO EXP. 805X	ORO Hybrids	38	159.8	—	—	—	—
ST 7625	SEEDTEC INTERNATIONAL	39	159.4	90	119.3	—	—
TR 3303	Summit Seed Company	40	158.9	38	141.1	6	160.5
EXP 775W(X)	DEKALB-PFIZER GENETICS	41	158.9	—	—	—	—
V68AW	VINEYARD SEED COMPANY	42	158.4	—	—	—	—
Pioneer® hybrid 3144W	Pioneer Hi-Bred International, Inc.	43	158.0	—	—	61	137.6
CHECK 1	Tx. Agri. Exp. Sta.	44	157.8	—	—	51	143.5
XP 9866 X	ASGROW SEED COMPANY	45	157.5	—	—	—	—
2460 W	Triumph Seed Company	46	157.4	89	119.8	57	137.5
NC+ 6414	NC+ Hybrids	47	157.4	16	149.3	—	—
Rx 895	ASGROW SEED COMPANY	48	157.4	—	—	—	—
2035	Triumph Seed Company	49	156.8	—	—	—	—
ORO 200 W	ORO Hybrids	50	156.7	—	—	—	—

Table 2B. Weslaco (Continued)

HYBRID	COMPANY	1988		1987		1986	
		Rank	Yield	Rank	Yield	Rank	Yield
SG 8333	Garrison Seed & Company	51	156.6	34	142.5	—	—
Pioneer® hybrid XC 871	Pioneer Hi-Bred International, Inc.	52	156.5	—	—	—	—
NC+ 8141	NC+ Hybrids	53	155.4	84	124.3	—	—
SG 85014X	Garrison Seed & Company	54	155.3	—	—	—	—
2020	Triumph Seed Company	55	154.8	18	148.0	37	145.9
King 7104	Douglass W. King Company	56	154.2	—	—	—	—
G-4676W	Funk Seeds International	57	153.2	—	—	—	—
FC 575	VINEYARD SEED COMPANY	58	152.9	—	—	—	—
88302Y	Tx. Agri. Exp. Sta.	59	152.7	—	—	—	—
W-2192	George Warner Seed Company	60	152.6	61	132.1	—	—
Pioneer® hybrid 3140	Pioneer Hi-Bred International, Inc.	61	152.0	—	—	—	—
TR1170	Summit Seed Company	62	151.9	—	—	—	—
C.S. 7020	Columbia Seeds	63	151.5	—	—	—	—
Pioneer® hybrid XC 872	Pioneer Hi-Bred International, Inc.	64	151.0	—	—	—	—
EXP 4177	GroAgri Seed Company	65	150.9	—	—	—	—
F-3040	FRONTIER SEED COMPANY	66	150.8	—	—	—	—
G-4665	Funk Seeds International	67	150.8	—	—	—	—
8631	Conlee Seed Company, Inc.	68	150.7	7	157.9	—	—
WAC 920D	SEEDTEC INTERNATIONAL	69	150.7	—	—	—	—
SCR 1	Southern Corn Research	70	150.6	—	—	—	—
8990	CARMEX	71	150.2	37	141.9	16	153.4
F-3030	FRONTIER SEED COMPANY	72	150.2	—	—	—	—
Pioneer® hybrid 3343	Pioneer Hi-Bred International, Inc.	73	149.5	—	—	—	—
King 5114	Douglass W. King Company	74	149.0	—	—	—	—
XC 385	CARMEX	75	149.0	—	—	—	—

Table 2B. Weslaco (Continued)

HYBRID	COMPANY	1988		1987		1986	
		Rank	Yield	Rank	Yield	Rank	Yield
EXP 4176	GroAgri Seed Company	76	148.9	—	—	—	—
ST 7680	SEEDTEC INTERNATIONAL	77	148.8	—	—	—	—
Pioneer® hybrid 3165	Pioneer Hi-Bred International, Inc.	78	148.0	67	130.1	9	156.2
Pioneer® hybrid 3110	Pioneer Hi-Bred International, Inc.	79	147.3	96	111.5	58	139.2
AgriPro AP670	AgriPro Seeds	80	146.6	—	—	—	—
Rx 956W	ASGROW SEED COMPANY	81	146.3	13	150.3	—	—
FW-4040	FRONTIER SEED COMPANY	82	146.1	—	—	—	—
Pioneer® hybrid 3192	Pioneer Hi-Bred International, Inc.	83	144.6	—	—	—	—
SCR 3	Southern Corn Research	84	144.2	2	162.2	—	—
EXP 4172	GroAgri Seed Company	85	143.5	—	—	—	—
AgriPro 820	AgriPro Seeds	86	142.9	—	—	—	—
88301W	Tx. Agri. Exp. Sta.	87	141.7	—	—	—	—
EXP 765W (X)	DEKALG-PFIZER GENETICS	88	137.8	—	—	—	—
SG 8215	Garrison Seed & Company	89	134.6	42	138.8	18	152.2
King 4164F	Douglass W. King Company	90	127.8	—	—	—	—
G-4743	Funk Seeds International	91	123.8	98	107.0	—	—
PS 799	Texas Seed Company	—	—	3	161.7	38	145.7
PX 9540	Northrup King Company	—	—	14	149.9	44	144.6
COKER 21	COKER'S PEDIGREED	—	—	20	147.5	22	150.5
EXP 4131	GroAgri Seed Company	—	—	25	144.4	32	147.3
86101Y	Tx. Agri. Exp. Sta.	—	—	28	143.3	40	145.2
RX 892	ASGROW SEED COMPANY	—	—	29	143.3	20	150.8
Mo 17 x B73	Tx. Agri. Exp. Sta.	—	—	35	142.0	8	157.8
6044Wx	Funk Seeds International	—	—	49	136.2	30	147.5
G-4635	Funk Seeds International	—	—	50	135.4	2	163.6

Table 2B. Weslaco (Continued)

HYBRID	COMPANY	1988		1987		1986	
		Rank	Yield	Rank	Yield	Rank	Yield
COKER 8575	COKER'S PEDIGREED	--	--	53	135.1	36	146.2
1595	Triumph Seed Company	--	--	54	134.9	31	147.5
G-4673A	Funk Seeds International	--	--	59	132.5	12	155.5
W-2192A	George Warner Seed Company	--	--	63	130.9	48	143.9
T-E 6988	TAYLOR-EVANS SEED COMPANY	--	--	73	127.4	67	135.2
COKER 8601	COKER'S PEDIGREED	--	--	74	126.7	55	141.7
EXP 4132	GroAgri Seed Company	--	--	81	124.7	10	155.8
202	Conlee Seed Company, Inc.	--	--	85	123.9	60	137.7
Pioneer® hybrid 507	Pioneer Hi-Bred International, Inc.	--	--	87	122.8	71	130.2
M-600	MASTER SEED COMPANY	--	--	93	117.6	91	107.7
M-PRECOZ	MASTER SEED COMPANY	--	--	97	108.2	94	101.8
Paymaster 398W	CARMEX	--	--	100	105.5	76	128.0
Z54W	ZIMMERMAN HYBRIDS	--	--	101	103.5	23	150.0
Number Entries		91		102		98	
Test Mean Yield			157.9		134.8		138.1

Note: Hybrid with the same yields were ranked by computer.

TABLE 3. AGRONOMIC AND TEST INFORMATION: CASTROVILLE

TEST:	1988 Irrigated Corn Performance Test
LOCATION:	Carroll Keller Farm, Castroville, Texas
COOPERATORS:	Carroll Keller, Dennis Pietsch, Wayne Scholtz, Bobby Ainsley, A. J. Bockholt, and Randy Gaas
SOIL TYPE:	Knippa clay
ROW WIDTH:	30"
PREVIOUS CROP:	Corn
LAND PREPARATION:	Disked (2), chiseled (2), and bedded
DATE PLANTED:	3-11-88, hand dropped behind a JD 80 planter
PLOT LENGTH:	30'
FERTILIZER:	350 lb/A of 8-24-0 preplant in January and 200 lb/A of 82% anhydrous ammonia in February
HERBICIDE:	7 lb/A of Lasso (alachlor) on 10" band at planting and aerial application of 4 pt/A AAtrex (atrazine) at layby
INSECTICIDE:	Approximately 9 lb/A Counter (terbufos) at planting
RAINFALL:	Considered very low during the growing season. Test block received only 2.5"
IRRIGATIONS:	Test block received 8 irrigations of approximately 2.5" each
DATE HARVESTED:	8-18&19-88, by hand
SIZE HARVESTED PLOT:	1/1,000 acre
TEST DESIGN:	Randomized block
NUMBER ENTRIES:	55
NUMBER REPLICATIONS:	4
NUMBER ROWS/PLOT:	1
MEAN PLANT POP.:	25,495 plants/A
TEST MEAN:	125.1 bu/A; yields corrected to 15.5% moisture
TEST C. V.:	21.9 percent

GENERAL INFORMATION: This test site experienced very dry moisture conditions in 1988 thus resulting in very erratic yields. Good soil moisture conditions were available for the March 11 planting. Seedling emergence was excellent and good plant stands were secured after thinning. Dry weather persisted throughout the growing season justifying additional irrigations. The test block did receive 2.5" of rainfall in late-May, but hail accompanied the rain resulting in leaf shredding. Also, a late season infection of corn stunt was observed in some hybrids and may have contributed to yield reduction.

Some plots were discarded in the test due to excessive moisture caused by leaking irrigation pipes. Plants in these plots turned yellow and were very short. Due to the removal of plots, the GLM procedure was used for statistical analysis.

TABLE 3A. CORN PERFORMANCE TEST; CASTROVILLE, TEXAS 1988

HYBRID *	COMPANY OR BRAND NAME	COB COLOR **	GRAIN COLOR ***	DAYS TO 50% SILK	PLANT HT. IN.	EAR HT. IN.	MOIS- TURE %	PLANT PDP. PER ACRE	% SMUT	% LODGED	% BROKEN	TEST WT. lb/bu	YIELD bu/A	STAT SIG. ****
XP 9866X	ASGROW SEED CO.	W	Y	84	96	37	13.0	24750	0.0	1.0	0.0	58.4	163.2	A
W-2160	George Warner Seed	R	Y	81	95	35	12.0	27500	0.0	0.0	0.0	58.9	153.6	A-B
G-4665	Funk Seeds Int.	P	Y	78	96	30	12.2	26000	0.0	1.0	0.0	60.8	151.2	A-C
McAllister 8410	BROWNING SEED, INC.	R	Y	78	95	36	11.3	25250	0.0	0.0	0.0	58.0	150.8	A-C
T-E 6997	TAYLOR-EVANS SEED	R	Y	82	95	38	11.8	29333	0.0	1.1	0.0	60.5	150.6	A-C
T-E 6988	TAYLOR-EVANS SEED	R	Y	77	90	34	11.0	24500	0.0	0.0	0.0	58.1	150.5	A-C
WAC 915	SEEDTEC INT.	R	Y	79	94	38	11.0	26500	0.0	0.0	0.9	57.8	150.4	A-C
CHECK 4	Tx. Agri. Exp. Sta.			80	97	41	13.4	25333	0.0	0.0	0.0	61.3	149.2	A-D
ORO 271	ORO Hybrids	R	Y	83	94	44	12.8	27000	0.0	0.0	0.0	58.6	146.3	A-E
84202	Tx. Agri. Exp. Sta.	P	Y	85	98	46	12.9	24000	0.0	3.1	0.0	56.7	145.8	A-E
DK689	DEKALB-PFIZER GEN.	P	Y	83	92	38	11.4	26750	0.9	0.0	0.0	56.8	145.5	A-E
PS 799	Texas Seed Co. Inc.	R	Y	80	95	33	12.0	24667	0.0	0.0	0.0	59.3	144.5	A-F
113-W	Conlee Seed Co.	W	W	83	92	41	13.7	28000	0.0	0.9	0.9	60.0	144.0	A-F
CHECK 3	Tx. Agri. Exp. Sta.			80	90	33	12.0	25250	0.0	0.0	0.0	60.3	140.8	A-F
SG-8333	Garrison Seed & Co.	R	Y	78	98	31	11.5	26000	0.0	0.0	0.0	58.8	140.2	A-F
Pioneer hybrid 3110	Pioneer Hi-Bred	W	Y	84	94	33	12.8	24750	0.0	0.0	0.0	60.3	137.2	A-G
Pioneer hybrid 3165	Pioneer Hi-Bred	R	Y	83	91	34	13.1	23000	0.0	0.0	0.0	58.0	136.0	A-G
Pioneer hybrid 3192	Pioneer Hi-Bred	W	Y	79	90	33	12.0	27000	0.0	1.9	0.0	62.2	134.3	A-G
ORO EXP. 805X	ORO Hybrids	W	Y	81	93	35	11.5	27750	0.0	2.7	0.0	59.3	134.0	A-G
G-4666	Funk Seeds Int.	R	Y	81	94	34	12.2	27500	0.0	0.0	0.0	59.2	132.3	A-G
RX 956W	ASGROW SEED CO.	W	W	83	93	36	11.7	24750	0.0	0.0	0.0	60.5	132.2	A-G
88204	Tx. Agri. Exp. Sta.	W	W	83	95	34	13.1	27500	0.9	21.8	0.0	60.8	129.6	A-G
ORO 150	ORO Hybrids	R	Y	79	90	33	11.1	25000	1.0	0.0	0.0	57.8	129.6	A-G
CHECK 1	Tx. Agri. Exp. Sta.			85	92	43	14.3	23750	1.1	0.0	0.0	60.4	128.3	A-G
PS 777	Texas Seed Co. Inc.	R	Y	78	90	28	12.0	25750	0.0	1.0	0.0	60.0	128.2	A-G
XA 755	DEKALB-PFIZER GEN.	P	Y	83	99	30	11.9	25333	0.0	0.0	0.0	59.1	127.3	A-G
ST 7680	SEEDTEC INT.	R	Y	78	92	31	11.3	26250	0.0	0.0	0.0	58.8	127.1	A-G
Pioneer hybrid XC872	Pioneer Hi-Bred	P	Y	81	95	35	10.8	25000	0.0	0.0	0.0	57.5	126.5	A-G
V68W	VINEYARD SEED CO.	W	W	83	89	38	12.3	26500	0.0	0.0	0.0	59.0	124.6	A-G
CHECK 2	Tx. Agri. Exp. Sta.			86	102	43	15.6	24750	0.0	0.0	0.0	58.6	123.7	A-G
AgriPro 670	AgriPro Seeds	R	Y	79	95	31	11.0	26250	0.0	0.0	0.0	59.2	123.7	A-G
G-4644W	Funk Seeds Int.	W	W	84	90	38	11.9	25750	0.0	0.0	0.0	60.4	122.0	A-G
Pioneer hybrid 3343	Pioneer Hi-Bred	P	Y	80	94	33	10.3	24667	0.0	0.0	0.0	57.0	122.0	A-G
V58W	VINEYARD SEED CO.	W	W	82	92	37	11.7	26500	0.0	0.0	0.0	59.5	121.6	A-G
Pioneer hybrid 3144W	Pioneer Hi-Bred	W	W	83	94	36	12.3	25250	0.0	1.0	0.0	57.2	120.6	A-G
ORO 180	ORO Hybrids	R	Y	81	95	39	11.2	22000	0.0	0.0	0.0	57.2	119.7	A-G
88207	Tx. Agri. Exp. Sta.	W	Y	82	93	35	13.8	24000	0.0	0.0	0.0	60.8	118.1	A-G
88201	Tx. Agri. Exp. Sta.	W	Y	86	98	44	13.1	24000	0.0	1.0	0.0	58.0	116.6	A-G
ORO 190	ORO Hybrids	R	Y	79	91	29	11.4	27000	0.0	0.0	0.0	58.4	115.5	A-G

TABLE 3A. CORN PERFORMANCE TEST; CASTROVILLE, TEXAS 1988

HYBRID *	COMPANY OR BRAND NAME	COB COLOR **	GRAIN COLOR ***	DAYS TO 50% SILK	PLANT HT. IN.	EAR HT. IN.	MOIS- TURE %	PLANT POP. PER ACRE	% SMUT	% LODGED	% BROKEN	TEST WT. lb/bu	YIELD bu/A	STAT SIG. ****
G-4673B	Funk Seeds Int.	R	Y	81	94	33	11.5	25000	0.0	0.0	0.0	58.1	115.4	A-G
V68AW	VINEYARD SEED CO.	W	W	85	91	37	14.2	28333	0.0	0.0	0.0	59.5	110.6	B-G
Pioneer hybrid XC871	Pioneer Hi-Bred	P	Y	82	93	35	11.5	23500	1.1	0.0	0.0	59.5	109.1	B-G
ORD 200W	ORD Hybrids	W	W	85	92	39	12.0	25000	0.0	0.0	0.0	60.1	108.6	B-G
T-E 6994	TAYLOR-EVANS SEED	R	Y	82	93	39	10.9	24000	1.0	0.0	0.0	56.0	108.1	B-G
8631	Conlee Seed Co.	W	Y	80	92	31	11.3	22333	0.0	0.0	0.0	58.1	107.0	B-G
ST 7625	SEEDTEC INT.	R	Y	82	96	30	11.1	27333	0.0	0.0	0.0	58.0	106.9	B-G
H-2625W	SEEDTEC INT.	W	W	83	92	35	11.8	28250	0.0	0.0	0.0	59.7	105.4	B-G
AgriPro 820	AgriPro Seeds	R	Y	81	93	35	10.7	26333	0.0	1.3	0.0	57.0	105.4	B-G
G-4620	Funk Seeds Int.	W	Y	81	95	33	11.2	23667	0.0	0.0	0.0	58.4	103.9	B-G
Pioneer hybrid 3140	Pioneer Hi-Bred	P	Y	85	92	38	12.0	22250	0.0	0.0	0.0	56.1	100.8	C-G
EXP. 775W(X)	DEKALB-PFIZER GEN.	W	W	83	93	37	11.7	26500	1.9	0.9	0.0	59.8	98.4	D-G
SG-8215	Garrison Seed & Co.	R	Y	82	88	34	10.6	20500	0.0	0.0	1.2	56.8	97.2	E-G
88205	Tx. Agri. Exp. Sta.	W	W	84	92	32	11.6	24000	0.0	0.0	0.0	57.0	93.6	F-G
EXP. 765W(X)	DEKALB-PFIZER GEN.	W	W	83	92	36	10.4	29250	0.9	0.0	0.0	57.8	86.6	G-H
RX 895	ASGROW SEED CO.	W	Y	86	86	28	10.4	24000	1.4	4.2	0.0	55.6	49.9	H

TEST MEAN= 125.1 TEST C.V.= 21.9 LSD .05= 38.2

Note: Hybrid names starting or ending with an "X" denotes a commercial experimental. Those hybrids entered by the Texas Agricultural Experiment Station are either in the experimental stage or being tested as experimental check hybrids. Please contact respective seed companies for the availability of planting seed for the upcoming crop year.

* Douglass W. King King 4164F, DeKalb DK 711, Asgrow RX 405W and DeKalb DK 77W were used as commercial check hybrids at our discretion and should be used for comparison purposes only.

** Cob Color: R=Red W=White P=Pink.

*** Grain Color: Y=Yellow W=White.

**** Duncan's multiple range test was used at the .05 level.

Table 3B. Three-year summary, Corn Performance Test, Castroville, Texas.

HYBRID	COMPANY	1988		1987		1986	
		Rank	Yield	Rank	Yield	Rank	Yield
XP 9866 X	ASGROW SEED COMPANY	1	163.2	—	—	—	—
W-2160	George Warner Seed Company	2	153.6	—	—	—	—
G-4665	Funk Seeds International	3	151.2	—	—	—	—
McAllister 8410	BROWNING SEED, INC.	4	150.8	—	—	—	—
T-E 6997	TAYLOR-EVANS SEED COMPANY	5	150.6	—	—	—	—
T-E 6988	TAYLOR-EVANS SEED COMPANY	6	150.5	—	—	—	—
WAC 915	SEEDTEC INTERNATIONAL	7	150.4	2	165.9	7	134.2
CHECK 4	Tx. Agri. Exp. Sta.	8	149.2	—	—	—	—
ORO 271	ORO Hybrids	9	146.3	—	—	—	—
84202	Tx. Agri. Exp. Sta.	10	145.8	8	157.0	1	152.7
DK 689	DEKALB-PFIZER GENETICS	11	145.5	—	—	—	—
PS 799	Texas Seed Company	12	144.5	17	148.5	19	127.6
113-W	Conlee Seed Company, Inc.	13	144.0	15	149.0	9	132.4
CHECK 3	Tx. Agri. Exp. Sta.	14	140.8	—	—	—	—
SG 8333	Garrison Seed & Company	15	140.2	38	131.4	—	—
Pioneer® hybrid 3110	Pioneer Hi-Bred International, Inc.	16	137.2	11	151.1	3	136.4
Pioneer® hybrid 3165	Pioneer Hi-Bred International, Inc.	17	136.0	26	143.3	41	117.1
Pioneer® hybrid 3192	Pioneer Hi-Bred International, Inc.	18	134.3	—	—	—	—
ORO EXP. 805X	ORO Hybrids	19	134.0	—	—	—	—
G-4666	Funk Seeds International	20	132.3	—	—	—	—
Rx 956W	ASGROW SEED COMPANY	21	132.2	22	144.9	—	—
88204	Tx. Agri. Exp. Sta.	22	129.6	—	—	—	—
ORO 150	ORO Hybrids	23	129.6	34	135.9	—	—
CHECK 1	Tx. Agri. Exp. Sta.	24	128.3	13	149.8	33	121.6
PS 777	Texas Seed Company	25	128.2	—	—	—	—

Table 3B. Castroville (Continued)

HYBRID	COMPANY	1988		1987		1986	
		Rank	Yield	Rank	Yield	Rank	Yield
XA 755	DEKALB-PFIZER GENETICS	26	127.3	--	--	--	--
ST 7680	SEEDTEC INTERNATIONAL	27	127.1	--	--	--	--
Pioneer® hybrid XC872	Pioneer Hi-Bred International, Inc.	28	126.5	--	--	--	--
V68W	VINEYARD SEED COMPANY	29	124.6	--	--	--	--
CHECK 2	Tx. Agri. Exp Sta.	30	123.7	21	146.3	--	--
AgriPro 670	AgriPro Seeds	31	123.7	--	--	--	--
G-4644W	Funk Seeds Company	32	122.0	--	--	--	--
Pioneer® hybrid 3343	Pioneer Hi-Bred International, Inc.	33	122.0	--	--	--	--
V58W	VINEYARD SEED COMPANY	34	121.6	--	--	--	--
Pioneer® hybrid 3144W	Pioneer Hi-Bred International, Inc.	35	120.6	7	157.3	--	--
ORO 180	ORO Hybrids	36	119.7	4	160.4	--	--
88207	Tx. Agri. Exp. Sta.	37	118.1	--	--	--	--
88201	Tx. Agri. Exp. Sta.	38	116.6	--	--	--	--
ORO 190	ORO Hybrids	39	115.5	--	--	--	--
G-4673B	Funk Seeds International	40	115.4	--	--	--	--
V68AW	VINEYARD SEED COMPANY	41	110.6	--	--	--	--
Pioneer® hybrid XC871	Pioneer Hi-Bred International, Inc.	42	109.1	--	--	--	--
ORO 200W	ORO Hybrids	43	108.6	--	--	--	--
T-E 6994	TAYLOR-EVANS SEED COMPANY	44	108.1	20	146.5	24	125.5
8631	Conlee Seed Company, Inc.	45	107.0	19	146.9	--	--
ST 7625	SEEDTEC INTERNATIONAL	46	106.9	--	--	--	--
H-2625W	SEEDTEC INTERNATIONAL	47	105.4	10	151.2	--	--
AgriPro 820	AgriPro Seeds	48	105.4	--	--	--	--
G 4620	Funk Seeds International	49	103.9	--	--	--	--
Pioneer® hybrid 3140	Pioneer Hi-Bred International, Incl	50	100.8	--	--	--	--

Table 3B. Castroville (Continued)

HYBRID	COMPANY	1988		1987		1986	
		Rank	Yield	Rank	Yield	Rank	Yield
EXP 775(X)	DEKALB-PFIZER GENETICS	51	98.4	-	-	-	-
SG 8215	Garrison Seed & Company	52	97.2	42	129.4	34	121.2
88205	Tx. Agri. Exp. Sta.	53	93.6	-	-	-	-
EXP 765 W(X)	DEKALB-PFIZER GENETICS	54	86.6	-	-	-	-
Rx 895	ASGROW SEED COMPANY	55	49.9	-	-	-	-
G-4673A	Funk Seeds International	-	-	1	168.4	22	126.1
T-E 6996	TAYLOR-EVANS SEED COMPANY	-	-	6	157.8	10	131.9
6044Wx	Funk Seeds International	-	-	12	150.1	40	118.0
1650	Triumph Seed Company	-	-	14	149.4	6	134.2
T-E 6977	TAYLOR-EVANS SEED COMPANY	-	-	23	144.2	36	120.7
86101	Tx. Agri. Exp. Sta.	-	-	24	144.0	11	131.6
TR 3303	Summit Seed Company	-	-	29	140.5	18	127.7
TR 4405	Summit Seed Company	-	-	33	137.0	12	131.1
WAC 920D	SEEDTEC INTERNATIONAL	-	-	36	135.4	21	126.3
202	Conlee Seed Company, Inc.	-	-	39	131.3	39	118.1
Mo17 x B73	Tx. Agri. Exp. Sta.	-	-	40	130.8	30	122.7
Rx 860	ASGROW SEED COMPANY	-	-	44	124.6	20	126.9
86105	Tx. Agri. Exp. Sta.	-	-	50	106.5	56	103.3
Number Entries:		55		50		58	
Test Mean Yield:			125.1		141.4		122.2

Note: Hybrids with the same yield were ranked by computer.

TABLE 4. AGRONOMIC AND TEST INFORMATION: CORPUS CHRISTI

TEST:	1988 Dryland Corn Performance Test
LOCATION:	Texas A&M University Research and Extension Center, Corpus Christi, Texas
COOPERATORS:	Kenneth Schaefer, Lucas Reyes, Joseph Vasek, and Dennis Pietsch
SOIL TYPE:	Victoria clay
ROW WIDTH:	38"
PREVIOUS CROP:	Grain Sorghum
LAND PREPARATION:	Stalks shredded, disked, chiseled, and bedded
DATE PLANTED:	3-4-88 by cone planter
PLOT LENGTH:	40'
FERTILIZER:	250 lbs 20-10-0 + 1 lb/A zinc (liquid)
HERBICIDE:	1 qt/A AAtrex (atrazine) on 12-7-87; 1 qt/A Treflan (trifluralin) on 5-2-88 (layby)
INSECTICIDE:	None
RAINFALL:	January = .81"; February = 1.2"; March = .92"; April = .69"; May = 1.10"; June = .66"; July = 1.84"; Total = 7.22"
IRRIGATIONS:	None
DATE HARVESTED:	7-21-88, by hand
SIZE HARVESTED PLOT:	1/1,000 acre
TEST DESIGN:	Randomized block
NUMBER ENTRIES:	72
NUMBER REPLICATIONS:	4
NUMBER ROWS/PLOT:	1
MEAN PLANT POP.:	20,305 plants/A
TEST MEAN:	53.1 bu/A; yields corrected to 15.5% moisture
TEST C.V.:	27.4 percent

GENERAL INFORMATION: Seventy-two hybrids were entered at this test site by 19 commercial companies and the Texas Agricultural Experiment Station. Below average yields were attained due to prolonged periods of hot and dry weather conditions. Excellent agronomic and cultural practices were applied to the test block prior to planting. Subsoil moisture at planting was ample from fall and winter rainfall and probably contributed to final yields. Uneven seedbed moisture at planting resulted in erratic emergence. The test block received only 3.37" of rainfall from March thru June resulting in plant stress and hampering plant growth and development.

Plant height and ear height notes were not taken at harvest due to differences throughout the test block. Some plots were not harvested within the test, therefore; the GLM procedure was used to analyze test results. Caution should be used in interpreting these results as evidenced by the high C.V.

The high percent of lodged plants can probably be attributed to premature death caused by lack of rainfall.

TABLE 4A. CORN PERFORMANCE TEST; CORPUS CHRISTI, TEXAS 1988

HYBRID *	COMPANY OR BRAND NAME	COB COLOR **	GRAIN COLOR ***	DAYS TO 50% SILK	MOIS- TURE %	PLANT POP. PER ACRE	% SMUT	% LODGED	% BROKEN	TEST WT. lb/bu	YIELD bu/A	STAT SIG. ****
Pioneer hybrid 3165	Pioneer Hi-Bred	R	Y	77	15.5	19667	0.0	28.8	0.0	56.4	79.5	A
Check 2	Tx. Agri. Exp. Sta.			72	14.5	20000	0.0	0.0	0.0	57.3	76.5	A-B
W-2192	George Warner Seed	R	Y	72	15.2	18500	0.0	8.1	0.0	55.2	76.3	A-B
ORO 150	ORO Hybrids	R	Y	75	14.2	20750	0.0	7.2	0.0	56.9	74.4	A-C
ORO 190	ORO Hybrids	R	Y	71	14.1	21500	0.0	7.0	0.0	57.8	72.3	A-D
Pioneer hybrid XC872	Pioneer Hi-Bred	P	Y	74	14.4	19250	0.0	19.5	0.0	58.5	70.0	A-E
T-E 6994	TAYLOR-EVANS SEED	R	Y	77	14.1	20750	0.0	6.0	0.0	56.7	69.8	A-E
HS60	HyPerformer Seed	R	Y	76	15.8	20333	1.6	0.0	0.0	58.3	67.6	A-F
WAC 915	SEEDTEC INT.	R	Y	76	14.0	21500	0.0	23.3	0.0	56.8	67.0	A-G
G-4543	Funk Seeds Int.	R	Y	74	13.8	22000	0.0	7.6	0.0	57.1	66.9	A-G
DK711	DEKALB-PFIZER GEN.	P	Y	76	13.9	27000	0.0	22.2	0.0	57.0	66.6	A-G
EXP 4172	GroAgri Seed Co.	R	Y	78	15.1	21500	0.0	17.4	0.0	55.1	66.3	A-G
ST 7750	SEEDTEC INT.	R	Y	77	13.9	22000	0.0	1.5	0.0	55.9	65.6	A-H
NC+ 6414	NC+ Hybrids	R	Y	73	14.0	20333	0.0	19.7	0.0	56.9	64.8	A-I
PX9581	Northrup King Co.	R	Y	74	14.1	19500	0.0	38.5	0.0	57.1	63.2	A-I
8830	Conlee Seed Co.	R	Y	76	14.0	17250	0.0	0.0	0.0	56.8	63.0	A-I
SG 8215	Garrison Seed & Co.	R	Y	74	13.6	17500	0.0	17.1	0.0	55.9	62.8	A-I
S7759	Northrup King Co.	R	Y	72	13.5	19333	0.0	6.9	0.0	56.5	61.8	A-I
ST 7680	SEEDTEC INT.	R	Y	73	14.0	20667	0.0	3.2	0.0	57.5	61.8	A-I
V68W	VINEYARD SEED CO.	W	W	78	14.9	19000	0.0	40.4	0.0	56.9	60.6	A-I
8850	Conlee Seed Co.	P	Y	72	13.5	21667	0.0	7.7	0.0	56.4	60.3	A-I
DK689	DEKALB-PFIZER GEN.	P	Y	78	13.8	21500	0.0	45.3	0.0	53.9	60.0	A-I
Check 1	Tx. Agri. Exp. Sta.			78	15.0	17333	0.0	15.4	0.0	56.3	59.8	A-I
V58W	VINEYARD SEED CO.	W	W	76	14.5	21667	0.0	1.5	0.0	58.3	59.4	A-I
RX 895	ASGROW SEED CO.	W	Y	75	14.4	22250	0.0	34.8	0.0	56.3	59.3	A-I
T-E 6988	TAYLOR-EVANS SEED	R	Y	73	13.6	22667	0.0	14.7	0.0	55.6	59.1	A-J
G-4666	Funk Seeds Int.	R	Y	75	13.9	18750	0.0	1.3	0.0	57.1	59.0	A-J
AgriPro 820	AgriPro Seeds	R	Y	73	14.0	17667	0.0	9.4	0.0	56.1	58.8	A-J
88204 W	Tx. Agri. Exp. Sta.	W	W	77	15.6	18000	0.0	77.8	0.0	58.2	57.9	A-J
NC+ 8085	NC+ Hybrids	R	Y	77	14.2	18500	0.0	0.0	0.0	56.0	57.7	A-J
ORO EXP. 805X	ORO Hybrids	W	Y	77	13.5	21000	0.0	33.3	0.0	58.8	57.6	A-K
RX 892	ASGROW SEED CO.	R	Y	73	14.1	23000	0.0	17.4	0.0	57.4	56.5	A-K
8631	Conlee Seed Co.	W	Y	75	15.0	19000	0.0	23.7	0.0	56.6	56.1	A-K
AgriPro AP670	AgriPro Seeds	R	Y	72	13.9	19667	1.7	3.4	0.0	58.2	56.0	A-K
King 5114	Douglass W. King	R	Y	77	14.1	17250	0.0	31.9	0.0	56.1	55.8	A-K
SCR 1	Southern Corn Res.	R	Y	75	14.2	18000	0.0	72.2	0.0	59.0	55.8	A-K
9427	CARGILL HYBRID	W	Y	77	13.6	19500	0.0	20.5	0.0	56.4	54.8	A-K
S8505	Northrup King Co.	R	Y	77	14.3	19000	0.0	7.0	0.0	57.4	53.4	A-K

TABLE 4A. CORN PERFORMANCE TEST; CORPUS CHRISTI, TEXAS 1988

HYBRID *	COMPANY OR BRAND NAME	COB COLOR **	GRAIN COLOR ***	DAYS TO 50% SILK	MOIS- TURE %	PLANT POP. PER ACRE	% SMUT	% LODGED	% BROKEN	TEST WT. lb/bu	YIELD bu/A	STAT SIG. ****
W-2160	George Warner Seed	R	Y	77	13.5	19250	0.0	0.0	0.0	55.2	53.1	A-K
8520	Conlee Seed Co.	R	Y	71	13.4	20500	0.0	2.4	0.0	57.5	53.0	A-K
Pioneer hybrid 3343	Pioneer Hi-Bred	P	Y	75	13.9	21000	0.0	1.6	0.0	57.6	52.8	A-K
G-4500	Funk Seeds Int.	R	Y	73	13.4	20250	0.0	9.9	0.0	55.9	52.1	A-L
S8645	Northrup King Co.	R	Y	75	13.7	21000	0.0	0.0	0.0	56.4	51.8	A-L
RX 956W	ASGROW SEED CO.	W	W	78	15.3	21667	0.0	9.2	0.0	58.2	51.4	A-L
V68AW	VINEYARD SEED CO.	W	W	80	14.9	21500	0.0	17.4	0.0	57.0	50.9	A-L
7046X	Funk Seeds Int.	R	Y	79	14.6	18000	0.0	0.0	0.0	56.7	49.4	B-L
HS56	HyPerformer Seed	R	Y	74	13.8	19000	0.0	14.5	0.0	55.3	48.0	B-L
King 4154A	Douglass W. King	R	Y	74	13.8	17750	2.8	4.2	0.0	57.1	47.3	C-L
SG 8333	Garrison Seed & Co.	R	Y	72	13.5	20750	0.0	1.2	0.0	57.7	47.3	C-L
7993	CARGILL HYBRID	R	Y	74	13.7	27333	0.0	7.3	0.0	56.8	46.3	C-L
T-E 6996	TAYLOR-EVANS SEED	R	Y	78	13.5	18500	0.0	18.9	0.0	59.1	45.4	D-L
NC+ 7507	NC+ Hybrids	R	Y	81	14.3	19667	0.0	5.1	1.7	55.2	45.4	D-L
G-4673B	Funk Seeds Int.	R	Y	78	13.9	21333	0.0	7.8	0.0	55.0	45.0	D-L
HS64	HyPerformer Seed	R	Y	75	13.6	19750	0.0	12.7	0.0	57.2	44.3	D-L
Pioneer hybrid 3140	Pioneer Hi-Bred	P	Y	77	13.5	21500	0.0	30.2	0.0	52.2	44.1	D-L
HS97	HyPerformer Seed	R	Y	76	14.2	20250	0.0	13.6	0.0	56.0	43.7	D-L
ORO 180	ORO Hybrids	R	Y	78	13.5	20000	0.0	10.0	0.0	56.1	43.4	E-L
XP 9086X	ASGROW SEED CO.	R	Y	76	13.7	22500	2.2	7.8	0.0	55.2	43.0	E-L
113-W	Conlee Seed Co.	W	W	80	14.0	22500	0.0	15.6	0.0	55.8	42.0	E-L
WAC 920D	SEEDTEC INT.	R	Y	74	13.5	20750	0.0	3.6	0.0	55.7	41.2	E-L
King 4164F	Douglass W. King	W	Y	77	13.6	18000	0.0	83.3	0.0	57.4	41.2	E-L
84202 Y	Tx. Agri. Exp. Sta.	P	Y	78	14.9	17667	0.0	58.5	0.0	55.3	40.5	F-L
TR3303	Summit Seed Co.	R	Y	76	13.5	19250	0.0	9.1	0.0	55.7	40.2	F-L
88201 Y	Tx. Agri. Exp. Sta.	W	Y	81	15.2	19500	0.0	44.9	0.0	56.5	39.9	F-L
88206 W	Tx. Agri. Exp. Sta.	W	W	77	13.9	17250	0.0	36.2	0.0	54.9	39.7	F-L
Pioneer hybrid XC871	Pioneer Hi-Bred	P	Y	78	15.1	23000	0.0	5.4	0.0	57.6	39.1	F-L
Pioneer hybrid 3110	Pioneer Hi-Bred	W	Y	80	14.5	21500	0.0	16.3	0.0	57.3	38.3	G-L
88205 W	Tx. Agri. Exp. Sta.	W	W	77	13.5	18333	0.0	38.2	0.0	56.8	36.9	H-L
Pioneer hybrid 3144W	Pioneer Hi-Bred	W	W	81	13.7	19667	0.0	11.9	0.0	56.1	36.1	I-L
XA 755	DEKALB-PFIZER GEN.	P	Y	78	14.3	26500	0.0	13.2	0.0	54.9	30.4	J-L
RX 905	ASGROW SEED CO.	R	Y	78	13.5	23000	0.0	7.2	0.0	56.9	28.9	K-L
ORO 271	ORO Hybrids	R	Y	81	13.9	19667	0.0	30.5	3.4	58.1	24.2	L

TEST MEAN= 53.1 TEST C.V.= 27.3 LSD .05= 20.3

TABLE 4A. CORN PERFORMANCE TEST; CORPUS CHRISTI, TEXAS 1988

HYBRID *	COMPANY OR BRAND NAME	COB COLOR **	GRAIN COLOR ***	DAYS TO 50% SILK	MOIS- TURE %	PLANT POP. PER ACRE	% SMUT	% LODGED	% BROKEN	TEST WT. lb/bu	YIELD bu/A	STAT SIG. ****
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Note: Hybrid names starting or ending with an "X" denotes a commercial experimental. Those hybrids entered by the Texas Agricultural Experiment Station are either in the experimental stage or being tested as experimental check hybrids. Please contact respective seed companies for the availability of planting seed for the upcoming crop year.

* Texas Seed Co. PS 799 and Funks G-4673A were entered as commercial check hybrids at our discretion and should be used for comparison purposes only.

** Cob Color: R=Red W=White P=Pink.

*** Grain Color: Y=Yellow W=White.

**** Duncan's multiple range test was used at the .05 level.

Table 4B. Three-year summary, Corn Performance Test, Corpus Christi, Texas.

HYBRID	COMPANY	1988		1987		1986	
		Rank	Yield	Rank	Yield	Rank	Yield
Pioneer® hybrid 3165	Pioneer Hi-Bred International, Inc.	1	79.5	14	115.3	1	120.9
CHECK 2	Tx. Agri. Exp. Sta.	2	76.5	40	105.3	18	107.5
W-2192	George Warner Seed Company	3	76.3	7	121.7	—	—
ORO 150	ORO Hybrids	4	74.4	20	112.8	—	—
ORO 190	ORO Hybrids	5	—	—	—	—	—
Pioneer® hybrid XC872	Pioneer Hi-Bred International, Inc.	6	70.0	—	—	—	—
T-E 6994	TAYLOR-EVANS SEED COMPANY	7	69.8	10	120.0	32	104.3
HS60	HyPerformer Seed Company	8	67.6	—	—	—	—
WAC 915	SEEDTEC INTERNATIONAL	9	67.0	6	122.2	28	105.1
G-4543	Funk Seeds International	10	66.9	—	—	—	—
DK 711	DEKALB-PFIZER GENETICS	11	66.6	2	131.9	—	—
EXP 4172	GroAgri Seed Company	12	66.3	—	—	—	—
ST 7750	SEEDTEC INTERNATIONAL	13	65.6	—	—	—	—
NC+ 6414	NC+ Hybrids	14	64.8	—	—	—	—
PX 9581	Northrup King Company	15	63.2	47	101.9	47	94.8
8830	Conlee Seed Company, Inc.	16	63.0	—	—	—	—
SG 8215	Garrison Seed & Company	17	62.8	25	111.4	9	111.2
S7759	Northrup King Company	18	61.8	—	—	29	104.9
ST 7680	SEEDTEC INTERNATIONAL	19	61.8	—	—	—	—
V68W	VINEYARD SEED COMPANY	20	60.6	—	—	—	—
8850	Conlee Seed Company, Inc.	21	60.3	—	—	—	—
DK 689	DEKALB-PFIZER GENETICS	22	60.0	3	128.1	—	—
CHECK 1	Tx. Agri. Exp. Sta.	23	59.8	32	109.1	21	106.7
V58W	VINEYARD SEED COMPANY	24	59.4	—	—	—	—
Rx 895	ASGROW SEED COMPANY	25	59.3	—	—	—	—

Table 4B. Corpus Christi (Continued)

HYBRID	COMPANY	1988		1987		1986	
		Rank	Yield	Rank	Yield	Rank	Yield
T-E 6988	TAYLOR-EVANS SEED COMPANY	26	59.1	—	—	—	—
G-4666	Funk Seed International	27	59.0	16	114.4	—	—
AgriPro 820	AgriPro Seeds	28	58.8	—	—	—	—
88204W	Tx. Agri. Exp. Sta.	29	57.9	—	—	—	—
NC+ 8085	NC+ Hybrids	30	57.7	—	—	—	—
ORO EXP. 805X	ORO Hybrids	31	57.6	—	—	—	—
RX 892	ASGROW SEED COMPANY	32	56.5	—	—	—	—
8631	Conlee Seed Company, Inc.	33	56.1	38	106.5	—	—
AgriPro AP670	AgriPro Seeds	34	56.0	—	—	—	—
King 5114	Douglass W. King Company	35	55.8	—	—	—	—
SCR 1	Southern Corn Research	36	55.8	—	—	—	—
9427	Cargill Hybrid Seeds	37	54.8	—	—	—	—
S8505	Northrup King Company	38	53.4	—	—	—	—
W-2160	George Warner Seed Company	39	53.1	—	—	—	—
8520	Conlee Seed Company, Inc.	40	53.0	—	—	—	—
Pioneer® hybrid 3343	Pioneer Hi-Bred International, Inc.	41	52.8	—	—	—	—
G-4500	Funk Seeds International	42	52.1	—	—	—	—
S 8645	Northrup King Company	43	51.8	—	—	—	—
RX 956W	ASGROW SEED COMPANY	44	51.4	—	—	—	—
V68AW	VINEYARD SEED COMPANY	45	50.9	—	—	—	—
7046X	Funk Seeds International	46	49.4	—	—	—	—
HS 56	HyPerformer Seed Company	47	48.0	—	—	—	—
King 4154A	Douglass W. King Company	48	47.3	—	—	—	—
SG 8333	Garrison Seed & Company	49	47.3	33	109.0	—	—
7993	Cargill Hybrid Seeds	50	46.3	—	—	—	—

Table 4B. Corpus Christi (Continued)

HYBRID	COMPANY	1988		1987		1986	
		Rank	Yield	Rank	Yield	Rank	Yield
T-E 6996	TAYLOR-EVANS SEED COMPANY	51	45.4	15	115.3	8	111.6
NC+ 7507	NC+ Hybrids	52	45.4	—	—	—	—
G-4673B	Funk Seeds International	53	45.0	32	109.1	—	—
HS 64	HyPerformer Seed Company	54	44.3	—	—	—	—
Pioneer® hybrid 3140	Pioneer Hi-Bred International, Inc.	55	44.1	—	—	—	—
HS 97	HyPerformer Seed Company	56	43.7	—	—	—	—
ORO 180	ORO Hybrids	57	43.4	5	124.2	—	—
XP 9086X	ASGROW SEED COMPANY	58	43.0	—	—	—	—
113-W	Conlee Seed Company, Inc.	59	42.0	52	91.2	—	—
WAC 920D	SEEDTEC INTERNATIONAL	60	41.2	45	102.9	3	116.2
King 4164 F	Douglass W. King Company	61	41.2	—	—	—	—
84202Y	Tx. Agri. Exp. Sta.	62	40.5	31	109.2	—	—
TR 3303	Summit Seed Company	63	40.2	9	120.1	4	113.0
88201Y	Tx. Agri. Exp. Sta.	64	39.9	—	—	—	—
88206W	Tx. Agri. Exp. Sta.	65	39.7	—	—	—	—
Pioneer® hybrid XC871	Pioneer Hi-Bred International, Inc.	66	39.1	—	—	—	—
Pioneer® hybrid 3110	Pioneer Hi-Bred International, Inc.	67	38.3	44	103.6	52	91.5
88205 W	Tx. Agri. Exp. Sta.	68	36.9	—	—	—	—
Pioneer® hybrid 3144W	Pioneer Hi-Bred International, Inc.	69	36.1	—	—	—	—
XA755	DEKALB-PFIZER GENETICS	70	30.4	—	—	—	—
Rx 905	ASGROW SEED COMPANY	71	28.9	42	104.4	—	—
ORO 271	ORO Hybrids	72	24.2	—	—	—	—
GSC 2333	GroAgri Seed Company	—	—	1	139.4	4	116.1
COKER 21	COKER'S PEDIGREED	—	—	4	126.1	23	106.0
Paymaster 8990	CARMEX	—	—	11	118.8	15	108.6

Table 4B. Corpus Christi (Continued)

HYBRID	COMPANY	1988		1987		1986	
		Rank	Yield	Rank	Yield	Rank	Yield
2570	ASGROW SEED COMPANY	--	--	13	116.6	22	106.0
86101	Tx. Agri. Exp. Sta.	--	--	17	113.0	27	105.2
Mo17 x B73	Tx. Agri. Exp. Sta.	--	--	19	112.8	7	111.6
PX 9584	Northrup King Company	--	--	21	112.6	54	88.7
COKER 8625	COKER'S PEDIGREED	--	--	22	112.5	13	109.8
RA 1502	Funk Seeds International	--	--	30	109.4	14	109.5
202	Conlee Seed Company, Inc.	--	--	35	108.3	50	92.5
T-E 6977	TAYLOR-EVANS SEED	--	--	36	107.3	38	101.1
GSC 2216	GroAgri Seed Company	--	--	39	106.3	6	112.6
TR 4405	Summit Seed Company	--	--	43	103.7	31	104.3
Number Entries:		72		54		58	
Test Mean Yield:		53.1		110.4		102.5	

Note: Hybrids with same yields were ranked by computer.

TABLE 5. AGRONOMIC AND TEST INFORMATION: WHARTON

TEST:	1988 Dryland Corn Performance Test
LOCATION:	Julius Kalina Farm, Wharton, Texas
COOPERATORS:	Julius Kalina, Dennis Pietsch, John Cosper, and Benard Mitchell
SOIL TYPE:	Asa sandy clay loam
ROW WIDTH:	40"
PREVIOUS CROP:	Fallow
LAND PREPARATION:	Chiseled, bedded, hipped, and re-bedded
DATE PLANTED:	3-7-88, hand dropped behind JD Max-Emerge planter
PLOT LENGTH:	30'
FERTILIZER:	Banded 600 lb/A of 21-7-3 + 1qt/A of zinc in February
HERBICIDE:	1 qt/A of AAtrex (atrazine) + 1 pt/A Lasso (alachlor) after planting
INSECTICIDE:	5 lb/A Counter 15G (terbufos) at planting
RAINFALL:	March = 6.1"; April = 3.0"; May = 1.0"; June = 2.9"; July = 3.65"; August = 3.0"; Total = 19.65"
IRRIGATIONS:	None
DATE HARVESTED:	8-8-88
SIZE HARVESTED PLOT:	1/1,000 acre
TEST DESIGN:	Randomized block
NUMBER ENTRIES:	71
NUMBER REPLICATIONS:	4
NUMBER ROWS/PLOT:	1
MEAN PLANT POP.:	21,920 plants/A
TEST MEAN:	169.3 bu/A; yields corrected to 15.5% moisture
TEST C.V.:	10.2 percent

GENERAL INFORMATION: This test site located in the Upper Coast Region of Texas is one of the major corn producing areas in the state. Record yields were achieved due to near-perfect growing conditions throughout the growing season. The season started with a full soil profile of moisture from late winter-early spring rains. An optimum planting date was secured and seedling emergence was good but cool and wet weather conditions delayed early plant growth and development. Warm weather followed in late-April thus allowing plants to develop. Timely rainfall in June ensured grain fill and contributed to final yields. Plant stress was not observed in the test due to rainfall and excellent subsoil moisture. The test mean yield of 169.3 bu/A is 42.2 bu/A more than the past 5-year average of 127.1 bu/A.

Most of the lodging was classified as root lodging and can be attributed to a brief period of high wind and rain prior to the tassel-silk stage.

All four replications were brought back to College Station and plots were weighed, shelled, moisture and bushel weight obtained.

TABLE 5A. CORN PERFORMANCE TEST; WHARTON, TEXAS 1988

HYBRID *	COMPANY OR BRAND NAME	COB COLOR **	GRAIN COLOR ***	DAYS TO 50% SILK	PLANT HT. IN.	EAR HT. IN.	MOISTURE %	PLANT POP. PER ACRE	% LODGED	% BROKEN	TEST WT. lb/bu	YIELD bu/A	STAT SIG. ****
PX 9646	Northrup King Co.	R	Y	83	111	43	17.5	23333	1.4	1.4	58.7	207.4	A
Pioneer hybrid XC872	Pioneer Hi-Bred	P	Y	81	109	39	15.8	24750	6.1	0.0	58.4	205.3	A-B
EX 4172	GroAgri Seed Co.	R	Y	84	107	45	19.0	25250	18.8	0.0	57.4	199.9	A-C
G-4673B	Funk Seeds Int.	R	Y	82	102	37	16.6	23250	0.0	2.2	58.4	194.0	A-D
DK711	DEKALB-PFIZER GEN.	P	Y	83	101	43	18.4	24250	2.1	2.1	60.0	189.6	A-E
T-E 6994	TAYLOR-EVANS SEED	R	Y	82	104	42	16.6	23250	2.2	0.0	58.3	186.8	A-F
RX 892	ASGROW SEED CO.	R	Y	82	106	43	17.5	22750	4.4	0.0	57.8	186.4	A-G
Pioneer hybrid XC871	Pioneer Hi-Bred	P	Y	81	109	47	16.8	22500	0.0	0.0	58.6	183.3	A-H
G-4666	Funk Seeds Int.	R	Y	81	107	44	16.4	23000	0.0	0.0	59.4	182.6	A-H
W-2160	George Warner Seed	R	Y	81	106	40	15.6	21250	0.0	1.2	59.0	181.1	A-I
King 4154A	Douglass W. King	R	Y	81	109	45	17.1	20250	0.0	1.2	58.6	179.8	A-J
Pioneer hybrid 3343	Pioneer Hi-Bred	P	Y	81	104	41	14.2	21500	0.0	0.0	58.5	179.8	A-J
G-4543	Funk Seeds Int.	R	Y	80	102	40	15.5	23500	0.0	0.0	59.9	179.6	A-J
Check 3	Tx. Agri. Exp. Sta.			83	104	42	16.7	23750	6.3	0.0	57.2	179.5	A-J
Pioneer hybrid 3140	Pioneer Hi-Bred	P	Y	84	108	44	16.8	21750	9.2	1.1	56.9	178.1	A-K
XP 9086X	ASGROW SEED CO.	R	Y	83	110	43	16.6	23667	0.0	0.0	57.3	178.0	A-K
ORD 190	ORD Hybrids	R	Y	79	104	36	16.2	22333	0.0	0.0	58.9	177.9	A-K
Pioneer hybrid 3165	Pioneer Hi-Bred	R	Y	85	102	40	19.8	21500	0.0	1.2	56.8	177.7	A-K
PS 799	Texas Seed Co.	R	Y	82	103	41	17.3	24250	0.0	0.0	58.9	177.1	A-K
PS 777	Texas Seed Co.	R	Y	80	99	38	17.2	23500	0.0	2.1	59.8	177.0	A-K
T-E 6988	TAYLOR-EVANS SEED	R	Y	81	101	40	15.1	22250	1.1	0.0	58.3	176.9	A-K
ST 7625	SEEDTEC INT.	R	Y	81	114	39	15.5	22500	1.1	0.0	60.5	176.4	A-L
7989	CARGILL HYBRID	R	Y	80	111	42	15.9	19000	6.6	0.0	58.0	176.0	A-M
AgriPro 820	AgriPro Seeds	R	Y	81	106	40	15.6	22000	3.4	0.0	58.9	175.0	B-M
8830	Conlee Seed Co.	R	Y	80	105	40	16.2	22333	0.0	0.0	59.5	174.9	B-M
ORD 180	ORD Hybrids	R	Y	82	106	44	16.3	20750	2.4	0.0	58.1	174.5	B-M
ST 7750	SEEDTEC INT.	R	Y	83	107	42	16.9	23500	0.0	0.0	59.3	174.4	B-M
DK689	DEKALB-PFIZER GEN.	P	Y	83	103	44	17.0	22750	0.0	0.0	57.6	173.6	B-M
WAC 915	SEEDTEC INT.	R	Y	83	102	43	16.1	25000	13.3	0.0	58.3	173.6	B-M
Pioneer hybrid 3110	Pioneer Hi-Bred	W	Y	85	108	43	18.2	23250	4.3	0.0	59.3	173.5	B-M
TR3303	Summit Seed Co.	R	Y	79	107	47	14.8	23500	6.4	0.0	58.9	173.1	B-M
W-2192	George Warner Seed	R	Y	82	106	40	15.1	23000	1.1	0.0	57.1	172.3	C-N
8850	Conlee Seed Co.	P	Y	80	100	39	18.3	21000	1.2	0.0	57.0	172.0	C-N
SCR 8	Southern Corn Res.	R	Y	82	108	45	17.0	20500	1.2	0.0	58.9	170.9	C-N
ORD 271	ORD Hybrids	R	Y	83	102	47	17.7	22500	21.1	0.0	59.3	170.4	C-N
NC+ 5891	NC+ Hybrids	R	Y	82	106	39	15.1	20500	0.0	0.0	60.7	169.8	C-N
EX 4715	GroAgri Seed Co.	W	Y	82	100	41	17.5	22000	8.0	0.0	59.8	169.1	C-N
7046X	Funk Seeds Int.	R	Y	83	98	36	17.8	20500	7.3	0.0	56.8	168.9	C-N
King 4164F	Douglass W. King	W	Y	83	109	47	19.6	21000	2.4	0.0	60.3	167.7	C-N

TABLE 5A. CORN PERFORMANCE TEST; WHARTON, TEXAS 1988

HYBRID *	COMPANY OR BRAND NAME	COB COLOR **	GRAIN COLOR ***	DAYS TO 50% SILK	PLANT HT. IN.	EAR HT. IN.	MOISTURE %	PLANT POP. PER ACRE	% LODGED	% BROKEN	TEST WT. lb/bu	YIELD bu/A	STAT SIG. ****
SX 352	CARGILL HYBRID	R	Y	80	105	44	14.8	22333	3.0	0.0	58.8	167.4	D-N
Check 2	Tx. Agri. Exp. Sta.			82	100	41	15.7	21750	6.9	0.0	58.0	166.8	D-N
8840	Conlee Seed Co.	R	Y	84	109	45	17.2	21750	5.7	0.0	56.9	166.6	D-N
NC+ 6414	NC+ Hybrids	R	Y	79	101	40	16.1	20667	0.0	0.0	58.2	166.1	D-N
7993	CARGILL HYBRID	R	Y	81	99	36	15.4	25000	0.0	0.0	59.5	164.7	D-N
SG 8215	Garrison Seed Co.	R	Y	81	100	40	15.0	20000	3.7	0.0	58.9	164.7	D-N
XA 755	DEKALB-PFIZER GEN.	P	Y	84	111	42	17.7	23000	7.6	2.2	58.2	164.6	D-N
NC+ 7507	NC+ Hybrids	R	Y	84	102	40	15.9	20000	2.5	0.0	58.5	164.4	D-N
Check 1	Tx. Agri. Exp. Sta.			81	101	41	15.5	21250	3.5	1.2	58.8	163.7	D-N
ORD 150	ORD Hybrids	R	Y	79	101	41	14.8	21500	8.1	0.0	59.2	162.4	D-N
ST 7680	SEEDTEC INT.	R	Y	81	101	36	15.0	23250	0.0	1.1	59.6	162.3	D-N
84202	Tx. Agri. Exp. Sta.	P	Y	85	110	51	19.7	21500	62.8	0.0	55.5	160.2	E-N
TR4405	Summit Seed Co.	R	Y	84	106	41	16.5	21500	1.2	0.0	57.5	160.0	E-N
SCR 6	Southern Corn Res.	R	Y	85	110	49	21.0	20000	1.2	2.5	57.0	158.7	E-N
King 5114	Douglass W. King	R	Y	84	105	44	16.9	22500	25.6	0.0	56.8	157.6	E-N
T-E 6996	TAYLOR-EVANS SEED	R	Y	83	104	42	17.2	19500	21.8	0.0	59.9	157.5	E-N
SCR 3	Southern Corn Res.	R	Y	83	104	45	17.1	20750	9.6	8.4	57.8	157.4	E-N
SCR 1	Southern Corn Res.	R	Y	81	105	44	19.0	21500	0.0	0.0	60.4	156.9	F-N
88204	Tx. Agri. Exp. Sta.	W	W	84	113	52	19.7	19667	84.7	0.0	57.1	156.9	F-N
King 7104	Douglass W. King	R	Y	85	112	52	21.1	20250	7.4	1.2	56.4	156.8	F-N
S8505	Northrup King Co.	R	Y	85	105	38	16.6	23000	0.0	0.0	57.5	155.9	F-N
RX 905	ASGROW SEED CO.	R	Y	80	103	43	15.9	21333	15.6	1.6	58.5	155.5	F-N
SG 8333	Garrison Seed Co.	R	Y	79	110	41	15.3	20250	1.2	0.0	60.3	154.7	F-N
AgriPro AP670	AgriPro Seeds	R	Y	79	102	37	14.8	20750	0.0	0.0	60.1	153.9	G-N
T-E 6951	TAYLOR-EVANS SEED	R	Y	81	101	37	15.7	24333	1.4	0.0	59.6	153.3	H-N
HS 64	HyPerformer Seed	R	Y	81	108	41	17.4	20333	1.6	0.0	58.0	149.6	I-N
88201	Tx. Agri. Exp. Sta.	W	Y	86	109	49	20.3	22250	47.2	1.1	55.6	149.4	I-N
HS 60	HyPerformer Seed	R	Y	82	104	39	16.3	21000	0.0	0.0	58.8	148.2	J-N
88205	Tx. Agri. Exp. Sta.	W	W	81	105	41	16.7	18667	60.7	0.0	59.2	145.6	K-N
8520	Conlee Seed Co.	R	Y	79	98	36	13.8	20500	1.2	0.0	60.4	144.3	L-N
HS 97	HyPerformer Seed	R	Y	82	104	41	16.1	20500	0.0	0.0	58.8	143.5	M-N
HS 56	HyPerformer Seed	R	Y	80	100	37	16.1	19667	0.0	0.0	58.6	139.9	N

TEST MEAN= 169.3

TEST C.V. = 10.2

LSD .05= 24.1

TABLE 5A. CORN PERFORMANCE TEST; WHARTON, TEXAS 1988

HYBRID *	COMPANY OR BRAND NAME	COB COLOR **	GRAIN COLOR ***	DAYS TO 50% SILK	PLANT HT. IN.	EAR HT. IN.	MOISTURE %	PLANT POP. PER ACRE	% LODGED	% BROKEN	TEST WT. lb/bu	YIELD bu/A	STAT SIG. ****
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Note: Hybrid names starting or ending with an "X" denotes a commercial experimental. Those hybrids entered by the Texas Agricultural Experiment Station are either in the experimental stage or being tested as experimental check hybrids. Please contact respective seed companies for the availability of planting seed for the upcoming crop year.

* Funks G-4673A, Northrup King S-7759 and Frontier F-3030 were entered as commercial check hybrids at our discretion and should be used for comparison purposes only.

** Cob Color: R=Red W=White P=Pink.

*** Grain Color: Y=Yellow W=White.

**** Duncan's multiple range test was used at the .05 level.

Table 5B. Three-year summary, Corn Performance Test, Wharton, Texas.

HYBRID	COMPANY	1988		1987		1986	
		Rank	Yield	Rank	Yield	Rank	Yield
Px 9646	Northrup King Company	1	207.4	—	—	—	—
Pioneer® hybrid XC872	Pioneer Hi-Bred International, Inc.	2	205.3	—	—	—	—
EX 4172	GroAgri Seed Company	3	199.9	—	—	—	—
G-4673B	Funk Seeds International	4	194.0	24	118.1	—	—
DK 711	DEKALB-PFIZER GENETICS	5	189.6	15	122.0	—	—
T-E 6994	TAYLOR-EVANS SEED COMPANY	6	186.8	5	131.0	—	—
Rx 892	ASGROW SEED COMPANY	7	186.4	39	113.1	43	131.8
Pioneer® hybrid XC871	Pioneer Hi-Bred International, Inc.	8	183.3	—	—	—	—
G-4666	Funk Seeds International	9	182.6	13	122.7	—	—
W-2160	George Warner Seed Company	10	181.1	—	—	—	—
King 4154A	Douglass W. King Company	11	179.8	—	—	—	—
Pioneer® hybrid 3343	Pioneer Hi-Bred International, Inc.	12	179.8	—	—	—	—
G-4543	Funk Seeds International	13	179.6	—	—	—	—
CHECK 3	Tx. Agri. Exp. Sta.	14	179.5	14	122.4	15	142.6
Pioneer® hybrid 3140	Pioneer Hi-Bred International	15	178.1	—	—	—	—
XP 9086X	ASGROW SEED COMPANY	16	178.0	—	—	—	—
ORO 190	ORO Hybrids	17	177.9	—	—	—	—
Pioneer® hybrid 3165	Pioneer Hi-Bred International, Inc.	18	177.7	6	129.7	1	164.7
PS 799	Texas Seed Company	19	177.1	18	120.5	18	142.1
PS 777	Texas Seed Company	20	177.0	—	—	—	—
T-E 6988	TAYLOR-EVANS SEED COMPANY	21	176.9	—	—	—	—
ST 7625	SEEDTEC INTERNATIONAL	22	176.4	—	—	—	—
7989	Cargill Hybrid Seeds	23	176.0	—	—	—	—
AgriPro 820	AgriPro Seeds	24	175.0	—	—	—	—
8830	Conlee Seed Company, Inc.	25	174.9	—	—	—	—

Table 5B. Wharton (Continued)

HYBRID	COMPANY	1988		1987		1986	
		Rank	Yield	Rank	Yield	Rank	Yield
ORO 180	ORO Hybrids	26	174.5	30	116.7	—	—
ST 7750	SEEDTEC INTERNATIONAL	27	174.4	—	—	—	—
DK 689	DEKALB-PFIZER GENETICS	28	173.6	4	134.8	—	—
WAC 915	SEEDTEC INTERNATIONAL	29	173.6	16	121.5	32	135.2
Pioneer® hybrid 3110	Pioneer Hi-Bred International, Inc.	30	173.5	23	118.4	46	130.4
TR 3303	Summit Seed Company	31	173.1	10	124.5	24	137.4
W-2192	George Warner Seed Company	32	172.3	—	—	—	—
8850	Conlee Seed Company, Inc.	33	172.0	—	—	—	—
SCR 8	Southern Corn Research	34	170.9	—	—	—	—
ORO 271	ORO Hybrids	35	170.4	—	—	—	—
NC+ 5891	NC+ Hybrids	36	169.8	25	117.9	—	—
EXP 4715	GroAgri Seed Company	37	169.1	—	—	—	—
7046X	Funk Seed International	38	168.9	—	—	—	—
King 4164F	Douglass W. King Company	39	167.7	—	—	—	—
SX 352	Cargill Hybrid Seeds	40	167.4	—	—	50	129.7
CHECK 2	Tx. Agri. Exp. Sta.	41	166.8	—	—	5	147.5
8840	Conlee Seed Company, Inc.	42	166.6	—	—	—	—
NC+ 6414	NC+ Hybrids	43	166.1	11	123.2	—	—
7993	Cargill Hybrid Seeds	44	164.7	—	—	—	—
SG 8215	Garrison Seed & Company	45	164.7	37	114.0	34	134.9
XA 755	DEKALB-PFIZER GENETICS	46	164.6	—	—	—	—
NC+ 7507	NC+ Hybrids	47	164.4	28	117.0	—	—
CHECK 1	Tx. Agri. Exp. Sta.	48	163.7	—	—	—	—
ORO 150	ORO Hybrids	49	162.4	58	99.3	—	—
ST 7680	SEEDTEC INTERNATIONAL	50	162.3	—	—	—	—

Table 5B. Wharton (Continued)

HYBRID	COMPANY	1988		1987		1986	
		Rank	Yield	Rank	Yield	Rank	Yield
84202	Tx. Agri. Exp. Sta.	51	160.2	3	135.5	21	140.4
TR4405	Summit Seed Company	52	160.0	59	93.0	2	151.4
SCR 6	Southern Corn Research	53	158.7	—	—	—	—
King 5114	Douglass W. King Company	54	157.6	—	—	—	—
T-E 6996	TAYLOR-EVANS SEED COMPANY	55	157.5	21	118.9	22	138.8
SCR 3	Southern Corn Research	56	157.4	—	—	—	—
SCR 1	Southern Corn Research	57	156.9	—	—	—	—
88204	Tx. Agri. Exp. Sta.	58	156.9	—	—	—	—
King 7104	Douglass W. King Company	59	156.8	—	—	—	—
S8505	Northrup King Company	60	155.9	—	—	—	—
RX 905	ASGROW SEED COMPANY	61	155.5	—	—	—	—
SG 8333	Garrison Seed & Company	62	154.7	20	119.6	—	—
AgriPro AP670	AgriPro Seeds	63	153.9	—	—	—	—
T-E 6951	TAYLOR-EVANS SEED COMPANY	64	153.3	—	—	—	—
HS64	HyPerformer Seed Company	65	149.6	—	—	—	—
88201	Tx. Agri. Exp. Sta.	66	149.4	—	—	—	—
HS60	HyPerformer Seed Company	67	148.2	—	—	—	—
88205	Tx. Agri. Exp. Sta.	68	145.6	—	—	—	—
8520	Conlee Seed Company, Inc.	69	144.3	—	—	30	135.5
HS 97	HyPerformer Seed Company	70	143.5	—	—	—	—
HS 56	HyPerformer Seed Company	71	139.9	—	—	—	—
2570	ASGROW SEED COMPANY	—	—	7	129.7	51	129.4
Sunbelt 1860	Terral-Norris Seed	—	—	22	118.4	62	121.7
T-E 6977	TAYLOR-EVANS SEED COMPANY	—	—	26	117.6	38	132.8
86101	Tx. Agri. Exp. Sta.	—	—	34	115.2	58	124.1

Table 5B. Wharton (Continued)

HYBRID	COMPANY	1988		1987		1986	
		Rank	Yield	Rank	Yield	Rank	Yield
COKER 21	COKER'S PEDIGREED	--	--	35	114.8	26	136.1
COKER 8625	COKER'S PEDIGREED	--	--	36	114.7	45	130.8
WAC 920D	SEEDTEC INTERNATIONAL	--	--	40	112.7	55	128.7
202	Conlee Seed Company, Inc.	--	--	41	112.5	59	123.5
Px 9584	Northrup King Company	--	--	42	112.5	54	128.7
Mo17 x B73	Tx. Agri. Exp. Sta.	--	--	43	112.1	16	142.5
Sunbelt 1876	Terral-Norris Seed	--	--	45	108.5	19	142.1
RA 1502	Funk Seeds International	--	--	51	106.4	23	138.3
GSC 2216	GroAgri Seed Company	--	--	52	105.6	17	142.2
Sunbelt 1802	Terral-Norris Seed	--	--	53	105.3	9	145.2
G-4614	Funk Seeds International	--	--	54	105.1	25	136.2
Sunbelt 1827	Terral-Norris Seed	--	--	55	102.6	44	131.7
Number Entries:		71		60		68	
Test Mean Yield:			169.3		115.8		134.4

Note: Hybrids with same yields were ranked by computer.

TABLE 6. AGRONOMIC AND TEST INFORMATION: COLLEGE STATION

TEST:	1988 Irrigated Corn Performance Test
LOCATION:	Texas A&M University Farm, College Station, Texas
COOPERATORS:	A. J. Bockholt, Frank Fojt III, Dennis Pietsch, and Randy Gaas
SOIL TYPE:	Ships clay loam
ROW WIDTH:	40"
PREVIOUS CROP:	Corn
LAND PREPARATION:	Disked and bedded
DATE PLANTED:	3-5-88, cone planter
PLOT LENGTH:	19'
FERTILIZER:	600 lb/A of liquid 12-12-6 on 1-20-88; and 125 lb/A of N applied as liquid 32-0-0 sidedress
HERBICIDE:	Applied 1 1/4 qt/A of Dual (metolachlor) + 2 qt/A of liquid AAtrex (atrazine) on 4-13-88
INSECTICIDE:	None
RAINFALL:	January = .84"; February = 1.27"; March = 2.66"; April = .75"; May = 4.14"; June = 1.28"; July = 2.24"; August = 2.27"; Total = 15.45"
IRRIGATIONS:	Applied approximately 3.5" on 4-28; 5-19; 6-13. One was ineffective due to rainfall following irrigation
DATE HARVESTED:	8-4-88, by hand
SIZE HARVESTED PLOT:	1/1,000 acre
TEST DESIGN:	Randomized block
NUMBER ENTRIES:	53
NUMBER REPLICATIONS:	4
NUMBER ROWS/PLOT:	1
MEAN PLANT POP.:	23,436 plants/A
TEST MEAN:	131.7 bu/A; yields corrected to 15.5% moisture
TEST C.V.:	13.2 percent

GENERAL INFORMATION: Good management, excellent plant stands, and a timely irrigation schedule were contributing factors that resulted in above normal yields at this test site. An optimum planting date was secured with excellent seedbed moisture. Seedling emergence was rapid and good plant stands were achieved after thinning. Excellent plant growth and development resulted from a timely irrigation schedule and rainfall.

The test mean yield of 131.7 bu/A is 3.7 bu/A more than the past five year average of 128 bu/A. Root lodging was observed in some hybrids. The incidence of broken plants and smut was low.

TABLE 6A. CORN PERFORMANCE TEST; COLLEGE STATION, TEXAS 1988

HYBRID *	COMPANY OR BRAND NAME	COB COLOR **	GRAIN COLOR ***	DAYS TO 50% SILK	PLANT HT. IN.	EAR HT. IN.	MOIS- TURE %	PLANT POP. PER ACRE	% SMUT	% LODGED	% BROKEN	TEST WT. lb/bu	YIELD bu/A	STAT SIG. ****
ORO EXP.801X	ORO Hybrids	R	Y	85	98	41	14.9	23250	0.0	2.2	0.0	57.4	165.3	A
Pioneer hybrid XC872	Pioneer Hi-Bred	P	Y	84	99	40	12.7	25250	0.0	0.0	0.0	59.2	159.9	A-B
Pioneer hybrid 3110	Pioneer Hi-Bred	W	Y	87	100	42	15.4	24000	0.0	4.2	0.0	60.0	156.5	A-C
Pioneer hybrid 3165	Pioneer Hi-Bred	R	Y	88	99	39	14.0	23750	0.0	0.0	0.0	58.1	152.2	A-D
S7759	Northrup King Co.	R	Y	85	92	36	12.9	22750	0.0	0.0	0.0	58.6	147.7	A-E
ORO 150	ORO Hybrids	R	Y	83	93	38	12.3	24250	0.0	1.0	0.0	58.1	147.0	A-E
8850	Conlee Seed Co.	P	Y	82	91	36	12.5	26000	0.0	2.9	0.0	57.4	145.6	A-F
King 4154A	Douglass W. King	R	Y	84	99	41	13.4	24500	2.0	0.0	2.0	58.3	144.6	A-F
NC+ 8085	NC+ Hybrids	R	Y	86	101	41	13.1	21000	0.0	0.0	0.0	58.6	141.1	A-G
ORO 190	ORO Hybrids	R	Y	83	91	33	12.1	26000	0.0	1.0	0.0	58.1	140.5	A-G
G-4666	Funk Seeds Int.	R	Y	84	98	40	12.9	22750	2.2	0.0	0.0	58.8	140.1	A-G
RX 892	ASGROW SEED CO.	R	Y	84	96	40	12.5	24000	0.0	5.2	0.0	57.8	139.1	A-H
Pioneer hybrid 3140	Pioneer Hi-Bred	P	Y	88	103	43	13.4	24250	0.0	2.1	0.0	57.1	138.8	A-H
Pioneer hybrid 3343	Pioneer Hi-Bred	P	Y	85	98	39	12.2	24000	0.0	0.0	0.0	57.8	138.6	A-H
Check 2	Tx. Agri. Exp. Sta.			85	95	35	12.8	24000	0.0	0.0	0.0	58.7	138.1	A-H
8631	Conlee Seed Co.	R	Y	84	90	33	12.7	24750	0.0	9.1	0.0	58.7	137.8	A-H
NC+ 7507	NC+ Hybrids	R	Y	89	93	42	12.3	22250	1.1	5.6	0.0	56.1	137.5	A-H
RX 905	ASGROW SEED CO.	R	Y	86	103	40	12.3	26250	1.0	5.7	0.0	57.3	136.9	A-H
F-3040	FRONTIER SEED CO.	P	Y	85	92	39	12.1	25250	0.0	3.0	0.0	57.6	136.7	A-H
88204	Tx. Agri. Exp. Sta.	W	W	85	103	44	15.5	22500	0.0	14.4	0.0	59.3	136.5	A-H
King 5114	Douglass W. King	R	Y	88	97	44	13.5	25750	1.9	1.0	0.0	55.5	134.8	B-H
ORO 180	ORO Hybrids	R	Y	85	98	41	12.8	24000	0.0	4.2	0.0	57.6	134.4	B-H
Check 3	Tx. Agri. Exp. Sta.			87	102	41	13.8	21750	0.0	2.3	0.0	57.5	134.4	B-H
S8645	Northrup King Co.	R	Y	85	97	37	12.6	25750	1.0	1.0	0.0	57.8	133.3	B-H
G-4500	Funk Seeds Int.	R	Y	84	95	36	12.5	23000	0.0	0.0	0.0	58.4	132.4	B-H
NC+ 5891	NC+ Hybrids	R	Y	84	94	35	12.4	24000	0.0	0.0	0.0	58.6	131.5	B-H
88205	Tx. Agri. Exp. Sta.	W	W	85	97	40	13.0	24250	1.0	0.0	0.0	57.8	130.5	B-H
T-E 6988	TAYLOR-EVANS SEED	R	Y	83	93	40	11.9	24250	0.0	0.0	1.0	57.1	130.3	B-H
G-4673B	Funk Seeds Int.	R	Y	85	97	38	13.1	24000	0.0	1.0	0.0	58.8	130.2	B-H
ST 7750	SEEDTEC INT.	R	Y	86	96	41	12.4	22750	0.0	1.1	0.0	57.6	129.9	B-H
88201	Tx. Agri. Exp. Sta.	W	Y	90	103	53	13.8	24500	1.0	10.2	0.0	54.4	129.8	B-H
Pioneer hybrid XC871	Pioneer Hi-Bred	P	Y	85	96	36	12.9	25500	0.0	0.0	0.0	59.2	129.7	B-H
TR 3303	Summit Seed Co.	R	Y	84	93	37	12.1	24500	0.0	0.0	0.0	56.1	129.5	B-H
84202	Tx. Agri. Exp. Sta.	P	Y	88	98	48	15.9	20000	1.2	8.7	0.0	56.5	129.3	B-H
T-E 6994	TAYLOR-EVANS SEED	R	Y	86	98	42	12.7	21750	0.0	5.7	0.0	57.2	126.7	C-H
G-4543	Funk Seeds Int.	R	Y	85	93	36	12.2	23250	0.0	0.0	0.0	59.0	124.6	D-H
7046X	Funk Seeds Int.	R	Y	88	98	37	13.2	23500	1.1	0.0	0.0	56.2	123.1	D-H
AgriPro AP 670	AgriPro Seeds	R	Y	84	94	34	12.3	20500	1.2	0.0	0.0	58.9	122.9	D-H
ORO 151	ORO Hybrids	R	Y	87	91	37	13.7	19250	0.0	0.0	0.0	57.6	122.6	D-H

TABLE 6A. CORN PERFORMANCE TEST; COLLEGE STATION, TEXAS 1988

HYBRID *	COMPANY OR BRAND NAME	COB COLOR **	GRAIN COLOR ***	DAYS TO 50% SILK	PLANT HT. IN.	EAR HT. IN.	MOIS- TURE %	PLANT POP. PER ACRE	% SMUT	% LODGED	% BROKEN	TEST WT. lb/bu	YIELD bu/A	STAT SIG. ****
T-E X-1322	TAYLOR-EVANS SEED	R	Y	87	94	39	12.6	22250	0.0	13.5	1.1	58.9	121.3	E-H
ST 7680	SEEDTEC INT.	R	Y	84	95	33	12.3	21750	1.1	0.0	0.0	58.2	121.2	E-H
T-E 6996	TAYLOR-EVANS SEED	R	Y	86	98	42	13.3	19500	1.3	7.7	0.0	59.3	120.9	E-H
F-3030	FRONTIER SEED CO.	R	Y	84	91	37	12.2	24750	0.0	0.0	0.0	56.7	120.0	E-H
King 4164F	Douglass W. King	W	Y	87	96	37	13.8	26500	0.0	53.8	0.0	59.4	119.9	E-H
ORO 271	ORO Hybrids	R	Y	90	92	44	13.4	27000	0.9	23.1	0.0	58.4	119.7	E-H
AgriPro 820	AgriPro Seeds	R	Y	85	97	40	12.3	22000	0.0	1.1	0.0	57.5	119.5	E-H
XP 9086	ASGROW SEED CO.	R	Y	86	100	39	11.8	24500	0.0	2.0	0.0	56.2	117.6	E-H
SG 8215	Garrison Seed Co.	R	Y	85	95	37	11.9	23000	0.0	0.0	0.0	56.4	115.0	F-H
SCR 1	Southern Corn Res.	R	Y	86	96	42	14.4	19500	0.0	28.2	1.3	59.4	115.0	F-H
Check 1	Tx. Agri. Exp. Sta.			89	95	41	11.7	25750	0.0	3.9	0.0	53.5	114.7	F-H
8830	Conlee Seed Co.	R	Y	86	97	38	12.2	21000	1.2	4.8	0.0	57.4	112.9	G-H
SG 8333	Garrison Seed Co.	R	Y	85	98	34	12.4	20750	0.0	2.4	0.0	59.0	111.9	G-H
8520	Conlee Seed Co.	R	Y	82	86	34	11.5	20750	0.0	0.0	0.0	58.3	108.2	H

TEST MEAN= 131.7 TEST C.V.= 13.2 LSD .05= 24.2

Note: Hybrid names starting or ending with an "X" denotes a commercial experimental. Those hybrids entered by the Texas Agricultural Experiment Station are either in the experimental stage or being tested as experimental check hybrids. Please contact respective seed companies for the availability of planting seed for the upcoming crop year.

* DeKalb DK711, Funks G-4673A and DeKalb DK689 were entered as commercial check hybrids at our discretion should be used for comparison purposes only.

** Cob Color: R=Red W=White P=Pink.

*** Grain Color: Y=Yellow W=White.

**** Duncan's multiple range test was used at the .05 level.

Table 6B. Three-year summary, Corn Performance Test, College Station, Texas.

HYBRID	COMPANY	1988		1987		1986	
		Rank	Yield	Rank	Yield	Rank	Yield
ORO EXP. 801X	ORO Hybrids	1	165.3	—	—	—	—
Pioneer® hybrid XC872	Pioneer Hi-Bred International, Inc.	2	159.9	—	—	—	—
Pioneer® hybrid 3110	Pioneer Hi-Bred International, Inc.	3	156.5	9	140.6	16	131.6
Pioneer® hybrid 3165	Pioneer Hi-Bred International, Inc.	4	152.2	6	144.9	1	158.5
S 7759	Northrup King Company	5	147.7	—	—	19	130.7
ORO 150	ORO Hybrids	6	147.0	13	138.1	—	—
8850	Conlee Seed Company, Inc.	7	145.6	—	—	—	—
King 4154A	Douglass W. King Company	8	144.6	—	—	—	—
NC+ 8085	NC+ Hybrids	9	141.1	—	—	—	—
ORO 190	ORO Hybrids	10	140.5	—	—	—	—
G-4666	Funk Seeds International	11	140.1	45	114.5	—	—
RX 892	ASGROW SEED COMPANY	12	139.1	5	148.1	32	122.2
Pioneer® hybrid 3140	Pioneer Hi-Bred International, Inc.	13	138.8	—	—	—	—
Pioneer® hybrid 3343	Pioneer Hi-Bred International, Inc.	14	138.6	—	—	—	—
Check 2	Tx. Agri. Exp. Sta.	15	138.1	—	—	—	—
8631	Conlee Seed Company, Inc.	16	137.8	30	123.8	—	—
NC+ 7507	NC+ Hybrids	17	137.5	38	117.3	—	—
RX 905	ASGROW SEED COMPANY	18	136.9	23	130.3	—	—
F-3040	FRONTIER SEED COMPANY	19	136.7	—	—	—	—
88204	Tx. Agri. Exp. Sta.	20	136.5	—	—	—	—
King 5114	Douglass W. King Company	21	134.8	—	—	—	—
ORO 180	ORO Hybrids	22	134.4	19	133.8	—	—
Check 3	Tx. Agri. Exp. Sta.	23	134.4	—	—	2	140.7
S 8645	Northrup King Company	24	133.3	—	—	—	—
G-4500	Funk Seeds International	25	132.4	33	121.5	—	—

Table 6B. College Station (Continued)

HYBRID	COMPANY	1988		1987		1986	
		Rank	Yield	Rank	Yield	Rank	Yield
NC+ 5891	NC+ Hybrids	26	131.5	48	112.7	--	--
88205	Tx. Agri. Exp. Sta.	27	130.5	--	--	--	--
T-E 6988	TAYLOR-EVANS SEED COMPANY	28	130.3	--	--	--	--
G-4673B	Funk Seed International	29	130.2	22	132.3	--	--
ST 7750	SEEDTEC INTERNATIONAL	30	129.9	--	--	--	--
88201	Tx. Agri. Exp. Sta.	31	129.8	--	--	--	--
Pioneer® hybrid XC871	Pioneer Hi-Bred Internaional	32	129.7	--	--	--	--
TR 3303	Summit Seed Company	33	129.5	36	120.3	9	136.1
84202	Tx. Agri. Exp. Sta.	34	129.3	7	144.8	24	127.1
T-E6994	TAYLOR-EVANS SEED COMPANY	35	126.7	20	133.7	7	136.7
G-4543	Funk Seed International	36	124.6	--	--	--	--
7046X	Funk Seed International	37	123.1	--	--	--	--
AgriPro AP670	AgriPro Seeds	38	122.9	--	--	--	--
ORO 151	ORO Hybrids	39	122.6	--	--	--	--
T-E X-1322	TAYLOR-EVANS SEED COMPANY	40	121.3	--	--	--	--
ST 7680	SEEDTEC INTERNATIONAL	41	121.2	--	--	--	--
T-E 6996	TAYLOR-EVANS SEED COMPANY	42	120.9	44	114.5	28	124.0
F-3030	FRONTIER SEED COMPANY	43	120.0	--	--	--	--
King 4164F	Douglass W. King Company	44	119.9	--	--	--	--
ORO 271	ORO Hybrids	45	119.7	--	--	--	--
AgriPro 820	AgriPro Seeds	46	119.5	--	--	--	--
XP 9086X	ASGROW SEED COMPANY	47	117.6	--	--	--	--
SG 8215	Garrison Seed & Company	48	115.0	50	102.9	26	125.7
SCR 1	Southern Corn Research	49	115.0	--	--	--	--
Check 1	Tx. Agri. Exp. Sta.	50	114.7	--	--	--	--

Table 6B. College Station (Continued)

HYBRID	COMPANY	1988		1987		1986	
		Rank	Yield	Rank	Yield	Rank	Yield
8830	Conlee Seed Company, Inc.	51	112.9	—	—	—	—
SG 8333	Garrison Seed & Company	52	111.9	47	113.3	—	—
8520	Conlee Seed Company, Inc.	53	108.2	—	—	48	115.3
Mo17 x B73	Tx. Agri. Exp. Sta.	—	—	2	156.6	47	116.4
86101	Tx. Agri. Exp. Sta.	—	—	4	150.8	20	129.3
86105	Tx. Agri. Exp. Sta.	—	—	12	138.5	60	101.9
RA 1502	Funk Seeds International	—	—	21	133.1	18	130.7
RX 860	ASGROW SEED COMPANY	—	—	26	128.5	46	118.7
COKER 8575	COKER'S PEDIGREED	—	—	31	123.4	33	121.7
202	Conlee Seed Company, Inc.	—	—	32	122.4	44	119.3
COKER 21	COKER'S PEDIGREED	—	—	35	120.5	4	138.4
T-E 6977	TAYLOR-EVANS SEED COMPANY	—	—	37	120.0	10	132.7
WAC 915	SEEDTEC INTERNATIONAL	—	—	41	115.2	12	132.3
WAC 920D	SEEDTEC INTERNATIONAL	—	—	46	113.5	51	114.0
Number Entries:		53		50		60	
Test Mean Yield:			131.7		129.2		124.2

Note: Hybrids with same yields were ranked by computer.

TABLE 7. AGRONOMIC AND TEST INFORMATION: THRALL

TEST:	1988 Dryland Corn Performance Test
LOCATION:	Stiles Farm Foundation, Thrall, Texas
COOPERATORS:	Cloyce Coffman, Dennis Pietsch, Randy Gaas, and Calvin Rinn
SOIL TYPE:	Branyon clay
ROW WIDTH:	38"
PREVIOUS CROP:	Grain Sorghum
LAND PREPARATION:	Shredded, disked, chiseled, and field cultivated
DATE PLANTED:	2-26-88, hand dropped behind a JD7300 Max-Emerge 2 planter, planted flat
PLOT LENGTH:	30'
FERTILIZER:	Knifed 460 lb/A of liquid 24-8-0 in center of furrow, preplant
HERBICIDE:	1 gal/A Eradicane Extra applied pre-plant incorporated + 1.25 qt/A AAtrex 4L (atrazine) broadcast pre-emerge
INSECTICIDE:	10 lb/A Dyfonate (fonofos) at planting
RAINFALL:	September 1987 = 2.6"; October 1987 = .40"; November 1987 = 2.40"; December 1987 = 4.2"; January = 1.1"; February = 1.7"; March = 0.90"; April = 1.00"; May = 3.60"; June = 3.40"; July = 1.20"; August = 1.20"; Total = 23.70" (-10.87" from normal yearly rainfall)
IRRIGATIONS:	None
DATE HARVESTED:	8-1-88, by hand
SIZE HARVESTED PLOT:	1/1,000 acre
TEST DESIGN:	Randomized block
NUMBER ENTRIES:	62
NUMBER REPLICATIONS:	4
NUMBER ROWS/PLOT:	1
MEAN PLANT POP.:	22,967 plants/A

TEST MEAN: 94.4 bu/A; yields corrected to 15.5% moisture

TEST C.V.: 16.2 percent

GENERAL INFORMATION: Good yields were achieved at this test site although weather conditions were not favorable during the growing season. An optimum planting date was secured but moisture at planting was marginal thus resulting in uneven seedling emergence and reduced plant stands in some plots. Periods of cold temperatures in March retarded early plant growth and development. The test block received only 1.9" of rainfall in March and April thus resulting in plant stress. Timely rainfall in May and June enabled plants to recover from stress, and final yields to be obtained.

Plant and ear heights were relatively short due to the drought conditions. Smut was not a problem in the test.

TABLE 7A. CORN PERFORMANCE TEST; THRALL, TEXAS 1988

HYBRID *	COMPANY OR BRAND NAME	COB COLOR **	GRAIN COLOR ***	DAYS TO 50% SILK	PLANT HT. IN.	EAR HT. IN.	MOISTURE %	PLANT POP. PER ACRE	% LODGED	% BROKEN	TEST WT. lb/bu	YIELD bu/A	STAT SIG. ****
Pioneer hybrid XC871	Pioneer Hi-Bred	P	Y	94	88	33	12.2	26333	1.3	0.0	58.1	119.8	A
Pioneer hybrid 3343	Pioneer Hi-Bred	P	Y	91	91	34	10.4	23333	0.0	0.0	55.4	115.1	A-B
Pioneer hybrid 3165	Pioneer Hi-Bred	R	Y	94	88	36	14.2	18667	0.0	0.0	58.2	114.1	A-C
RX 892	ASGROW SEED CO.	R	Y	92	86	34	11.5	24500	0.0	0.0	56.7	113.8	A-D
G-4666	Funk Seeds Int.	R	Y	94	89	32	11.5	26000	0.0	0.0	57.1	112.3	A-E
G-4500	Funk Seeds Int.	R	Y	93	91	33	10.7	25750	1.0	0.0	54.3	111.7	A-E
Pioneer hybrid XC872	Pioneer Hi-Bred	P	Y	91	89	29	11.4	23333	7.1	0.0	57.9	109.3	A-F
AgriPro AP670	AgriPro Seeds	R	Y	90	85	27	10.6	23667	0.0	0.0	56.8	108.0	A-G
TR 3303	Summit Seed Co.	R	Y	91	84	31	10.9	23667	0.0	0.0	54.1	107.3	A-G
ORO EXP.801X	ORO Hybrids	R	Y	95	89	37	12.3	22250	16.9	3.4	55.0	105.5	A-H
DK 711	DEKALB-PFIZER GEN.	P	Y	92	86	33	11.5	23500	1.1	1.1	57.0	105.5	A-H
DK 689	DEKALB-PFIZER GEN.	P	Y	95	82	34	12.7	24750	3.0	0.0	54.5	104.2	A-H
Check 1	Tx. Agri. Exp. Sta.			91	91	31	11.6	22667	1.5	0.0	55.6	104.1	A-H
88206	Tx. Agri. Exp. Sta.	W	W	93	91	33	12.7	27000	17.3	0.0	55.5	103.9	A-H
G-4543	Funk Seeds Int.	R	Y	90	85	29	10.6	27000	0.0	0.0	56.3	102.8	A-H
ST 7680	SEEDTEC INT.	R	Y	91	88	28	10.6	25250	0.0	0.0	56.0	101.6	A-I
88201	Tx. Agri. Exp. Sta.	W	Y	97	94	44	13.0	23250	16.1	0.0	54.9	101.5	A-I
AgriPro 820	AgriPro Seeds	R	Y	92	89	32	10.8	20000	0.0	0.0	55.6	100.6	A-I
Pioneer hybrid 3124	Pioneer Hi-Bred	R	Y	92	86	31	12.6	20500	0.0	0.0	58.6	100.6	A-I
Check 2	Tx. Agri. Exp. Sta.			93	89	36	10.8	23250	4.3	0.0	54.1	100.2	A-I
ORO 271	ORO Hybrids	R	Y	97	89	38	12.1	26000	0.0	0.0	57.4	100.2	A-I
S7759	Northrup King Co.	R	Y	93	86	33	10.5	26250	0.0	0.0	53.9	99.4	A-I
HS 60	HyPerformer Seed	R	Y	93	89	34	12.5	22500	0.0	1.1	57.6	99.4	A-I
7989	CARGILL HYBRIDS	R	Y	92	88	34	10.7	22000	1.5	1.5	53.9	98.9	A-I
Pioneer hybrid 3168	Pioneer Hi-Bred	R	Y	91	90	33	11.4	23500	0.0	3.2	58.1	98.7	A-I
HS 97	HyPerformer Seed	R	Y	94	85	32	11.8	23250	0.0	2.2	56.2	96.4	A-I
SG-8215	Garrison Seed & Co.	R	Y	93	87	31	10.6	21750	0.0	0.0	54.1	95.8	A-I
88204	Tx. Agri. Exp. Sta.	W	W	94	96	36	12.8	20000	21.2	1.2	58.2	95.0	A-I
McAllister 8410	BROWNING SEED INC.	R	Y	91	88	34	10.6	20667	0.0	0.0	55.4	95.0	A-I
ORO 151	ORO Hybrids	R	Y	93	89	29	11.4	22000	0.0	0.0	56.7	94.4	A-I
G-4673B	Funk Seeds Int.	R	Y	92	85	31	11.1	24750	4.0	0.0	54.1	94.0	A-I
HS 56	HyPerformer Seed	R	Y	91	81	28	11.6	23500	3.2	0.0	55.6	93.9	A-I
8850	Conlee Seed Co.	P	Y	91	85	32	11.0	24000	5.2	2.1	55.3	93.8	A-I
ORO 180	ORO Hybrids	R	Y	95	88	35	10.7	23250	1.1	0.0	53.6	93.5	A-I
T-E 6996	TAYLOR-EVANS SEED	R	Y	94	88	37	11.2	21333	1.6	0.0	57.0	93.4	A-I
King 5114	Douglass W. King	R	Y	95	91	39	11.4	20000	0.0	5.0	56.4	93.3	A-I
SX 352	CARGILL HYBRIDS	R	Y	90	86	30	10.6	23333	5.7	0.0	54.0	92.1	A-J
T-E 6988	TAYLOR-EVANS SEED	R	Y	90	85	30	10.3	21250	5.9	0.0	54.2	91.6	A-J
SG-8333	Garrison Seed & Co.	R	Y	92	93	28	10.7	23250	0.0	0.0	56.0	91.3	A-J
7993	CARGILL HYBRIDS	R	Y	90	81	29	10.6	23750	0.0	1.1	55.5	90.9	A-J

TABLE 7A. CORN PERFORMANCE TEST; THRALL, TEXAS 1988

HYBRID *	COMPANY OR BRAND NAME	COB COLOR **	GRAIN COLOR ***	DAYS TO 50% SILK	PLANT HT. IN.	EAR HT. IN.	MOISTURE %	PLANT POP. PER ACRE	% LODGED	% BROKEN	TEST WT. lb/bu	YIELD bu/A	STAT SIG. ****
F-3040	FRONTIER SEED CO.	P	Y	92	85	31	10.5	22333	0.0	1.5	53.7	90.8	A-J
Check 3	Tx. Agri. Exp. Sta.			91	85	31	10.5	22000	0.0	0.0	53.3	90.3	A-J
W-2160	George Warner Seed	R	Y	92	89	32	10.1	21667	0.0	1.5	55.5	90.2	A-J
ORO 190	ORO Hybrids	R	Y	91	82	27	10.5	24500	1.0	0.0	54.8	89.6	A-J
F-3030	FRONTIER SEED CO.	R	Y	92	85	30	10.3	26000	0.0	0.0	53.4	89.5	A-J
T-E 6994	TAYLOR-EVANS SEED	R	Y	95	90	37	11.0	22500	1.1	1.1	53.3	89.1	A-J
HS 64	HyPerformer Seed	R	Y	94	85	29	11.6	21750	0.0	1.1	56.5	88.5	B-J
84202	Tx. Agri. Exp. Sta.	P	Y	97	81	44	12.0	27000	3.7	3.7	52.9	86.3	B-J
EX 4119	GroAgri Seed Co.	R	Y	91	86	30	11.1	16333	0.0	0.0	56.2	85.6	B-J
ST 7750	SEEDTEC INT.	R	Y	93	86	32	10.2	24000	0.0	0.0	54.4	83.9	C-J
ORO 150	ORO Hybrids	R	Y	92	86	29	10.1	22000	0.0	0.0	53.2	83.7	C-J
8830	Conlee Seed Co.	R	Y	95	85	32	10.9	20667	4.8	8.1	55.6	83.0	D-J
King 4154A	Douglass W. King	R	Y	95	87	33	11.2	21750	0.0	0.0	55.8	83.0	D-J
Pioneer hybrid 3140	Pioneer Hi-Bred	P	Y	97	92	37	11.0	22000	1.1	1.1	54.7	81.9	E-J
PX 9581	Northrup King Co.	R	Y	92	84	31	11.2	21250	0.0	2.4	54.4	81.8	F-J
8840	Conlee Seed Co.	R	Y	98	90	32	10.8	22000	0.0	0.0	53.9	79.9	F-J
8520	Conlee Seed Co.	R	Y	90	80	29	9.9	23000	4.3	0.0	55.4	77.8	G-J
Pioneer hybrid 3110	Pioneer Hi-Bred	W	Y	96	89	32	11.3	21000	2.4	0.0	56.6	77.8	G-J
RX 905	ASGROW SEED CO.	R	Y	97	91	34	10.9	21000	0.0	0.0	55.0	77.5	G-J
ST 7625	SEEDTEC INT.	R	Y	93	89	26	10.1	26500	0.0	1.9	54.6	75.8	H-J
T-E 6951	TAYLOR-EVANS SEED	R	Y	93	85	27	10.5	25250	0.0	0.0	54.7	71.4	I-J
XP 9086	ASGROW SEED CO.	R	Y	95	89	34	10.6	20000	2.5	0.0	52.2	61.9	J

TEST MEAN= 94.5 TEST C.V.= 16.2 LSD .05= 21.3

Note: Hybrid names starting or ending with an "X" denotes a commercial experimental. Those hybrids entered by the Texas Agricultural Experiment Station are either in the experimental stage or being tested as experimental check hybrids. Please contact respective seed companies for the availability of planting seed for the upcoming crop year.

* Funks G-4673A, SeedTec WAC 915 and George Warner W-2192 were entered as commercial check hybrids at our discretion and should be used for comparison purposes only.

** Cob Color: R=Red W=White P=Pink.

*** Grain Color: Y=Yellow W=White.

**** Duncan's multiple range test was used at the .05 level.

Table 7B. Three-year summary, Corn Performance Test, Thrall, Texas.

HYBRID	COMPANY	1988		1987		1986	
		Rank	Yield	Rank	Yield	Rank	Yield
Pioneer® hybrid XC871	Pioneer Hi-Bred International, Inc.	1	119.8	—	—	—	—
Pioneer® hybrid 3343	Pioneer Hi-Bred International, Inc.	2	115.1	—	—	—	—
Pioneer® hybrid 3165	Pioneer Hi-Bred International, Inc.	3	114.1	14	117.9	1	105.4
RX 892	ASGROW SEED COMPANY	4	113.8	8	126.5	38	63.3
G-4666	Funk Seed International	5	112.3	32	107.5	—	—
G-4500	Funk Seed International	6	111.7	23	113.9	45	58.0
Pioneer® hybrid XC872	Pioneer Hi-Bred International, Inc.	7	109.3	—	—	—	—
AgriPro AP670	AgriPro Seeds	8	108.0	—	—	—	—
TR 3303	Summit Seed Company	9	107.3	38	102.9	35	64.4
ORO EXP. 801X	ORO Hybrids	10	105.5	—	—	—	—
DK 711	DEKALB-PFIZER GENETICS	11	105.5	4	131.9	—	—
DK 689	DEKALB-PFIZER GENETICS	12	104.2	11	120.0	—	—
CHECK 1	Tx. Agri. Exp. Sta.	13	104.1	20	114.8	7	86.7
88206	Tx. Agri. Exp. Sta.	14	103.9	—	—	—	—
G-4543	Funk Seeds International	15	102.8	—	—	—	—
ST 7680	SEEDTEC INTERNATIONAL	16	101.6	—	—	—	—
88201	Tx. Agri. Exp. Sta.	17	101.5	—	—	—	—
AgriPro 820	AgriPro Seeds	18	100.6	—	—	—	—
Pioneer® hybrid 3124	Pioneer Hi-Bred International, Inc.	19	100.6	—	—	—	—
CHECK 2	Tx. Agri. Exp. Sta.	20	100.2	9	124.8	41	60.2
ORO 271	ORO Hybrids	21	100.2	—	—	—	—
S7759	Northrup King Company	22	99.4	16	117.2	14	81.5
HS 60	HyPerformer Seed Company	23	99.4	—	—	—	—
7989	Cargill Hybrid Seeds	24	98.9	—	—	—	—
Pioneer® hybrid 3168	Pioneer Hi-Bred International, Inc.	25	98.7	—	—	—	—

Table 7B. Thrall (Continued)

HYBRID	COMPANY	1988		1987		1986	
		Rank	Yield	Rank	Yield	Rank	Yield
HS 97	HyPerformer Seed Company	26	96.4	-	-	-	-
SG 8215	Garrison Seed Company	27	95.8	43	94.6	34	65.2
88204	Tx. Agri. Exp. Sta.	28	95.0	-	-	-	-
McAllister 8410	BROWNING SEED, INC.	29	95.0	-	-	-	-
ORO 151	ORO Hybrids	30	94.4	-	-	-	-
G-4673B	Funk Seeds International	31	94.0	-	-	-	-
HS 56	HyPerformer Seed Company	32	93.9	12	119.7	-	-
8850	Conlee Seed Company, Inc.	33	93.8	-	-	-	-
ORO 180	ORO Hybrids	34	93.5	3	134.0	-	-
T-E 6996	TAYLOR-EVANS SEED COMPANY	35	93.4	37	104.1	4	92.3
King 5114	Douglass W. King Company	36	93.3	-	-	-	-
SX 352	Cargill Hybrid Seeds	37	92.1	-	-	-	-
T-E 6988	TAYLOR-EVANS SEED COMPANY	38	91.6	-	-	-	-
SG 8333	Garrison Seed & Company	39	91.3	25	113.3	-	-
7993	Cargill Hybrid Seeds	40	90.9	-	-	-	-
F-3040	FRONTIER SEED COMPANY	41	90.8	-	-	-	-
CHECK 3	Tx. Agri. Exp. Sta.	42	90.3	29	109.8	-	-
W-2160	George Warner Seed Company	43	90.2	-	-	-	-
ORO 190	ORO Hybrids	44	89.6	-	-	-	-
F-3030	FRONTIER SEED COMPANY	45	89.5	-	-	26	73.7
T-E 6904	TAYLOR-EVANS SEED COMPANY	46	89.1	22	114.4	28	71.5
HS 64	HyPerformer Seed Company	47	88.5	-	-	-	-
84202	Tx. Agri. Exp. Sta.	48	86.3	19	115.2	5	92.1
EX 4119	GroAgri Seed Company	49	85.6	-	-	-	-
ST 7750	SEEDTEC INTERNATIONAL	50	83.9	-	-	-	-

Table 7B. Thrall (Continued)

HYBRID	COMPANY	1988		1987		1986	
		Rank	Yield	Rank	Yield	Rank	Yield
ORO 150	ORO Hybrids	51	83.7	17	116.0	—	—
8830	Conlee Seed Company, Inc.	52	83.0	—	—	—	—
King 4154A	Douglass W. King	53	83.0	—	—	—	—
Pioneer® hybrid 3140	Pioneer Hi-Bred International, Inc.	54	81.9	—	—	—	—
PX 9581	Northrup King Company	55	81.8	—	—	—	—
8840	Conlee Seed Company, Inc.	56	79.9	—	—	—	—
8520	Conlee Seed Company, Inc.	57	77.8	—	—	—	—
Pioneer® hybrid 3110	Pioneer Hi-Bred International, Inc.	58	77.8	6	129.3	11	84.5
Rx 905	ASGROW SEED COMPANY	59	77.5	10	122.5	—	—
ST 7625	SEEDTEC INTERNATIONAL	60	75.8	—	—	—	—
T-E 6951	TAYLOR-EVANS SEED COMPANY	61	71.4	—	—	—	—
XP 9086X	ASGROW SEED COMPANY	62	61.9	—	—	—	—
2570	ASGROW SEED COMPANY	—	—	5	131.5	44	58.8
COKER 21	COKER'S PEDIGREED	—	—	15	117.4	23	75.3
T-E 6977	TAYLOR-EVANS SEED COMPANY	—	—	24	113.7	33	65.3
TR 4405	Summit Seed Company	—	—	39	100.4	8	86.4
Mo17 x B73	Tx. Agri. Exp. Sta.	—	—	40	96.0	31	68.7
WAC 920D	SEEDTEC INTERNATIONAL	—	—	44	91.6	24	74.7
COKER 8575	COKER'S PEDIGREED	—	—	45	91.4	16	80.4
Number Entries:		62		50		52	
Test Mean Yield:			94.5		111.1		72.7

Note: Hybrids with the same yields were ranked by computer.

TABLE 8. AGRONOMIC AND TEST INFORMATION: BARDWELL

TEST:	1988 Dryland Corn Performance Test
LOCATION:	Bob Beakley Farm, Bardwell, Texas
COOPERATORS:	Bob Beakley, Dennis Pietsch, A.J. Bockholt, Cloyce Coffman, and Roger Corbin
SOIL TYPE:	Houston black clay
ROW WIDTH:	36"
PREVIOUS CROP:	Cotton
LAND PREPARATION:	Shredded stalks, disked (2) and planted with JD 7100 Max-Emerge 2 Planter
DATE PLANTED:	2-25-88
PLOT LENGTH:	30'
FERTILIZER:	168-56-28; Applied 200 lb/A 14-28-14-4 (Fall 1987), 120 lb/A of 32-0-0 at planting, 200 lb/A of 32-0-0 + 1 qt/A zinc sidedress, 125 lb/A of 32-0-0 sidedress last cultivation
HERBICIDE:	Applied 1.0 qt/A Bicep (atrazine and metolachlor); pre-emerge on 18" band
INSECTICIDE:	6 lb/A Furadan (carbofuran) at planting
RAINFALL:	February = 2.6"; March = 3.70"; April = 0.60"; May = 2.1"; June = 3.00"; July = 2.00"; Total = 14.0"
IRRIGATIONS:	None
DATE HARVESTED:	Harvested by hand on 8-3-88; shelled and moistured on 8-4-88
SIZE HARVESTED PLOT:	1/1,000 acre
TEST DESIGN:	Randomized block
NUMBER ENTRIES:	64
NUMBER REPLICATIONS:	4
NUMBER ROWS/PLOT:	1
MEAN PLANT POP.:	23,568 plants/A
TEST MEAN:	125.3 lb/A; yields corrected to 15.5% moisture

TEST C.V.: 12.3 percent

GENERAL INFORMATION: Excellent yields were attained at this test site despite extended periods of hot and dry weather conditions in this area.

An optimum planting date was achieved but a freeze on 3-17 "froze back" plants to ground level. Warm weather followed thus allowing plants to recover without any reduction of stands.

Timely rainfall in May, June, and July contributed to the excellent yields. The test mean yield of 125.3 bu/A is 5bu/A less than the test mean yield of 130.3 bu/A in 1987.

TABLE 8A. CORN PERFORMANCE TEST; BARDWELL, TEXAS 1988

HYBRID *	COMPANY OR BRAND NAME	COB COLOR **	GRAIN COLOR ***	DAYS TO 50% SILK	PLANT HT. IN.	EAR HT. IN.	MOIS- TURE %	PLANT POP. PER ACRE	% SMUT	% LODGED	% BROKEN	TEST WT. lb/bu	YIELD bu/A	STAT SIG. ****
ORO EXP.801X	ORO Hybrids	R	Y	97	104	42	15.0	28333	0.0	1.2	0.0	56.5	172.9	A
Pioneer hybrid XC872	Pioneer Hi-Bred	P	Y	94	100	37	12.2	25000	0.0	0.0	0.0	59.0	161.4	A-B
Pioneer hybrid 3165	Pioneer Hi-Bred	R	Y	97	101	40	16.3	22667	0.0	0.0	0.0	58.5	158.4	A-C
88201	Tx. Agri. Exp. Sta.	W	Y	99	106	50	16.4	21500	0.0	0.0	0.0	56.5	155.0	A-D
88206	Tx. Agri. Exp. Sta.	W	W	94	99	43	17.0	20250	0.0	6.2	0.0	56.1	150.5	A-E
King 5114	Douglass W. King	R	Y	97	98	40	14.8	25333	0.0	7.9	0.0	56.1	150.5	A-E
Check 4	Tx. Agri. Exp. Sta.			97	100	38	12.8	26000	0.0	0.0	0.0	55.9	143.0	B-F
DK689	DEKALB-PFIZER GEN.	P	Y	97	93	40	13.0	25250	0.0	1.0	0.0	55.9	141.4	B-G
Pioneer hybrid 3343	Pioneer Hi-Bred	P	Y	93	94	34	10.6	28000	0.0	0.9	0.0	55.8	140.3	B-H
84202	Tx. Agri. Exp. Sta.	P	Y	98	106	50	13.6	23000	0.0	3.3	0.0	55.0	139.1	B-I
RX 905	ASGROW SEED CO.	R	Y	96	101	40	13.0	23000	0.0	0.0	0.0	57.1	139.1	B-I
AgriPro 820	AgriPro Seeds	R	Y	93	94	37	11.3	23750	0.0	0.0	0.0	55.9	138.3	B-J
G-4500	Funk Seeds Int.	R	Y	94	95	37	11.4	26500	0.0	0.0	0.0	55.1	134.3	B-K
88204	Tx. Agri. Exp. Sta.	W	W	97	104	44	15.6	23750	0.0	36.8	0.0	59.0	134.2	B-K
7993	CARGILL HYBRID	R	Y	94	93	34	11.4	27500	0.0	0.9	0.0	56.3	133.6	B-L
King 4154A	Douglass W. King	R	Y	94	97	39	13.7	23500	0.0	2.1	0.0	57.8	132.1	C-L
G-4666	Funk Seeds Int.	R	Y	94	97	35	12.2	23750	0.0	0.0	0.0	58.3	131.6	C-L
SX 352	CARGILL HYBRID	R	Y	93	93	38	12.7	20250	0.0	0.0	0.0	56.6	131.0	C-M
Pioneer hybrid XC871	Pioneer Hi-Bred	P	Y	96	96	36	11.7	25000	0.0	0.0	0.0	57.8	129.8	D-M
RX 892	ASGROW SEED CO.	R	Y	95	98	38	12.5	24250	0.0	3.1	0.0	55.6	129.6	D-M
EX 4119	GroAgri Seed Co.	R	Y	95	94	35	12.1	26000	0.0	0.0	0.0	57.4	129.5	D-M
Check 1	Tx. Agri. Exp. Sta.			99	100	44	14.4	23667	0.0	5.6	1.4	57.5	128.9	D-M
SCR 3	Southern Corn Res.	R	Y	98	97	37	13.5	23500	0.0	2.1	0.0	55.6	126.8	D-M
8850	Conlee Seed Co.	P	Y	93	90	29	12.6	25000	0.0	1.0	0.0	57.0	126.2	E-M
7989	CARGILL HYBRID	R	Y	93	96	37	12.2	23750	0.0	10.5	0.0	54.7	125.8	E-M
S 7759	Northrup King Co.	R	Y	94	94	36	11.5	23500	0.0	0.0	0.0	55.7	124.6	E-M
EX 4178	GroAgri Seed Co.	R	Y	93	88	34	11.5	24000	0.0	0.0	0.0	57.0	124.1	E-M
T-E 6988	TAYLOR-EVANS SEED	R	Y	94	92	39	11.0	24500	0.0	1.0	0.0	54.5	123.9	E-M
WAC 915	SEEDTEC INT.	R	Y	94	96	40	11.7	25000	0.0	6.7	0.0	55.0	123.4	E-M
AgriPro AP 670	AgriPro Seeds	R	Y	93	94	33	11.9	24000	0.0	1.0	0.0	57.4	122.9	E-M
McAllister 8410	BROWNING SEED CO.	R	Y	94	94	38	11.5	22250	0.0	2.2	0.0	55.3	122.6	E-M
RX 956W	ASGROW SEED CO.	W	W	97	96	40	15.7	23250	0.0	3.2	0.0	58.9	122.3	E-M
SG-8333	Garrison Seed Co.	R	Y	93	94	32	11.7	26750	0.0	0.9	0.0	57.5	122.0	E-M
Check 3	Tx. Agri. Exp. Sta.			94	94	35	12.2	24750	0.0	0.0	1.0	56.8	121.8	E-M
TR 3303	Summit Seed Co.	R	Y	94	93	38	11.6	22250	0.0	0.0	0.0	55.4	121.5	E-M
ST 7680	SEEDTEC INT.	R	Y	94	91	34	11.3	23750	0.0	0.0	0.0	56.6	121.5	E-M
ORO 190	ORO Hybrids	R	Y	93	90	29	11.6	23000	0.0	0.0	0.0	55.6	120.0	F-N
ORO 151	ORO Hybrids	R	Y	96	93	38	12.3	20500	0.0	0.0	0.0	56.0	119.7	F-N
PX 9540	Northrup King Co.	R	Y	94	92	33	11.6	24000	0.0	0.0	0.0	56.8	119.6	F-N

TABLE 8A. CORN PERFORMANCE TEST; BARDWELL, TEXAS 1988

HYBRID *	COMPANY OR BRAND NAME	COB COLOR **	GRAIN COLOR ***	DAYS TO 50% SILK	PLANT HT. IN.	EAR HT. IN.	MOIS- TURE %	PLANT POP. PER ACRE	% SMUT	% LODGED	% BROKEN	TEST WT. lb/bu	YIELD bu/A	STAT SIG. ****
ORO 180	ORO Hybrids	R	Y	95	94	36	11.8	23250	0.0	0.0	0.0	55.1	119.1	F-N
RX 895	ASGROW SEED CO.	W	Y	95	93	33	11.8	20333	0.0	8.2	0.0	58.5	118.3	F-N
G-4673B	Funk Seeds Int.	R	Y	96	93	35	11.6	23250	0.0	3.2	0.0	55.1	117.8	F-N
SCR 8	Southern Corn Res.	R	Y	94	94	35	12.6	22667	0.0	1.5	0.0	57.3	117.2	F-N
T-E X3217	TAYLOR-EVANS SEED	R	Y	93	92	30	12.0	22500	0.0	1.1	0.0	56.4	116.3	F-N
W-2160	George Warner Seed	R	Y	94	96	35	11.2	22000	0.0	0.0	0.0	56.3	115.7	F-N
8830	Conlee Seed Co.	R	Y	94	96	35	11.5	20250	0.0	1.2	0.0	56.9	114.4	F-N
Pioneer hybrid 3140	Pioneer Hi-Bred	P	Y	100	103	41	11.9	24000	0.0	0.0	0.0	55.6	114.2	F-N
Check 2	Tx. Agri. Exp. Sta.			99	99	38	11.4	22750	0.0	0.0	0.0	54.1	114.1	F-N
XP 9086	ASGROW SEED CO.	R	Y	96	101	33	12.7	24000	0.0	0.0	0.0	56.4	113.4	G-N
DK711	DEKALB-PFIZER GEN.	P	Y	95	91	31	11.9	24667	0.0	0.0	0.0	56.8	112.8	G-N
G-4543	Funk Seeds Int.	R	Y	93	96	35	12.6	19000	0.0	1.3	0.0	57.9	111.7	H-N
8840	Conlee Seed Co.	R	Y	97	98	36	11.7	23250	0.0	4.3	0.0	53.8	110.9	I-N
Pioneer hybrid 3124	Pioneer Hi-Bred	R	Y	94	93	35	11.8	28250	0.0	1.8	0.0	58.6	110.3	I-N
W-2192	George Warner Seed	R	Y	95	94	37	10.9	21500	0.0	1.2	0.0	52.7	109.2	J-N
T-E 6951	TAYLOR-EVANS SEED	R	Y	94	90	33	11.5	23250	0.0	0.0	0.0	56.6	109.1	J-N
SG-8215	Garrison Seed Co.	R	Y	95	96	37	11.7	21000	0.0	1.2	1.2	55.1	108.4	K-N
ORO 271	ORO Hybrids	R	Y	101	93	37	14.0	23000	0.0	2.2	0.0	57.6	108.3	K-N
ORO 150	ORO Hybrids	R	Y	94	92	36	10.9	21667	0.0	0.0	0.0	53.9	106.3	K-N
Pioneer hybrid 3168	Pioneer Hi-Bred	R	Y	93	96	32	11.6	22750	0.0	0.0	0.0	58.7	104.7	L-N
T-E 6996	TAYLOR-EVANS SEED	R	Y	97	95	40	11.2	23333	0.0	1.4	0.0	58.0	101.7	M-N
8520	Conlee Seed Co.	R	Y	92	86	32	10.8	20333	0.0	0.0	0.0	57.1	91.7	N

TEST MEAN= 125.3 TEST C.V.= 12.3 LSD .05= 23.0

Note: Hybrid names starting or ending with an "X" denotes a commercial experimental. Those hybrids entered by the Texas Agricultural Experiment Station are either in the experimental stage or being tested as experimental check hybrids. Please contact respective seed companies for the availability of planting seed for the upcoming crop year.

* Funks G-4673A, DeKalb DK 77W, Triumph 2020 and Pioneer hybrid 3144W were entered as commercial check hybrids at our discretion. They are intended to be used for comparison purposes only.

** Cob Color: R=Red W=White P=Pink.

*** Grain Color: Y=Yellow W=White.

**** Duncan's multiple range test was used at the .05 level.

Table 8B. Three-year summary, Corn Performance Test, Bardwell, Texas.

HYBRID	COMPANY	1988		1987		1986	
		Rank	Yield	Rank	Yield	Rank	Yield
ORO EXP.801X	ORO Hybrids	1	172.9	—	—	—	—
Pioneer® hybrid XC871	Pioneer Hi-Bred International, Inc.	2	161.4	—	—	—	—
Pioneer® hybrid 3165	Pioneer Hi-Bred International, Inc.	3	158.4	1	148.2	5	168.2
88201	Tx. Agri. Exp. Sta.	4	155.0	—	—	—	—
88206	Tx. Agri. Exp. Sta.	5	150.5	—	—	—	—
King 5114	Douglass W. King Company	6	150.5	—	—	—	—
CHECK 4	Tx. Agri. Exp. Sta.	7	143.0	16	137.9	33	157.3
DK 689	DEKALB-PFIZER GENETICS	8	141.4	4	141.8	—	—
Pioneer® hybrid 3343	Pioneer Hi-Bred International, Inc.	9	140.3	—	—	—	—
84202	Tx. Agri. Exp. Sta.	10	139.1	47	123.9	22	161.5
RX 905	ASGROW SEED COMPANY	11	139.1	2	144.9	—	—
AgriPro 820	AgriPro Seeds	12	138.3	—	—	—	—
G-4500	Funk Seeds International	13	134.3	22	135.4	6	168.1
88204	Tx. Agri. Exp. Sta.	14	134.2	—	—	—	—
7993	Cargill Hybrid Seeds	15	133.6	—	—	—	—
King 4154A	Douglass W. King Company	16	132.1	—	—	—	—
G-4666	Funk Seeds International	17	131.6	—	—	—	—
Sx 352	Cargill Hybrid Seeds	18	131.0	19	136.3	—	—
Pioneer® hybrid XC871	Pioneer Hi-Bred International, Inc.	19	129.8	—	—	—	—
RX 892	ASGROW SEED COMPANY	20	129.6	20	136.3	26	159.2
EX 4119	GroAgri Seed Company	21	129.5	—	—	—	—
CHECK 1	Tx. Agri. Exp. Sta.	22	128.9	—	—	—	—
SCR 3	Southern Corn Research	23	126.8	—	—	—	—
8850	Conlee Seed Company, Inc.	24	126.2	—	—	—	—
7989	Cargill Hybrid Seeds	25	125.8	13	138.5	—	—

Table 8B. Bardwell (Continued)

HYBRID	COMPANY	1988		1987		1986	
		Rank	Yield	Rank	Yield	Rank	Yield
S7759	Northrup King Company	26	124.6	5	141.6	2	173.3
EX 4178	GroAgri Seed Company	27	124.1	-	-	-	-
T-E 6988	TAYLOR-EVANS SEED COMPANY	28	123.9	-	-	-	-
WAC 915	SEEDTEC INTERNATIONAL	29	123.4	10	139.1	3	173.1
AgriPro AP670	AgriPro Seeds	30	122.9	-	-	-	-
McAllister 8410	BROWNING SEED, INC.	31	122.6	-	-	-	-
Rx956W	ASGROW SEED COMPANY	32	122.3	-	-	-	-
SG 8333	Garrison Seed & Company	33	122.0	27	133.3	-	-
CHECK 3	Tx. Agri. Exp. Sta.	34	121.8	-	-	-	-
TR 3303	Summit Seed Company	35	121.5	36	129.6	7	167.9
ST 7680	SEEDTEC INTERNATIONAL	36	121.5	-	-	-	-
ORO 190	ORO Hybrids	37	120.0	-	-	-	-
ORO 151	ORO Hybrids	38	119.7	-	-	-	-
PX 9540	Northrup King Company	39	119.6	53	121.8	-	-
ORO 180	ORO Hybrids	40	119.1	9	139.4	-	-
Rx 895	ASGROW SEED COMPANY	41	118.3	-	-	-	-
G-4673B	Funk Seeds International	42	117.8	24	134.7	-	-
SCR 8	Southern Corn Research	43	117.2	-	-	-	-
T-E X-3217	TAYLOR-EVANS SEED COMPANY	44	116.3	-	-	-	-
W-2160	George Warner Seed Company	45	115.7	-	-	-	-
8830	Conlee Seed Company, Inc.	46	114.4	-	-	-	-
Pioneer® hybrid 3140	Pioneer Hi-Bred International, Inc.	47	114.2	-	-	-	-
CHECK 2	Tx. Agri. Exp. Sta.	48	114.1	30	131.8	-	-
XP 9086X	ASGROW SEED COMPANY	49	113.4	-	-	-	-
DK711	DEKALB-PFIZER GENETICS	50	112.8	18	137.4	-	-

Table 8B. Bardwell (Continued)

HYBRID	COMPANY	1988		1987		1986	
		Rank	Yield	Rank	Yield	Rank	Yield
G-4543	Funk Seed International	51	111.7	—	—	—	—
8840	Conlee Seed Company, Inc.	52	110.9	—	—	—	—
Pioneer® hybrid 3124	Pioneer Hi-Bred International, Inc.	53	110.3	—	—	—	—
W-2192	George Warner Seed Company	54	109.2	43	124.4	—	—
T-E 6951	TAYLOR-EVANS SEED COMPANY	55	109.1	—	—	—	—
SG 8215	Garrison Seed & Company	56	108.4	58	115.5	15	164.6
ORO 271	ORO Hybrids	57	108.3	—	—	—	—
ORO 150	ORO Hybrids	58	106.3	45	124.1	—	—
Pioneer® hybrid 3168	Pioneer Hi-Bred International, Inc.	59	104.7	—	—	—	—
T-E 6996	TAYLOR-EVANS SEED COMPANY	60	101.7	25	134.4	28	158.3
8520	Conlee Seed Company, Inc.	61	91.7	—	—	—	—
Mo17 x B73	Tx. Agri. Exp. Sta.	—	—	12	138.6	47	148.5
2570	ASGROW SEED COMPANY	—	—	14	138.2	43	149.8
T-E 6994	TAYLOR-EVANS SEED COMPANY	—	—	15	137.9	45	148.8
GSC 2333	GroAgri Seed Company	—	—	21	136.0	27	158.8
GSC 2216	GroAgri Seed Company	—	—	26	133.7	32	157.4
WAC 920D	SEEDTEC INTERNATIONAL	—	—	32	130.0	16	164.3
PX 9584	Northrup King Company	—	—	37	129.6	14	165.1
RA 1502	Funk Seed International	—	—	39	126.8	21	161.6
Pioneer® hybrid 3110	Pioneer Hi-Bred International, Inc.	—	—	40	126.5	40	153.0
COKER 8625	COKER'S PEDIGREED	—	—	41	125.9	38	154.6
GSC 2212	GroAgri Seed Company	—	—	46	124.1	25	160.4
T-E 6977	TAYLOR-EVANS SEED	—	—	54	121.7	46	148.7
COKER 8575	COKER'S PEDIGREED	—	—	62	111.5	8	167.3

Table 8B. Bardwell (Continued)

HYBRID	COMPANY	1988		1987		1986	
		Rank	Yield	Rank	Yield	Rank	Yield
Number Entries:		61		62		52	
Test Mean Yield:			125.3		130.3		158.3

Note: Hybrids with the same yields were ranked by computer.

TABLE 9. AGRONOMIC AND TEST INFORMATION: DUMAS

TEST:	1988 Irrigated Corn Performance Test
LOCATION:	Dale Coleman Farm - Dumas, Texas
COOPERATORS:	Dale Coleman, Harold Grall, Dennis Pietsch, Kenneth Holloway, Cloyce Coffman, A. J. Bockholt and Randy Gaas
SOIL TYPE:	Sherman silty clay loam
ROW WIDTH:	30"
PREVIOUS CROP:	Corn
LAND PREPARATION:	Shredded, disked, ripped, disked, chiseled, fertilized, and disked prior to planting
DATE PLANTED:	4-22-88, by hand behind JD Max Emerge planter
PLOT LENGTH:	30'
FERTILIZER:	Applied 302 lb/A anhydrous ammonia prior to planting. Applied 33 units of N through center pivot system. Phosphorus was from a carry over of 20 tons/A manure which was applied in November, 1985.
HERBICIDE:	2.4 qt/A Bicep 6L through irrigation
INSECTICIDE:	1.5 pt/A Lorsban for rootworm in late June - early July, 9.6 oz/A Asana XL + 2 pt/A oil for corn borer in August
RAINFALL:	Rainfall was not recorded but rainfall during Spring of year was considered above normal. The test block received limited rainfall after July 1
IRRIGATIONS:	Nine timely irrigations were applied through center pivot for a total of 21.8"
DATE HARVESTED:	10-5&6-88
SIZE HARVESTED PLOT:	1/1,000 acre
TEST DESIGN:	Randomized block
NUMBER ENTRIES:	60
NUMBER REPLICATIONS:	4
NUMBER ROWS/PLOT:	2
MEAN PLANT POP.:	28,338 plants/A
TEST MEAN:	206.9 bu/A, yields corrected to 15.5% moisture
TEST C. V.:	8.8 percent

GENERAL INFORMATION: Excellent management, good plant stands and superb agronomic practices were contributing factors that resulted in outstanding yields at this test site. An optimum planting date was secured and good plant stands were achieved after the May 18 thinning date. The test block was planted in a circle and irrigated with a LEPA (Low Energy Precision Application) system. A pre-plant irrigation was not applied to the test block and only 21.8" of irrigation water was applied during the growing season. Herbicide and insecticides were applied at label rate thru the system at the appropriate times. Corn borer control was excellent.

The test mean yield was 206.9 bu/A with 45 hybrids producing over 200 bu/A. Caution should be used in interpreting percent lodge and broken plants. Those plants leaning more than 45 degrees or those plants that were broken below ear level but were not detached were classified as lodge. Those plants detached at ground level were classified as broken. Test weight was obtained from one replication that was brought back to College Station and air-dried. Test weights were also determined at the test site at harvest, but due to the high moisture content of some hybrids, a valid reading could not be obtained and did not reflect the true potential of that hybrid

TABLE 9A. CORN PERFORMANCE TEST; DUMAS, TEXAS 1988

HYBRID *	COMPANY OR BRAND NAME	COB COLOR **	GRAIN COLOR ***	DAYS TO 50% SILK	PLANT HT. IN.	EAR HT. IN.	MOIS- TURE %	PLANT POP. PER ACRE	% SMUT	% LODGED	% BROKEN	TEST WT. lb/bu ****	YIELD bu/A	STAT SIG. *****
G-4673B	Funk Seeds Int.	R	Y	87	114	51	23.1	31000	0.0	5.6	2.4	58.8	234.0	A
XP 9086 x	ASGROW SEED CO.	R	Y	88	122	49	25.1	28250	1.8	8.0	0.0	57.4	230.1	A-B
DK 656	DEKALB-PFIZER GEN.	P	Y	86	104	51	19.9	32000	0.8	17.2	1.6	59.4	229.4	A-C
DK 711	DEKALB-PFIZER GEN.	P	Y	87	105	48	22.5	32250	2.3	10.9	2.3	59.0	228.8	A-D
ORD 180	ORD Hybrids	R	Y	86	114	50	18.5	26750	0.0	19.6	0.9	57.8	224.7	A-E
AgriPro AP 670	AgriPro Seeds	R	Y	85	111	44	20.1	30500	0.0	12.3	0.8	59.8	223.4	A-E
7993	Cargill Hybrid	R	Y	86	110	44	20.5	28500	0.0	11.4	0.0	60.2	223.4	A-E
SCR 8	Southern Corn Res.	R	Y	87	116	49	23.5	26750	0.0	11.2	1.9	58.3	223.1	A-E
G-4626	Funk Seeds Int.	R	Y	87	118	47	20.9	30750	0.8	9.8	0.8	60.2	222.8	A-E
T-E 6988	TAYLOR-EVANS SEED	R	Y	86	104	51	20.3	30500	0.0	10.7	0.0	59.4	222.7	A-F
S 7759	Northrup King Co.	R	Y	86	107	53	19.3	30500	0.0	19.7	0.0	59.5	221.9	A-F
TR 3303	Summit Seed	R	Y	86	106	51	19.4	30750	0.0	17.9	1.6	59.3	221.4	A-G
Rx905	ASGROW SEED CO.	R	Y	88	120	55	23.7	27750	0.9	3.6	6.3	57.7	220.7	A-G
ST 7680	SEEDTEC INT.	R	Y	86	105	45	19.6	27000	0.0	10.2	0.9	59.8	220.3	A-H
Check 1	Tx. Agri. Exp. Sta.			86	110	46	17.7	27500	0.0	21.8	0.9	58.7	220.0	A-H
AgriPro 820	AgriPro Seeds	R	Y	86	109	48	18.7	29750	1.7	21.0	0.8	59.3	218.8	A-I
G-4513	Funk Seeds Int.	R	Y	86	113	47	20.0	30250	0.0	17.4	0.8	60.1	218.5	A-I
SX 2689	Hoegemeyer Hybrids	R	Y	87	106	50	18.9	29500	0.8	33.1	1.7	60.5	218.3	A-I
EX 4178	GroAgri Seed Co.	R	Y	85	105	50	19.9	31500	0.8	23.8	0.8	59.0	216.5	A-J
G-4500	Funk Seeds Int.	R	Y	87	108	51	19.8	28750	1.7	13.9	3.5	59.5	216.4	A-J
AgriPro AP 510	AgriPro Seeds	R	Y	86	111	45	19.5	32000	0.8	14.8	2.3	61.7	216.2	A-J
SG-8333	Garrison Seed & Co.	R	Y	87	116	45	22.6	27000	0.0	8.3	0.0	59.0	215.2	A-K
Pioneer hybrid 3124	Pioneer Hi-Bred	R	Y	86	113	52	22.5	29750	0.0	7.6	1.7	60.2	215.2	A-K
SX 2684	Hoegemeyer Hybrids	R	Y	87	106	48	19.7	32750	0.8	18.3	5.3	59.1	214.1	A-K
ORD 150	ORD Hybrids	R	Y	85	106	47	19.9	25750	1.0	6.8	2.9	59.1	212.2	A-K
2020	Triumph Seed Co.	R	Y	87	113	49	22.7	27750	0.0	8.1	0.9	59.5	211.5	A-K
T-E 6995	TAYLOR-EVANS SEED	R	Y	87	108	49	18.6	28250	3.5	16.8	0.0	58.4	211.2	A-K
SX 2673	Hoegemeyer Hybrids	R	Y	85	110	45	18.3	29000	0.0	25.9	0.9	59.0	211.1	A-K
PX 9540	Northrup King Co.	R	Y	86	109	45	19.7	32500	0.0	15.4	1.5	61.2	209.9	A-K
King 4154A	Douglass W. King	R	Y	87	114	53	22.1	28000	0.9	17.0	0.0	59.8	208.5	A-K
Pioneer hybrid 3168	Pioneer Hi-Bred	R	Y	85	110	47	20.2	28500	0.0	4.4	0.9	62.1	206.4	A-K
W-2192	George Warner Seed	R	Y	86	105	48	18.5	29750	0.0	25.2	0.0	58.0	205.8	A-K
Pioneer hybrid 3181	Pioneer Hi-Bred	R	Y	87	107	46	20.3	27500	0.0	10.0	0.0	60.2	205.2	A-L
Wilson 2300	Wilson Hybrids, Inc.	R	Y	87	118	49	23.5	27750	0.0	19.8	0.0	58.8	205.2	A-L
1595	Triumph Seed Co.	R	Y	85	109	49	18.6	27750	0.9	16.2	3.6	60.4	204.9	A-L
Rx 892	ASGROW SEED CO.	R	Y	86	112	51	20.0	29500	0.8	20.3	3.4	59.5	204.7	A-L
7877	Cargill Hybrid	R	Y	84	114	46	18.6	25000	0.0	8.0	0.0	59.1	204.4	A-L
8850	Conlee Seed Co.	P	Y	85	110	43	22.2	25750	0.0	9.7	1.9	60.1	203.2	A-L
W-2192-A	George Warner Seed	R	Y	87	109	49	18.8	31750	0.0	17.3	3.9	57.7	202.8	A-L

TABLE 9A. CORN PERFORMANCE TEST; DUMAS, TEXAS 1988

HYBRID *	COMPANY OR BRAND NAME	COB COLOR **	GRAIN COLOR ***	DAYS TO 50% SILK	PLANT HT. IN.	EAR HT. IN.	MOIS- TURE %	PLANT POP. PER ACRE	% SMUT	% LODGED	% BROKEN	TEST WT. lb/bu ****	YIELD bu/A	STAT SIG. *****
SCR 3	Southern Corn Res.	R	Y	90	115	55	21.1	32000	7.0	18.0	3.1	58.1	202.8	A-L
8520	Conlee Seed Co.	R	Y	83	98	44	16.4	27000	0.0	12.0	0.9	61.2	202.7	A-L
ORO 190	ORO Hybrids	R	Y	85	106	41	20.6	28250	0.0	16.8	0.0	60.4	202.6	A-L
9427	Cargill Hybrid	W	Y	87	123	54	23.9	22500	1.1	12.2	0.0	58.4	202.0	A-M
8631	Conlee Seed Co.	W	Y	86	112	46	19.8	27500	0.9	18.2	0.9	61.0	201.5	A-M
T-E X-3217	TAYLOR-EVANS SEED	R	Y	85	109	41	20.5	30250	0.0	22.3	0.0	59.1	201.4	A-M
ST 7625	SEEDTEC INT.	R	Y	87	120	46	20.4	28250	0.0	13.3	2.7	60.7	199.5	B-N
HS 60	HyPerformer Seed	R	Y	87	115	48	21.5	26250	1.0	14.3	2.9	59.3	197.2	C-N
T-E 6951	TAYLOR-EVANS SEED	R	Y	86	108	44	20.6	26750	0.0	14.0	1.9	60.0	196.6	D-N
ORO 271	ORO Hybrids	R	Y	91	117	61	26.3	28500	0.9	14.0	1.8	56.9	195.6	E-N
T-E X-7340	TAYLOR-EVANS SEED	R	Y	83	101	46	19.1	29750	0.0	28.6	0.0	56.9	194.3	E-N
8840	Conlee Seed Co.	R	Y	88	114	51	22.0	25500	1.0	17.6	3.9	57.7	190.1	F-N
8830	Conlee Seed Co.	R	Y	89	118	49	23.3	22500	0.0	4.4	0.0	58.1	189.1	G-N
HS 64	HyPerformer Seed	R	Y	87	118	48	22.0	29000	1.7	12.9	1.7	58.8	187.9	H-N
SG-8215	Garrison Seed & Co.	R	Y	86	104	48	20.3	24750	1.0	21.2	2.0	59.4	187.3	I-N
SX 352	Cargill Hybrid	R	Y	85	107	47	18.7	23750	0.0	9.5	1.1	59.8	185.7	J-N
W-2160	George Warner Seed	R	Y	88	114	45	22.4	28750	0.0	3.5	1.7	58.4	183.6	K-O
HS 56	HyPerformer Seed	R	Y	85	103	44	19.9	25000	1.0	16.0	2.0	58.8	173.7	L-O
King 5114	Douglass W. King	R	Y	91	115	59	20.9	26500	7.5	13.2	0.9	57.7	170.9	M-O
88201y	Tx. Agri. Exp. Sta.	W	Y	90	127	66	25.6	25750	1.0	11.7	1.9	57.3	169.3	N-O
HS 97	HyPerformer Seed	R	Y	87	113	49	21.9	25250	0.0	13.9	0.0	58.8	156.2	O

TEST MEAN= 206.9 TEST C.V.= 8.8 LSD .05= 25.6

Note: Hybrid names starting or ending with an "X" denotes a commercial experimental. Those hybrids entered by the Texas Agricultural Experiment Station are either in the experimental stage or being tested as experimental check hybrids. Please contact respective seed companies for the availability of planting seed for the upcoming crop year.

* Pioneer Hybrid 3377 was entered as a commercial check hybrid at our discretion should be used for comparison purposes only.

** Cob Color: R=Red W=White P=Pink.

*** Grain Color: Y=Yellow W=White.

**** Test weight was obtained from one replication that was brought back to College Station and air-dried. A bushel weight was obtained from three replications at harvest time but due to high moisture of some hybrids a valid reading could not be obtained. If you desire the bushel weight at harvest, please contact us.

***** Duncan's multiple range test was used at the .05 level.

Table 9B. Three-year summary, Corn Performance Test, Dumas, Texas.

HYBRID	COMPANY	1988		1987 ¹		1986 ¹	
		Rank	Yield	Rank	Yield	Rank	Yield
G-4673B	Funk Seeds International	1	234.0	2	155.8	—	—
XP 9086X	ASGROW SEED COMPANY	2	230.1	—	—	—	—
DK 656	DEKALB-PFIZER GENETICS	3	229.4	—	—	—	—
DK711	DEKALB-PFIZER GENETICS	4	228.8	51	123.4	—	—
ORO 180	ORO Hybrids	5	224.7	61	113.5	—	—
AgriPro AP670	AgriPro Seeds	6	223.4	—	—	—	—
7993	Cargill Hybrid Seeds	7	223.4	—	—	—	—
SCR 8	Southern Corn Research	8	223.1	—	—	—	—
G-4626	Funk Seeds International	9	222.8	28	132.7	—	—
T-E 6988	TAYLOR-EVANS SEED COMPANY	10	222.7	14	138.5	17	197.7
S7759	Northrup King Company	11	221.9	18	136.8	8	207.2
TR3303	Summit Seed Company	12	221.4	6	141.5	49	176.0
Rx 905	ASGROW SEED COMPANY	13	220.7	24	134.1	—	—
ST 7680	SEEDTEC INTERNATIONAL	14	220.3	—	—	—	—
CHECK 1	Tx. Agri. Exp. Sta.	15	220.0	22	134.9	—	—
AgriPro 820	AgriPro Seeds	16	218.8	—	—	—	—
G-4513	Funk Seeds International	17	218.5	—	—	—	—
SX 2689	Hoegemeyer Seed Company	18	218.3	—	—	—	—
EX 4178	GroAgri Seed Company	19	216.5	—	—	—	—
G-4500	Funk Seeds International	20	216.4	32	130.7	—	—
AgriPro AP510	AgriPro Seeds	21	216.2	—	—	—	—
SG 8333	Garrison Seed & Company	22	215.2	1	164.6	—	—
Pioneer® hybrid 3124	Pioneer Hi-Bred International, Inc.	23	215.2	4	147.3	—	—
SX 2684	Hoegemeyer Seed Company	24	214.1	45	125.1	1	215.7
ORO 150	ORO Hybrids	25	212.2	19	136.6	—	—

Table 9B. Dumas (Continued)

HYBRID	COMPANY	1988		1987		1986	
		Rank	Yield	Rank	Yield	Rank	Yield
2020	Triumph Seed Company	26	211.5	-	-	-	-
T-E 6995	TAYLOR-EVANS SEED	27	211.2	44	126.0	28	190.1
SX 2673	Hoegemeyer Seed Company	28	211.1	-	-	-	-
Px 9540	Northrup King Company	29	209.9	-	-	-	-
King 4154A	Douglass W. King Company	30	208.5	-	-	-	-
Pioneer® hybrid 3168	Pioneer Hi-Bred International, Inc.	31	206.4	-	-	-	-
W-2192	George Warner Seed Company	32	205.8	57	119.1	-	-
Pioneer® hybrid 3181	Pioneer Hi-Bred International, Inc.	33	205.2	16	137.5	-	-
Wilson 2300	Wilson Hybrids, Inc.	34	205.2	-	-	-	-
1595	Triumph Seed Company	35	204.9	10	139.8	-	-
Rx892	ASGROW SEED COMPANY	36	204.7	-	-	-	-
7877	Cargill Hybrid Seeds	37	204.4	13	138.7	-	-
8850	Conlee Seed Company, Inc.	38	203.2	-	-	-	-
W-2192-A	George Warner Seed Company	39	202.8	7	141.1	-	-
SCR 3	Southern Corn Research	40	202.8	-	-	-	-
8520	Conlee Seed Company, Inc.	41	202.7	-	-	-	-
ORO 190	ORO Hybrids	42	202.6	-	-	-	-
9427R	CARMEX	43	202.0	-	-	-	-
8631	Conlee Seed Company, Inc.	44	201.5	62	112.2	-	-
T-E X-3217	TAYLOR-EVANS SEED COMPANY	45	201.4	-	-	-	-
ST 7625	SEEDTEC INTERNATIONAL	46	199.5	12	139.0	-	-
HS60	HyPerformer Seed Company	47	197.2	-	-	-	-
T-E 6951	TAYLOR-EVANS SEED COMPANY	48	196.6	-	-	-	-
ORO 271	ORO Hybrids	49	195.6	-	-	-	-
T-E X-7340	TAYLOR-EVANS SEED COMPANY	50	194.3	-	-	-	-

Table 9B. Dumas (Continued)

HYBRID	COMPANY	1988		1987		1986	
		Rank	Yield	Rank	Yield	Rank	Yield
8840	Conlee Seed Company, Inc.	51	190.1	—	—	—	—
8830	Conlee Seed Company, Inc.	52	189.1	—	—	—	—
HS64	HyPerformer Seed Company	53	187.9	—	—	—	—
SG 8215	Garrison Seed Company	54	187.3	49	124.1	16	198.3
SX 352	Cargill Hybrid Seeds	55	185.7	—	—	—	—
W-2160	George Warner Seed Company	56	183.6	—	—	—	—
HS56	HyPerformer Seed Company	57	173.7	—	—	—	—
King 5114	Douglass W. King Company	58	170.9	—	—	—	—
88209Y	Tx. Agri. Exp. Sta.	59	169.3	—	—	—	—
HS 97	HyPerformer Seed Company	60	156.2	—	—	—	—
GSC 2212	GroAgri Seed Company	—	—	8	140.9	43	179.6
7900	Jacques Seed Company	—	—	11	139.4	11	204.0
8344	Garst Seed Company	—	—	17	137.1	42	182.3
T-E 6977	TAYLOR-EVANS SEED COMPANY	—	—	21	135.0	53	170.6
7990	Cargill Hybrid Seeds	—	—	23	134.6	5	210.7
8388	Garst Seed Company	—	—	25	133.9	47	177.0
GSC 2216	GroAgri Seed Company	—	—	26	133.0	27	190.2
F-3040	FRONTIER SEED COMPANY	—	—	27	132.8	24	192.2
WAC 915	SEEDTEC INTERNATIONAL	—	—	29	132.1	3	211.4
WAC 920D	SEEDTEC INTERNATIONAL	—	—	37	129.8	19	197.4
971	Cargill Hybrid Seed	—	—	40	128.4	12	203.5
Mo17 x B73	Tx. Agri. Exp. Sta.	—	—	43	126.0	33	187.6
G-4635	Funk Seeds International	—	—	48	124.2	50	174.4
8210	Jacques Seed Company	—	—	50	123.7	30	188.4
SX 2687	Hoegemeyer Hybrids	—	—	55	121.3	66	139.3

Table 9B. Dumas (Continued)

HYBRID	COMPANY	1988		1987		1986	
		Rank	Yield	Rank	Yield	Rank	Yield
SX 2680	Hoegemeyer Hybrids	-	-	58	116.9	29	188.8
202	Conlee Seed Company, Inc.	-	-	59	115.2	62	152.3
86103	Tx. Agri. Exp. Sta.	-	-	67	92.6	35	186.1
8990	Cargill Hybrid Seeds	-	-	68	85.7	59	160.8
Number Entries:		60		70		67	
Test Mean Yield:		206.9		127.2		184.2	

Note: Hybrids with the same yields were ranked by computer.

¹ The 1986-87 tests were conducted on the North Plains Research Field near Etter.

SUPPLEMENT

This section contains results from supplementary corn tests conducted at Halfway, Texas. Although tests are not official performance test sites evaluated under project 1418, results may be used as necessary to determine the adaptability of hybrids in this area.

TABLE S1. AGRONOMIC AND TEST INFORMATION: BEAUMONT, TEXAS, 1988

TEST:	Corn Performance Test
LOCATION:	Texas Agricultural Experiment Station, Beaumont
COOPERATOR:	John W. Sij
SOIL TYPE:	Bernard-Morey silt loam
ROW WIDTH:	32"
PREVIOUS CROP:	Winter wheat
LAND PREPARATION:	Disked and bedded into rows
DATE PLANTED:	3-22-88
PLOT LENGTH:	20'
FERTILIZER:	160-40-24 on 3-11-88
HERBICIDE:	3 pt/A AAtrex 4L and 2 pt/A Dual 8E
INSECTICIDE:	10 lb/A Furadan 15G on 3-22-88
RAINFALL:	March = 4.40"; April = 1.53"; May = 0.93"; June = 3.50"; July = 4.82"; July = 4.82"; August = 4.40"; Total = 19.58"
IRRIGATIONS:	None
DATE HARVESTED:	8-10-88
SIZE HARVESTED PLOT:	0.001 acres
TEST DESIGN:	Randomized complete block
NUMBER ENTRIES:	24
NUMBER REPLICATIONS:	4
NUMBER ROWS/PLOT:	2
MEAN PLANT POP.:	28,500 plants/A
TEST MEAN:	94.8 bu/A (yields adjusted to 13% moisture)
LSD (0.1):	17.8 bu/A
TEST C.V.:	16.0%

TABLE S2. CORN PERFORMANCE TEST: Beaumont, Texas, 1988

HYBRID	COMPANY OR BRAND NAME	COB COLOR *	GRAIN COLOR **	DAYS TO 50% SILK	PLANT POP. PER AC.	PLANT HT. (in)	EAR HT. (in)	BROKEN PLANTS (%)	EARWORM DAMG.+ (1-5)	EAR++ QUAL. (1-5)	TEST WT. (lb/bu)	YIELD (bu/A)
DK-711	Dekalb-Pfizer	R	Y	74	26400	88	27	3	3.0	1.8	58.3	114.9
Pioneer 3343	Pioneer Hi-Bred	R	Y	75	27500	94	30	4	3.7	2.7	55.3	109.0
G-4666	Funk Seeds	R	Y	74	29300	86	30	0	2.7	2.7	57.3	108.2
DK-689	Dekalb-Pfizer	R	Y	75	27500	89	31	1	2.0	2.2	56.0	104.9
7993	Cargill	R	Y	71	29300	83	26	0	3.7	3.0	57.0	104.1
RX 892	Asgrow Seed	R	Y	72	25200	88	29	0	3.0	2.2	56.2	99.9
WAC 915	SeedTec Int.	R	Y	73	27500	89	26	5	3.5	2.2	55.8	98.6
G-4673B	Funk Seeds	R	Y	72	27900	80	26	0	3.2	2.5	56.9	98.0
TR 4405	Summitt	R	Y	75	29500	91	29	4	2.7	3.0	56.1	97.1
TR 3303	Summitt	R	Y	71	29700	85	29	1	3.2	2.5	55.7	97.0
PX 9646	Northrup King	R	Y	76	30500	94	24	3	2.7	2.7	58.3	96.8
W-2160	George Warner	R	Y	73	30300	85	30	0	3.5	4.0	55.7	96.8
ORO 180	ORO Hybrids	R	Y	74	30500	86	28	1	3.0	3.0	54.7	96.6
S8505	Northrup King	R	Y	74	27500	88	25	1	2.7	2.5	56.1	96.1
ST 7625	SeedTec Int.	R	Y	72	29500	95	24	0	3.0	3.5	57.0	94.5
SX 352	Cargill	R	Y	71	28900	83	30	3	3.2	2.7	55.1	93.6
NC+ 5891	NC+ Hybrids	R	Y	71	28500	79	28	0	3.2	3.0	57.8	93.0
T-E 6994	Taylor-Evans	R	Y	74	26800	89	29	4	3.0	2.2	54.5	92.3
Kings 5114	Dougllass King	R	Y	76	28700	85	29	0	3.2	2.5	54.9	91.5
SG-8333	Garrison Seed	R	Y	71	29100	90	27	1	3.5	3.0	57.7	91.5
T-E 6996	Taylor-Evans	R	Y	74	28700	85	30	9	3.0	2.5	58.4	85.8
NC+ 6414	NC+ Hybrids	R	Y	71	27900	82	26	0	3.7	3.2	54.0	82.4
ORO 190	ORO Hybrids	R	Y	73	27000	80	23	0	3.5	3.2	56.6	74.8
Pioneer 3110	Pioneer Hi-Bred	W	Y	77	29700	86	27	0	3.2	4.0	57.0	58.0

* COB COLOR: R = red, W = white

** GRAIN COLOR: Y = yellow

+ EARWORM DAMAGE: 1 = no damage, 5 = severe damage

++ EAR QUALITY: 1 = excellent, 5 = very poor

TABLE S3. AGRONOMIC AND TEST INFORMATION: HALFWAY, TEXAS
Supplementary Corn Test

TITLE: Corn grain hybrid performance test at the Texas Agricultural Experiment Station, Halfway, Texas, 1988.

AUTHORS: N. E. Wuthrich, G. C. Peterson, D. T. Rosenow, respectively Research Associate, Assistant Professor, Professor.

SUMMARY: Forty-five hybrids were evaluated for grain yield and other agronomic traits. The average grain yield was 12281 lbs/A. Yields ranged from 9,978 to 13,837 lbs/A.

METHODS & MATERIALS:

Experimental Design: Randomized complete block with four replications
Plot Size: 13.3 ft (4 beds) x 30 ft
Row Spacing: Single row on 40-inch spaced beds
Soil Type: Pullman clay loam
Previous Crop: Millet
Fertilizer: 12.8 tons/A manure, 77 lbs/A P and 21 lbs/A N 10-34-0 sidedressed May 6, 195 lbs N/A as anhydrous ammonia
Herbicide: 1 lb ai/A Dual and 1 lb ai/A Atrazine, 1/2 lb ai/A Prowl layby
Insecticide: 1 lb ai/A Counter at planting, .036 lb ai/A Asana and .33 lb ai/A Dimethoate Aug 16 for Southwestern corn borer and Banks grass mite
Irrigations: Mar 9 preplant; 3.9", 3.6", 2.9", 2.4", 2.8", 2.3", and 2.2" . Applied 6-9, 6-20, 7-6, 7-16, 7-25, 8-1, 8-11
Planting Date: April 15
Plant Population: See Table 1.
Harvest Date: Sept 28, 29

RESULTS &

DISCUSSION: Table S4 contains all agronomic data recorded in 1988. Excellent yields were produced in this test. Timely irrigation and rainfall resulted in high yields.

Humid weather in July and August helped control spider mites. Winds accompanying rain in August resulted in lodging. Nearly all the broken plant damage was due to the Southwestern corn borer. Loss due to crop pests was minimal.

Plots, including ears from lodged plants, were harvested with a 4-row plot combine equipped with a corn saver head. Grain yields were adjusted to 15.5% after harvest.

TABLE S4. Grain yield and other agronomic data for 45 corn grain hybrids evaluated for grain production at the Texas Agricultural Experiment Station, Halfway, Texas, 1988.

COMPANY OR BRAND NAME	HYBRID DESIGNATION	YIELD IN lb/A *	DUNCAN'S MRT AT 5% LEVEL **	YIELD IN bu/A ***	DAYS TO SILK ****	PLANT HEIGHT (IN)	MOISTURE %	BROKEN PLANTS % *****	LODGED PLANTS %	PLANT POP. PER ACRE
Asgrow/O'S Gold	XP9086	13837	A	247.1	84	122	17.9	2.3	7.3	31282
Garst	8315	13735	A-B	245.3	87	119	17.3	3.3	6.3	30438
Seedco	SC119	13434	A-C	239.9	88	116	17.0	3.8	3.7	30601
Conlee	8850	13294	A-D	237.4	80	113	17.5	2.5	2.0	31390
Northrup King	PX9540	13178	A-E	235.3	81	111	17.7	1.8	1.9	32779
Asgrow/O'S Gold	RX892	13158	A-F	235.0	80	118	17.8	1.1	4.7	31880
Triumph	TRX8229	13095	A-G	233.8	80	108	16.2	1.4	0.3	30819
Funk	G-4673B	13083	A-G	233.6	82	113	17.7	2.5	11.7	30356
Triumph	2020	13032	A-H	232.7	83	118	17.7	2.3	0.0	31554
Asgrow/O'S Gold	RX905	12930	A-I	230.9	85	119	18.2	3.0	2.0	29158
Cargill	7877	12887	A-J	230.1	80	118	17.6	1.5	4.7	30655
DeKalb Pfizer	DK 711	12810	A-K	228.8	83	116	17.6	3.8	8.7	30301
Cargill	7990	12778	A-K	228.2	82	118	18.3	2.5	8.3	30220
Northrup King	S7759	12717	A-K	227.1	82	112	18.3	2.3	17.3	31390
GroAgri	EX4715	12645	A-L	225.8	82	117	18.0	4.8	3.7	31309
Funk	G-4500	12625	A-L	225.4	82	117	18.2	1.5	4.7	26817
Asgrow/O'S Gold	2570	12573	A-M	224.5	83	117	17.8	4.3	7.0	31118
Pioneer Hybrid	3168	12528	B-N	223.7	81	116	17.3	1.8	0.4	23931
Frontier	F-3030	12512	B-N	223.4	82	113	17.7	2.9	16.7	31418
Funk	G-4513	12439	B-N	222.1	81	112	18.5	2.0	1.8	30628
Cargill	9427	12421	B-N	221.8	83	123	17.9	3.0	13.3	25074
Summit	TR3303	12382	C-N	221.1	82	117	17.5	3.0	8.3	28967
Seedco	SC123	12374	C-N	221.0	85	118	18.4	3.3	0.3	27661
Frontier	F-3040	12369	C-N	220.9	81	116	18.1	1.5	2.4	31227
Funk	G-4626	12330	C-N	220.2	80	120	18.2	2.3	0.4	31309
Triumph	1595	12290	C-O	219.5	81	117	17.9	1.5	3.3	29702
Conlee	8830	12226	C-O	218.3	84	117	18.0	1.8	0.0	30356
Warner	W-2160	12200	C-O	217.9	82	119	17.6	1.2	0.2	29512
Taylor-Evans	T-E 6998	12024	D-O	214.7	81	114	17.7	4.8	16.3	29321
Triumph	TRX8326	11977	D-P	213.9	81	115	17.4	1.0	0.3	30356
Northrup King	S8505	11941	E-P	213.2	85	120	18.1	2.0	1.3	29022
Warner	W-2192A	11829	F-P	211.2	80	112	18.3	1.1	1.7	31989
Cargill	7993	11779	G-P	210.3	81	109	18.4	1.1	0.7	30056
SeedTec	ST-7680	11715	H-P	209.2	81	109	18.2	1.6	0.4	29757
SeedTec	ST-7711	11663	I-P	208.3	82	119	18.0	3.7	4.7	26871
Pioneer Hybrid	3379	11657	I-P	208.2	79	113	16.0	1.3	0.3	26163
Seedco	SC115	11564	J-P	206.5	81	117	18.3	1.5	6.3	24285

TABLE S4. Grain yield and other agronomic data for 45 corn grain hybrids evaluated for grain production at the Texas Agricultural Experiment Station, Halfway, Texas, 1988.

COMPANY OR BRAND NAME	HYBRID DESIGNATION	YIELD IN lb/A *	DUNCAN'S MRT AT 5% LEVEL **	YIELD IN bu/A ***	DAYS TO SILK ****	PLANT HEIGHT (IN)	MOISTURE %	BROKEN PLANTS % *****	LODGED PLANTS %	PLANT POP. PER ACRE
Taylor-Evans	T-E 6951	11529	K-P	205.9	81	111	17.1	2.0	2.1	21998
Asgrow/O'S Gold	RX895	11376	L-P	203.1	81	118	17.7	6.3	9.3	31772
Garrison	SG 8215	11364	L-P	202.9	82	110	17.9	0.8	14.7	23114
Cargill	SX 352	11289	M-P	201.6	81	111	18.0	2.3	2.7	28641
Triumph	2035	11214	N-P	200.2	82	117	17.6	1.3	0.1	22815
Conlee	8631	11009	O-Q	196.6	80	117	18.0	1.9	2.3	25238
Funk	G-4620	10724	P-Q	191.5	82	119	17.9	4.5	11.7	28858
Garrison	SG 8333	9978	Q	178.2	80	117	17.5	1.6	0.3	20174

TEST MEAN= 219.3 bu/A

TEST C.V. = 6.2

LSD .05 =18.9

* Adjusted to 15.5% moisture

** Any two hybrids having a common letter are not significantly different at the 0.05 probability level.

*** lb/A /56=bu/A

**** Number of days from planting until first silk

***** Percent broken plants below the ear

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