11-1997

1997 Crop Performance Trials: Corn

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C253

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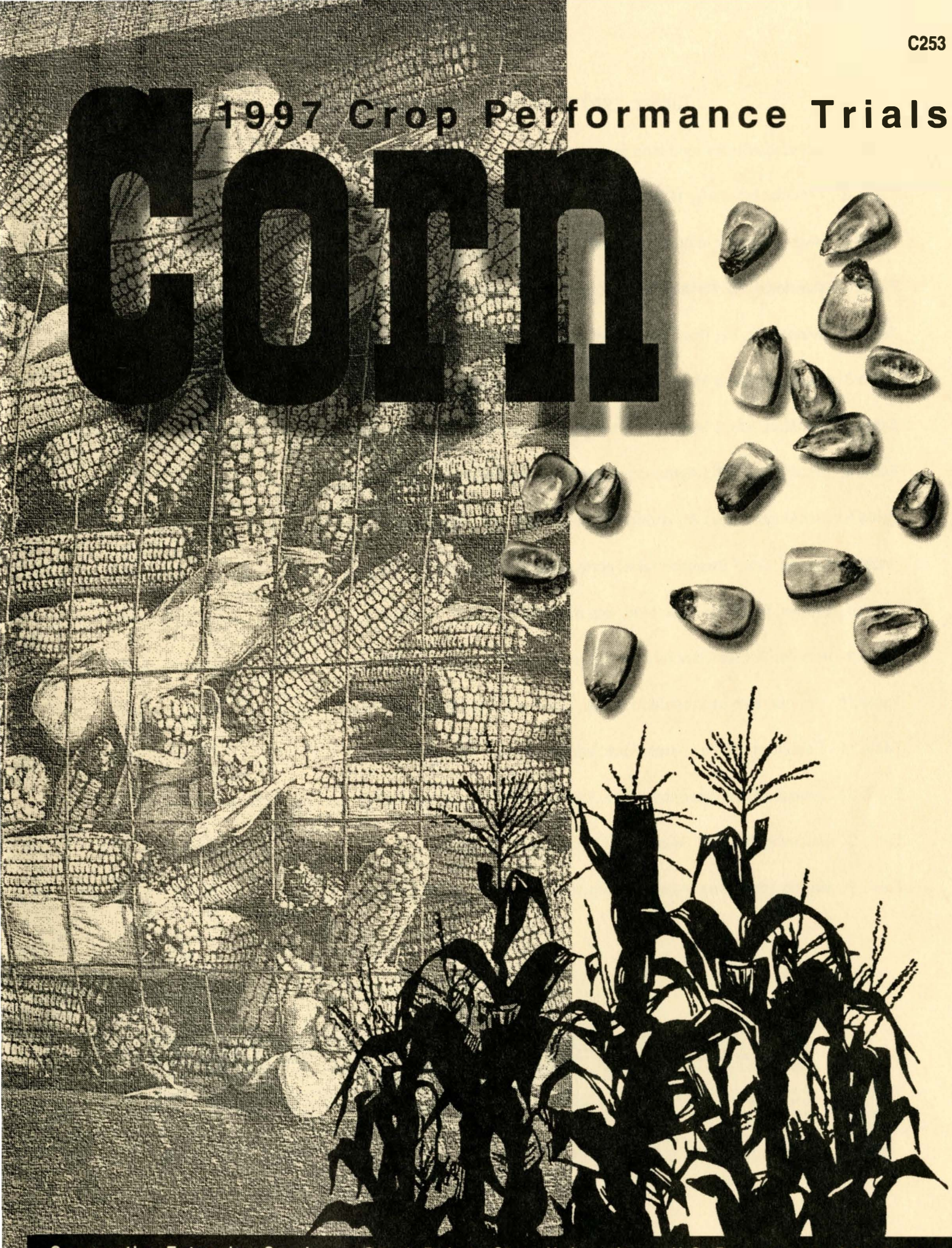

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Tables, 1997 Corn Hybrid Performance Trials

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C 253: 2.8M printed by Crop Performance Testing, SDSU, at a cost of $.72 each. December 1997. AX062

1997 Crop Performance Trials

Corn

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Entries and an index to their yield table location are in Table D near the end of this publication.

This report evaluates performance of entries in the 1997 South Dakota corn hybrid performance trials. Information includes both 1997 and 1996-97 grain yields in bushels per acre; and 1997 test weight, moisture percentages of shelled corn at harvest, final plant populations per acre, and stalk lodge percentages. The trials were conducted by the Plant Science Department Crop Performance Testing (CPT) Program, South Dakota Agricultural Experiment Station, SDSU.

The assistance of the following is appreciated: CPT technicians Kevin Kirby and David DeLay at Brookings, Jim Smolik and Allen Heuer at the Northeast Research Farm, Todd Bortnem and the Brookings Agronomy Farm staff, and Bob Berg and the Southeast Research Farm staff; Robert Clark (Armour), Scott Swanson (Crooks), and Steve Masat (Frankfort), farmer-cooperators.

Test Trials Locations

Test trial locations along with soil types and seedbed preparation are shown in Table A. Seeding and harvest dates are in Table B. Seeding started on May 1 and was completed by May 19. Trial results at most locations were good, considering the low early seasonal temperatures this year.

Test problems this year included:

• Frankfort (Spink Co.) plots weren't seeded until May 19. Plots were exposed to hail on June 23 and high winds on July 17. These factors likely reduced final populations, yields, and test weights at harvest and increased grain moisture percentages.

• Watertown (NE Research Farm) plots were seeded May 6 into a good seedbed. All plots had good field emergence. On July 2, however, the trial was exposed to 60 mph winds, causing some "greensnap." This was reflected in final harvest populations. Generally, within hybrids the level of greensnap was consistent across all three replications and occurred below the ear.

• Armour (Douglas Co.) plots were seeded on May 16 followed soon after by heavy rainfall which caused waterlogged soils which in turn affected field emergence of some early maturity trial plots. Plots were seeded at 15% over the target population and later thinned. It was apparent at thinning that some entries were not going to reach the desired target population of 24,934. These reduced emergence percentages were later reflected in the final harvest populations

Weather and Climatic Conditions

Climatic data (Table C) for this year's growing season, April-October, are based on U.S. Monthly Cli-

matological Data (NOAA) recorded at a weather station nearest each trial site. Watertown and Sioux Falls airport data were used for the NE Research Farm and the Scott Swanson Farm trials, respectively. Stations are located at or near the other trial sites.

Precipitation quantities may differ between test sites and the recording station; but temperatures are generally similar over a much wider area and are considered applicable to the trial area.

April and May temperatures (Table C) were 3 to 6^{o} below normal across all locations. Temperatures were near normal in June, but 1 to 3^{o} below average in July and August. In September and October temperatures were near or 1 to 3^{o} above normal, depending on location.

Monthly precipitation totals were variable across locations. Monthly levels varied from a low of 0.17 inches at Watertown in April to a high of 4.50 and 5.52 inches at Armour in May and June. Lowest total precipitation levels (April through October) were 12.68 and 13.30 inches, respectively, at Watertown and Brookings. Highest precipitation level for this same time period was 21.69 inches at Armour.

Hybrid Entry Procedure

Participating companies pick the test locations where their entries are tested. Entries are placed into "early" or "late" maturity trials. The arbitrary relative maturity breaks between the early and late tests are as follows: 95 days for Watertown; 100 days for Frankfort, Brookings, and Pierre; 105 days for Crooks and Armour; and 110 days for Beresford. Hybrids are assigned to maturity trials based on relative maturity ratings defined by the participating company.

This testing program does not guarantee that all entries are placed in the proper maturity trial. In some trials, borderline entries with relative maturity ratings at or near the arbitrary break between the early and late trials may crossover at a given location.

In some cases this may be indicated by exceptionally high or low grain moisture contents at harvest. A higher than average moisture may indicate the hybrid is later in relative maturity than indicated. Likewise, a lower than average moisture may indicate the hybrid is earlier in relative maturity than indicated.

A fee was charged for all entries at each location. A listing of participating seed companies is presented in table E at the end of this publication.

Experimental Procedure

All entries were seeded in three replications with each hybrid randomly located within a replication. A plot consisted of two 30-inch rows, 20 feet long. Target field populations and final harvest populations are indicated in each yield table.

Soil type, land preparation, and previous crop at each test site are in Table A. A starter fertilizer of 100 pounds/acre of 37-18-00 was applied 2 inches below and 2 inches to the side (2 x 2) of the seed row. Force insecticide was T-banded at label rates for corn rootworm control this year. Recommended herbicides (pre-emergence and post-emergence) were broadcast at labeled rates where needed.

A 31-cell cone drill seeder was used for all plots. Cone units were mounted above commercial maxi-merge units. Seeding rate was 15% more than the desired number of plants harvested per plot. Plots were later thinned to the desired target population. Seedbed preparation was good at all locations.

Measurements of Performance

Yield. Yields are an average of three replications, and are expressed as bushels per acre at 15.5% moisture and a bushel weight of 56 pounds.

Hybrids of equal potential may yield differently because of variations in slope, soil fertility, and stand. Statistical tests were conducted to determine whether differences were caused by variations in environment or were true variety differences.

In 1997 the coefficient of variation (CV) for yield was 10% or less among the 12 test trials located at six test sites. The CV value in a given test trial at each location is a measure of experimental error associated with the test trial. Ideally, this value should not exceed 15%. In cases where the CV value exceeds 15% it is recommended that the test

data be used with caution in making hybrid selection decisions.

In 1997, however, the CV values were low and experimental error was not a major factor in any test trials. Experimental error may be the result of several factors including test methods; or environmental factors such as moisture, temperature, soil variations; or agronomic factors like seeding date, reseeding, or seed quality factors. All of these may or may not be controllable in a given year.

Moisture Content. Moisture content is expressed as the percentage of moisture in the shelled corn at harvest. Moisture is inversely related to maturity. Because maturity is of prime importance in South Dakota, moisture figures are also of considerable importance in the evaluation of the trial entries. Hybrids that provide satisfactory yields and can be stored without additional drying are desirable.

Use of tables. Check for the "least significant difference" (LSD) value at the bottom of each column of data averages. The LSD value indicates how much a variable such as yield must differ between two hybrids before there is a real yield difference.

An LSD value is given at the bottom of every column where there is significant difference among the averages within that column. If there is no real difference among the averages within a given column a "nonsignificant" (NS) difference designation is indicated.

The LSD values can be used in two ways. In this publication the LSD value is used primarily to identify the top-yielding group for each test trial.

For example, at Watertown the highest yield was 179 bu/ac for Wensman W 4146. To determine whether Wensman W 4146 is the only top yielder at Watertown, use the LSD value of 22 bu/ac at the bottom of the 1997 yield column. For hybrids to be in the top-yield group they must yield 158 bu/ac (179 - 22 = 157 + 1) or higher.

A yield of 158 bu/ac would be in the top-yield group while a yield of 157 bu/ac would not be in the top-yield group. That is why 1 bu/ac is added to 157 in the above equation to define the top-yield group. All yields and LSD values are rounded to the nearest whole number.

We can say 158 bu/ac is the minimum value for top-yield hybrids at the "early" maturity test at Watertown in 1997. This value is indicated as the min. top-yield value at the bottom of the 1997 yield column. In all trial tables the top-yield group for 1997 is indicated by those hybrids which appear above the line denoted as "**ENTRIES ABOVE THIS LINE ARE IN THE TOP-YIELD GROUP FOR 1997.**"

In addition, the minimum top-yield value is indicated for the 2-yr (1996-97) average unless there were no significant yield differences. Top-yield hybrids in the 2-yr column are hybrids which are equal to or higher than the minimim top-yield value indicated at the bottom of the 2-yr yield column.

In addition to identifying the top-yield group, LSD values can be used to determined whether two hybrids differ in performance.

For example, in the early test at Watertown, the LSD value of 22 bu/ac can be used to compare yields of any two hybrids in the early maturity trial. If hybrid A yields 140 bu/ac and hybrid B yields 120 bu/ac, their yield difference is 20 bu/ac (140 - 120 = 20). In this case the two hybrids do not differ in yield, because the difference of 20 bu/ac is less than the reported LSD value of 22 bu/ac.

In contrast, if hybrid C yields 117 bu/ac, the yield difference between hybrid A and hybrid C would be 23 bu/ac (140 - 117 = 23). In this case the yield difference of 23 bu/ac is more than the reported LSD value of 22 bu/ac, and hybrid A would have a significantly higher yield than hybrid C.

Performance Trial Results

Note: Yields are 1-year (1997) or 2-year (1996-97) averages.

• **Watertown** (NE Research Farm): Early Maturity Trial (Table 1). Hybrids had to average at least 158 bu (1-year) or 124 bu (2-year) to be in the top-yield group. In 1997, seven hybrids in sequence from Wensman W4146 to Dekalb DK449 were in the top-yield group.

Late Maturity Trial (Table 2).
Hybrids had to average at least 146 bu (1-year) to be in the top-yield group. In 1997, the 15 hybrids in sequence from Cargill 3677 down to Sands / SOI 9027 were in the top-yield group. There were no significant differences among hybrids for 1996-97.

• **Frankfort, no-till trial:**
Early Maturity Trial (Table 3).
Hybrids had to average at least 160 bu (1-year) or 130 bu (2-year) to be in the top-yield group. In 1997, the three hybrids in sequence from Dekalb DK471 down to Dekalb DK493 were in the top-yield group.

Late Maturity Trial (Table 4).
Hybrids had to average at least 153 bu (1-year) or 115 bu (2-year) to be in the top-yield group. In 1997, the six hybrids in sequence from Dekalb DK586 down to Pioneer 36K27 were in the top-yield group.

• **Brookings** (Agronomy Farm):
Early Maturity Trial (Table 5).
Hybrids had to average at least 148 bu (1-year) or 144 bu (2-year) to be in the top-yield group. In 1997, the 10 hybrids in sequence from Kruger / K9904 down to Mycogen 2500 were in the top-yield group.

Late Maturity Trial (Table 6).
Hybrids had to average at least 159 bu (1-year) or 152 bu (2-year) to be in the top-yield group. In 1997, the six hybrids in sequence from Pioneer 35N05 down to Mycogen 2598 were in the top-yield group.

• **Crooks:**
Early Maturity Trial (Table 7).
Hybrids had to average at least 172 bu (1-year) or 151 bu (2-year) to be in the top-yield group. In 1997, the two hybrids Pioneer 36K27 and Pioneer 35N05 were in the top-yield group.

Late Maturity Trial (Table 8).
Hybrids had to average at least 165 bu (1-year) or 147 bu (2-year) to be in the top-yield group. In 1997, two hybrids, Mycogen 2598 and Kruger K9910, were in the top-yield group.

• **Armour, no-till trial:**
Early Maturity Trial (Table 9).
Hybrids had to average at least 186 bu (1-year) to be in the top-yield group. In 1997, the 13 hybrids in sequence from Wilson 1390 down to Epley EX1500 were in the top-yield group. There were no significant yield differences among hybrids for 1996-97.

Late Maturity Trial (Table 10).
Hybrids had to average at least 204 bu (1-year) or 176 bu (2-year) to be in the top-yield group. In 1997, the 16 hybrids in sequence from Pioneer 34R06 down to Kruger K9813 were in the top-yield group.

• **Beresford** (SE Research Farm:
Early Maturity Trial (Table 11).
Hybrids had to average at least 189 bu (1-year) or 181 bu (2-year) to be in the top-yield group In 1997, the four hybrids in sequence from Pioneer 34R06 down to Hoegemeyer 2612 were in the top-yield group.

Late Maturity Trial (Table 12).
Hybrids had to average at least 171 bu (1-year) to be in the top-yield group. In 1997, the 13 hybrids in sequence from Kaystar KX-808 down to Epley EX3608 were in the top-yield group. There were no significant yield differences among hybrids for 1996-97.

• Table A. Soil classification and land preparation.

LOCATION	SOIL TYPE	SEEDBED, PREVIOUS CROP
BROOKINGS	BRANDT SIL. CL.	CONV., SOYBEAN
WATERTOWN	BROOKINGS SIL. CL. LOAM	CONV., OATS
FRANKFORT	BEOTIA SILT LOAM	NO-TILL, SPRING WHEAT
BERESFORD	TRENT SILTY LOAM	CONV., SOYBEAN
ARMOUR	EAKIN-ETHAN COMPLEX	NO-TILL, WHEAT STUBBLE
CROOKS	TRENT SIL. CL. LOAM	MIN.-TILL, SOYBEAN STUBBLE

SIL.= SILT, CL.= CLAY, CONV. = CONVENTIONAL TILLAGE,
NO-TILL = NO TILLAGE, MIN.-TILL = MINIMUM TILLAGE.

• Table B. Test trial locations, 1997 seeding and harvest dates.

LOCATION	POST OFFICE	DATE SEEDED	DATE HARVESTED
ROBERT CLARK FARM, 4W,0.5S	ARMOUR	MAY 16	OCT. 27
S.E. RESEARCH FARM, 7W,3S	BERESFORD	MAY 5	OCT. 22
SDSU AGRONOMY FARM, 2NE	BROOKINGS	MAY 1	OCT. 29
SCOTT SWANSON FARM, 7N,2W	CROOKS	MAY 12	OCT. 28
N.E. RESEARCH FARM, 15N*	WATERTOWN	MAY 6	OCT. 21
STEVE MASAT FARM, 6S,2W	FRANKFORT	MAY 19	OCT. 23

* MILEAGE AND DIRECTIONS FROM NEAREST POST OFFICE.

• Table C. Nearest station temperature and precipitation data, 1997.

STATION	DATA	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	TOTAL
ARMOUR	TOTAL PRECIP.	2.66	4.50	5.52	2.45	2.38	2.16	2.02	21.69
AIRPORT	AVER. TEMP.	43.8	57.1	71.6	76.2	71.9	65.7	52.6	
	TEMP. DIFF.	-5.2	-3.1	1.6	0.4	-1.5	2.5	1.7	
BROOK-	TOTAL PRECIP.	2.14	1.36	2.40	2.69	1.55	1.72	1.44	13.30
INGS	AVER. TEMP.	39.2	51.0	68.0	70.3	67.3	61.0	48.5	
2 NE	TEMP. DIFF.	-4.7	-4.8	2.4	-0.4	-0.7	2.8	2.4	
CENTER-	TOTAL PRECIP.	2.21	3.51	3.60	1.27	2.08	3.47	2.21	18.35
VILLE#	AVER. TEMP.	41.7	52.7	70.0	73.9	70.5	64.1	51.5	
6 SE	TEMP. DIFF.	-5.7	-6.6	1.0	0.2	-0.3	3.0	2.5	
RED-	TOTAL PRECIP.	2.00	2.09	3.71	4.89	2.12	2.24	2.36	19.41
FIELD	AVER. TEMP.	40.1	53.4	68.5	71.8	69.1	63.0	48.7	
2 NE	TEMP. DIFF.	-4.8	-3.6	1.6	-1.4	-1.6	3.1	1.8	
SIOUX	TOTAL PRECIP.	2.43	3.58	3.77	2.94	1.58	1.59	1.78	17.67
FALLS	AVER. TEMP.	40.6	51.5	68.8	72.4	69.0	62.4	49.4	
AIRPORT	TEMP. DIFF.	-6.4	-6.8	0.5	-1.9	-2.3	1.5	0.8	
WATER-	TOTAL PRECIP.*	0.17	2.11	1.30	3.56	2.02	0.99	2.53	12.68
TOWN	AVER. TEMP.**	NA	51.1	68.1	69.4	66.9	61.0	48.0	
AIRPORT	TEMP. DIFF.	NA	-6.0	1.3	-3.0	-3.3	1.4	0.4	

*TOTAL PRECIP. = INCHES, **TEMPERATURE = DEGREES FAHRENHEIT.
#NEAREST RECORDING STATION TO S.E. RESEARCH FARM AT BERESFORD.

• Table 1. 1997 corn hybrid performance trial results:

Watertown, NE Research Farm, early maturity (95 days or less),

plots thinned to a target population of 24,394 plants/acre.

BRAND & HYBRID	YIELDS AT 15.5% MOIST. 1997 (Bu/A)		1997 GRAIN MOIST. (%)	1997 BU. WT. (lb)	1997 HARVEST STAND (No./A)##	1997 STALKS LODGED (%)
	1997	2-YR				
WENSMAN W 4146	179	.	20	56	22797	4
WENSMAN MAX 78	174	.	20	56	24394	1
WENSMAN MAX 007	170	.	20	57	24103	1
WENSMAN MAX 127	165	.	21	55	23232	3
GARST N5806	164	.	17	53	23377	4
DOMESTIC DX403	161	143	19	53	23232	4
DEKALB DK449	159	.	18	55	23087	3
ENTRIES ABOVE THIS LINE ARE IN THE TOP-YIELD* GROUP FOR 1997						
DAIRYLAND ST-1496	157	.	18	54	21635	6
DAIRYLAND ST-1595	157	.	19	54	20328	2
ENESTVEDT'S E-605	157	.	20	54	21635	0
WENSMAN W 1120X	153	.	19	56	22651	3
DAIRYLAND ST-1495	152	138	18	52	21489	4
WENSMAN MAX 357	151	.	19	57	20909	1
MYCOGEN 2362	150	.	19	54	21054	6
KAYSTAR KX-410	150	.	19	53	20473	3
DEKALB DK417	148	.	17	56	23087	2
TOP FARM TFSX 2101	147	134	17	52	23377	1
KRUGER K9895	146	.	20	53	19312	3
KRUGER K9898	146	129	18	54	19166	2
GOLDEN HARVEST H-2315	144	.	17	53	23087	3
DAIRYLAND ST-1297	144	131	18	54	21780	3
DOMESTIC DX404	143	.	20	55	20183	3
MYCOGEN 2382	141	.	19	55	20618	4
PAYCO 457	140	.	19	53	17714	2
KRUGER K9893	139	.	18	53	18440	9
DAIRYLAND DST-9102	138	.	16	55	23813	2
MYCOGEN 2250	138	121	17	57	22651	9
ENESTVEDT'S E-800	138	.	16	53	20909	3
SEED MART 2098	137	125	19	52	19747	6
MYCOGEN 2395	137	133	18	56	22506	3
GOLDEN HARVEST H-2265	137	.	16	55	22361	4
DEKALB DK385B	136	.	16	56	21199	6
WENSMAN MAX 747	134	.	21	56	15972	1
WENSMAN W 4123	134	.	17	56	23087	4
ASGROW RX355	132	.	16	56	21780	6
DOMESTIC DX307	131	125	17	53	20909	7
PIONEER 3893	130	126	17	56	21925	6

Table 1 (continued). Watertown, NE Research Farm, early maturity (95 days or less).

TABLE 1 (CONTINUED). NE RES. FARM, EARLY MATURITY - 95 DAYS OR LESS.

BRAND & HYBRID	YIELDS AT 15.5% MOIST. 1997 (Bu/A)	YIELDS AT 15.5% MOIST. 2-YR (Bu/A)	1997 GRAIN MOIST. (%)	1997 BU. WT. (lb)	1997 HARVEST STAND (No./A)##	1997 STALKS LODGED (%)
GARST N4763	130	.	20	54	18295	3
SEED MART 2088	129	126	16	53	18585	6
TERRA TR 906	126	.	16	53	16989	5
PAYCO 516	123	125	17	53	14230	3
CARGILL 2427	122	.	18	57	24249	6
TOP FARM TFSX 2196	121	.	18	53	16553	2
MYCOGEN 2420	118	116	17	55	17569	2
MYCOGEN 2292	112	.	15	53	21054	4
DOMESTIC DX450	105	.	15	52	18295	7
CARGILL 2777	104	.	17	58	18731	3
AVERAGE:	141	129	18	54	20906	4
LSD (5%):	22	20	2	1	2682	4
MIN. TOP YIELD VALUE*:	158	124				
COEF. OF VARIATION#:	10	7				

*TOP YIELD - YIELDS WITHIN ONE LSD VALUE OF HIGHEST YIELD.
#A MEASURE OF EXPERIMENTAL ERROR; A VALUE OF 15% OR LESS IS DESIRABLE.
SOME HARVEST POPULATIONS ARE LOWER THAN THE TARGET POPULATION DUE TO 60 MPH WINDS ON JULY 2 WHICH CAUSED SOME GREENSNAP.

• Table 2. 1997 corn hybrid performance trial results:

Watertown, NE Research Farm, late maturity (96 days or more),

plots thinned to a target population of 24,394 plants/acre.

BRAND & HYBRID	YIELDS AT 15.5% MOIST. 1997 (Bu/A)	YIELDS AT 15.5% MOIST. 2-YR (Bu/A)	1997 GRAIN MOIST. (%)	1997 BU. WT. (lb)	1997 HARVEST STAND (No./A)##	1997 STALKS LODGED (%)
CARGILL 3677	164	141	17	54	23667	1
KRUGER K9904	161	.	27	52	22796	3
KRUGER K9802	159	143	20	53	23377	1
CARGILL 3911	159	.	18	54	23813	2
KRUGER K9705	159	.	25	52	22506	1
SANDS SOI 9067	157	.	22	53	22651	1
DEKALB DK493	157	138	15	54	21199	3
DEKALB DK471	154	141	17	53	22651	3
TERRA TR 966	154	.	17	53	22361	1
GARST N4673	152	.	21	52	21054	5
MYCOGEN 2545	150	.	20	54	23813	1
DOMESTIC DX550	149	.	20	51	19457	1
DEKALB DK477	149	133	16	53	21490	1
PAYCO 635	148	137	18	52	23813	1
SANDS SOI 9027	147	136	20	53	22651	1
ENTRIES ABOVE THIS LINE ARE IN THE TOP-YIELD* GROUP FOR 1997						
TERRA TR 990	144	.	20	53	24103	0
KRUGER K9703	144	129	20	52	22361	1
EPLEY EX1450	143	126	18	52	20909	2
KRUGER K9804	141	.	19	52	22506	1
TOP FARM TFSX 2100	141	125	19	53	22942	1
KRUGER K9801	139	129	19	53	22506	2
PIONEER 3730	138	123	19	55	20473	3
WENSMAN MAX 88	137	.	22	55	21199	0
GOLDEN HARVEST H-2359	135	.	17	55	23232	1
KRUGER K9800	133	.	17	53	16989	6
CARGILL 4127	130	124	17	54	20618	1
PAYCO 607	129	123	16	53	19166	4
TERRA E987	127	.	18	53	21490	4
TOP FARM TFSX 2201	123	.	17	52	18440	6
GARST 8771	123	113	15	51	23377	3
MYCOGEN 2500	121	120	17	53	21054	1
KAYSTAR KX-575	118	.	18	52	18731	2
CARGILL 4111	118	.	18	53	15101	3
SANDS SOI 9998	117	.	16	52	17860	1
GOLDEN HARVEST H-2377	114	113	18	52	20183	1

Table 2 (continued). Watertown, NE Research Farm, late maturity (95 days or more).

BRAND & HYBRID	YIELDS AT 15.5% MOIST. 1997 (Bu/A)	YIELDS AT 15.5% MOIST. 2-YR (Bu/A)	1997 GRAIN MOIST. (%)	1997 BU. WT. (lb)	1997 HARVEST STAND (No./A)##	1997 STALKS LODGED (%)
EPLEY EX1160	111	.	16	52	15827	2
PIONEER 37M81	100	.	17	53	13794	7
MYCOGEN 2458	88	.	15	54	17424	4
AVERAGE:	138	129	18	53	20989	2
LSD (5%):	19	NS**	2	1	3664	3
MIN. TOP YIELD VALUE*:	146					
COEF. OF VARIATION#:	9	8				

*TOP YIELD - YIELDS WITHIN ONE LSD VALUE OF HIGHEST YIELD.
**DIFFERENCES WITHIN A COLUMN ARE NOT SIGNIFICANT (NS).
#A MEASURE OF EXPERIMENTAL ERROR; A VALUE OF 15% OR LESS IS DESIRABLE.
SOME HARVEST POPULATIONS ARE LOWER THAN THE TARGET POPULATION DUE TO 60 MPH WINDS ON JULY 2 WHICH CAUSED SOME GREENSNAP.

• Table 3. 1997 corn hybrid performance trial results:

Frankfort, Steve Masat farm, no-till, early maturity (100 days or less),

plots thinned to a target population of 24,394 plants/acre.

BRAND & HYBRID	YIELDS AT 15.5% MOIST. 1997 (Bu/A)	2-YR (Bu/A)	1997 GRAIN MOIST. (%)	BU. WT. (lb)	HARVEST STAND (No./A)##	STALKS LODGED (%)
DEKALB DK471	179	154	23	52	22506	3
CARGILL 3677	171	145	24	52	21635	3
DEKALB DK493	162	146	23	51	20909	3
ENTRIES ABOVE THIS LINE ARE IN THE TOP-YIELD* GROUP FOR 1997						
KRUGER K9904	159	.	30	51	21054	1
PAYCO 516	157	134	22	50	20473	1
DAIRYLAND ST-1500	156	.	27	51	19312	1
WENSMAN MAX 747	149	.	22	53	17714	2
WENSMAN MAX 127	149	.	23	52	20038	1
DOMESTIC DX550	147	.	27	50	18440	0
KRUGER K9801	147	135	29	50	19457	1
PAYCO 605	146	124	27	49	18876	1
KAYSTAR KX-600	146	133	26	50	19312	2
PAYCO 607	145	129	24	49	18731	1
DEKALB DK477	145	135	27	49	20618	3
WENSMAN MAX 78	143	.	22	52	18586	1
KAYSTAR KX-575	143	.	23	50	18150	3
KRUGER K9704	141	128	29	51	19312	3
GARST N4673	140	.	29	50	18876	1
KRUGER K9800	139	.	22	50	16988	2
SANDS SOI 9998	137	.	23	51	16698	1
DAIRYLAND ST-1401	137	124	27	50	19747	0
KRUGER K9802	136	125	27	51	19021	0
SANDS SOI 9991	136	.	26	51	17279	4
TOP FARM TFSX 2196	134	.	23	50	17279	1
WENSMAN MAX 88	134	.	25	52	19166	0
KRUGER K9804	133	.	28	51	18876	2
WENSMAN W 1120X	132	.	20	53	20328	3
WENSMAN MAX 007	131	.	22	55	18731	2
GARST 8780HPH	130	.	25	50	18731	0
KRUGER K9893	127	.	21	51	16988	2
WENSMAN W 4123	127	.	20	54	18441	3
TOP FARM TFSX 2201	126	.	23	50	16117	1
MYCOGEN 2500	124	120	22	53	17569	1
ASGROW RX490	124	.	23	51	18150	3
PIONEER 3730	122	120	25	51	16553	1
WENSMAN MAX 357	120	.	22	55	17714	2
PAYCO 457	120	.	23	50	14810	2
GOLDEN HARVEST H-2315	118	.	21	50	17133	2

Table 3 (continued). Frankfort, Steve Masat farm, no-till, early maturity (100 days or less).

BRAND & HYBRID	YIELDS AT 15.5% MOIST. 1997 (Bu/A)	YIELDS AT 15.5% MOIST. 2-YR (Bu/A)	1997 GRAIN MOIST. (%)	1997 BU. WT. (lb)	1997 HARVEST STAND (No./A)	1997 STALKS LODGED (%)
KRUGER K9895	117	.	24	51	14810	3
PIONEER 3893	117	.	17	53	18295	5
DAIRYLAND ST-1595	116	.	25	50	15391	0
KRUGER K9898	115	117	23	51	15391	1
WENSMAN W 4146	115	.	22	52	17714	2
PIONEER 37M81	113	.	21	51	19747	4
CARGILL 2777	109	.	19	57	18005	1
MYCOGEN 2395	109	.	20	54	18440	4
DOMESTIC DX450	104	.	17	49	15972	6
GOLDEN HARVEST H-2359	98	.	25	51	16553	1
MYCOGEN 2458	85	.	17	50	17279	2
AVERAGE:	133	131	24	51	18325	2
LSD (5%):	20	25	3	2	3123	NS**
MIN. TOP YIELD VALUE*:	160	130				
COEF. OF VARIATION#:	9	7				

*TOP YIELD - YIELDS WITHIN ONE LSD VALUE OF HIGHEST YIELD.
**DIFFERENCES WITHIN A COLUMN ARE NOT SIGNIFICANT (NS).
#A MEASURE OF EXPERIMENTAL ERROR; A VALUE OF 15% OR LESS IS DESIRABLE.
##SOME HARVEST POPULATIONS ARE LOWER THAN THE TARGET POPULATION DUE TO HAIL ON JUNE 23 AND HIGH WINDS ON JULY 17 WHICH CAUSED SOME MODERATE HAIL DAMAGE AND SOME GREENSNAP.

• Table 4. 1997 corn hybrid performance trial results:

Frankfort, Steve Masat farm, no-till, late maturity (101 days or more),

plots thinned to a target population of 24,394 plants/acre.

BRAND & HYBRID	YIELDS AT 15.5% MOIST. 1997 (Bu/A)	2-YR (Bu/A)	1997 GRAIN MOIST. (%)	BU. WT. (lb)	HARVEST STAND (No./A)##	STALKS LODGED (%)
DEKALB DK586	168	.	32	50	20909	1
PIONEER 35R57	161	.	29	50	19892	0
PIONEER 3559	157	143	26	53	21345	0
PIONEER 35M02	156	.	33	53	20328	0
PIONEER 35N05	154	.	30	51	19457	0
PIONEER 36K27	154	.	32	50	17714	0
ENTRIES ABOVE THIS LINE ARE IN THE TOP-YIELD* GROUP FOR 1997						
DEKALB DK527	151	138	29	50	19167	2
MYCOGEN 2620	150	.	27	50	21054	0
CARGILL 4111	149	.	27	51	19457	1
MYCOGEN 2598	148	.	30	49	18731	1
CARGILL 4811	148	.	28	51	19312	0
CARGILL 3911	147	.	24	51	18876	0
TOP FARM TFSX 2103	144	120	29	51	20618	0
CARGILL 4127	144	130	29	50	19166	1
KAYSTAR KX-625	143	.	28	50	17859	0
SANDS SOI 9067	143	.	29	51	21780	0
SANDS SOI 9027	141	130	28	50	18731	1
TOP FARM TFSX 2100	138	.	26	50	16843	0
MYCOGEN 2545	135	.	28	50	18876	0
GARST N5579	134	.	30	50	14375	0
MYCOGEN 2595	132	.	30	50	20038	0
GARST 8605	130	.	30	50	16407	0
KRUGER K9705	126	.	29	50	16843	0
GOLDEN HARVEST H-2377	98	99	29	49	15536	2
AVERAGE:	144	126	29	50	18888	0
LSD (5%):	16	29	2	2	2637	NS**
MIN. TOP YIELD VALUE*:	153	115				
COEF. OF VARIATION#:	7	8				

*TOP YIELD - YIELDS WITHIN ONE LSD VALUE OF HIGHEST YIELD.
**DIFFERENCES WITHIN A COLUMN ARE NOT SIGNIFICANT (NS).
#A MEASURE OF EXPERIMENTAL ERROR; A VALUE OF 15% OR LESS IS DESIRABLE.
##SOME HARVEST POPULATIONS ARE LOWER THAN THE TARGET POPULATION DUE TO HAIL ON JUNE 23 AND HIGH WINDS ON JULY 17 WHICH CAUSED SOME MODERATE HAIL DAMAGE AND SOME GREENSNAP.

• Table 5. 1997 corn hybrid performance trial results:

Brookings, SDSU Agronomy Farm, early maturity (100 days or less),

plots thinned to a target population of 24,394 plants/acre.

BRAND & HYBRID	YIELDS AT 15.5% MOIST. 1997 (Bu/A)	2-YR (Bu/A)	1997 GRAIN MOIST. (%)	BU. WT. (lb)	HARVEST STAND (No./A)	STALKS LODGED (%)
KRUGER K9904	161	.	20	56	24394	1
DEKALB DK477	157	160	16	55	24394	1
STAUFFER 2420	154	.	17	56	24394	1
M-W GENETICS G 7118	153	.	17	56	24394	2
DEKALB DK493	153	165	15	55	24394	3
DOMESTIC DX550	152	168	17	55	24394	3
SANDS SOI 9991	150	164	18	57	24394	2
KRUGER K9703	149	165	17	54	24394	2
DAIRYLAND ST-1500	149	.	18	56	24394	2
MYCOGEN 2500	149	160	17	55	24394	1
ENTRIES ABOVE THIS LINE ARE IN THE TOP-YIELD* GROUP FOR 1997						
PAYCO 635	147	162	17	54	24394	5
PIONEER 3730	145	163	18	58	24394	3
CARGILL 2777	145	.	16	58	24394	1
ASGROW RX490	145	.	18	58	24394	6
JACOBSEN JS4076	143	.	15	55	24394	2
TERRA TR 966	143	155	16	55	24394	1
GOLDEN HARVEST H-2315	143	.	16	56	24394	1
KRUGER K9600	143	161	16	56	24394	1
PAYCO 605	142	141	16	55	24394	1
JACOBSEN JS14	142	157	17	56	24394	1
DOMESTIC DX509	140	.	19	58	24394	1
MYCOGEN 2395	140	.	17	58	24394	3
KRUGER K9802	140	158	17	56	24394	2
DEKALB DK449	139	.	16	56	24394	1
CURRY 2101	137	.	16	56	24394	3
SEED MART 2101	137	.	18	56	24394	5
TERRA E987	137	.	17	56	24394	3
TERRA TR 990	136	157	17	55	24394	5
MYCOGEN 2458	135	.	16	57	24394	1
DOMESTIC DX503	135	.	17	56	24394	2
TOP FARM TFSX 2201	135	.	16	55	24394	3
SEED MART 1097	134	162	16	56	24394	1
PAYCO 607	134	160	16	55	24394	1
GARST 8780HPH	134	.	17	55	24394	2
GOLDEN HARVEST H-2359	134	.	17	58	24394	4

Table 5 (continued). Brookings, SDSU Agronomy Farm, early maturity (100 days or less),

BRAND & HYBRID	YIELDS AT 15.5% MOIST. 1997 (Bu/A)	YIELDS AT 15.5% MOIST. 2-YR (Bu/A)	1997 GRAIN MOIST. (%)	1997 BU. WT. (lb)	1997 HARVEST STAND (No./A)	1997 STALKS LODGED (%)
KRUGER K9899	133	.	17	55	24394	1
PAYCO 516	133	157	16	54	24394	4
KRUGER K9800	132	.	16	55	24394	3
EPLEY EX1160	132	.	16	54	24394	3
NC+ 1585	131	155	16	54	24394	1
KRUGER K9801	129	.	17	57	24394	4
ENESTVEDT'S E-605	129	.	16	56	24394	3
CURRY 2105	129	.	16	55	24394	3
DOMESTIC DX522	128	151	16	56	24394	1
TOP FARM TFSX 2196	128	.	16	55	24394	2
DOMESTIC DX403	128	149	16	54	24394	3
SANDS SOI 9998	127	.	16	54	24394	3
PIONEER 37M81	126	.	16	56	24394	4
CURRY 2102	126	.	16	55	24394	2
PIONEER 3893	125	.	16	58	24394	3
KAYSTAR KX-575	125	.	15	54	24394	1
CARGILL 3677	124	145	16	57	24394	4
GARST N4673	123	.	17	55	24394	1
ENESTVEDT'S E-670	120	.	17	55	24394	3
KRUGER K9898	120	.	16	56	24394	1
TOP FARM TFSX 2101	115	.	16	55	24394	4
ENESTVEDT'S E-800	114	.	15	54	24394	3
KRUGER K9895	114	.	16	55	24394	4
KAYSTAR KX-600	111	141	16	53	24394	6
GOLDEN HARVEST H-2382	110	150	18	56	24394	5
PAYCO 457	109	.	16	56	24394	1
AVERAGE:	135	157	16	56	24394	2
LSD (5%):	14	25	1	2	NS**	NS**
MIN. TOP YIELD VALUE*:	148	144				
COEF. OF VARIATION#:	6	6				

*TOP YIELD - YIELDS WITHIN ONE LSD VALUE OF HIGHEST YIELD.
**DIFFERENCES WITHIN A COLUMN ARE NOT SIGNIFICANT (NS).
#A MEASURE OF EXPERIMENTAL ERROR; A VALUE OF 15% OR LESS IS DESIRABLE.

• Table 6. 1997 corn hybrid performance trial results:

Brookings, SDSU Agronomy Farm, late maturity (101 days or more),

plots thinned to a target population of 24,394 plants/acre.

BRAND & HYBRID	YIELDS AT 15.5% MOIST. 1997 (Bu/A)	YIELDS AT 15.5% MOIST. 2-YR (Bu/A)	1997 GRAIN MOIST. (%)	1997 BU. WT. (lb)	1997 HARVEST STAND (No./A)	1997 STALKS LODGED (%)
PIONEER 35N05	175	.	21	56	24394	1
PIONEER 36K27	172	.	22	54	24394	1
KRUGER K9806	170	164	19	54	24394	3
PIONEER 35R57	163	.	19	57	24394	1
STAUFFER 2550	159	.	18	56	24394	1
MYCOGEN 2598	159	.	18	54	24394	1
ENTRIES ABOVE THIS LINE ARE IN THE TOP-YIELD* GROUP FOR 1997						
KAYSTAR KX-777	156	175	22	52	24394	1
MYCOGEN 2620	156	.	18	56	24394	1
GARST 8640	155	164	19	55	24394	1
PIONEER 35M02	154	.	21	54	24394	1
KRUGER K9709	152	162	18	51	24394	1
TERRA TR 1026	152	161	17	56	24394	1
KRUGER K9706	152	.	19	55	24394	1
CARGILL 4127	151	159	17	56	24394	3
MYCOGEN 2674	151	.	19	56	24394	1
KRUGER K9906	150	.	19	52	24394	3
CARGILL 4111	149	.	16	55	24394	1
DAIRYLAND ST-1406	149	.	19	52	24394	1
DEKALB DK521	148	.	17	54	24394	1
CARGILL 3911	147	.	17	56	24394	1
ASGROW RX530	145	.	18	55	24394	1
KAYSTAR X7106	144	.	19	53	24394	2
TERRA TR 1066	144	166	21	51	24394	1
KAYSTAR KX-625	144	.	17	56	24394	1
KRUGER K9808+	143	.	20	53	24394	1
GARST N5579	143	.	20	51	24394	2
TERRA TR 1087	142	161	21	52	24394	1
TOP FARM TFSX 2103	142	150	19	55	24394	1
MYCOGEN 2677	142	.	20	52	24394	1
GOLDEN HARVEST H-2377	141	153	16	54	24394	1
PIONEER 3559	140	161	18	58	24394	2
EPLEY EX1500	140	153	19	56	24394	1
KRUGER K9407+	140	.	18	54	24394	2
MYCOGEN 2545	138	.	17	56	24394	1
SANDS SOI 9045	138	159	17	53	24394	2
EPLEY EX1460	135	.	17	56	24394	2

Table 6 (continued). SDSU Agronomy Farm, late maturity (101 days or more).

BRAND & HYBRID	YIELDS AT 15.5% MOIST. 1997 (Bu/A)	YIELDS AT 15.5% MOIST. 2-YR (Bu/A)	1997 GRAIN MOIST. (%)	1997 BU. WT. (lb)	1997 HARVEST STAND (No./A)	1997 STALKS LODGED (%)
SANDS SOI 9074	134	.	19	54	24394	3
MYCOGEN 2595	133	.	18	53	24394	3
SANDS SOI 9027	133	150	17	55	24394	1
M-W GENETICS G 7350	132	.	18	55	24394	2
KRUGER K9507IMI	131	155	22	55	24394	1
CARGILL 4811	130	.	18	54	24394	1
KRUGER K9609	129	153	18	51	24394	4
EPLEY EX2417	129	152	17	53	24394	1
DEKALB DK527	128	149	18	54	24394	4
EPLEY EX2422	125	149	17	52	24394	2
AVERAGE:	145	158	18	54	24394	2
LSD (5%):	17	24	2	1	NS**	NS**
MIN. TOP YIELD VALUE*:	159	152				
COEF. OF VARIATION#:	6	6				

*TOP YIELD - YIELDS WITHIN ONE LSD VALUE OF HIGHEST YIELD.
**DIFFERENCES WITHIN A COLUMN ARE NOT SIGNIFICANT (NS).
#A MEASURE OF EXPERIMENTAL ERROR; A VALUE OF 15% OR LESS IS DESIRABLE.

• Table 7. 1997 corn hybrid performance trial results:

Crooks, Scott Swanson farm, early maturity (105 days or less),

plots thinned to a target population of 26,136 plants/acre.

BRAND & HYBRID	YIELDS AT 15.5% MOIST. 1997 (Bu/A)	YIELDS AT 15.5% MOIST. 2-YR (Bu/A)	1997 GRAIN MOIST. (%)	1997 BU. WT. (lb)	1997 HARVEST STAND (No./A)	1997 STALKS LODGED (%)
PIONEER 36K27	186	.	18	54	26136	2
PIONEER 35N05	175	.	19	57	26136	2
ENTRIES ABOVE THIS LINE ARE IN THE TOP-YIELD* GROUP FOR 1997						
MYCOGEN 2545	157	.	16	57	26136	1
KRUGER K9806	156	170	17	55	26136	5
KRUGER K9906	153	.	18	54	26136	7
KRUGER K9705	152	.	18	56	26136	4
HOEGEMEYER 2591	151	154	16	57	26136	2
GARST 8640	149	166	16	55	26136	9
PIONEER 3559	149	174	18	59	26136	8
PIONEER 35R57	149	.	17	57	26136	5
KRUGER K9507IMI	148	165	19	57	26136	7
TOP FARM TFSX 2100	147	151	16	57	26136	2
DEKALB DK521	146	.	16	56	26136	4
CARGILL 4111	146	.	17	57	26136	7
KRUGER K9709	143	164	18	54	26136	8
MYCOGEN 2620	143	.	17	57	26136	6
KRUGER K9706	143	.	17	56	26136	6
NC+ 2395	143	.	16	56	26136	1
ASGROW RX601	142	171	18	56	26136	6
DEKALB DK527	142	.	16	56	26136	8
DEKALB DK493	142	160	15	55	26136	5
GARST N5579	141	.	18	54	26136	9
TOP FARM TFSX 2201	141	.	15	55	26136	6
SEED MART 2101	141	.	16	56	26136	2
DEKALB DK471	141	157	15	55	26136	9
CARGILL 4811	140	.	16	56	26136	3
DOMESTIC DX503	138	.	16	57	26136	2
CURRY 2105	138	.	15	54	26136	4
DOMESTIC DX509	137	.	18	59	26136	4
PIONEER 3730	137	164	16	57	26136	5
PAYCO 607	136	157	15	54	26136	9
ENESTVEDT'S E-670	136	.	16	57	26136	4
SANDS SOI 9045	136	164	17	54	26136	6
SEED MART 2108	136	.	17	54	26136	11
TERRA TR 1026	135	152	16	56	26136	3
PAYCO 646	135	159	16	55	26136	4
SANDS SOI 9027	132	.	16	57	26136	2

Table 7 (continued). Crooks, Scott Swanson farm, early maturity (105 days or less).

BRAND & HYBRID	YIELDS AT 15.5% MOIST. 1997 (Bu/A)	YIELDS AT 15.5% MOIST. 2-YR (Bu/A)	1997 GRAIN MOIST. (%)	1997 BU. WT. (lb)	1997 HARVEST STAND (No./A)	1997 STALKS LODGED (%)
MYCOGEN 2595	132	.	17	51	26136	6
DOMESTIC DX550	131	153	16	55	26136	7
KRUGER K9407+	131	.	19	55	26136	8
KRUGER K9904	128	.	18	57	26136	6
CARGILL 4127	128	158	16	57	26136	6
PAYCO 635	128	146	15	55	26136	9
GOLDEN HARVEST H-2377	128	160	15	55	26136	7
CARGILL 3677	127	142	16	57	26136	8
MYCOGEN 2500	127	149	15	56	26136	7
CARGILL 3911	124	.	16	57	26136	9
PIONEER 37M81	123	.	15	57	26136	8
ENESTVEDT'S E-580	121	.	18	54	26136	9
KRUGER K9808+	120	.	18	53	26136	7
KRUGER K9804	117	.	16	55	26136	6
GOLDEN HARVEST H-2359	116	.	16	57	26136	6
DOMESTIC DX602	110	131	17	54	26136	8
NC+ 2727	109	.	16	56	26136	8
TOP FARM TFSX 2104	103	117	18	55	26136	7
HOEGEMEYER 2592	92	128	18	55	26136	9
AVERAGE:	137	155	17	56	26136	6
LSD (5%):	15	24	1	2	NS**	5
MIN. TOP YIELD VALUE*:	172	151				
COEF. OF VARIATION#:	7	6				

*TOP YIELD - YIELDS WITHIN ONE LSD VALUE OF HIGHEST YIELD.
**DIFFERENCES WITHIN A COLUMN ARE NOT SIGNIFICANT (NS).
#A MEASURE OF EXPERIMENTAL ERROR; A VALUE OF 15% OR LESS IS DESIRABLE.

• Table 8. 1997 corn hybrid performance trial results:

Crooks, Scott Swanson farm, late maturity (106 days or more),

plots thinned to a target population of 26,136 plants/acre.

BRAND & HYBRID	YIELDS AT 15.5% MOIST. 1997 (Bu/A)		1997 GRAIN MOIST. (%)	1997 BU. WT. (lb)	1997 HARVEST STAND (No./A)	1997 STALKS LODGED (%)
	1997	2-YR				
MYCOGEN 2598	180	.	17	55	26136	1
KRUGER K9910	166	.	21	55	26136	3
ENTRIES ABOVE THIS LINE ARE IN THE TOP-YIELD* GROUP FOR 1997						
PIONEER 35M02	163	.	19	55	26136	11
DEKALB DK595	163	.	19	55	26136	2
GARST 8541IT	154	161	18	55	26136	8
DEKALB DK586	153	.	17	55	26136	6
DEKALB DK566	149	170	16	55	26136	5
PIONEER 34G81	148	.	17	57	26136	8
TOP FARM TFSX 2111	144	.	17	54	26136	6
PIONEER 34K77	142	.	19	55	26136	8
TERRA TR 1087	142	163	20	54	26136	7
MYCOGEN 2674	142	156	18	57	26136	9
M-W GENETICS G 7480	141	153	18	57	26136	9
DEKALB DK560	138	164	18	57	26136	5
MYCOGEN 2725	138	.	21	54	26136	4
GOLDEN HARVEST H-2478	137	159	16	54	26136	3
KAYSTAR KX-777	136	161	20	54	26136	7
MYCOGEN 7250	133	.	20	55	26136	9
SANDS SOI 9067	130	.	18	57	26136	6
KAYSTAR X7106	127	.	18	53	26136	9
TERRA TR 1066	126	154	21	52	26136	5
CARGILL 6303	123	137	19	54	26136	8
KRUGER K9711	122	156	21	52	26136	13
SANDS SOI 9074	122	.	17	55	26136	4
KRUGER K9410	122	.	18	55	26136	3
SANDS SOI 9115	118	127	19	55	26136	3
MYCOGEN 2677	118	140	20	53	26136	3
AVERAGE:	140	154	19	55	26136	6
LSD (5%):	16	24	1	2	NS**	6
MIN. TOP YIELD VALUE*:	165	147				
COEF. OF VARIATION#:	7	6				

*TOP YIELD - YIELDS WITHIN ONE LSD VALUE OF HIGHEST YIELD.
**DIFFERENCES WITHIN A COLUMN ARE NOT SIGNIFICANT (NS).
#A MEASURE OF EXPERIMENTAL ERROR; A VALUE OF 15% OR LESS IS DESIRABLE.

• Table 9. 1997 corn hybrid performance trial results:

Armour, Robert Clark farm, no-till, early maturity (105 days or less),

plots thinned to a target population of 24,394 plants/acre.

BRAND & HYBRID	YIELDS AT 15.5% MOIST. 1997 (Bu/A)	YIELDS AT 15.5% MOIST. 2-YR (Bu/A)	1997 GRAIN MOIST. (%)	1997 BU. WT. (lb)	1997 HARVEST STAND (No./A)	1997 STALKS LODGED (%)
WILSON 1390	207	.	22	54	22651	5
WILSON 1098	199	.	18	55	24103	2
PIONEER 3568	198	178	20	57	24394	1
ASGROW RX601	196	183	21	55	23668	2
JACOBSEN JS4246	193	.	19	56	23813	1
GARST 8640	192	170	19	56	24394	1
ASGROW RX530	190	.	19	56	24394	1
PIONEER 35R57	187	.	20	57	22506	3
KRUGER K9806	187	.	21	54	22216	3
GARST N4673	187	.	19	55	23232	1
KRUGER K9709	186	186	21	54	23232	4
KRUGER K9706	186	.	20	56	21635	1
EPLEY EX1500	186	.	20	57	24394	3
ENTRIES ABOVE THIS LINE ARE IN THE TOP-YIELD* GROUP FOR 1997						
DOMESTIC DX602	185	164	21	54	24394	4
NC+ 2395	180	.	18	56	24394	2
PIONEER 36K27	180	.	23	54	20619	1
CARGILL 4811	178	.	19	55	24103	2
HOEGEMEYER 2592	177	.	21	54	24394	3
EPLEY EX1460	177	.	17	57	23523	0
KRUGER K9808+	174	.	22	54	22797	1
KRUGER K9906	174	.	23	53	20619	3
MYCOGEN 2620	172	.	19	57	24394	2
SANDS SOI 9027	172	.	18	56	24394	3
DEKALB DK477	166	166	18	55	22361	0
ASGROW RX490	164	155	19	57	24394	1
MYCOGEN 2595	163	.	21	53	24394	3
DEKALB DK527	158	161	20	53	23523	1
PIONEER 37M81	158	.	18	56	22797	3
PIONEER 35N05	156	.	23	54	19457	1
SANDS SOI 9045	155	152	20	55	19167	0
PIONEER 3730	155	148	19	56	18876	1
KRUGER K9407+	154	.	23	53	24394	4
PIONEER 3559	131	141	21	58	20328	1
AVERAGE:	176	164	20	55	22968	2
LSD (5%):	22	NS**	1	2	3526	NS**
MIN. TOP YIELD VALUE*:	186					
COEF. OF VARIATION#:	7	8				

*TOP YIELD - YIELDS WITHIN ONE LSD VALUE OF HIGHEST YIELD.
**DIFFERENCES WITHIN A COLUMN ARE NOT SIGNIFICANT (NS).
#A MEASURE OF EXPERIMENTAL ERROR; A VALUE OF 15% OR LESS IS DESIRABLE.

• Table 10. 1997 corn hybrid performance trial results:

Armour, Robert Clark farm, no-till, late maturity (106 days or more),

plots thinned to a target population of 24,394 plants/acre.

BRAND & HYBRID	YIELDS AT 15.5% MOIST. 1997 (Bu/A)	YIELDS AT 15.5% MOIST. 2-YR (Bu/A)	1997 GRAIN MOIST. (%)	1997 BU. WT. (lb)	1997 HARVEST STAND (No./A)	1997 STALKS LODGED (%)
PIONEER 34R06	224	.	23	53	24394	0
CARGILL 7770	217	198	24	53	24394	3
JACOBSEN JS4635	214	.	22	53	24394	2
CARGILL 5677	212	185	21	55	24394	4
KAYSTAR KX-777	211	190	21	54	24394	1
KRUGER K9811+	209	.	20	53	24394	1
PIONEER 3489	209	195	22	54	24394	1
MYCOGEN 7059	208	.	22	55	24394	0
MYCOGEN 2598	207	.	18	53	24394	0
KRUGER K9812	207	.	22	55	24394	2
DOMESTIC DX720	206	186	20	53	24394	3
GOLDEN HARVEST H-2547	205	196	21	53	24394	2
CARGILL 6888	205	193	24	54	24394	0
SANDS SOI 9128	205	.	20	53	24394	2
SANDS SOI 9126	205	186	23	53	24394	1
KRUGER K9813	204	.	22	52	24394	2
ENTRIES ABOVE THIS LINE ARE IN THE TOP-YIELD* GROUP FOR 1997						
HOEGEMEYER 2623	201	.	20	54	24394	1
KRUGER K9513	201	187	22	53	24394	3
MYCOGEN 2725	200	.	22	54	24394	3
DEKALB DK569	199	190	20	52	24394	3
GARST 8464	198	.	21	53	24394	1
KRUGER K9614A	197	188	23	53	24394	3
SANDS SOI 9137	197	.	22	53	24394	2
PIONEER 34K77	196	.	20	55	20328	1
WILSON 1438	196	.	21	55	23958	0
PIONEER 35M02	194	.	21	56	24394	0
DEKALB DK566	194	191	19	54	24394	0
KRUGER K9910	193	.	21	55	24394	0
MYCOGEN 2674	192	173	21	55	23377	1
PIONEER 34G81	192	.	20	54	24394	2
EPLEY EX3242	191	.	22	51	24394	3
ASGROW RX670	191	.	20	54	24394	3
EPLEY EX3608	190	.	22	53	24394	2
MYCOGEN 7250	190	.	23	52	24394	1
EPLEY EX2422	187	.	20	53	24394	1
HOEGEMEYER 2612	186	.	21	53	24394	1

Table 10 (continued). Armour, Robert Clark farm, no-till, late maturity (106 days or more).

BRAND & HYBRID	YIELDS AT 15.5% MOIST. 1997 (Bu/A)	YIELDS AT 15.5% MOIST. 2-YR (Bu/A)	1997 GRAIN MOIST. (%)	1997 BU. WT. (lb)	1997 HARVEST STAND (No./A)	1997 STALKS LODGED (%)
GARST 8541IT	184	165	21	54	24394	2
SANDS SOI 9067	183	.	19	55	24394	1
WILSON 1435	183	.	19	52	23523	3
WILSON 1394	179	.	19	55	22942	1
CARGILL 6303	176	161	21	52	24394	0
SANDS SOI 9115	174	163	22	53	24394	1
GOLDEN HARVEST H-2468	172	166	20	56	21925	1
KRUGER K9712+	172	.	23	53	24394	1
HOEGEMEYER 2614	172	173	19	56	24394	1
KRUGER K9713	170	.	22	53	24394	0
MYCOGEN 2677	168	162	23	53	24394	1
KRUGER K9410	163	.	20	54	24394	1
KAYSTAR KX-790	163	.	24	51	24394	2
SANDS SOI 9074	163	158	20	52	24394	1
CARGILL 6997	162	149	23	52	24394	0
GOLDEN HARVEST H-2478	161	162	19	52	24394	6
AVERAGE:	192	178	21	53	24196	1
LSD (5%):	21	22	2	2	NS**	3
MIN. TOP YIELD VALUE*:	204	176				
COEF. OF VARIATION#:	6	6				

*TOP YIELD - YIELDS WITHIN ONE LSD VALUE OF HIGHEST YIELD.
**DIFFERENCES WITHIN A COLUMN ARE NOT SIGNIFICANT (NS).
#A MEASURE OF EXPERIMENTAL ERROR; A VALUE OF 15% OR LESS IS DESIRABLE.

• Table 11. 1997 corn hybrid performance trial results:

Beresford, SE Research Farm, early maturity (110 days or less),

plots thinned to a target population of 26,136 plants/acre.

BRAND & HYBRID	YIELDS AT 15.5% MOIST. 1997 (Bu/A)	YIELDS AT 15.5% MOIST. 2-YR (Bu/A)	1997 GRAIN MOIST. (%)	1997 BU. WT. (lb)	1997 HARVEST STAND (No./A)	1997 STALKS LODGED (%)
PIONEER 34R06	209	.	19	58	26136	1
PIONEER 35N05	200	.	18	60	26136	1
KRUGER K9513	197	200	17	58	26136	3
HOEGEMEYER 2612	189	.	16	56	26136	7
ENTRIES ABOVE THIS LINE ARE IN THE TOP-YIELD* GROUP FOR 1997						
LG SEEDS LG2583	188	.	17	58	26136	3
ASGROW RX730	187	.	19	57	26136	3
SEED MART 1112	183	198	17	58	26136	4
PIONEER 35M02	181	.	19	60	26136	0
GARST N3526	180	191	17	57	26136	4
KRUGER K9812	179	.	19	59	26136	6
WILSON 1390	179	.	17	57	26136	8
KRUGER K9813	179	.	18	55	26136	4
PIONEER 34K77	178	.	18	60	26136	2
KAYSTAR KX-777	178	185	18	57	26136	2
DEKALB DK566	178	186	16	58	26136	4
PIONEER 35R57	177	.	16	59	26136	1
M-W GENETICS G 7610	177	183	17	57	26136	2
DEKALB DK586	177	194	17	57	26136	4
DEKALB DK595	177	.	17	57	26136	3
GARST N5579	177	.	16	56	26136	5
STAUFFER 2436	175	190	18	57	26136	4
ASGROW RX601	175	189	17	58	26136	3
NC+ 3877	175	.	17	58	26136	2
MYCOGEN 2674	175	180	16	60	26136	2
KRUGER K9709	174	.	17	56	26136	3
NC+ 4880	174	.	19	56	26136	2
PIONEER 3559	173	174	17	61	26136	2
KRUGER K9614A	172	190	19	57	26136	2
FONTANELLE 4567	172	.	17	59	26136	3
KRUGER K9906	172	.	17	57	26136	1
WILSON 1438	172	.	17	59	26136	1
GARST 8605	171	.	16	58	26136	3
PIONEER 3489	171	184	17	58	26136	3
SEED MART 2108	171	.	16	56	26136	3

Table 11 (continued). Beresford, SE Research Farm, early maturity (110 days or less).

BRAND & HYBRID	YIELDS AT 15.5% MOIST. 1997 (Bu/A)	YIELDS AT 15.5% MOIST. 2-YR (Bu/A)	1997 GRAIN MOIST. (%)	1997 BU. WT. (lb)	1997 HARVEST STAND (No./A)	1997 STALKS LODGED (%)
TERRA TR 1066	170	182	18	55	26136	3
MYCOGEN 2616IMI	170	178	16	58	26136	2
GOLDEN HARVEST H-2478	170	168	17	57	26136	6
KRUGER K9910	169	.	21	58	26136	1
KRUGER K9811+	169	.	18	56	26136	2
KRUGER K9410	169	.	17	57	26136	3
PIONEER 3568	168	182	16	60	26136	2
WILSON 1435	167	.	17	55	26136	2
TERRA TR 1087	167	187	18	58	26136	1
CURRY 2163	165	.	17	56	26136	4
KRUGER K9713	165	.	17	57	26136	5
LG SEEDS LG2539	165	.	17	55	26136	7
CURRY 2161	163	.	17	58	26136	4
EPLEY EX2422	163	177	17	56	26136	7
SANDS SOI 9087	163	.	17	59	26136	0
DEKALB DK580	162	183	18	58	26136	3
JACOBSEN JS4635	162	.	18	55	26136	2
DAIRYLAND ST-1406	161	179	16	56	26136	7
EPLEY EX1500	161	164	16	59	26136	2
PIONEER 34G81	161	.	17	59	26136	2
FONTANELLE 4997	161	.	18	62	26136	1
WILSON 1394	160	.	16	57	26136	5
CARGILL 5677	160	181	18	58	26136	3
HOEGEMEYER 2591	160	168	15	58	26136	0
HOEGEMEYER 2614	160	172	16	60	26136	1
SANDS SOI 9067	160	.	17	60	26136	3
GOLDEN HARVEST H-2468	159	169	17	60	26136	1
KRUGER K9806	158	.	16	57	26136	2
CARGILL 6303	158	178	17	58	26136	2
FONTANELLE 4966	156	.	16	55	26136	5
KRUGER K9712+	155	.	17	56	26136	3
HOEGEMEYER 2567	154	.	15	58	26136	3
TERRA TR 1106	154	174	21	55	26136	2
CURRY 2151	154	.	16	57	26136	1
DOMESTIC DX720	152	177	16	57	26136	3

Table 11 (continued). Beresford, SE Research Farm, early maturity (110 days or less).

BRAND & HYBRID	YIELDS AT 15.5% MOIST. 1997 (Bu/A)	YIELDS AT 15.5% MOIST. 2-YR (Bu/A)	1997 GRAIN MOIST. (%)	1997 BU. WT. (lb)	1997 HARVEST STAND (No./A)	1997 STALKS LODGED (%)
ASGROW RX670	151	.	18	55	26136	1
KAYSTAR KX-790	150	.	17	56	26136	5
CURRY 2155	150	.	17	59	26136	2
FONTANELLE 4426	146	.	15	58	26136	3
DOMESTIC DX602	146	154	16	57	26136	2
MYCOGEN 2677	145	.	18	57	26136	2
SANDS SOI 9045	145	169	16	57	26136	2
ENESTVEDT'S E-580	140	.	16	58	26136	1
SANDS SOI 9074	139	.	17	57	26136	1
EPLEY EX2417	136	149	16	58	26136	3
AVERAGE:	167	179	17	58	26136	3
LSD (5%):	21	20	1	1	NS**	4
MIN. TOP YIELD VALUE*:	189	181				
COEF. OF VARIATION#:	8	7				

*TOP YIELD - YIELDS WITHIN ONE LSD VALUE OF HIGHEST YIELD.
**DIFFERENCES WITHIN A COLUMN ARE NOT SIGNIFICANT (NS).
#A MEASURE OF EXPERIMENTAL ERROR; A VALUE OF 15% OR LESS IS DESIRABLE.

• Table 12. 1997 corn hybrid performance trial results:

Beresford, SE Research Farm, late maturity (111 days or more),

plots thinned to a target population of 26,136 plants/acre.

BRAND & HYBRID	YIELDS AT 15.5% MOIST. 1997 (Bu/A)		1997 GRAIN MOIST. (%)	1997 BU. WT. (lb)	1997 HARVEST STAND (No./A)	1997 STALKS LODGED (%)
	1997	2-YR				
KAYSTAR KX-808	187	.	18	55	26136	0
GARST N5440	184	.	19	58	26136	1
GARST 8464	180	.	20	56	26136	2
MYCOGEN 2725	179	188	19	58	26136	1
WILSON 1664	178	.	18	57	26136	0
MYCOGEN 7250	178	196	19	57	26136	1
TERRA TR 1136	176	179	20	55	26136	0
CARGILL 7770	176	185	22	57	26136	1
STAUFFER 2207	174	191	20	57	26136	1
M-W GENETICS G 7636	174	185	16	58	26136	0
M-W GENETICS G 7711	173	189	19	57	26136	0
CARGILL 6888	172	188	19	56	26136	2
EPLEY EX3608	172	192	17	58	26136	0
ENTRIES ABOVE THIS LINE ARE IN THE TOP-YIELD* GROUP FOR 1997						
SANDS SOI 9115	168	160	17	57	26136	1
MYCOGEN 7059	167	.	20	57	26136	0
SANDS SOI 9128	167	.	18	56	26136	1
EPLEY EX3242	163	187	18	55	26136	2
SANDS SOI 9137	161	.	17	57	26136	0
CARGILL 6997	160	171	19	57	26136	0
SANDS SOI 9126	159	186	20	57	26136	0
LG SEEDS LG2574	155	.	17	56	26136	2
GOLDEN HARVEST H-2547	154	181	20	57	26136	1
TERRA E1128	153	.	20	58	26136	2
AVERAGE:	170	184	19	57	26136	1
LSD (5%):	17	NS**	1	1	NS**	1
MIN. TOP YIELD VALUE*:	171					
COEF. OF VARIATION#:	6	6				

*TOP YIELD - YIELDS WITHIN ONE LSD VALUE OF HIGHEST YIELD.
**DIFFERENCES WITHIN A COLUMN ARE NOT SIGNIFICANT (NS).
#A MEASURE OF EXPERIMENTAL ERROR; A VALUE OF 15% OR LESS IS DESIRABLE.

• Table D. Entries in the 1997 corn hybrid performance trials, (and entry index to yield tables).

NO.	BRAND & HYBRID	TABLE NO.
1	CARGILL 3677	2,3,5,7
2	CARGILL 4127	2,4,6,7
3	CARGILL 6997	10,12
4	CARGILL 6888	10,12
5	CARGILL 7770	10,12
6	CARGILL 5677	10,11
7	CARGILL 6303	8,10,11
8	CARGILL 2427	1
9	CARGILL 2777	1,3,5
10	CARGILL 3911	2,4,6,7
11	CARGILL 4111	2,4,6,7
12	CARGILL 4811	4,6,7,9
13	DEKALB DK477	2,3,5,9
14	DEKALB DK586	4,8,11
15	DEKALB DK471	2,3,7
16	DEKALB DK493	2,3,5,7
17	DEKALB DK569	10
18	DEKALB DK580	11
19	DEKALB DK527	4,6,7,9
20	DEKALB DK560	8
21	DEKALB DK566	8,10,11
22	DEKALB DK385B	1
23	DEKALB DK417	1
24	DEKALB DK449	1,5
25	DEKALB DK521	6,7
26	DEKALB DK595	8,11
27	PIONEER 3730	2,3,5,7,9
28	PIONEER 3559	4,6,7,9,11
29	PIONEER 3568	9,11
30	PIONEER 3893	1,3,5
31	PIONEER 3489	10,11
32	PIONEER 37M81	2,3,5,7,9
33	PIONEER 35R57	4,6,7,9,11
34	PIONEER 36K27	4,6,7,9
35	PIONEER 35N05	4,6,7,9,11
36	PIONEER 35M02	4,6,8,10,11
37	PIONEER 34G81	8,10,11
38	PIONEER 34K77	8,10,11
39	PIONEER 34R06	10,11
40	SEED MART 2088	1
41	SEED MART 2098	1
42	SEED MART 1097	5
43	SEED MART 1112	11
44	SEED MART 2108	7,11
45	SEED MART 2101	5,7
46	DAIRYLAND ST-1495	1
47	DAIRYLAND ST-1297	1
48	DAIRYLAND ST-1401	3
49	DAIRYLAND ST-1406	6,11
50	DAIRYLAND DST-9102	1
51	DAIRYLAND ST-1595	1,3
52	DAIRYLAND ST-1496	1
53	DAIRYLAND ST-1500	3,5
54	CURRY 2101	5
55	CURRY 2102	5
56	CURRY 2105	5,7
57	CURRY 2151	11
58	CURRY 2155	11
59	CURRY 2161	11
60	CURRY 2163	11
61	SANDS SOI 9045	6,7,9,11
62	SANDS SOI 9074	6,8,10,11
63	SANDS SOI 9115	8,10,12
64	SANDS SOI 9126	10,12
65	SANDS SOI 9027	2,4,6,7,9
66	SANDS SOI 9991	3,5
67	SANDS SOI 9998	2,3,5
68	SANDS SOI 9067	2,4,8,10,11
69	SANDS SOI 9087	11
70	SANDS SOI 9137	10,12
71	SANDS SOI 9128	10,12
72	ASGROW RX490	3,5,9
73	ASGROW RX601	7,9,11
74	ASGROW RX670	10,11
75	ASGROW RX730	11
76	ASGROW RX530	6,9
77	ASGROW RX355	1
78	GARST 8541IT	8,10
79	GARST 8771	2
80	GARST 8640	6,7,9
81	GARST N3526	11
82	GARST N4763	1
83	GARST N5806	1
84	GARST N4673	2,3,5,9
85	GARST 8780HPH	3,5
86	GARST N5579	4,6,7,11
87	GARST 8605	4,11
88	GARST 8464	10,12
89	GARST N5440	12
90	GOLDEN HARVEST H-2377	2,4,6,7
91	GOLDEN HARVEST H-2547	10,12
92	GOLDEN HARVEST H-2468	10,11
93	GOLDEN HARVEST H-2478	8,10,11
94	GOLDEN HARVEST H-2382	5
95	GOLDEN HARVEST H-2265	1
96	GOLDEN HARVEST H-2315	1,3,5
97	GOLDEN HARVEST H-2359	2,3,5,7
98	WILSON 1435	10,11
99	WILSON 1438	10,11
100	WILSON 1394	10,11
101	WILSON 1390	9,11
102	WILSON 1664	12
103	WILSON 1098	9
104	TOP FARM TFSX 2101	1,5
105	TOP FARM TFSX 2100	2,4,7
106	TOP FARM TFSX 2103	4,6
107	TOP FARM TFSX 2104	7
108	TOP FARM TFSX 2196	1,3,5
109	TOP FARM TFSX 2201	2,3,5,7
110	TOP FARM TFSX 2111	8
111	KAYSTAR KX-600	3,5
112	KAYSTAR KX-777	6,8,10,11
113	KAYSTAR KX-410	1
114	KAYSTAR KX-575	2,3,5
115	KAYSTAR KX-625	4,6
116	KAYSTAR KX-790	10,11
117	KAYSTAR KX-808	12
118	KAYSTAR X7106	6,8

Table D (continued). Entries in the 1997 corn hybrid performance trials.

NO.	BRAND & HYBRID	TABLE NO.
119	LG SEEDS LG2539	11
120	LG SEEDS LG2574	12
121	LG SEEDS LG2583	11
122	STAUFFER 2436	11
123	STAUFFER 2207	12
124	STAUFFER 2420	5
125	STAUFFER 2550	6
126	KRUGER K9609	6
127	KRUGER K9410	8,10,11
128	KRUGER K9614A	10,11
129	KRUGER K9600	5
130	KRUGER K9709	6,7,9,11
131	KRUGER K9801	2,3,5
132	KRUGER K9507IMI	6,7
133	KRUGER K9513	10,11
134	KRUGER K9711	8
135	KRUGER K9898	1,3,5
136	KRUGER K9802	2,3,5
137	KRUGER K9704	3
138	KRUGER K9703	2,5
139	KRUGER K9806	6,7,9,11
140	KRUGER K9893	1,3
141	KRUGER K9895	1,3,5
142	KRUGER K9800	2,3,5
143	KRUGER K9899	5
144	KRUGER K9904	2,3,5,7
145	KRUGER K9804	2,3,7
146	KRUGER K9705	2,4,7
147	KRUGER K9906	6,7,9,11
148	KRUGER K9706	6,7,9
149	KRUGER K9407+	6,7,9
150	KRUGER K9808+	6,7,9
151	KRUGER K9910	8,10,11
152	KRUGER K9811+	10,11
153	KRUGER K9812	10,11
154	KRUGER K9712+	10,11
155	KRUGER K9813	10,11
156	KRUGER K9713	10,11
157	JACOBSEN JS14	5
158	JACOBSEN JS4076	5
159	JACOBSEN JS4246	9
160	JACOBSEN JS4635	10,11
161	FONTANELLE 4966	11
162	FONTANELLE 4997	11
163	FONTANELLE 4567	11
164	FONTANELLE 4426	11
165	PAYCO 605	3,5
166	PAYCO 635	2,5,7
167	PAYCO 646	7
168	PAYCO 607	2,3,5,7
169	PAYCO 516	1,3,5
170	PAYCO 457	1,3,5
171	NC+ 1585	5
172	NC+ 2395	7,9
173	NC+ 3877	11
174	NC+ 4880	11
175	NC+ 2727	7
176	HOEGEMEYER 2591	7,11
177	HOEGEMEYER 2612	10,11
178	HOEGEMEYER 2614	10,11
179	HOEGEMEYER 2592	7,9
180	HOEGEMEYER 2567	11
181	HOEGEMEYER 2623	10
182	TERRA TR 990	2,5
183	TERRA TR 1087	6,8,11
184	TERRA TR 966	2,5
185	TERRA TR 1026	6,7
186	TERRA TR 1066	6,8,11
187	TERRA TR 1106	11
188	TERRA TR 1136	12
189	TERRA TR 906	1
190	TERRA E1128	12
191	TERRA E987	2,5
192	M-W GENETICS G 7350	6
193	M-W GENETICS G 7480	8
194	M-W GENETICS G 7610	11
195	M-W GENETICS G 7711	12
196	M-W GENETICS G 7636	12
197	M-W GENETICS G 7118	5
198	EPLEY EX2422	6,10,11
199	EPLEY EX2417	6,11
200	EPLEY EX1450	2
201	EPLEY EX1500	6,9,11
202	EPLEY EX3608	10,12
203	EPLEY EX3242	10,12
204	EPLEY EX1160	2,5
205	EPLEY EX1460	6,9
206	DOMESTIC DX522	5
207	DOMESTIC DX602	7,9,11
208	DOMESTIC DX404	1
209	DOMESTIC DX720	10,11
210	DOMESTIC DX307	1
211	DOMESTIC DX403	1,5
212	DOMESTIC DX550	2,3,5,7
213	DOMESTIC DX450	1,3
214	DOMESTIC DX503	5,7
215	DOMESTIC DX509	5,7
216	MYCOGEN 7250	8,10,12
217	MYCOGEN 2250	1
218	MYCOGEN 2395	1,3,5
219	MYCOGEN 2420	1
220	MYCOGEN 2500	2,3,5,7
221	MYCOGEN 2616IMI	11
222	MYCOGEN 2674	6,8,10,11
223	MYCOGEN 2677	6,8,10,11
224	MYCOGEN 2725	8,10,12
225	MYCOGEN 2292	1
226	MYCOGEN 2362	1
227	MYCOGEN 2382	1
228	MYCOGEN 2458	2,3,5
229	MYCOGEN 2545	2,4,6,7
230	MYCOGEN 2620	4,6,7,9
231	MYCOGEN 2598	4,6,8,10
232	MYCOGEN 2595	4,6,7,9
233	MYCOGEN 7059	10,12

Table D (continued). Entries in the 1997 corn hybrid performance trials.

NO.	BRAND & HYBRID	TABLE NO.	NO.	BRAND & HYBRID	TABLE NO.
234	WENSMAN MAX 78	1,3			
235	WENSMAN MAX 007	1,3			
236	WENSMAN MAX 357	1,3			
237	WENSMAN MAX 127	1,3			
238	WENSMAN MAX 747	1,3			
239	WENSMAN MAX 88	2,3			
240	WENSMAN W 4123	1,3			
241	WENSMAN W 4137	1,3			
242	WENSMAN W 4146	1,3			
243	ENESTVEDT'S E-580	7,11			
244	ENESTVEDT'S E-670	5,7			
245	ENESTVEDT'S E-605	1,5			
246	ENESTVEDT'S E-800	1,5			

• Table E. Mailing addresses of participating companies in the 1997 corn trials.

SEED COMPANY	MAILING ADDRESS
Asgrow Seed Co.	2605 East Kilgore Rd, Kalamazoo, MI 49001
Cargill Hybrid Seeds	PO Box 5645, Minneapolis, MN 55440
Curry Seed Co.	701 N.Walnut, Elk Point, SD 57025
Dairyland Seed Co.	PO Box 958, West Bend, WI 53095-0958
Dekalb Genetics Corp.	3100 Sycamore Rd., Dekalb, IL 60115
Domestic Seed & Supply	Box 466, Madison, SD 57042
Epley Bros. Hybrids Inc.	22494 Yale Ave., Shell Rock, IA 50670
Enestvedt Seed Company	RR1 Box 36, Sacred Heart, MN 56285
Fontanelle Hybrids	10981 8th ST, Nickerson, NE 68044-9706
Garst Seed	Box 647, Brandon, SD 57005
Hoegemeyer Hybrids	1755 Hoegemeyer Rd, Hooper, NE 68031
Interstate Payco Seed Co.	Box 338, 1215 Prairie Parkway, West Fargo, ND 58078
Jacobsen Hybrid Corn Co.	129 9th St Box 379, Lake View, IA 51450
Kaystar Seed	PO Box 947, Huron, SD 57350
Kruger Seed Co.	Box A, Dike IA 50624
LG Seeds	PO Box 88, Tekamah, NE 68061
Midwest Seed Genetics	PO Box 518, Carroll , IA 51401
Mycogen Seeds	PO Box 209, Olivia, MN 56277
NC+ Hybrids	Box 4408, Lincoln, NE 68504
Pioneer Hi-Bred Inter. Inc.	1919 W 57th Street, Sioux Falls, SD 57108
J.C. Robinson Seed Co.	PO Box A, Waterloo, NE 68069
Sand Seed Service Inc.	Box 648, Marcus IA 51035
Seed Mart Inc.	PO Box 126, Prescott, WI 54021
Stauffer Seeds	PO Box 68, Aurora, NE 68818
Terra International, Inc.	PO Box 6000, Sioux City, IA 51102-6000
Top Farm Hybrids Inc.	PO Box 850, Cokato, MN 55321
Wensman Seed Company	PO Box 190, Wadena, MN 56482
Wilson Seeds	PO Box 391, Harlan, IA 51537