EC02-105 Nebraska Corn Hybrid Tests, 2002

Lenis Alton Nelson
University of Nebraska-Lincoln, lnelson1@unl.edu

Robert N. Klein
University of Nebraska - Lincoln, robert.klein@unl.edu

Roger Wesley Elmore
University of Nebraska-Lincoln, roger.elmore@unl.edu

David D. Baltensperger
University of Nebraska-Lincoln, dbaltensperger@tamu.edu

Charles A. Shapiro
University of Nebraska-Lincoln, cshapiro1@unl.edu

See next page for additional authors

Authors

Lenis Alton Nelson, Robert N. Klein, Roger Wesley Elmore, David D. Baltensperger, Charles A. Shapiro, Stevan Z. Knezevic, and James Krall

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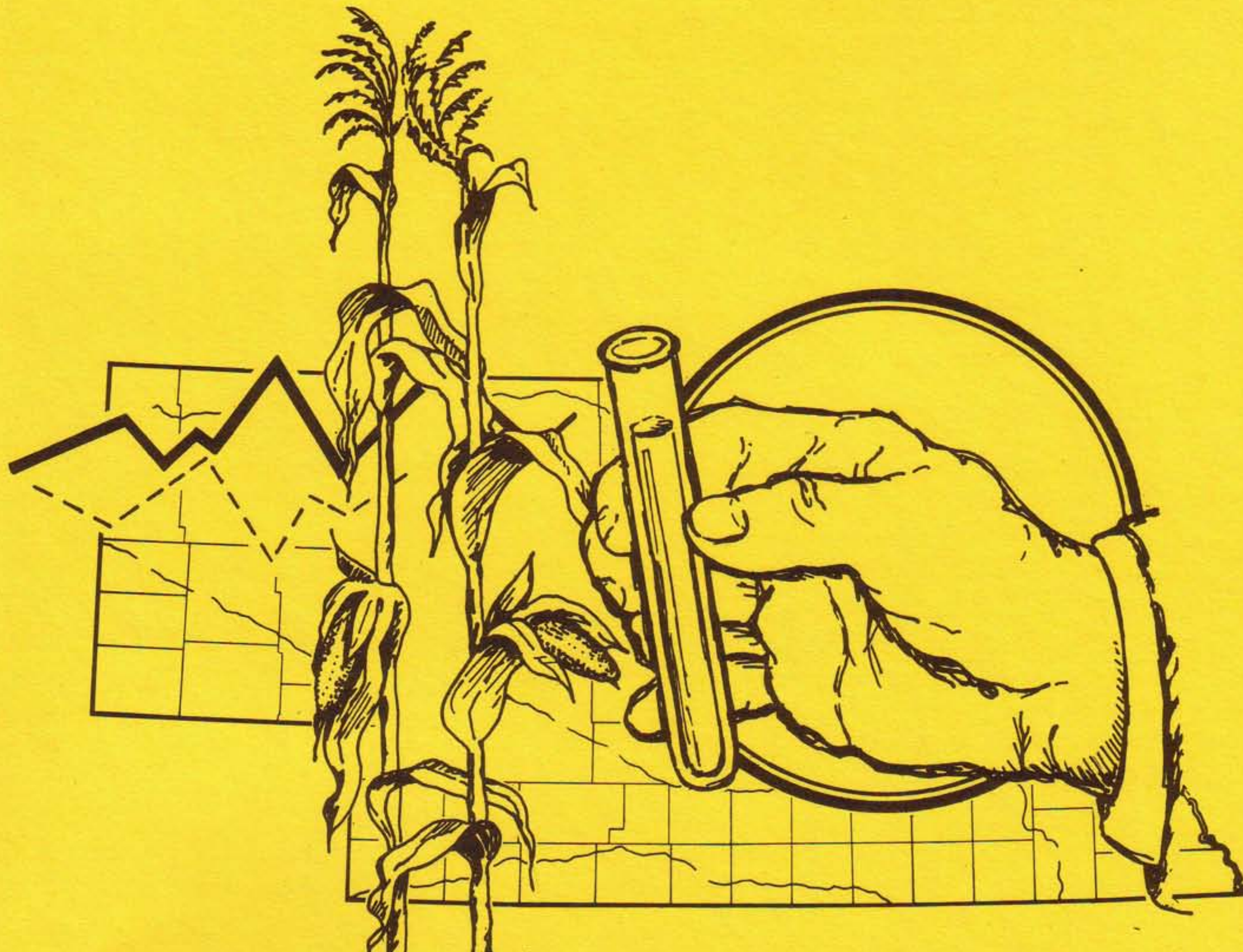

University of Nebraska–Lincoln
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December 2002

AUTHORS

Lenis A. Nelson	Department of Agronomy, Lincoln
Robert N. Klein	West Central Research and Extension Center, North Platte
Roger W. Elmore	South Central Research and Extension Center, Clay Center
David D. Baltensperger	Panhandle Research and Extension Center, Scottsbluff
Charles Shapiro	Haskell Agricultural Laboratory, Concord
Steven Knezevic	Haskell Agricultural Laboratory, Concord
James Krall	Torrington Research and Extension Center, Torrington, WY

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We invite you to visit our Web Site to view individual tables or the complete book. The URL is: http://varietytest.unl.edu/

Acknowledgment is made to Extension Educators and others who assisted in these trials. Special credit is due to farmers who furnished test sites. We also want to acknowledge the efforts made by our research technologists and technicians. John A. Eis, Jeff Golus, Greg Dorn, Glen Frickel, Bekele Abeyo, Ralph Klein, Jim Pavelka, Jerry Nachtman, Michael Mainz and Ray Brentlinger are to be commended for their efforts.

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METRIC EQUIVALENTS

1 centimeter = 0.394 inches	cm = inches x 2.54
1 hectare = 2.471 acres	ha = acres x 0.405
1 kilogram = 2.205 pounds	kg = pounds x 0.454
1 hectoliter = 2.838 bushels	hl = bushels x 0.352

Kilogram/hectoliter = lb/bu x 1.287

Kilograms/hectare = bu/A x 62.78 (56# bu)

NEBRASKA CORN HYBRID TESTS

2002

Corn production as of November 1 was forecasted at 927,000,000 bushels. Nineteen % below last year's final output and the lowest production since 1995. Average yield at 122 bu/a but 25 bushels below last year's record high and also the lowest since 1995. Irrigated corn was 162 bu/a, down 11 bushels from last year's record high. The 2002 irrigated production accounts for 82 percent of the total corn for grain production forecast. Dryland corn production was 57 bu/a, near half of last year's yield and the lowest since 1980. Significant dryland acreage has been abandoned or harvested as silage because of the effects of this year's drought. Past corn yields are reported as followed (bu/a):

	1995	1996	1997	1998	1999	2000	2001	2002
State	111	143	132	145	140	125	140	122
Irrigated	130	157	152	159	159	155	164	162
Non-irrigated	70	115	94	120	113	82	108	57

Total acreage for harvest was 7,600,000, down 2 percent from last year. Due to the effects of the drought, acres expected to be abandoned or cut for silage totaled 800,000, the largest since 1974.

2002 Crop Production Summary

Here is a summary of the 2002 corn crop. By June 16, corn condition was rated as 2% very poor, 6% poor, 29% fair, 50% good and 13% excellent, lower than last year and average. July 16, condition of dryland corn declined with the continued hot temperatures and minimal rainfall. Irrigated corn conditions rated 60% good and excellent, below the five year average of 78%. Dryland corn declined and rated 12% good and excellent, well below the average of 66%. Crop development progressed well with 31% silk on July 16, slightly ahead of last year at 24 and average for 5 years at 23. August 18, corn condition rated 30% good and excellent. Irrigated corn condition 50% good to excellent, below the five year average of 75%. Dryland corn rated 4% good and excellent, far below the average of 48%. There were 82 % of the fields in the dough stage, same as last year and above average at 77%. The crop was 41% dented, ahead of last year at 38% and average at 27%. Four percent was mature, ahead of last year at 2% and average at 1%. September 22, corn condition rated 33% good and excellent, well below the average of 62%. Irrigated corn was 51% good to excellent, below the five-year average of 75%. Dryland corn rated 8% good to excellent, far below the average of 47. Seventy percent was mature, ahead of last year at 65 and average at 67. Harvest progressed to 10% combine to date, ahead of last year at 6. November 10, corn harvest progressed to 73% complete. This compares with 92% last year and 91% average.

Thirty-two corn performance tests were planted in 2002. Test locations are shown on the map (page 12). Data from white food grade and corn silage tests are also included in this bulletin. Table A (page 10) consists of cooperators, dates of planting and harvesting.

Corn trials are conducted to provide yield and other information about corn hybrids which may be offered for sale in Nebraska. A fee from seed producers covers a portion of each test. Entry was on a voluntary basis and hybrids were selected by seed producers. At many locations, widely grown hybrids were entered by the Agronomy Department.

Table B (page 11) shows the average performance of all hybrids at each test location. Individual plots are two to four rows wide and from 15 to 35 feet long. Some experiments were planted thick and later thinned to the desired stand. Each test location had the same number of seed planted for all hybrids. The plant population represents the average harvested plant density. Temperature and rainfall data are shown on (pages 47-48). The names of the entrants and their addresses are listed in Table D (page 13). Table E (page 14) lists brand name and hybrids of the entrant.

Grain yields are expressed on a 15.5% moisture

basis. Yields shown are averages of four or more replicated plots at each location. Plots were machine harvested and grain moisture determinations were made with an electronic moisture meter or moisture sensors on the combine.

Variations in soil fertility, moisture conditions and other factors are found in each test area. This makes it impossible to measure yielding ability of hybrids with absolute accuracy. For this reason, small yield differences have little meaning. A statistical measure of differences required for significance is given in each table. These differences are computed at the 5% level of significance. At the 5% level, a difference of that magnitude would be expected once in twenty trials through chance alone. Most fields have some degree of spatial variability. This is the fourth year we have used statistical procedures for removing a portion of the spatial variability.

In these experiments, many hybrids had essentially the same grain production. Performance of hybrids varied with seasonal conditions. Great care should be used in interpreting the results of a single year test. Earlier maturing hybrids are favored in some seasons while later ones perform best in others. Some hybrids are able to withstand unfavorable weather conditions better than others which may do well under better growing conditions. Performance over a period of years should give a much better measure of adaptation. Harvest moisture, stalk strength, and resistance to insect and disease also are factors which must be considered in selecting hybrids.

Results

Relative hybrid performance often varies with locations within zones. The number of experiments conducted at each of the zones were: Southeast Dryland-2, East Central Dryland-2, Southeast Irrigated-2, South Central Irrigated-2, South Central Dryland-1, Northeast Dryland-1, Northeast Irrigated-1, Central Irrigated-2, Irrigated White corn-2, West Central Irrigated-2, Southwest Irrigated-2, Southwest No-Till-2, West Central No-Till-2, North Central Irrigated-2, West Valley Irrigated-3, West Table Irrigated-2, West & West Central Short Season No-Till-2. In zone analysis, the hybrid by location mean square was used to calculate the differences required for significance shown in the tables. Moisture at harvest is an important consideration in hybrid selection as it does affect time of harvest and drying costs although this year the grain was all quite dry at harvest.

Southeast Dryland

Two no-till trials were planted with fifty-two hybrids plus farmer entries in Otoe and Gage counties. The Otoe County test was lost due to severe drought conditions. Gage County had a heavy rain of four-five inches after planting . Poor germination and plants under water caused stands to vary combined with a severe drought which caused us to abandon the plot.

East Central Dryland

Two trials were planted with sixty-nine hybrids (pages 15-17). The Saunders County plot was under drought conditions during the summer missing needed rain. Farmer entries were Golden Harvest H8906 @ 109 bu/a, LG Seeds @ 104 bu/a, Asgrow RX740RR @ 104 bu/a, Golden Harvest H9221Bt @ 98 bu/a, H916Bt @101 bu/a, LG Seeds LG2585 @ 94 bu/a, Midland 7B15 @ 94 bu/a, Golden Harvest H9235BtRR @ 94 bu/a, Mycogen 2799 @ 95 bu/a, LG Seeds LG 2606 @ 89 Bu/a, Golden Harvest H2581 70 bu/a. Average for all entries was 93 bu/a. Burt County trial farmer entries were Hoegemeyer 2649 @ 150 bu/a, 2679 @ 147 bu/a, 2665 @ 152 bu/a, 667CL @ 149 bu/a, 2620 @ 149 bu/a, Golden Harvest H-916Bt @ 141 bu/a, H-9235Bt/RR @ 146 bu/a, H-9221Bt @ 150 bu/a, H-8906 @ 161 bu/a, LG Seeds 2587 @ 159 bu/a, and 2606 @ 148 bu/a. Average for all entries was 149 bu/a. Period-of-years data are shown on page XX.

Southeast Irrigated

York County trials had eighty-one hybrids. Hamilton County had seventy-nine entries. York County farmer entries are all Crow's 4979B @ 226 bu/a, 560 @ 229 bu/a, 540 @ 236 bu/a, 489B @ 225 bu/a, 4908 @ 227 bu/a, 5000 @ 202 bu/a, 5165B @ 245 bu/a, 4905B @ 225 bu/a, and 8553RB @ 234 bu/a. Average for all entries was 225 bu/a. Hamilton County 4 replications of 4 rows in 30 inch rows, 30 ft. in length, harvested the center 2 rows. Average of all entries was 245 bu/a. The average moisture was 17.1%. Pages 18-19 show the 2002 data and period-of-years data are shown on page 20.

Northeast Dryland

Sixty-one hybrids were included in the dryland test in Dixon County (pages 21-22). Average yield of all the entries were 125 bu/a. Period-of-years data are shown on page 23.

Northeast Irrigated

Pierce County had forty-eight hybrids were included in the irrigated plot (page 24). Average for all entries were 202 bu/a. Grain moisture was 17.5%. Over year yields are shown on page 25.

South Central Irrigated

Test plots were located in Clay County at the SCREC farm near Clay Center and Harlan County (pages 26-27). Clay County trial included 65 entries plus 4 farmer entries with 4 replications of 4 rows, 30 inch wide, 24 feet long, and harvested the center 2 rows. The Clay County average yield was 238 bu/a and an average moisture of 21.8 percent. Harlan County had 64 entries with two farm entries, 4 replications of 4 rows in 30 inch rows, 30 ft. in length, harvested the center 2 rows. Farm entries were Pioneer 31A13 @ 176 bu/a, Stauffer 2729 @ 200 bu/a. Average yield of 192 bu/a, average moisture was 15.6. Period-of-years data are shown on page 28.

South Central Dryland

This trial was in Harlan County with 16 corn entries plus 4 farm entries. Four replications of 4 rows in 30 inch, 30 ft. in length, hand harvested the center 10 ft of 2 rows. Farm entries were NC+ 3701R @ 7 bu/a, Stauffer 2517 @ 13 bu/a, Pioneer 34M95 @ 22 lb/a, and Golden Harvest 9045RR @ 1 bu/a. The average yield was 13 bu/a. The average moisture was 16.7%. This trial was planted in the same field as the South Central Dryland Grain Sorghum Hybrid trial. Grain sorghum hybrids had a yield average at this site of 63 bu/a, with a 18.8% moisture. Page 29 shows the Harlan County corn data.

Central Irrigated

Fifty-five hybrids were tested in Custer and Dawson counties. Custer County was disced twice, cultivated (conventional), pivot irrigated. The Custer County test plot averaged 215 bu/a. The Dawson County test was ridge till, furrow irrigated. Average yield was 172 bu/a. The data from these plots are shown on pages 30-31. Over year data are shown on page 32.

Southwest Irrigated

Forty-four entries with one farm entry were planted in Furnas County. Red Willow County with forty-three entries included. Ridge till-furrow irrigated. Furnas County farmer entry Pioneer 3237 @ 202 bu/a. Average for all entries was 221 bu/a. Red Willow County average for all entries was 237 bu/a. Data for this location are shown on page 33 and over year summary on page 34.

South West No-Till

Twenty-two hybrids tested in Hayes and Red Willow were no till, 2001-wheat, 2000-Fallow. Test was not harvested due to severe drought. No data is shown.

North Central Irrigated

Thirty hybrids were entered in Brown County ridge till-furrow and Brown County conventional till-pivot irrigated. Brown County furrow irrigated test had an over all average of 194 bu/a. Brown County pivot irrigated plot had an over all average of 229 bu/a. The 2002 data will be on page 35 and over year data will be on page 36.

West Central Irrigated

Yield and other data were recorded from thirty-seven hybrids tested in Lincoln County. Dundy County had thirty-six hybrids. Lincoln County, WCREC, at North Platte was ridge till-furrow irrigated. Test had yields averaging 263 bu/a. Dundy minimum tillage pivot irrigated test averages for all entries was 249 bu/a. This year and over year data are shown on pages 37 and 38.

West Central No-till

Twenty-five hybrids were tested in Lincoln and Perkins counties. Lincoln County no-till corn test was planted into wheat stubble from 2001, fallow 2000. Plot was not harvested because of severe drought. Perkins County no-till into wheat stubble, 2001-wheat. Average yield for test was 57 bu/a. Data from this locations is shown on page 39.

West Valley Irrigated

The Scotts Bluff, Morrill Counties in Nebraska and Torrington, Wyoming plots had twenty-five hybrid entries. Scotts Bluff was sprinkler irrigated. Average yields were 227 bu/a. Morrill County plot was sprinkler irrigated. Farmer entry was Garst 8590IT @ 133 bu/a.

Average yield for test was 136 bu/a. Torrington, Wyoming plot with overhead sprinkler irrigation system. Average yield for test was 157 bu/a. Scotts Bluff and Morrill Counties and Torrington, Wyoming data shown on page 40. Period-of-years yield and other data are shown on page 41.

West Table Irrigated

Irrigated trials were in Box Butte and Cheyenne Counties. Twenty-eight hybrids at each location (page 42). West table area has a higher elevation land which requires an earlier maturing hybrid than valley land. Box Butte sprinkler irrigated, conventional tillage. Average for all entries were 164 bu/a. Farm entries are Cargill 1877 @ 129 bu/a, NC+ 0850 @ 152 bu/a. Plant population was 31,000. Cheyenne County at High Plains Ag Lab using a sprinkler system average of all entries were 145 bu/a. Harvested plant population at 31,100. This the tenth year for this test. This test was hailed on Aug. 26, all leaves were stripped. Period-of-years averages are included on page 43.

Early Maturing No-Till

Torrington, WY test plot and Cheyenne County High Plains Ag Lab dryland tested with fourteen entries was of the earlier hybrids in an early maturing no-till system. Planted into no-till into winter wheat stubble. The Cheyenne County plot was not harvested due to virtually 0 yield. No data is shown.

Central White Corn Test

The Clay County irrigated plot was at the SCREC with 18 entries and 3 yellow checks in the trial, with 4 replications in 4 row plots in 30 inch rows, 24 ft in length, harvested the center 2 rows. Average yield of 209 bu/a and an average moisture of 17.1% moisture. The Dawson County irrigated trial data is not included. Data from Clay County are on page 44. Over year data are shown on page 45.

Corn Hybrid Silage Test

Cheyenne County High Plains Ag Lab sprinkler irrigated with 6 hybrid entries. Average yields 7.7 tons/a. Torrington, WY irrigated plots have 6 entries. Average 10.4 tons/a. Data from these plots are on page 46.

Cultural Practices

Otoe: Dryland. No-till. Crop history: 2001 soybean. Fertilizer: 100 lbs nitrogen anhydrous ammonia. Herbicide: 10 gal liquid N with Degree Xtra. Insecticide: None. Expected yield 120 bu/a. Nitrogen in depth sample 84 lb/a, 7.8 avg ppm, Soil pH 5.7, Buffer pH 6.6, Lime needed 4000 lb/a, Organic matter 3.6%, Silty clay loam, Bray-1 Phosphorus, ppm 28 HI, Potassium, ppm 236 VHI. Test was lost due to severe drought. Coordinates: N 40.6425 W 96.1811

Gage: Dryland. No-till. Previous crops: 2001 soybean. Preplant: 120 lbs nitrogen. Herbicide: Degree Xtra. Insecticide: None. Hand hoed plot. Expected yield 120 bu/a. Nitrogen in depth sampled 250 lb/a, 23.1 avg ppm, Soil pH 5.3, Buffer pH 6.6, Lime needed 4000 lb/a, Organic matter 2.6%, Silty clay loam, Bray-1 Phosphorus, ppm 7.1 Low, Potassium, ppm 160 VHI. Test was lost because of heavy rain after planting, and severe drought. Coordinates: N 40.2250 W 96.8780

Saunders: Dryland. No-till. Previous crop: corn, soybean rotation. Fertilizer: 150 lb N as anhydrous. Herbicide: 2.8 qt Degree Xtra, 3 oz Hornet, 8.5 oz 2,4-D ester(4L). Insecticide: None. Soil test: Nitrogen in depth sampled 113 lb/a, 10.5 avg ppm, Soil ph 5.4, Buffer pH 6.6, Lime needed 4000 lb/a, Organic matter 2.8%, Silty clay loam, Bray-1 Phosphorus 8.8 low, Potassium 353 VHI. Hand hoed plot. Coordinates: N 41.0574 W 96.6704

Burt: Dryland. Soybean, corn rotation. Fertilizer: 150 lb Urea 28% N, 100 lb 10-34-0. Herbicide: Harness Xtra. Insecticide: None. Soil test: Expected yield 120 bu/a. Nitrogen in depth sampled 230 lb/a, 21.3 avg ppm, Soil pH 6.8, Lime needed 0 lb/a, Organic matter 3.3%, Silty clay loam, Bray-1 Phosphorous, ppm 47 HI, Potassium, ppm 441 VHI. Coordinates: N 41.8872 W 96.2259

York: Gravity irrigated. Conservation tillage. Previous crop: soybeans. Fertilizer: 200 lb N, 5 gal 10-34-0 liquid. Field cultivated, ditch. Herbicide: Degree Xtra in 15 inch band. Insecticide: None. Irrigated plot on 6/22, 7/8, 7/23, 8/10, 8/22. Soil sample: Nitrogen in depth sampled 225 lb/a, 20.9 avg

ppm, Soil pH 6.0, Buffer pH 6.8, Lime needed 2000 lb/a, Organic matter 3.2%, Silty clay loam, Bray-1 Phosphorus, ppm 33 VHI, Potassium, ppm 473 VHI. Coordinates: N 40.9984 W 97.7154

Hamilton: Gravity irrigated. Sidewinder, ridge tilled at planting time. Corn 2000, beans 2001. Fertilizer: Preplant 180 lb of 82-0-0 which equals 145-150 lbs N, 5 gal. 10-34-0 at planting. Herbicide: Degree Xtra 1.5 quart in a 15 inch band pre-emerge, Callisto 3 oz, 1 pint AAtrex 4L broadcast for post emergence. Insecticide: Force 3G at 4.4 lbs/a. Soil test: Nitrogen in depth sample 51 lb/a, Soil pH 6.3, Excess Lime rating- none, Organic matter 2.6%, P ppm 18, K ppm 359, Zinc ppm 1.50. Coordinates: N 40.7819 W 98.0371

Clay: Gravity Irrigated: Crop history: beans 2001, corn 2000. Fertilizer: 160 lbs before planting, 5 gal 10-34-0, and 1 quart Zinc at planting in seed slice. Herbicide: 3.5 quarts Degree Xtra and 18 oz Roundup Ultra pre-emergence. Field preparation: Rotary hoed 15 days after planting. Insecticide: None. Soil test: Nitrogen in depth sample 64 lb/a. pH 6.5, Organic matter 2.3%, P ppm 30, K ppm 397, Zn ppm 1.83. Coordinates: N 40.5808 W 98.1446

Harlan: Gravity Irrigated. Crop history: Soybean in 2001, corn in 2000. Fertilizer: 160 lb N preplant, 80 lb 11-52-0, 7 lb N, 9 lb, P at planting. Herbicide: 2.1 qt Harness Xtra pre-emergence. Insecticide: None. Soil test results: Nitrogen in depth sample 54 lb/a, Soil pH 6.8, Organic matter 2.1%, P ppm 15, K ppm 389, Zn ppm 0.88. Coordinates: N 40.7819 W 98.0371

Harlan: Dryland. Crop history: summer fallow 2001, wheat in 2000. Fertilizer: 100 lb N preplant, 5 lb N and 10 lb P at planting. Herbicide: 2.1 qt Harness Xtra preplant and 0.75 lb Atrazine summer of 2001. Insecticide: 4 oz/1000 ft. Force 3G at planting. Soil test results: Nitrogen in depth sample 41 lb/a, Soil pH 6.0, Buffer pH 6.8, Excess lime-none, Organic matter 1.7%, P ppm 8, K ppm 403, Zn ppm 1.50. Coordinates: N 40.1513 W 99.3300

Dixon: Dryland. Crop history: Cotton/Soybeans. Fertilizer: Urea 100 lbs/a, Nitrogen 60 lb N/a using 34-0-0. Herbicide: Harness Xtra 2.3 qt/a on May 20. Carryover problem with Zorial Rapid from last years cotton. Insecticide: Lorsban 1 pt/a on July 11. Tillage: Disk. Soil test results: 0-12 inch sample: pH 6.6, O.M. 2.5%, Bray-1 35 ppm, Potassium 310 ppm, Zinc DTPA 0.84 ppm, Boron 1.75 ppm, Nitrate 96 lb/a (8.9 ppm). Coordinates: N 42.3752 W 96.9585

Pierce: Center pivot irrigated. No-till. Crop history: 2001 Soybean. Fertilizer: pre-plant 0-0-22-22-18 100 lb/a; Potash 0-0-60 200 lb/a; at planting 18 gal/a 15-15-4 -6-0.25 Zn; with herbicide 28-0-0 35 lb N/a; pivot, 8 inch tall, 8 gal/a 13-0-0-13; pivot, tassel initiation, 32-0-0 42 lb N; Irrigation water: throughout season, 17 inches 23 ppm equals 88 lb/a N, 11 lb S from 3 ppm. Herbicide: Pounce 4oz/a. Insecticide: None. Coordinates: N 42.1724 W 97.8148

Custer: Pivot irrigated. Crop history: 2001 and 2000 corn. Disc twice, cultivated (conventional). Fertilizer: 175 lb N as anhydrous, preplant 10 lb N + 20 lb P + 10 lb S + .75 lb Zn at planting. Herbicide: 2.3 qt Harness Xtra. Insecticide: 3.3 lb/a Force 36 at planting. Coordinates: N 41.5316 W 99.8265

Dawson: Ridge-till, furrow irrigated. 2001 and 2000 corn. Fertilizer: 115 lb/a N pre-plant, 15 lb N at planting. Herbicide: Harness Xtra 2.3 qt PRE, Marksman 2.5 pt POST. Insecticide: Counter 20 CR 5.4/a in T band. Hail on June 18, 20-25%, 7 leaf stage.

Furnas: Ridge-till, furrow irrigated. 2001 soybeans, 2000 corn hailed out. Fertilizer: 160 lb N as anhydrous preplant, 5 gal 10-34-0 at planting. Herbicide: Preplant 32 oz Roundup Ultra, 2.3 qt Harness Extra PRE, 1 lb Atrazine POST. Insecticide. None. Coordinates: N 40.8152 W 99.9959

Red Willow: Ridge till, furrow irrigated. Crop history: 2001 soybean, 2000 corn. Fertilizer: 117 lb N, 80 lb P preplant, 3 gal 10-34-0 at planting. Herbicide: 1.5 pt Degree Extra in 18 inch band PRE, 0.67 oz Accent POST. Insecticide: None. Coordinates: N 40.2661 W 100.6961

Lincoln: Ridge-till, furrow irrigated. 2001 soybeans, 2000 corn. Fertilizers: 8.5 gal/a 10-34-0+0.8 lb Zn at planting. 140 lb N as anhydrous preplant. Herbicides: Harness 2 pt+Atrazine. Insecticide: None. Coordinates: N 41.0872 W 100.7767

Dundy: Minimum tillage, pivot irrigated. 2001 corn, 2000 corn. Fertilizers: 19 lb N, 53 lb P, 8 lb K, 11 lb S, 0.53 lb Zn at planting; 59 lb N, 11 lb S side dressed;

107 lb N, 12 lb K, 12 lb S through irrigation. Herbicide: Harness Xtra 1.8 qt. Insecticide: Lorsban 8 oz/1000 ft, 5.12 Capture, 0.5 pt Dimethoate. Coordinates: N 40.2060 W 101.6573

Brown: Ridge till-furrow Irrigated. Crop history: 2000, 2001 corn. Fertilizer: None. Herbicide: None. Insecticide: None. Coordinates: N 42.5702 W 99.7549

Brown: Conventional till-pivot Irrigation. Crop history: 2001 soybean, 2000 corn. Fertilizer: 40 lb N, 35 lb P, 10 lb S, 12 lb N at planting. 120 lb N side dressed. Herbicide: Harness PRE, Steadfast POST. Insecticide: None. Coordinates: N 42.6251 W 99.8522

Hayes: No-till into wheat stubble. 2001 wheat, 2000 fallow. Fertilizer: None. Herbicides: None. Insecticide: Lorsban 8 oz/1000 ft.

Red Willow: No-till into wheat stubble. 2001 wheat, 2000 fallow. Fertilizer: None. Herbicide: None. Insecticide: Lorsban at 8 oz/1000 ft. Coordinates: N 40.5710 W 101.0266

Lincoln: No-till into wheat stubble. 2001 wheat, 2000 fallow. Fertilizer: 80 lb N as 32-0-0 preplant. Herbicide: Dual II Mag 1.6 pt preplant, Landmaster 64 oz preplant. Insecticides: Lorsban 8 oz/1000 ft. Coordinates: N 41.0874 W 100.7767

Perkins: No-till into wheat stubble. 2001wheat. Fertilizer: None. Herbicide: None. Insecticide: None.Coordinates: N 40.9257 W 101.8040

Box Butte: Sprinkler irrigated. Conventional tillage. 2001 dry beans. Fertilizer: 100 lb N, 30 lb P, 10 lb S. Herbicide: Buctril and Accent. Insecticide: None. N 42.12010 W102.90092

Cheyenne: Sprinkler Irrigated: 2001 Winter wheat. Fertilizer: 100 lb/a N, starter with 7 lb N + 24 lb P + .75 lb Zn, 40 lb N side dress. Herbicide: Atrazine+Dual. Coordinates: N 41.23039 W 103.01696

Scotts Bluff: Sprinkler Irrigated. Minimum tillage. Potatoes 2001. Preplant: 60 lb N, 50 lb P. Side dress 75 lb N. Herbicide: 1.75 pt/a Harness. Insecticide: None. Soil sample: Nitrogen in depth sample 68.6 lb/a, water pH 8.10, Buffered pH 7.00, Potassium ppm 628, Brady p. ppm 42.7, Sodium ppm 261, Organic matter 1.55%. Coordinates: N 41.89009 W 103.67825

Morrill: Sprinkler irrigated. Corn 2001. Starter with 19 lb N, 63 lb P, .5 Zn. Sprinkler applied 123 lb N. Herbicide: Harness and Clarity. Insecticide: None. Soil sample: Nitrogen in depth sample 34 lb/a, 3.2 avg ppm; Soil pH 8.2; Soil pH 8.2; Excess lime medium; Lime needed 0 lb/a; Organic matter 1.2%; Bray-1 P ppm 23 med; Potassium, ppm 5.9 low. Coordinates: N 41.59112 W 103.17928

Torrington, Wyoming: Sprinkler Irrigated. Fertilizer: Rate of 150-50-0. Herbicide: Degree Xtra 2.25 qt/a on May 14. Marksmen. Coordinates: N 42.559 W 104.1167

Torrington, Wyoming: Dryland Corn. Fertilizer: 150-50-0. Herbicide: 1 qt Prowl+1 qt Marksmen.

Torrington, Wyoming: Silage corn. Fertilizer: 150-50-0. Herbicide: 1 qt/a Prowl+1 qt/a Marksmen.

Cheyenne: Dryland Early Maturing. No till. Crop history: Planted no till into winter wheat. Fertilizer: 50 lb N preplant, Starter 7 lb N, 24 lb P, .75 lb Zn. Herbicide: Atrazine and Dual. Coordinates: N 41.23562 W 102.99926

Cheyenne: Sprinkler Irrigated Silage Corn: Crop history: 2001 winter wheat. Fertilizer: 100 lb N Preplant, Starter 7 lb N, 24 lb P, .75 lb Zn. Sidedress: 40 lb N. Herbicide: Atrazine and Dual. Coordinates: N 41.23039 W 103.01640

Clay: Food Grade White Corn. Irrigated by lateral move sprinkler. Crop history: Corn 2001, Soybean 2000. Fertilizer: 160 lb anhydrous pre plant, 5 gal 10-34-0 and 1 qt Zinc in the seed slice. Herbicide: Degree Xtra 3.5 qt/a, 1 pt/a Roundup Ultra pre emergence, .33 oz/a Aim 6-21-02. Insecticide: None. Soil test data: Total nitrogen 65 lb, Soil pH 6.0, Buffer pH 6.7, Excess Lime rating-none, Organic Matter 3.0%, P ppm 23, K ppm 382, Zn ppm 94. Coordinates: N 40.5808 W 98.1468

Table A. Locations, Cooperators, Soil Types, Planting and Harvest Dates - 2002

Location	Cooperator	Soil Type	Planted	Harvested
Southeast Dryland				
Gage	Larry Thimm, Beatrice	Crete silty clay loam	May 3	*
Otoe	Jim Masters, Syracuse	Zook silty clay loam	May 2	*
East Central Dryland				
Saunders	Keith Stewart, Ceresco	Sharpsburg silty clay loam	May 3	Oct. 15
Burt	Lee Valley Farms, Tekamah	Colo silty clay loam	May 7	Oct. 18
Southeast Irrigated				
York	J.D. Hirschfeld & Sons, Benedict	Hastings silt loam	May 3	Oct. 21
Hamilton	Mike Campbell, Aurora	Hastings silt loam	May 3	Oct. 21
South Central Irrigated				
Clay	SCREC, Clay Center	Hastings silt loam	May 2	Oct. 7
Harlan	Terry Woollen, Alma	Holdrege silt loam	April 23	Nov. 8
South Central Dryland				
Harlan	Terry Woollen, Alma	Holdrege silt loam	April 23	Nov. 8
Northeast				
Pierce Irrigated	Joel Carpenter, Plainview	Valentine fine sand	May 15	Oct. 29
Dixon Dryland	Haskell Ag Lab	Colo silty clay loam	May 15	Nov. 4
Southwest Irrigated				
Furnas	Steve Henry, Arapahoe	Hord silt loam	April 30	Oct. 12
Red Willow	Cappel Farms, McCook	Hord silt loam	April 26	Oct. 21
Central Irrigated				
Custer	Don Cantrell, Merna	Greybert sandy loam	April 29	Nov. 7
Dawson	Worrell Farms, Cozad	Cozad silt loam	May 9	Oct. 20
North Central Irrigated				
Brown Furrow	Steve Bejot, Ainsworth	Johnstown loam	May 15	Nov. 6
Brown (c. pivot)	Wayne Wescott, Ainsworth	Johnstown loam	May 15	Nov. 6
West Central				
Lincoln	WCREC, North Platte	Cozad silt loam	May 10	Oct. 28
Dundy	Shad Stamm, Benkelman	Valentine sand	May 6	Nov. 13
Southwest No-till				
Hayes	Tom Lawson, Hayes Center	McCash sandy loam	May 28	*
Red Willow	Randy Peters, McCook	Keith silt loam	May 19	*
West Central No-till				
Lincoln	WCREC, North Platte	Hall silt loam	May 10	*
Perkins	Mike McArtor, Grant	Mace silt loam	May 3	Oct. 14
West Table Irrigated				
Box Butte	Roger Schnell	Keith loam	May 15	Oct. 26
Cheyenne	High Plains Agriculture Lab	Keith loam	May 9	Oct. 25
West Valley Irrigated				
Scotts Bluff (furrow)	Panhandle REC, Scotts Bluff	Tripp fine sandy loam	May 10	Nov. 7
Morrill	Kirk Laux, Bridgeport	Sarben sandy loam	May 7	Oct. 26
Torrington, WY	Torrington Res. & Ext. Center	Sandy loam	May 7	Nov. 29
West Early No-Till				
Cheyenne	High Plains Agricultural Lab	Keith loam	May 4	*
Torrington, WY	Torrington Res. & Ext. Center	Sandy loam	May 15	*
West Corn Silage				
Cheyenne	High Plains Agricultural Lab	Keith loam	May 9	Sept. 3
Torrington, WY	Torrington Res. & Ext. Center	Valentine sandy loam	May 10	Oct. 19
Food Grade Corn				
Clay - White	SCREC, Clay Center	Hastings silt loam	April 25	Oct. 19
Dawson-White	Aden Farms, Gothenburg	Cozad silt loam	April 25	Oct. 26

*** Not Harvested**

Table B. Average performance at each location.

Location	Row Spacing Inches	Plant Spacing Inches	Plants Per Acre	Yield C.V. %	Grain Yield Bu/A	Harvest Moisture %	Broken Plants %	Dropped Ears %
Southeast Dryland								
Otoe	30	11.6	18000	---	---	---	---	---
Gage	30	11.6	18000	---	---	---	---	---
Southeast Irrigated								
York	30	7.5	28000	7.2	225	16.5	1	0
Hamilton	36	5.8	30000	2.8	246	17.1	1	0
East Central Dryland								
Saunders	30	11.6	18000	10.5	93	15.5	1	0
Burt	30	11.6	18000	4.7	149	16.6	0	0
South Central Irrigated								
Clay	30	7.0	30000	4.0	238	21.8	0	0
Harlan	30	7.0	30000	6.0	192	15.6	1	0
South Central Dryland								
Harlan	30	11.6	18000	57.7	13	16.7	0	0
Northeast								
Pierce Irrigated	30	8.4	25000	6.5	203	17.5	---	2
Dixon Dryland	30	11.0	19000	8.7	126	18.9	1	1
Southwest Irrigated								
Furnas	30	7.0	30000	5.0	221	15.3	1	1
Red Willow	36	5.8	30000	4.8	237	14.3	0	0
West Central Irrigated								
Custer	36	5.8	30000	4.5	215	17.8	2	0
Dawson	36	5.8	30000	5.8	172	14.0	1	0
North Central Irrigated								
Brown (furrow)	30	7.0	30000	4.8	194	17.3	2	0
Brown (c. pivot)	30	7.0	30000	4.4	229	18.8	10	0
Central Irrigated								
Lincoln	30	8.6	24400	3.0	263	17.8	1	0
Dundy	30	7.0	30000	3.7	249	18.2	6	0
Southwest No-Till								
Hayes	36	11.6	15000	---	---	---	---	---
Red Willow	36	11.6	15000	---	---	---	---	---
West Central No-Till								
Lincoln	30	13.9	15000	---	---	---	---	---
Perkins	30	13.9	15000	9.2	57	13.7	0	---
West Table Irrigated								
Box Butte	30	6.3	33000	4.4	164	13.5	1	---
Cheyenne	30	6.3	33000	7.7	145	14.0	15	1
West Valley Irrigated								
Scotts Bluff	30	6.3	33000	3.5	227	15.8	2	---
Morrill	30	6.3	33000	7.1	136	13.6	1	---
Torrington, WY	30	6.3	33000	20.4	157	14.5	6	---
West Early No-Till								
Cheyenne	30	15.0	13910	---	---	---	---	---
Torrington, WY	30	15.7	13300	---	---	---	---	---

NEBRASKA CORN TEST LOCATIONS

2002 CORN PERFORMANCE TESTS

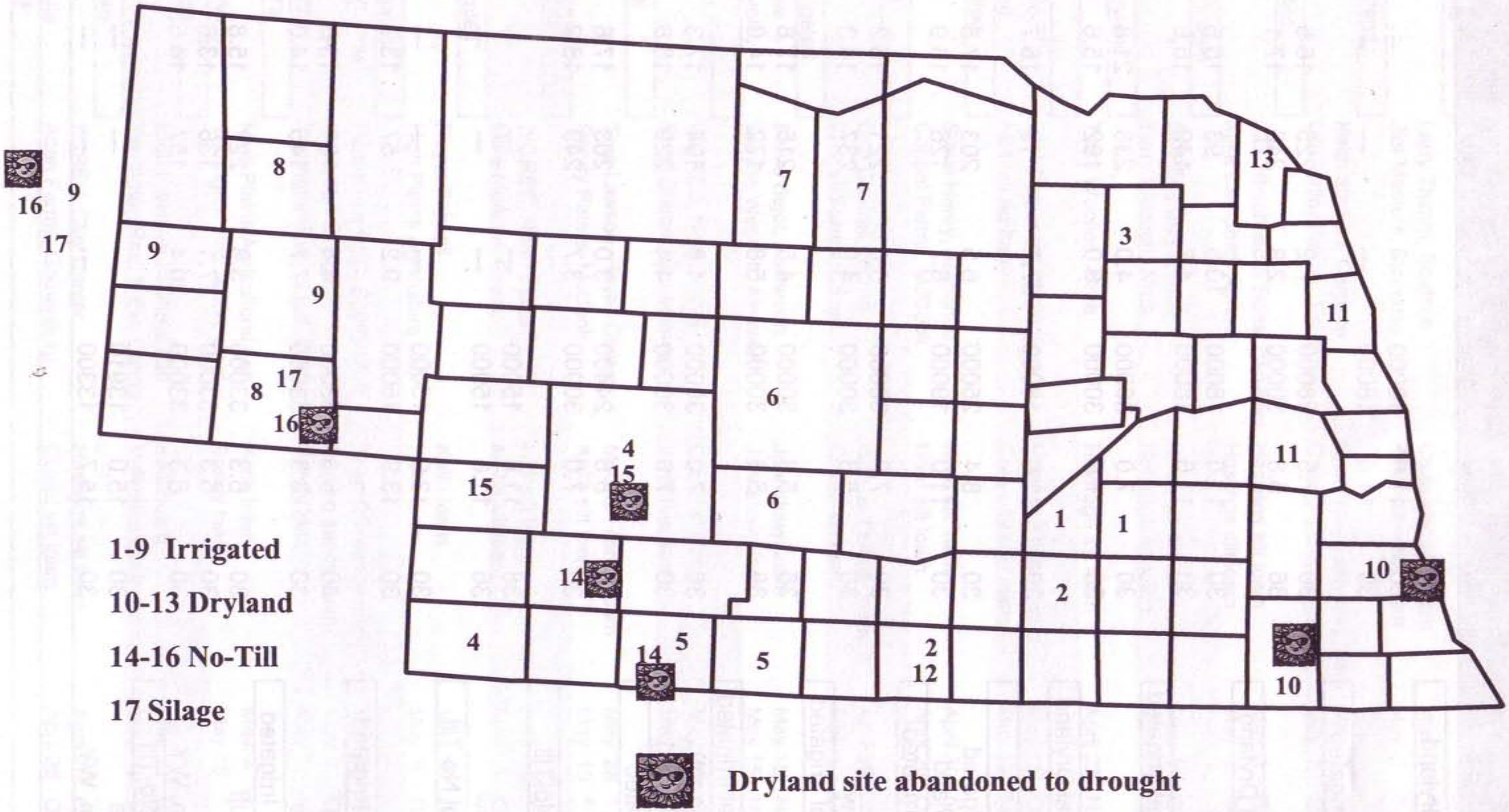

Table D. Nebraska Corn Test Entrants. 2002.

Brand	Entrant	Address
Asgrow	Monsanto	3100 Sycamore Rd, DeKalb,IL 60115
Bio Gene	Bio Gene Seeds	5491 Tri County Hwy, Sardinia, OH 45171
Bo-Jac	Bo-Jac Seed Company	245 1500th Ave, Mt. Pulaski, IL 62548
Crows	Crows Hybrid Corn Co.	P.O. Box 157, Kentland IN 47951
Dekalb	Monsanto	3100 Sycamore Rd, DeKalb,IL 60115
Den Besten	Ben Besten Seed Co.	Box 896 Platte, S.D. 57369
Epley Brothers Hybrids	Epley Brothers Hybrids Inc.	Box 310, Shell Rock IA 50670
Fontanelle	Fontanelle Hybrids	10981 8thSt., Fontanelle, NE 68044
Foundation Pilot Test	Corn States Hybrid Service	2505 McKinley Ave, Des Moines, IA 50321
Four Star Seed Company	Four Star Seed Company	P.O. Box 88, Parleersburg, IA 50665
Garst	Garst Seed Company	1104 W 18th Rd Aurora, NE 68818
Garst	Garst Seed Company	1101 Mansfield Dr, Fort Collins, CO 80525
Geertson Seed	Geertson Seed Farm	1665 Burroughs Rd, Adrian, OR 97901
Grand Valley	Grand Valley Hybrids	840 23 Road, Grand Junction, CO 81505
Hawkeye Hybrids	Hawkeye Hybrids, Inc.	2165 Idaho Drive, Pella, IA 50219
Heine	Heine Seed Corn	1020 E 320th St., Vermillion SD 57069
Kaystar Seed	Kaystar Seed	P.O. Box 947, Huron SD 57350
Kruger	Kruger Seed Company	6131 North Fork Road-Ames Ia 50010
Lfy L.L.C.	Lfy L.L.C.	1281 Fourth St., Monterey, CA 93940
LG Seeds	LG Seeds	1620 Hwy 10, Gibbon, NE 68840
Midland Seed	Phillips Seed Farms Inc.	980 Hwy 15, Hope, KS 67451
Midwest Seed Genetics	Midwest Seed Genetics	Box 518, Carroll, IA 51401
Mycogen	Mycogen Seeds	9330 Zionsville Rd, Indianapolis, IN 46268
NC+	NC+ Hybrids	Box 4408, Lincoln, NE 68504
Ottilie	Ottilie RO Seed	1462 Sanford Ave., Marshalltown, Iowa 50158
Pfister	Pfister Hybrid Corn Co.	187 N. Fayette, El Paso, IL 61738
Premium Seed	Premium Seed, Inc.	P.O. Box 218, Berwick, IL 61417
Pro Seed Tech	Pro Seed Technologies, Inc.	25E Loop Rd., Suite 312 Stony Brook NY 11790
Renze	Renze Hybrids, Inc.	27410 Kittyhawk Ave., Carroll, IA 51401
Sands	Sands of Iowa, Inc.	4765 Hwy 143 North, Marcus, Iowa 51035
Seedex	Seedex	PO Box 1477, Longmont, CO 80501
Seeds 2000	Seeds 2000	PO Box 200, Breckenridge, Mn 56520
Stine	Stine Seed Company	2225 Laaredo Tr., Adel, IA 50003
Triumph	Triumph Seed Co., Inc.	P.O.Box 1050, Ralls, TX 79357
US Seeds	United Suppliers, Inc.	30473 260th St., Box 538, Eldora, IA 50627

Table E. Brand name and hybrids of each entrant

Brand	Hybrids
AGVENTRURE	817BT##
ASGROW	RX660, RX634, RX634YG, RX730IMI, RX730YG, RX889, RX889YG, RX897RR, RX601##
BIO GENE	BG 1140, BG1141, BT 1150, BT 4220
BO-JAC	5505, 5548
CARGILL	1877##
CROPLAN	543BT##, 599BT##, 610##
CROW'S	2145, 4908, 5202, 5360, 2178, 438B, C438BT##, C4908##, C4905BT##
DEKALB GENETICS	DK537, DKC53-32(YG), DK551, DK551BtY, DK579, DKC57-72(YG), DKC57-01, DKC58-78(YG), DKC37-81(RR), DKC39-47(RR), DKC44-46(RR/YG), DKC46-28(RR), DKC48-15, DKC50-73(RR/YG), DKC51-43, DK440, DKC44-42(YG), DKC53-34(RR/YG), DKC58-24(RR/YG), DKC58-78(YG), DKC60-19(RR/YG), DKC64-01(YG), DKC42-22(YG), DKC42-70(RR) DK611##, DKC60-15##, DKC60-17##, DKC55-51##
DEN BESTEN	DB3394RRBT, DB3391BT, DB2902BT, DB2194BT, DB3299BT, DBX0202CBT, DB2205BT, DB3308BT, DB2011BT, DB2912BT, DB2110, DB2212, DB3314BT, DB3217BT, DB2611
EPLEY BROS HYBRID	E2424, E2433, E2470, E2490BT, E3223, E3283, E3608CL, E3610BT, E3620, E3630BT, E3687, E3641
FONTANELLE	5282, HC-7966BT, 5591, HC-7534RR##
FOUNDATION PILOT TEST	0101, 0101BT, 0100, 0100BT, 0103BT, 0103, 0105, 0105BT, 0108, 0108BT, 0109, 0109BT
FOUR STAR SEED	5758, 5738BT
GARST	8802RR, 8590RR, 8464IT, 7850, 8288, 8484BT/IT, 8328BT/IT, 8342GLS/BT/IT, 8461, 8348, 8371, 8578IT, 9476BT 8484BT##, 8686IT##,
GEERTSON SEED	GS1117, GS1122, GS1061
GOLDEN HARVEST	H-2547##, H-9533BT##
GRAND VALLEY	SX1161, SX1190, SX1211, SX1212, SX1227, SX1229, SX1273BT, SX1300, SX1300BT, SX1395
HAWKEYE HYBRIDS	5141RR, 00-682, 5736BT, SX70, 00-726, SX65, 02-830BT, 4430BT
HEINE	H825BT, H821, H836BT, H841BT, H822, H839
KAYSTAR	KX-630, KX-898, KX-8550RR, KX-890BT, KX-915, KX-665
KRUGER	K-9310ABT, K-9309BT, K-9211BT, K-9012CL, K-9212, K-9212RR, EX9212, K-9912CL, K-9113, K-9012BT, K-9114, K-9313, K-9212BT, K-9014BT, K-9214-1, EX315, K-9114BT, K-9315BBT, K-9315ABT, K-9315BT, K-9216A, K-9115, EX316BT, K-9017BT, K-9217, K-9217BT, K-9117, K-9014BT##
Lfy L.L.C.	MBS3811XLfy669L, MBS3811XLfy497L, FR1O64XLfy419L, Lfy860LXFR9661
L G SEEDS	LG2585, LG2606, LG2540, LG2617BT, LG2533, LG2587, LG2540##, LG2585##, LG2533BT##
MIDWEST GENETICS	G8070, G8122
MIDLAND	7B15, 7A24, 795, 795##
MYCOGEN	2424, 3631IMI, 2799##, 2833NG##, 2652##
NC+	4822, 5411, 5202B, 5790B##, 4880##, 4990B##, 5411##
NOVARTIS	N58D1##, N67T4##, N72J5##
OTTILIE	5454, 5560, 5333, 4777BT, 5267BT, 5115, 5250, 5155, 5170RR, 5156RR, 5005
PFISTER	2656, 2654, 2750, 2730, 3030BT, 3350, 1554##, 2295##
PIONEER	34D34##, 33B51##, 34N44##, 33P67##, 32R43##, 33R77##, 32R42##, 35Y54##, 34B97##, 35Y55##, 3733##, 3655##
PREMIUM SEED	P260, P265
PRO SEED TECH.	PST-467A, PST-467C
RENZE	6342, 6363, 6373, 6462, 6492, 8233BT, 8381BT, 8383BT, 8492BT, 8349BT##
SANDS	SOI9102, SOI9126, SOI9132, SOI9142
SEEDEX	SX5501, SX5704, SX6001
SEEDS 2000	2953BT
STINE	9614BT, 9616BT, 9617, 9711BT, 9803
TRIUMPH	1120BTRR, 1866BT, 1416, 1141BT, 2370RR
U.S. SEEDS	US C1141, US C1122RR, US C1111, US C1153ND, US C1132ND, US C1122RR/BT, US C952, US C1002, US C1143BT, US C1153RR/BT, US C1153, US C1072ND, US C1111ND, US C1101ND, US C1003RR, US C1153RR, US C1122BT

Widely grown hybrids that were entered by the UN-L Agronomy department

East Central Dryland Corn Hybrid Tests
Burt and Saunders Counties - 2002

IANR

Brand	Hybrid	Yield Average bu/a	Yield Burt bu/a	Yield Saunders bu/a	Grain Moisture pct	Broken Stalk pct	Dropped Ear pct	Bushel Weight lb/bu
PIONEER	33B51 ##	140	162	117	17.0	0	0	59.7
RENZE	6363	137	161	113	15.4	0	0	58.1
KAYSTAR	KX-890Bt	137	164	110	16.1	0	0	59.1
KRUGER	K-9115	136	172	100	16.9	2	0	58.4
CROW'S	5360	135	162	108	17.0	1	0	57.8
KAYSTAR	KX-8550RR	134	159	108	15.8	0	0	57.7
PIONEER	33P67 ##	133	176	89	18.5	0	1	59.2
KRUGER	K-9315 Bt	133	163	103	17.4	0	0	58.8
KRUGER	K-9912 CL	132	171	93	15.5	0	1	61.7
EPLEY BROS HYBRID	E3630Bt	129	153	105	17.4	0	0	58.0
NOVARTIS	N58D1 ##	128	148	107	14.3	0	0	60.0
RENZE	6462	128	146	109	17.1	1	2	58.2
EPLEY BROS HYBRID	E2490Bt	128	150	105	13.9	0	0	59.0
U.S.SEEDS	US C1153RR	128	165	90	16.3	0	0	59.4
EPLEY BROS HYBRID	E3223	128	153	102	16.0	1	0	57.9
KRUGER	K-9315B BT	127	153	100	14.8	0	1	57.0
PIONEER	34N44 ##	127	153	100	15.0	1	0	59.6
KRUGER	K-9212 Bt	126	150	101	16.5	1	0	59.8
EPLEY BROS HYBRID	E3687	126	161	91	16.1	0	1	59.3
FONTANELLE	5591	126	157	94	16.8	1	0	58.2
DEKALB Genetics	DKC 57-72 (YG	126	158	93	16.0	0	0	60.6
MIDLAND	795	126	145	107	18.4	2	0	57.0
KRUGER	K-9014Bt #	125	155	95	16.6	0	1	58.0
OTTILIE	5333	125	163	86	15.9	2	2	58.9
SANDS	SOI 9132	125	142	107	15.5	1	1	58.3
DEKALB Genetics	DK611 ##	124	151	97	15.7	6	2	60.6
KRUGER	K-9313	124	148	99	16.6	2	0	56.4
SANDS	SOI 9102	124	142	105	14.9	0	0	59.1
EPLEY BROS HYBRID	E3620	124	149	99	16.0	1	1	58.9
STINE	9616Bt	123	145	100	16.6	0	0	58.2
CROW'S	438B	123	143	102	14.2	0	0	58.8
EPLEY BROS HYBRID	E3610Bt	123	148	98	16.1	0	0	58.9
OTTILIE	5115	123	151	94	17.1	1	0	59.5
RENZE	8349Bt #	123	152	93	15.7	0	0	58.9
EPLEY BROS HYBRID	E2470	122	141	102	13.5	0	1	59.1
RENZE	8381Bt	122	144	99	16.9	0	0	58.4
OTTILIE	5267Bt	122	156	88	17.1	0	2	58.4
KRUGER	K-9216A	122	145	98	17.5	2	1	57.6
GARST SEED CO	8484Bt/IT	121	149	93	17.4	0	0	58.1
KRUGER	EX 316 Bt	121	146	96	17.4	0	0	58.1
SANDS	SOI 9126	120	145	94	16.2	1	1	58.4

Continued on page 2

East Central Dryland Corn Hybrid Tests Page 2
Burt and Saunders Counties - 2002

Brand	Hybrid	Yield Average bu/a	Yield Burt bu/a	Yield Saunders bu/a	Grain Moisture pct	Broken Stalk pct	Dropped Ear pct	Bushel Weight lb/bu
RENZE	8383Bt	120	151	89	17.2	0	1	58.6
RENZE	6342	120	141	98	14.5	0	0	59.5
FOUNDATION PILOT	0108Bt	119	153	84	15.9	0	0	58.5
KRUGER	K-9114 Bt	119	149	88	16.7	0	0	59.1
FONTANELLE	5282	118	161	75	16.5	0	0	57.8
ASGROW	RX730 IMI	118	141	94	16.3	0	0	57.7
ASGROW	RX730 YG	117	150	84	16.6	0	1	58.2
EPLEY BROS HYBRI	E3641	116	143	88	15.4	3	0	60.6
STINE	9614Bt	116	141	90	17.1	1	0	59.4
KRUGER	K-9117	116	148	84	16.9	6	2	59.0
DEKALB Genetics	DK579	116	143	89	15.0	0	0	60.5
FOUNDATION PILOT	0105Bt	115	149	80	16.8	1	0	59.2
EPLEY BROS HYBRI	E2424	114	136	91	13.4	0	1	58.6
EPLEY BROS HYBRI	E2433	112	134	90	13.3	3	0	58.4
EPLEY BROS HYBRI	E2484	111	140	81	14.7	0	0	61.2
LG SEEDS	LG 2617 Bt	111	156	66	17.0	0	0	58.9
FOUNDATION PILOT	0100Bt	109	137	80	12.9	5	0	60.2
EPLEY BROS HYBRI	E3283	109	130	87	14.8	0	0	58.5
KRUGER	K-9315A BT	108	136	80	16.6	0	0	59.8
GOLDEN HARVEST	H-2547 ##	107	136	77	16.1	1	0	58.9
FOUNDATION PILOT	0100	107	129	85	13.0	1	0	59.9
STINE	9617	106	124	88	15.9	0	2	59.2
FOUNDATION PILOT	0105	106	154	58	15.9	1	1	57.6
KRUGER	K-9217	105	141	68	16.9	0	2	56.2
FOUNDATION PILOT	0108	104	133	74	15.3	0	0	57.6
KRUGER	K-9217Bt	104	126	81	17.2	0	0	56.7
PIONEER	32R43 ##	102	124	79	18.5	0	1	59.1
Average all entries		121	149	93	16.0	1	0	58.7
Dif. Req. for Sig. 5%		13	14	19	1.8	NS	NS	1.5

entered by UN-L Agronomy Department

East Central Dryland Corn Hybrid Tests 2000 - 2002

IANR

Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Broken stalk pct	Dropped ear pct	Bushel weight lb/bu
		2 Year Averages				
MIDLAND	795	136	18.9	2	0	56.8
EPLEY BROS HYBRID	E3223	136	15.6	1	0	58.3
RENZE	6462	135	17.4	1	1	57.7
OTTILIE	5333	133	16.0	1	1	58.9
KRUGER	K-9014Bt #	130	15.8	0	1	58.6
RENZE	6342	129	14.7	0	0	59.4
KRUGER	K-9117	128	17.3	4	1	58.2
EPLEY BROS HYBRID	E3687	126	16.0	0	1	58.9
EPLEY BROS HYBRID	E2490Bt	125	14.0	0	0	59.1
CROW'S	438B	125	14.3	0	0	59.0
RENZE	8349Bt #	125	15.5	0	0	59.0
SANDS	SOI 9102	124	15.1	0	0	59.0
EPLEY BROS HYBRID	E3630Bt	124	16.7	0	0	58.3
PIONEER	32R43 ##	123	17.6	0	1	59.3
KRUGER	K-9217Bt	121	17.4	0	0	56.3
KRUGER	K-9212 Bt	121	15.7	1	0	59.7
EPLEY BROS HYBRID	E2470	113	13.6	0	1	59.5
EPLEY BROS HYBRID	E2433	111	13.2	2	0	58.6
EPLEY BROS HYBRID	E3283	108	14.6	0	0	58.3
Average all entries		125	15.8	1	0	58.6
Difference req. for sig. 5%		NS	1.2	NS	NS	1.0
		3 Year Averages				
MIDLAND	795	150	18.1	2	0	56.5
EPLEY BROS HYBRID	E3223	140	15.5	1	0	57.4
KRUGER	K-9014Bt #	138	15.4	0	0	57.9
RENZE	8349Bt #	136	15.1	0	0	58.4
PIONEER	32R43 ##	134	16.9	1	0	58.7
EPLEY BROS HYBRID	E2470	126	13.7	1	0	58.6
EPLEY BROS HYBRID	E2433	117	13.3	1	0	58.1
Average all entries		134	15.4	1	0	57.9
Difference req. for sig. 5%		23	1.5	NS	NS	1.3

entered by UN-L Agronomy Department

Southeast Irrigated Corn Hybrid Tests
York and Hamilton Counties - 2002

Brand	Hybrid	Yield Average bu/a	Yield York bu/a	Yield Hamilton bu/a	Grain Moisture pct	Broken Stalk pct	Dropped Ear pct	Bushel Weight lb/bu
PIONEER	33P67 ##	263	259	266	18.2	0	0	59.7
DEN BESTEN	3314Bt	262	263	260	17.7	0	0	58.6
RENZE	8492Bt	257	259	254	17.7	0	0	56.4
FONTANELLE	5282	256	257	255	17.5	1	0	57.3
DEN BESTEN	2110	255	266	243	16.7	0	0	57.2
RENZE	8383Bt	254	251	257	17.8	0	0	58.8
MIDLAND	7B15	252	243	261	17.0	0	0	57.9
KRUGER	K-9315 Bt	252	250	253	17.8	0	0	59.2
HAWKEYE	5736Bt	250	245	255	17.3	0	0	58.6
HAWKEYE	SX70	249	248	249	16.9	0	0	58.4
DEN BESTEN	2212	247	236	257	16.9	1	0	57.8
OTTILIE	5454	246	243	249	17.3	0	0	57.6
KRUGER	K-9017 Bt	245	241	249	18.4	1	0	57.1
KRUGER	EX 316 Bt	244	234	254	17.7	0	0	58.7
PIONEER	32R43 ##	244	241	246	19.7	0	0	57.6
U.S.SEEDS	US C1153RR/Bt	244	235	252	17.0	0	0	59.1
HEINE	H841Bt	244	238	250	16.7	0	0	60.5
KRUGER	K-9114 Bt	244	228	259	17.0	0	0	58.7
FOUR STAR SEED	5738Bt	243	235	251	17.4	0	0	57.9
FOUR STAR SEED	5758	243	238	248	17.4	0	0	57.2
KRUGER	K-9217Bt	243	232	253	18.3	0	0	55.5
KRUGER	K-9315B BT	243	239	246	16.6	0	0	56.3
LG SEEDS	LG 2585	242	237	246	16.9	0	0	59.0
ASGROW	RX730 IMI	241	233	248	17.1	0	0	58.0
HEINE	H825Bt ##	241	231	250	16.9	0	0	56.9
MIDLAND	7A24	241	235	247	17.0	0	0	56.6
PIONEER	33B51 ##	241	216	266	17.6	0	0	58.1
PREMIUM SEED	P260	241	236	246	17.0	0	0	57.6
KRUGER	K-9115	241	237	244	17.5	0	0	58.2
OTTILIE	5267Bt	240	228	251	17.3	0	0	57.9
U.S.SEEDS	US C1143Bt	239	224	253	17.7	0	0	58.7
HEINE	H821	238	229	247	16.0	0	0	60.3
KAYSTAR	KX-890Bt	238	235	240	16.5	0	0	58.3
HEINE	H839	238	228	247	16.4	0	0	58.2
SANDS	SOI 9132	238	225	250	16.8	0	0	58.1
OTTILIE	5333	238	226	250	16.8	0	0	58.2
NC+	5790B ##	238	230	245	17.4	0	0	56.9
PREMIUM SEED	P265	237	222	252	17.4	0	0	57.3
BO-JAC	5505	236	224	247	17.4	0	0	57.8
MIDLAND	795 #	236	239	233	17.7	0	0	58.0
TRIUMPH	1416	236	222	249	17.0	0	0	58.3
RENZE	6363	236	224	247	16.6	0	0	58.6
U.S.SEEDS	US C122RR/Bt	235	225	245	16.3	0	0	59.1

Continued on page 2

Southeast Irrigated Corn Hybrid Tests Page 2
York and Hamilton Counties - 2002

IANR

Brand	Hybrid	Yield Average bu/a	Yield York bu/a	Yield Hamilton bu/a	Grain Moisture pct	Broken Stalk pct	Dropped Ear pct	Bushel Weight lb/bu
KRUGER	K-9212 RR	235	232	237	17.0	0	0	58.1
KRUGER	K-9113	235	217	252	17.4	0	0	57.5
GARST SEED CO	8484Bt/IT	234	215	253	18.0	0	0	57.2
KAYSTAR	KX-898	234	208	260	17.1	0	0	58.3
KRUGER	K-9216A	233	220	246	17.4	0	0	56.6
RENZE	6373	233	224	242	16.5	1	0	59.0
U.S.SEEDS	US C1111	232	222	242	16.1	0	0	59.2
KRUGER	K-9313	232	213	250	17.6	0	0	56.6
OTTILIE	4777Bt	232	214	250	15.5	0	0	58.2
HAWKEYE	SX52	231	214	248	16.8	0	0	58.8
DEN BESTEN	3217Bt	231	214	247	18.6	0	0	57.0
RENZE	8381Bt	231	205	257	17.2	0	0	58.9
Pro Seed Techn.	PST-467-A	231	211	251	17.3	0	0	56.5
TRIUMPH	1120BtRR	229	221	236	16.4	0	0	59.9
SANDS	SOI 9142	229	222	236	17.1	0	0	59.3
SANDS	SOI 9126	228	215	241	16.3	0	0	58.7
Pro Seed Techn.	PST-467-C	228	210	246	16.8	0	0	58.1
PFISTER	2646	227	219	235	16.5	0	0	59.7
KRUGER	K-9315A BT	227	213	240	17.2	0	0	60.0
NOVARTIS	N67T4 ##	226	205	246	17.0	0	0	59.8
MYCOGEN	2799 ##	225	209	240	17.4	0	0	57.3
U.S.SEEDS	US C1122RR	224	206	241	16.7	0	0	59.2
DEKALB Genetics	DKC 58-78 (YG)	224	214	233	15.7	0	0	57.9
U.S.SEEDS	US C1101ND	223	209	237	16.7	2	0	60.9
GOLDEN HARVEST	H-9533Bt ##	221	201	241	17.6	0	0	58.2
DEKALB Genetics	DKC 57-01	221	212	230	15.4	0	0	59.0
ASGROW	RX730 YG	219	188	250	17.1	0	0	58.8
HEINE	H822	218	195	240	16.3	0	0	60.4
SANDS	SOI 9102	218	209	227	16.5	0	0	59.1
HEINE	H836Bt	217	207	226	16.9	0	0	59.4
STINE	9803	216	203	229	17.4	0	0	58.7
U.S.SEEDS	US C1072ND	213	208	218	17.1	0	0	59.3
U.S.SEEDS	US C1122Bt	213	211	214	18.2	0	0	57.8
PIONEER	34N44 ##	212	188	236	16.6	0	0	60.1
STINE	9616Bt	210	185	234	17.1	0	0	58.7
U.S.SEEDS	US C1111ND	196	179	213	17.4	3	0	60.9
Average all Entries		235	225	245	17.1	0	0	58.4
Dif. Req. for Sig. 5%		17	33	14	NS	NS	NS	1.4

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Southeast Irrigated Corn Hybrid Tests 2000 - 2002

IANR

Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Broken stalk pct	Bushel weight lb/bu
		2 Year Averages			
PIONEER	32R43 ##	238	19.2	0	58.1
HAWKEYE	SX70	229	17.6	4	57.7
DEN BESTEN	2110	226	17.5	2	56.5
MIDLAND	7B15	226	17.8	3	57.3
KRUGER	K-9217Bt	226	19.0	1	55.3
TRIUMPH	1120BtRR	223	16.9	1	59.2
DEN BESTEN	3217Bt	223	20.0	1	56.1
OTTILIE	4777Bt	221	15.8	0	58.4
OTTILIE	5333	218	17.7	4	57.7
RENZE	8349Bt #	217	18.3	0	57.9
DEN BESTEN	2212	217	17.8	3	57.3
KAYSTAR	KX-898	213	17.7	3	57.7
TRIUMPH	1416	213	17.9	3	57.4
MIDLAND	795	212	18.5	2	57.3
KRUGER	K-9014Bt #	211	17.6	4	57.7
STINE	9803	206	18.7	2	57.6
U.S.SEEDS	US C1111ND	186	18.3	6	59.8
Average all entries		218	18.0	2	57.6
Difference req. for sig. 5%		NS	0.6	1	0.6
		3 Year Averages			
PIONEER	32R43 ##	211	17.7	1	58.3
HAWKEYE	SX70	204	16.8	3	57.2
MIDLAND	7B15	202	16.7	3	56.9
DEN BESTEN	2212	195	16.8	3	56.8
OTTILIE	5333	191	16.7	3	57.2
RENZE	8349Bt #	191	16.3	1	57.6
KRUGER	K-9014Bt #	187	16.3	2	57.1
STINE	9803	185	17.3	1	57.4
MIDLAND	795	177	17.8	1	56.6
Average all entries		194	16.9	2	57.2
Difference req. for sig. 5%		11	NS	NS	NS

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Dixon Co. Dryland Corn Hybrid Test - 2002

IANR

Brand	Hybrid	Grain yield bu/a	Grain moisture pct	Broken plants pct	Dropped ears pct	Stalk lodging pct
NOVARTIS	N58D1 ##	148.6	18.8	0.0	0.0	0.0
HEINE	H841Bt	147.7	19.1	0.4	1.0	0.5
CROW'S	4908	145.4	18.6	0.5	0.9	0.0
KRUGER	K-9212	144.7	18.9	1.9	0.4	0.0
RENZE	8383Bt	142.4	19.3	0.0	0.5	0.0
EPLEY BROS HYBRID	E3641	141.3	18.8	1.3	0.9	0.0
KRUGER	K-9309 Bt	141.1	19.3	0.0	0.8	0.0
EPLEY BROS HYBRID	E3223	139.2	19.4	0.0	0.4	0.0
DEN BESTEN	3314Bt	137.1	18.8	0.4	0.0	0.0
KRUGER	K-9315 Bt	136.8	19.2	0.5	0.0	0.3
HEINE	H825Bt	135.9	19.5	0.1	0.0	0.0
GARST SEED CO	8484Bt/IT	135.6	19.7	0.0	0.4	0.0
DEKALB Genetics	DKC 53-32 (YG)	135.4	18.2	0.1	0.9	0.0
DEN BESTEN	2110	135.2	18.7	0.9	0.0	0.0
PIONEER	34D34 ##	134.0	18.5	0.1	0.0	0.0
EPLEY BROS HYBRID	E3610Bt	133.9	19.0	1.0	0.4	0.0
DEN BESTEN	2912Bt	133.5	18.9	0.0	0.4	0.0
HEINE	H839	133.1	19.0	0.4	0.4	0.0
MIDLAND	7A24	132.9	18.7	0.3	0.9	0.2
DEKALB Genetics	DK611 ##	131.1	19.0	1.6	0.4	0.0
KRUGER	K-9315B BT	131.1	19.2	2.1	0.9	0.0
KRUGER	EX.9212	131.0	19.2	0.2	0.4	0.0
EPLEY BROS HYBRID	E3687	130.0	18.9	0.9	2.1	0.0
STINE	9614Bt	128.6	19.4	0.0	0.0	0.0
Pro Seed Techn.	PST-467-A	128.0	18.2	1.9	0.0	0.0
EPLEY BROS HYBRID	E2484	127.9	19.0	1.3	0.4	0.0
KRUGER	K-9214-1	127.4	19.2	0.3	0.4	0.2
EPLEY BROS HYBRID	E3283	127.3	18.7	1.3	1.2	0.0
STINE	9617	127.0	18.8	0.1	0.0	0.0
KRUGER	K-9113	127.0	19.1	1.0	1.2	0.3
RENZE	6363	126.5	18.8	0.1	0.4	0.0
KRUGER	K-9211 Bt	125.1	18.5	0.0	0.9	0.3
KRUGER	K-9310A Bt	124.6	18.7	0.9	0.9	0.0
EPLEY BROS HYBRID	E2470	124.6	18.5	0.2	0.4	0.0
DEKALB Genetics	DK537	124.2	18.4	0.5	0.0	0.0
DEN BESTEN	2011Bt	123.2	19.4	1.7	0.0	0.0
ASGROW	RX730 YG	121.9	19.4	0.0	0.4	0.0
KRUGER	K-9315A BT	121.7	19.0	0.4	0.0	0.0
EPLEY BROS HYBRID	E2433	120.7	18.9	0.1	0.4	0.0
KRUGER	K-9012 Bt	120.6	19.4	0.0	0.9	0.3

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Dixon Co. Dryland Corn Hybrid Test - 2002

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IANR

Brand	Hybrid	Grain yield bu/a	Grain moisture pct	Broken plants pct	Dropped ears pct	Stalk lodging pct
EPLEY BROS HYBRID	E2490Bt	120.0	19.0	0.9	0.4	0.0
GOLDEN HARVEST	H-2547 ##	119.3	18.7	0.7	1.3	0.0
CROW'S	438B	118.9	18.7	0.4	0.0	0.0
EPLEY BROS HYBRID	E2424	118.4	18.3	0.3	1.7	0.0
RENZE	6342	118.2	19.0	0.4	0.4	0.5
HEINE	H821	116.5	18.5	0.9	1.3	0.0
KRUGER	K-9114	115.6	19.0	0.1	0.9	0.0
DEKALB Genetics	DK551BtY	115.3	18.9	0.8	0.0	0.0
KRUGER	K-9313	115.3	19.3	0.4	1.1	0.0
RENZE	8233Bt	114.7	18.5	0.0	0.5	0.5
HEINE	H822	113.7	18.9	0.8	0.0	0.3
EPLEY BROS HYBRID	E3630Bt	112.6	19.3	0.4	0.4	0.0
HEINE	H836Bt	112.3	19.5	2.2	1.7	0.0
SANDS	SOI 9102	112.2	18.4	1.5	0.0	0.0
DEN BESTEN	3308Bt	109.7	19.0	0.5	0.9	0.0
DEKALB Genetics	DK551	109.4	18.7	1.2	0.9	0.0
EPLEY BROS HYBRID	E3620	108.7	18.9	0.6	1.4	0.0
Pro Seed Techn.	PST-467-C	107.5	18.9	0.1	0.5	0.0
SANDS	SOI 9126	106.2	18.7	0.5	0.0	0.0
RENZE	8381Bt	100.8	19.0	0.8	1.4	0.0
KRUGER	K-9012 CL	95.6	19.2	0.1	2.2	0.0
Average all entries		125.5	18.9	0.6	0.6	0.0
Difference required for significance 5%		22.0	0.6	1.5	NS	NS

entered by UN-L Agronomy Department

Northeast Dryland Corn Hybrid Tests 2000 - 2002

Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Broken stalk pct	Dropped ear pct	Bushel weight lb/bu
			2 Year Averages			
NOVARTIS	N58D1 ##	160	18.3	2	0	54.3
CROW'S	C4908	150	18.0	3	1	55.1
ASGROW	RX730 YG	148	18.8	1	0	55.0
EPLEY BROS HYBRID	E3687	147	18.3	4	1	55.2
DEN BESTEN	2110	147	18.3	3	1	53.9
KRUGER	K-9211 Bt	147	18.0	1	1	55.0
PIONEER	34D34 ##	146	18.1	1	0	55.9
EPLEY BROS HYBRID	E3223	146	18.6	3	1	54.2
DEKALB Genetics	DK611 ##	145	18.5	2	0	52.9
EPLEY BROS HYBRID	E2470	142	18.0	0	0	54.1
KRUGER	K-9114	142	18.4	1	1	54.9
EPLEY BROS HYBRID	E3630Bt	140	18.6	0	0	54.2
GOLDEN HARVEST	H-2547 ##	139	18.2	2	2	53.2
RENZE	6342	139	18.2	1	0	56.3
EPLEY BROS HYBRID	E3283	138	18.3	2	1	55.2
EPLEY BROS HYBRID	E2490Bt	137	18.3	1	0	55.0
EPLEY BROS HYBRID	E2433	135	18.4	1	1	53.7
SANDS	SOI 9102	131	18.1	2	0	54.0
CROW'S	C438B	129	18.1	0	0	53.7
HEINE	H821	123	18.2	2	1	56.3
Average all entries		142	18.3	2	1	54.6
Difference req. for sig. 5%		NS	0.4	NS	NS	NS
			3 Year Averages			
NOVARTIS	N58D1 ##	153	16.8	1	0	53.9
DEKALB Genetics	DK611 ##	140	17.1	2	0	54.1
GOLDEN HARVEST	H-2547 ##	138	16.8	1	1	50.8
CROW'S	4908	137	16.5	2	0	55.3
EPLEY BROS HYBRID	E2433	135	16.9	1	1	51.4
HEINE	H821	130	16.7	2	0	55.3
Average all entries		139	16.8	2	0	53.5
Difference req. for sig. 5%		NS	0.3	NS	NS	NS

entered by UN-L Agronomy Department

South Central Irrigated Corn Hybrid Tests
Clay and Harlan Counties - 2002

IANR

Brand	Hybrid	Yield Average bu/a	Yield Clay bu/a	Yield Harlan bu/a	Grain Moisture pct	Broken Stalk pct	Dropped Ear pct
HAWKEYE	SX70	236	258	213	18.5	0	0
KAYSTAR	KX-890Bt	235	258	211	18.1	0	0
FONTANELLE	5282	232	253	210	18.7	0	0
KRUGER	K-9114 Bt	231	260	201	18.8	0	0
PIONEER	33P67 ##	230	257	203	19.5	1	0
PFISTER	2656	229	250	208	18.0	0	0
KAYSTAR	KX-898	229	250	207	18.2	1	0
PFISTER	2750	228	251	204	18.6	1	1
DEN BESTEN	2212	227	253	201	18.6	0	1
KRUGER	K-9114	226	244	207	18.1	0	0
ASGROW	RX889	225	251	198	19.7	1	0
HAWKEYE	314Bt	225	243	206	18.9	0	0
RENZE	6363	224	249	198	18.3	0	0
KRUGER	K-9313	221	238	203	19.1	1	0
KRUGER	K-9315 Bt	221	251	190	19.0	1	0
KRUGER	K-9217Bt	221	238	203	18.6	1	0
LG SEEDS	LG 2606	221	246	196	18.3	0	0
BO-JAC	5548	220	240	200	18.8	2	0
KRUGER	K-9315B BT	220	247	193	17.5	1	0
M/W GENETICS	G 8122	220	250	190	19.1	1	0
OTTILIE	5333	220	250	190	18.1	1	0
PFISTER	2730	220	234	206	18.8	0	0
OTTILIE	5250	219	255	183	18.3	1	0
RENZE	8492Bt	219	245	193	18.8	0	1
ASGROW	RX730 YG	219	232	205	18.6	0	0
CROW'S	5202	218	243	193	18.5	0	0
M/W GENETICS	G 8070	218	238	197	18.3	1	0
DEN BESTEN	3314Bt	217	242	191	18.7	0	0
KRUGER	K-9017 Bt	216	230	201	19.5	1	0
PIONEER	33B51 ##	216	234	198	19.1	0	0
KRUGER	K-9212 RR	215	235	194	18.1	0	0
RENZE	8383Bt	215	243	187	18.5	0	0
CROW'S	C5360 ##	214	225	203	18.9	0	0
U.S.SEEDS	US C1111	214	231	197	17.1	0	0
HAWKEYE	SX65	214	236	191	18.5	2	0
KRUGER	EX 316 Bt	214	232	195	18.6	0	0
NOVARTIS	N67T4 ##	214	238	190	18.4	0	0
RENZE	6373	213	231	194	18.0	1	0
KRUGER	K-9113	213	231	194	18.3	1	0
GARST SEED CO	8484Bt/IT	213	233	192	19.1	0	0
KRUGER	K-9315A BT	213	239	186	18.9	1	1
OTTILIE	5267Bt	212	238	186	18.5	2	0
STINE	9614Bt	211	227	195	18.7	1	0

Continued on page 2

South Central Irrigated Corn Hybrid Tests Page 2
Clay and Harlan Counties - 2002

IANR

Brand	Hybrid	Yield Average bu/a	Yield Clay bu/a	Yield Harlan bu/a	Grain Moisture pct	Broken Stalk pct	Dropped Ear pct
ASGROW	RX730 IMI	211	227	194	18.8	0	0
BIO GENE	BG 1140	211	248	173	19.5	1	0
ASGROW	RX889 YG	210	222	198	17.9	0	0
DEN BESTEN	3217Bt	208	234	182	19.5	0	0
GARST SEED CO	8288 ##	208	234	181	20.0	1	0
KRUGER	K-9217	208	244	172	18.5	0	0
NC+	5790B ##	207	221	193	19.0	2	0
GOLDEN HARVEST	H-9533Bt ##	207	235	179	19.9	0	0
RENZE	6492	207	230	184	18.9	0	1
OTTILIE	5454	207	222	191	18.6	1	0
MYCOGEN	2799 ##	206	226	186	18.6	0	0
PFISTER	2646	206	227	185	17.9	0	0
PFISTER	3030Bt	204	238	169	19.0	0	0
BIO GENE	BG 1141	204	226	182	19.1	1	0
TRIUMPH	1120BtRR	202	229	175	17.7	0	0
U.S.SEEDS	US C1122Bt	202	221	183	19.0	0	0
U.S.SEEDS	US C1122RR	199	220	178	18.0	1	1
U.S.SEEDS	US C1111ND	196	203	188	19.4	3	0
U.S.SEEDS	US C1101ND	188	210	166	17.6	4	0
U.S.SEEDS	US C1153ND	179	205	152	18.9	4	0
U.S.SEEDS	US C1132ND	177	192	162	20.6	1	0
Average all Entries		214	238	192	18.7	1	0
Dif. Req. for Sig. 5%		16	19	23	0.9	NS	NS

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South Central Irrigated Corn Hybrid Tests 2000 - 2002

IANR

Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Broken stalk pct	Dropped ear pct
		2 Year Averages			
PFISTER	2656	235	18.4	1	0
M/W GENETICS	G 8122	235	19.2	0	0
HAWKEYE	SX70	235	18.8	1	0
CROW'S	C5360 ##	232	19.1	1	0
PFISTER	2750	232	18.9	1	0
KRUGER	K-9114	232	18.6	1	0
OTTILIE	5333	228	18.7	1	0
KRUGER	K-9217Bt	226	19.1	1	0
HAWKEYE	SX65	222	19.0	1	0
KRUGER	K-9217	220	19.1	0	0
GARST SEED CO	8288 ##	219	20.3	1	0
GARST SEED CO	8288	219	20.3	1	0
OTTILIE	5454	212	18.9	1	0
U.S.SEEDS	US C1122Bt	206	19.0	0	0
U.S.SEEDS	US C1111ND	204	19.5	2	0
Average all entries		224	19.1	1	0
Difference req. for sig. 5%		13	0.5	NS	NS
		3 Year Averages			
PFISTER	2656	232	17.6	0	2
PFISTER	2750	230	18.3	0	1
HAWKEYE	SX70	229	18.4	1	0
KRUGER	K-9114	225	18.2	1	0
OTTILIE	5333	224	18.3	2	0
HAWKEYE	SX65	216	18.6	2	2
Average all entries		226	18.2	1	1
Difference req. for sig. 5%		10	0.7	NS	NS

entered by UN-L Agronomy Department

Harlan Co. Dryland Corn Hybrid Test - 2002

IANR

Brand	Hybrid	Grain yield bu/a	Grain moisture pct	Broken stalk pct	Dropped ears pct	Plants per acre	Barren stalks /plot	Stalk lodging pct
DEKALB Genetics	DKC 57-72 (YG)	39	16.8	0	1	20510	5	0
DEKALB Genetics	DK579	31	15.4	0	1	19050	5	0
PIONEER	33B51 ##	28	17.8	0	1	19340	8	0
GARST SEED CO	8328Bt/IT	23	18.0	0	0	19600	7	1
NC+	5790B ##	22	18.7	0	0	19400	10	0
Pro Seed Techn.	PST-467-A	21	16.2	0	1	19600	10	0
Pro Seed Techn.	PST-467-C	17	17.9	0	0	17620	13	0
OTTILIE	5454	14	17.2	0	1	20160	12	0
DEN BESTEN	2212	12	17.2	0	0	17420	9	0
ASGROW	RX730 YG	5	17.8	0	0	19210	20	0
DEN BESTEN	2011Bt	4	15.5	0	0	18220	20	0
DEN BESTEN	3314Bt	4	19.6	0	0	19010	21	1
NOVARTIS	N67T4 ##	4	16.9	0	0	19210	22	0
ASGROW	RX730 IMI	2	13.2	0	0	19400	22	0
OTTILIE	5333	1	16.6	0	0	20280	22	0
DEN BESTEN	3217Bt	1	16.6	0	0	18610	21	4
Average all entries		13	16.7	0	0	19030	15	0
Difference required for significance 5%		15	1.3	NS	1	1650	8	2

Barren stalks are the number of stalks in 25 that have no ears. Caused by extreme drought stress.

Entries made by UN-L Department of Agronomy

Central Irrigated Corn Hybrid Tests
Custer and Dawson Counties - 2002

Brand	Hybrid	Yield Average bu/a	Yield Custer bu/a	Yield Dawson bu/a	Grain Moisture pct	Broken Stalk pct	Drpd Ear pct	Bushel Weight lb/bu
MYCOGEN	2833 NG ##	218	230	206	16.0	1	0	59.5
HAWKEYE	SX65	216	233	198	16.4	2	0	57.1
DEN BESTEN	3314Bt	213	231	194	17.3	0	0	58.9
PIONEER	33P67 ##	210	230	189	16.6	2	0	59.6
ASGROW	RX730 IMI	209	224	194	16.1	2	0	58.2
PIONEER	34B97 ##	209	227	191	15.3	2	1	58.4
LG SEEDS	LG 2585 ##	208	227	189	16.1	3	0	58.6
LG SEEDS	LG 2540 ##	205	226	184	14.8	1	0	58.4
ASGROW	RX730 YG	205	237	172	16.3	1	0	57.2
PIONEER	33B51 ##	205	240	170	16.9	1	1	58.3
KAYSTAR	KX-898	203	221	185	16.2	3	1	59.0
OTTILIE	4777Bt	203	223	183	15.4	1	0	58.1
DEN BESTEN	2212	203	229	177	16.0	4	1	57.9
OTTILIE	5333	203	215	191	16.6	4	1	58.4
OTTILIE	5267Bt	202	226	178	16.1	1	0	58.2
DEKALB Genetics	DKC 60-19 (RR/YG)	202	236	167	15.9	1	0	59.1
ASGROW	RX660	202	221	182	14.5	1	0	59.7
GARST SEED CO	8461	202	230	173	15.7	3	0	56.8
HAWKEYE	4430Bt	202	221	183	16.3	1	0	58.1
DEKALB Genetics	DKC 57-72 (YG)	200	225	175	15.9	1	0	59.7
DEN BESTEN	2011Bt	199	230	168	16.1	1	0	57.0
DEN BESTEN	2611	199	222	175	16.1	3	0	58.7
GARST SEED CO	8484Bt/IT	199	237	161	16.3	1	0	58.0
DEN BESTEN	2912Bt	198	225	170	16.3	2	0	58.2
DEKALB Genetics	DKC 60-15	198	221	175	15.4	5	0	58.1
DEKALB Genetics	DKC 58-78 (YG)	197	214	179	15.1	1	0	58.8
AGVentrure	817 Bt ##	195	226	163	16.3	1	0	57.5
MYCOGEN	6912	195	207	182	16.1	2	0	59.2
DEN BESTEN	3308Bt	195	218	171	15.6	1	0	57.2
FOUNDATION PILOT	0108Bt	194	224	164	15.7	2	1	56.8
GARST SEED CO	8288	194	197	191	18.2	2	0	59.2
KAYSTAR	KX-8550RR	194	215	173	15.6	2	0	59.1
U.S.SEEDS	US C1143Bt	194	222	166	16.4	2	0	58.8
U.S.SEEDS	US C122RR/Bt	193	220	166	16.1	1	0	59.2
FOUNDATION PILOT	0103Bt	193	202	183	15.3	1	0	58.1
DEN BESTEN	2110	193	214	171	16.0	3	0	56.9
PIONEER	32R42 ##	193	201	185	17.9	2	0	58.9
OTTILIE	5005	192	208	175	14.8	2	0	57.0
STINE	9803	189	206	171	16.6	1	0	58.5
TRIUMPH	1120BtRR	187	218	155	15.9	1	0	58.7
FOUNDATION PILOT	0103	187	200	173	14.5	1	0	58.5

Continued on page 2

Central Irrigated Corn Hybrid Tests Page 2
Custer and Dawson Counties - 2002

IANR

Brand	Hybrid	Yield Average bu/a	Yield Custer bu/a	Yield Dawson bu/a	Grain Moisture pct	Broken Stalk pct	Dropped Ear pct	Bushel Weight lb/bu
DEKALB Genetics	DK579	184	195	173	15.7	1	0	58.2
DEKALB Genetics	DKC 58-24 (RR/YG)	181	216	146	14.5	1	0	58.9
NC+	4880##	181	202	159	16.0	2	0	58.6
FOUNDATION PILOT	0101Bt	181	206	155	14.5	0	0	59.8
U.S.SEEDS	US C1101ND	178	202	154	16.0	6	0	59.5
U.S.SEEDS	US C1111	177	208	145	14.4	4	0	57.7
FOUNDATION PILOT	0101	175	202	147	14.4	1	0	59.3
STINE	9614Bt	174	204	143	16.2	3	0	58.7
U.S.SEEDS	US C1072ND	169	195	142	15.7	4	0	58.5
U.S.SEEDS	US C1111ND	169	193	144	16.5	5	0	59.6
FOUNDATION PILOT	0108	168	183	152	15.5	2	0	57.8
PIONEER	35Y54 ##	164	190	137	14.8	2	0	58.4
U.S.SEEDS	US C1132ND	161	164	158	18.5	2	0	56.4
U.S.SEEDS	US C1153ND	149	165	132	17.1	4	0	58.1
Average all entries		193	215	172	15.9	2	0	58.4
Dif. Req. for Sig. 5%		21	19	20	1.3	2	NS	NS

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Central Irrigated Corn Hybrid Tests 2000 - 2002

IANR

Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Broken stalk pct	Bushel weight lb/bu
		2 Year Averages			
HAWKEYE	SX65	214	17.2	1	58.2
OTTILIE	4777Bt	211	15.6	1	58.9
OTTILIE	5267Bt	209	16.6	1	59.2
DEN BESTEN	2212	207	16.9	3	59.0
HAWKEYE	4430Bt	207	16.6	1	59.3
PIONEER	33P67 ##	207	17.7	2	60.3
DEN BESTEN	2912Bt	206	16.6	1	58.9
DEN BESTEN	2611	204	16.6	1	59.8
TRIUMPH	1120BtRR	201	16.5	1	59.4
DEN BESTEN	2110	189	16.6	2	58.3
DEKALB Genetics	DK579	182	16.2	0	59.6
Average all entries		203	16.6	1	59.2
Difference req. for sig. 5%		16	0.7	1	1.0
		3 Year Averages			
OTTILIE	4777Bt	208	15.4	0	58.0
HAWKEYE	SX65	207	17.0	1	58.0
HAWKEYE	4430Bt	205	16.5	0	58.4
OTTILIE	5267Bt	204	16.6	1	58.7
PIONEER	33P67 ##	204	17.6	1	60.2
DEN BESTEN	2912Bt	202	16.3	1	58.7
DEN BESTEN	2611	198	16.4	1	59.4
DEKALB Genetics	DK579	187	15.6	0	59.2
Average all entries		202	16.4	1	58.8
Difference req. for sig. 5%		19	0.9	1	1.3

entered by UN-L Agronomy Department

Southwest Irrigated Corn Hybrid Tests
Furnas and Red Willow Counties - 2002

IANR

Brand	Hybrid	Yield Average bu/a	Yield Furnas bu/a	Yield Red Willow bu/a	Grain Moisture pct	Broken Stalk pct	Drpd Ear pct	Bushel Weight lb/bu
KAYSTAR	KX-915	259	241	276	17.1	1	0	60.3
GARST SEED CO	8371	253	249	257	15.0	1	0	59.0
M/W GENETICS	G 8070	252	257	247	15.3	1	0	58.9
PIONEER	33R77 ##	248	240	256	14.8	1	0	58.7
PIONEER	33P67 ##	247	236	258	14.8	0	0	61.1
OTTILIE	5115	244	234	253	15.6	0	0	58.3
GARST SEED CO	8288	244	238	249	15.6	1	1	58.0
U.S.SEEDS	US C1153RR	243	214	271	14.7	1	1	59.1
ASGROW	RX897RR	243	221	265	16.4	1	1	59.4
HAWKEYE	SX70	243	247	238	14.6	2	0	58.0
KAYSTAR	KX-890Bt	243	243	242	14.1	1	0	59.8
FONTANELLE	HC-7966 Bt	242	231	252	15.3	0	1	58.5
OTTILIE	5454	241	247	234	14.5	1	1	58.4
NORTHRUP KING	N 72J5 ##	240	228	251	14.6	0	0	58.5
OTTILIE	5333	240	239	241	14.4	1	1	59.4
LG SEEDS	LG 2617 Bt	240	234	246	14.8	0	0	58.4
HAWKEYE	314Bt	238	224	251	15.3	1	1	59.2
KAYSTAR	KX-898	238	246	230	14.2	1	1	57.9
U.S.SEEDS	US C1153RR/Bt	236	228	243	14.6	0	0	59.0
M/W GENETICS	G 8122	234	241	226	15.2	0	0	57.9
U.S.SEEDS	US C1153	232	215	249	15.2	1	0	57.9
U.S.SEEDS	US C1143Bt	231	238	224	15.2	1	1	59.0
OTTILIE	5267Bt	231	234	228	14.9	1	0	60.0
NC+	5411 ##	231	224	238	14.8	1	1	58.6
PIONEER	32R42 ##	231	208	253	15.3	1	1	59.3
NC+	4990B ##	230	225	235	14.9	1	0	58.6
DEKALB Genetics	DKC 64-01 (YG)	230	232	227	14.7	0	1	58.9
NC+	4880##	227	221	232	14.8	0	1	59.4
DEKALB Genetics	DKC 57-72 (YG)	226	224	228	13.9	0	0	59.7
U.S.SEEDS	US C1111	226	219	232	13.2	2	1	59.0
HAWKEYE	SX65	224	231	217	15.1	1	0	59.1
U.S.SEEDS	US C122RR/Bt	224	210	237	13.7	0	0	59.2
U.S.SEEDS	US C1132ND	223	194	252	18.4	1	0	57.0
DEKALB Genetics	DKC 60-19 (RR/YG)	222	222	222	14.8	0	0	58.3
PIONEER	33B51 ##	219	202	235	14.5	0	0	59.2
GARST SEED CO	8484Bt ##	217	209	225	15.1	0	0	58.4
TRIUMPH	1120BtRR	216	217	214	14.0	0	0	59.9
ASGROW	RX730 YG	213	207	218	15.0	1	0	57.5
ASGROW	RX730 IMI	211	205	217	15.5	1	1	57.8
GEERTSON SEED	GS-1122	208	209	207	13.2	1	1	60.4
GEERTSON SEED	GS-1117	207	203	211	14.6	1	0	59.4
U.S.SEEDS	US C1153ND	194	174	213	15.0	1	2	59.0
DEKALB Genetics	DK579	189	186	191	13.1	1	0	59.6
Average all Entries		229	221	237	14.8	1	0	58.9
Dif. Req. for Sig. 5%		29	22	23	1.4	NS	NS	NS

entered by UN-L Agronomy Department

Southwest Irrigated Corn Hybrid Tests 2000 - 2002

Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Broken stalk pct	Dropped ear pct	Bushel weight lb/bu
		2 Year Averages				
OTTILIE	5333	227	15.1	1	0	59.1
PIONEER	33P67 ##	227	15.7	2	0	60.8
KAYSTAR	KX-898	224	14.9	1	1	58.7
NC+	5411 ##	223	15.5	1	0	58.8
PIONEER	33B51 ##	220	15.6	3	0	59.6
OTTILIE	5454	218	15.7	1	1	58.6
OTTILIE	5267Bt	217	15.2	0	0	60.5
TRIUMPH	1120BtRR	212	14.7	1	0	60.0
U.S.SEEDS	US C122RR/Bt	209	14.7	0	0	59.4
GEERTSON SEED	GS-1117	200	15.0	1	0	59.2
Average all entries		218	15.2	1	0	59.5
Difference req. for sig. 5%		NS	NS	NS	NS	1.0
		3 Year Averages				
PIONEER	33P67 ##	214	15.0	2	0	60.7
OTTILIE	5267Bt	209	13.9	1	0	60.6
GEERTSON SEED	GS-1117	195	13.9	1	0	59.3
Average all entries		206	14.3	1	0	60.2
Difference req. for sig. 5%		NS	NS	NS	NS	0.9

entered by UN-L Agronomy Department

North Central Irrigated Corn Hybrid Tests
Brown Furrow and Pivot - 2002

Brand	Hybrid	Yield Average bu/a	Yield Furrow bu/a	Yield Pivot bu/a	Grain Moisture pct	Broken Stalk pct	Dropped Ear pct	Bushel Weight lb/bu
DEKALB Genetics	DKC 58-78 (YG)	227	208	246	18.4	3	0	57.7
OTTILIE	4777Bt	225	218	232	18.4	3	0	58.0
DEN BESTEN	3308Bt	222	204	240	18.9	4	0	57.1
LG SEEDS	LG 2540 ##	221	199	242	19.0	6	1	57.0
LG SEEDS	LG 2585 ##	221	202	240	19.9	7	0	56.0
LG SEEDS	LG2533 Bt ##	221	195	247	18.8	3	0	57.8
DEKALB Genetics	DKC 60-17 ##	220	213	226	19.5	15	0	56.8
KAYSTAR	KX-8550RR	219	200	238	19.1	7	0	56.7
CROW'S	5202	219	218	220	23.1	4	0	56.5
LG SEEDS	LG 2533	218	197	239	18.4	3	0	57.8
PIONEER	34B97 ##	218	196	240	18.5	5	0	58.6
DEKALB Genetics	DKC 55-51	217	197	236	17.1	9	1	58.7
OTTILIE	5005	216	188	243	18.5	6	0	58.1
DEKALB Genetics	DKC 58-24 (RR/YG)	215	190	240	16.6	6	0	57.7
PIONEER	35Y55 ##	214	194	234	17.6	2	0	58.8
DEKALB Genetics	DKC 53-32 (YG)	214	188	240	17.4	2	0	57.9
CROPLAN	543 Bt ##	214	194	233	17.8	3	0	58.5
DEN BESTEN	X0203CBt	211	189	233	16.2	3	0	59.4
CROPLAN	610 ##	210	191	228	18.5	4	0	57.4
GARST SEED CO	9476Bt	209	199	218	18.7	4	0	58.9
DEKALB Genetics	DKC 53-34 (RR/YG)	209	186	231	16.5	5	0	57.1
DEKALB Genetics	DK551BtY	203	190	215	16.6	14	1	56.8
DEKALB Genetics	DK551	203	198	208	15.8	10	1	59.2
CROPLAN	599 Bt ##	202	197	206	22.2	5	0	56.7
DEN BESTEN	2902Bt	201	180	221	16.4	5	1	57.2
DEN BESTEN	2205Bt	197	171	222	16.9	6	2	58.1
KAYSTAR	KX-665	196	178	214	16.3	9	1	59.1
GARST SEED CO	8578IT	192	182	202	17.2	8	1	58.3
DEKALB Genetics	DK537	190	169	211	16.2	6	1	56.6
DEKALB Genetics	DKC 51-43	182	161	203	15.7	7	0	57.7
Average all entries		211	194	229	18.0	6	0	57.7
Dif. Req. for Sig. 5%		16	19	20	2.4	NS	NS	NS

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North Central Irrigated Corn Hybrid Tests 2000 - 2002

Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Broken stalk pct	Dropped ear pct	Bushel weight lb/bu
		2 Year Averages				
OTTILIE	4777Bt	220	17.9	2	0	58.1
LG SEEDS	LG 2540 ##	219	18.6	3	0	57.2
LG SEEDS	LG 2540	219	18.6	3	0	57.2
GARST SEED CO	9476Bt	203	18.1	2	0	58.4
DEN BESTEN	2205Bt	201	16.4	3	1	58.5
KAYSTAR	KX-665	201	16.5	5	0	58.9
Average all entries		211	17.7	3	0	58.0
Difference req. for sig. 5%		13	0.9	NS	NS	0.9

entered by UN-L Agronomy Department

West Central Irrigated Corn Hybrid Tests
Lincoln and Dundy Counties - 2002

Brand	Hybrid	Yield Average bu/a	Yield Lincoln bu/a	Yield Dundy bu/a	Grain Moisture pct	Broken Stalk pct	Dropped Ear pct	Bushel Weight lb/bu
DEN BESTEN	3314Bt	281	285	277	17.3	1	0	59.3
NC+	5411	277	284	270	17.0	2	0	57.1
OTTILIE	5333	273	274	272	16.7	3	0	57.8
DEN BESTEN	2212	271	277	264	16.5	6	0	58.7
CROW'S	5202	269	276	261	17.6	1	0	58.2
FONTANELLE	5282	269	276	262	16.8	7	1	59.1
GRAND VALLEY	SX1395	269	275	262	17.2	2	0	58.5
NC+	5202 B	268	273	262	17.0	2	0	58.5
CROW'S	5360	267	274	259	17.2	2	0	57.4
DEN BESTEN	2912Bt	266	268	264	15.7	1	0	58.4
CROW'S	4908	266	277	254	16.4	4	0	58.7
NC+	4822	263	279	247	16.0	4	0	58.5
DEN BESTEN	2011Bt	263	274	252	16.6	3	0	58.1
KAYSTAR	KX-8550RR	263	267	258	16.2	7	0	57.3
ASGROW	RX730 YG	262	261	262	16.5	3	0	58.7
KAYSTAR	KX-898	261	276	245	16.8	3	0	58.0
OTTILIE	5454	258	260	256	16.8	4	0	57.5
ASGROW	RX730 IMI	258	264	252	16.7	6	0	58.9
CROW'S	C4905Bt ##	258	256	259	15.8	2	0	58.6
PIONEER	33B51 ##	256	263	248	18.0	3	0	58.1
FONTANELLE	HC-7966 Bt	256	253	259	17.9	-1	0	57.9
DEKALB Genetics	DKC 60-19 (RR/YG)	255	280	230	16.2	6	0	60.3
GRAND VALLEY	SX1273Bt	253	254	252	14.4	3	0	58.5
GRAND VALLEY	SX1300	252	261	243	16.5	3	0	59.2
GRAND VALLEY	SX1300Bt	252	248	255	16.7	4	0	58.4
DEKALB Genetics	DKC 58-78	251	263	239	15.3	2	0	59.4
TRIUMPH	1141Bt	250	253	247	16.8	4	0	59.0
DEN BESTEN	3308Bt	249	249	249	14.5	0	0	57.4
DEKALB Genetics	DKC 57-72 (YG)	249	268	230	15.9	1	1	60.0
TRIUMPH	1120BtRR	248	235	260	16.0	3	0	58.4
CROW'S	438B	245	248	241	14.6	1	0	57.8
OTTILIE	5170RR	238	256	219	16.0	6	1	57.4
OTTILIE	5156RR	229	251	206	15.0	13	1	59.7
DEKALB Genetics	DK579	229	238	220	15.6	4	0	60.0
DEKALB Genetics	DKC 58-24 (RR/YG)	229	239	219	14.7	2	0	60.0
DEKALB Genetics	DKC 53-34 (RR/YG)	227	237	217	14.0	3	0	59.5
Average all entries		256	263	249	16.2	3	0	58.5
Dif. Req. for Sig. 5%		20	16	18	1.5	NS	NS	1.2

entered by UN-L Agronomy Department

West Central Irrigated Corn Hybrid Tests 2000 - 2002

Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Broken stalk pct	Dropped ear pct	Bushel weight lb/bu
		2 Year Averages				
DEN BESTEN	2912Bt	257	14.9	2	0	58.4
OTTILIE	5333	255	15.6	5	0	57.6
DEN BESTEN	2011Bt	251	15.5	2	0	58.8
DEN BESTEN	2212	249	15.3	10	0	58.6
KAYSTAR	KX-898	249	15.5	6	0	58.1
TRIUMPH	1141Bt	243	15.6	4	0	59.0
CROW'S	438B	242	13.8	1	0	57.9
PIONEER	33B51 ##	241	16.4	3	0	58.9
TRIUMPH	1120BtRR	239	15.0	2	0	58.6
GRAND VALLEY	SX1300	236	15.3	3	0	59.3
Average all entries		246	15.3	4	0	58.6
Difference req. for sig. 5%		NS	0.7	5	NS	0.9

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West Central No-Till Corn Hybrid Tests 2000 - 2002

Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Broken stalk pct	Dropped ear pct	Bushel weight lb/bu
		2 Year Averages				
TRIUMPH	1120BtRR	73	15.9	1	0	56.9
MYCOGEN	2652 ##	72	12.6	1	1	56.3
PIONEER	3733 ##	70	11.7	0	0	58.3
U.S.SEEDS	US C1122Bt	69	16.1	1	1	57.5
PIONEER	3655 ##	66	11.8	0	0	57.0
Average all entries		70	13.6	1	0	57.2
Difference req. for sig. 5%		NS	1.8	NS	NS	NS
		3 Year Averages				
PIONEER	3733 ##	60	11.4	2	1	58.3
PIONEER	3655 ##	56	11.4	0	2	57.0
Average all entries		58	11.4	1	2	57.7
Difference req. for sig. 5%		3	NS	NS	NS	NS

entered by UN-L Agronomy Department

Perkins Co. No-Till Corn Hybrid Test - 2002

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Brand	Hybrid	Grain yield bu/a	Grain moisture pct	Bushel weight lb/bu	Broken stalk pct
LG SEEDS	LG 2540 ##	69.8	12.5	56.0	0.0
LG SEEDS	LG2533 Bt ##	68.7	13.0	57.4	0.1
LG SEEDS	LG 2585 ##	67.2	12.6	57.1	0.2
DEN BESTEN	2110	64.5	13.1	56.3	0.0
PIONEER	3733 ##	61.2	12.0	58.1	0.0
GARST SEED CO	8590 RR	60.9	14.5	57.3	0.0
PFISTER	1554 ##	58.4	11.5	56.7	0.0
DEKALB Genetics	DKC 58-24 (RR/YG)	58.4	13.4	57.7	0.0
DEN BESTEN	2212	58.2	14.1	56.0	0.0
FONTANELLE	HC-7534RR ##	56.8	11.4	55.8	0.1
DEN BESTEN	2912Bt	61.2	15.1	56.2	0.3
MYCOGEN	2652 ##	56.8	13.4	55.9	0.1
PIONEER	3655 ##	55.4	12.3	57.7	0.5
PFISTER	2295 ##	52.2	11.7	56.5	0.3
DEN BESTEN	2011Bt	59.1	15.5	56.9	0.1
DEKALB Genetics	DKC 53-34 (RR/YG)	51.6	12.0	57.7	0.0
U.S.SEEDS	US C1122RR	54.6	14.0	58.7	0.1
ASGROW	RX601 ##	54.2	14.2	58.9	0.1
GARST SEED CO	8686 IT ##	46.5	14.2	58.1	0.4
DEN BESTEN	3308Bt	49.1	15.0	55.7	0.4
TRIUMPH	1120BtRR	49.6	17.3	56.2	1.1
U.S.SEEDS	US C1122Bt	48.8	18.1	57.3	1.1
U.S.SEEDS	US C1141	46.0	14.5	58.4	2.0
DEN BESTEN	3314Bt	46.1	16.2	56.2	0.1
U.S.SEEDS	US C1111	39.5	14.5	56.8	0.9
Average all Entries		56.7	13.7	57.0	0.3
Dif. Req. for Sig. 5%		10.5	1.5	1.9	NS

entered by UN-L Agronomy Department

West Valley Irrigated Corn Hybrid Tests
Scotts Bluff & Morrill Co NE & Torrington WY - 2002

Brand	Hybrid	Yield Average bu/a	Yield Scotts Bluff bu/a	Yield Morrill bu/a	Yield Torrington bu/a	Grain Moisture pct	Broken Stalk pct	Bushel Weight lb/bu	Plant Height inches
DEKALB Genetics	DKC 44-46	195	245	151	188	14.2	7	55.2	95
SEEDS 2000	2953Bt	194	241	167	174	14.1	1	55.4	98
GRAND VALLEY	SX1212	189	242	156	169	14.2	4	55.1	96
DEKALB Genetics	DKC 42-22	187	260	153	149	14.0	4	56.6	96
DEKALB Genetics	DKC 44-42	187	245	140	175	14.1	3	54.3	96
DEKALB Genetics	DKC 46-28	182	238	161	148	13.9	7	56.5	94
DEKALB Genetics	DK440	182	236	141	170	14.2	3	55.2	95
DEKALB Genetics	DKC 48-15	181	238	135	170	14.8	7	55.5	95
MYCOGEN	3631IMI	180	224	153	164	14.9	1	56.1	96
FOUNDATION PILOT	0100Bt	180	218	123	199	15.4	4	54.6	95
DEKALB Genetics	DKC 50-73	176	229	132	167	15.4	4	54.4	95
FOUNDATION PILOT	0101Bt	176	214	136	177	15.8	7	54.4	94
GRAND VALLEY	SX1190	176	225	135	167	14.5	0	55.5	95
FOUNDATION PILOT	0109	170	220	120	169	14.0	2	53.9	94
GRAND VALLEY	SX1229	168	226	131	148	15.0	0	53.9	96
GRAND VALLEY	SX1211	165	233	114	148	13.9	4	54.3	95
SEEDEX	SX5501	165	208	126	162	13.7	3	56.1	95
DEKALB Genetics	DKC 42-70	163	250	163	77	14.3	4	55.6	94
FOUNDATION PILOT	0109Bt	163	200	114	176	14.6	3	53.1	99
FOUNDATION PILOT	0100	163	208	133	148	15.2	9	54.8	94
MYCOGEN	2424	160	222	108	149	14.8	3	57.2	93
KAYSTAR	KX-630	158	211	129	133	15.7	5	54.7	95
SEEDEX	SX5704	157	211	119	141	14.1	3	54.7	93
GRAND VALLEY	SX1227	155	210	114	142	13.8	4	55.5	94
FOUNDATION PILOT	0101	150	217	140	93	15.7	4	55.0	94
Average all entries		173	227	136	157	14.6	4	55.1	95
Dif. Req. for Sig. 5%		NS	16	19	64	0.9	NS	1.3	NS

West Valley Irrigated Corn Hybrid Tests 2000 - 2002

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Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Broken stalk pct	Bushel weight lb/bu	Plant height inches
		2 Year Averages				
DEKALB Genetics	DKC 48-15	179	14.7	8	56.7	81
GRAND VALLEY	SX1229	173	15.0	7	54.8	82
GRAND VALLEY	SX1211	172	13.8	11	55.3	82
KAYSTAR	KX-630	167	16.5	4	55.3	80
GRAND VALLEY	SX1190	166	14.0	4	56.0	82
Average all entries		171	14.8	7	55.6	81
Difference req. for sig. 5%		NS	1.3	NS	0.8	NS

West Table Irrigated Corn Hybrid Tests
Box Butte and Cheyenne Counties - 2002

IANR

Brand	Hybrid	Yield Average bu/a	Yield Box Butte bu/a	Yield Cheyenne bu/a	Grain Moist pct	Broken Stalk pct	Drpd Ear pct	Bushel Weight lb/bu	Plant Height inches
DEN BESTEN	3391Bt	182	180	183	13.3	8	0	57.4	98
DEKALB Genetics	DK440	177	185	169	13.2	15	0	56.8	100
DEKALB Genetics	DKC 42-70 (RR)	176	182	170	13.3	16	0	58.0	101
DEKALB Genetics	DKC 46-28 (RR)	175	178	172	13.6	18	0	58.1	96
DEKALB Genetics	DKC 42-22 (YG)	175	175	174	13.4	4	1	57.8	99
DEKALB Genetics	DKC 44-46 (RR/YG)	174	172	175	13.2	13	0	56.7	96
DEN BESTEN	3394RRBt	171	169	172	13.4	6	0	57.6	97
DEKALB Genetics	DKC 39-47 (RR)	168	167	169	13.7	6	1	58.6	100
U.S.SEEDS	US C952	167	179	155	13.2	20	0	56.4	98
DEKALB Genetics	DKC 44-42 (YG)	166	176	155	13.1	21	1	56.2	95
U.S.SEEDS	US C1002	160	161	159	13.0	4	1	55.6	93
GRAND VALLEY	SX1212	159	174	143	13.2	16	0	56.2	99
MYCOGEN	2424	158	166	149	13.4	5	0	57.9	92
CROW'S	2145	156	167	145	14.1	1	2	55.9	99
GRAND VALLEY	SX1211	156	178	133	13.2	24	0	56.1	96
GRAND VALLEY	SX1161	156	171	141	13.5	1	1	57.2	96
DEKALB Genetics	DKC 37-81 (RR)	155	168	141	13.8	2	0	59.0	94
DEN BESTEN	2902Bt	153	157	148	13.9	9	0	56.5	95
CROW'S	217B	146	171	120	14.7	0	2	57.2	104
GRAND VALLEY	SX1190	146	156	136	13.2	8	0	56.9	95
KAYSTAR	KX-630	145	157	132	14.4	6	0	57.3	95
U.S.SEEDS	US C1003RR	145	153	137	15.4	7	0	56.7	93
MYCOGEN	3631IMI	144	166	122	14.5	4	10	58.5	96
TRIUMPH	2370RR	141	148	133	13.2	1	1	55.9	94
SEEDEX	SX5704	139	153	124	12.9	3	3	55.9	95
DEN BESTEN	2194Bt	136	151	120	13.2	6	1	56.5	97
SEEDEX	SX6001	120	140	100	12.6	4	3	54.8	96
DEN BESTEN	3299Bt	113	133	93	18.0	12	1	56.2	100
Average all entries		155	164	145	13.7	8	1	56.9	97
Dif. Req. for Sig. 5%		24	14	22	1.5	NS	NS	1.4	4

West Table Irrigated Corn Hybrid Tests 2000 - 2002

IANR

Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Broken stalk pct	Dropped ear pct	Bushel weight lb/bu	Plant height inches
		2 Year Averages					
DEKALB Genetics	DKC 42-22 (YG)	191	14.4	3	1	57.2	102
DEKALB Genetics	DKC 44-42 (YG)	190	14.1	16	1	56.0	103
U.S.SEEDS	US C952	179	14.8	12	0	56.5	103
GRAND VALLEY	SX1211	177	14.0	14	0	55.7	103
DEN BESTEN	2902Bt	173	16.1	6	0	56.2	101
U.S.SEEDS	US C1002	173	14.8	4	1	55.5	99
CROW'S	217B	170	16.7	0	2	57.3	108
TRIUMPH	2370RR	160	15.8	1	1	56.2	100
DEN BESTEN	2194Bt	159	14.5	3	1	56.4	103
Average all entries		175	15.0	7	1	56.3	102
Difference req. for sig. 5%		6	NS	NS	NS	0.3	2
		3 Year Averages					
DEKALB Genetics	DKC 44-42 (YG)	197	14.9	16	1	55.3	103
DEKALB Genetics	DKC 42-22 (YG)	196	15.0	3	1	56.5	102
Average all entries		197	15.0	10	1	55.9	103
Difference req. for sig. 5%		NS	NS	NS	NS	NS	NS

Clay Co. Irrigated White Corn Hybrid Test - 2002

Brand	Hybrid	Grain yield bu/a	Grain moisture pct	Broken stalk pct	Plants per acre
Yc Pioneer Brand	32W86	253	17.3	0	24950
Monsanto	EXP162W	226	16.9	0	25820
Pioneer Brand	33T17	223	16.8	0	25480
Pioneer Brand	32A85	222	17.9	0	25360
Vineyard	V433W	221	17.3	0	26030
Yc Midwest Seeds	G8122	217	17.5	0	21150
Vineyard	Vx7120W	216	17.3	0	24480
NC+	5642W	215	17.5	1	24530
Yc Pioneer Brand	3394	214	16.1	0	23230
Pioneer Brand	32K72	213	18.1	0	24130
Pioneer Brand	34P93	213	17.3	0	25780
Whisnand	100W	209	17.8	0	23460
Whisnand	50AW	208	17.6	0	24790
NC+	4950W	204	16.3	0	23370
Guelph	CGX013W	202	16.1	0	25440
Asgrow	RX776W	200	17.8	0	25990
Guelph	CGX0010W	197	17.0	1	24300
Guelph	CGX004W	195	15.9	0	23760
Zimmerman	1790W	191	17.7	0	21500
Zimmerman	WX7528	181	17.4	0	19320
Yc (Yellow Check)	B17xMo17	160	16.3	0	17210
Average all entries		209	17.1	0	23810
Difference required for significance 5%		18.8	1.0	NS	2065

Irrigated White Corn Hybrid Tests 2000 - 2002

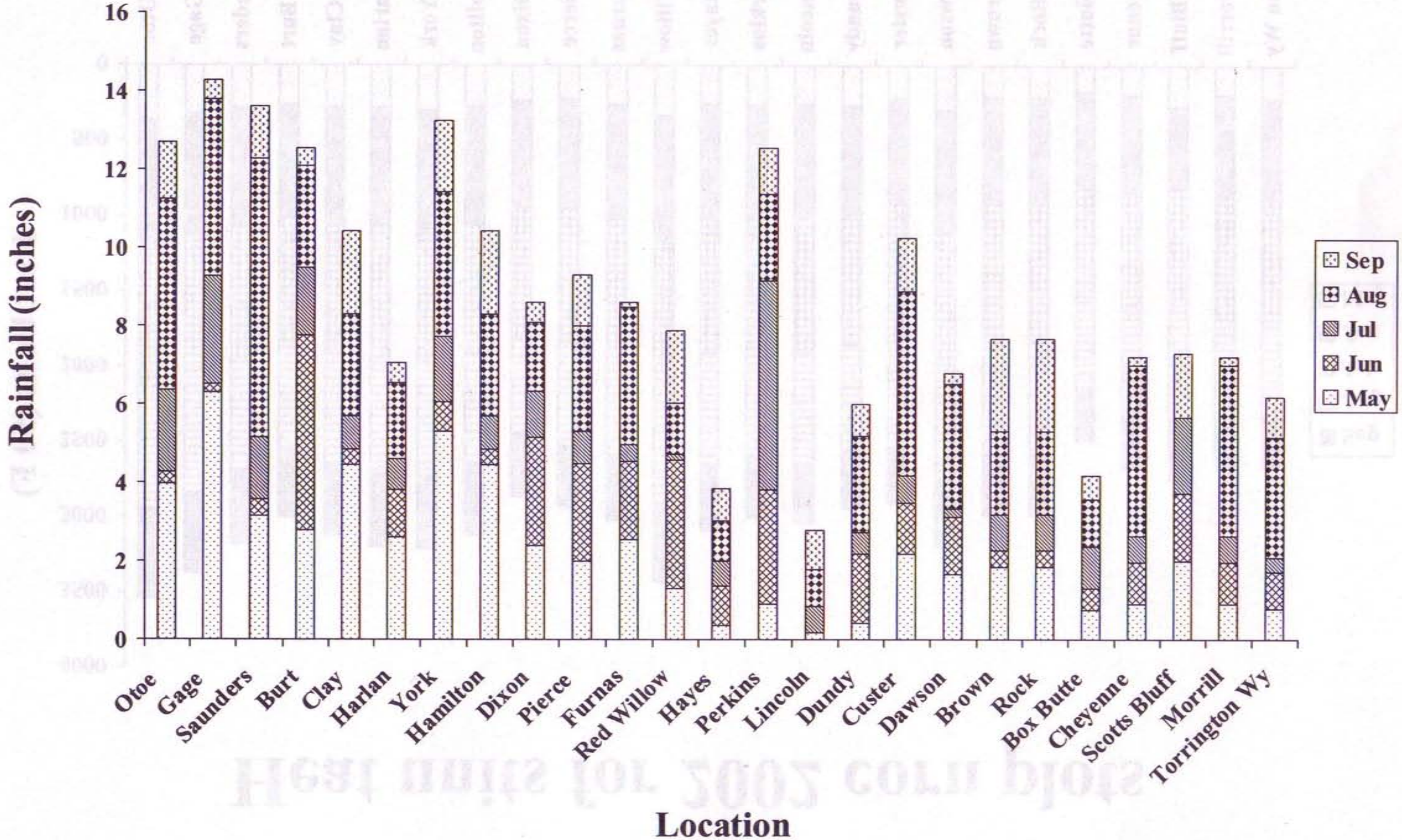
IANR

Brand	Hybrid	Average Yield bu/a	Grain moisture pct	Broken stalk pct	Dropped ear pct
		2 Year Averages			
Pioneer Brand	33T17	225.5	18.6	0	0
Vineyard	V433W	222.0	18.8	1	0
Pioneer Brand	32K72	219.8	19.6	1	0
Monsanto	EXP162W	219.3	18.2	1	0
Whisnand	50AW	215.3	18.6	1	1
Whisnand	100W	213.3	19.5	3	0
Pioneer Brand	34P93	212.5	18.5	0	0
Yc Pioneer Brand	3394	210.8	17.1	1	0
Zimmerman	1790W	201.8	19.8	1	0
Asgro	RX776W	192.8	19.2	0	0
Average all entries		213.3	18.8	0.9	0.1
Difference req. for sig. 5%		17.0	1.0	NS	NS
		3 Year Averages			
Vineyard	V433W	215.3	18.4	1	8
Pioneer Brand	32K72	209.7	18.6	2	9
Whisnand	50AW	207.0	18.1	1	10
Pioneer Brand	33T17	200.0	17.8	2	9
Pioneer Brand	34P93	198.5	17.6	1	8
Zimmerman	1790W	189.0	19.2	3	8
Yc Pioneer Brand	3394	188.3	15.9	1	9
Asgro	RX776W	183.2	18.7	1	8
Average all entries		198.9	18.0	1.5	8.6
Difference req. for sig. 5%		26.4	1.2	NS	NS

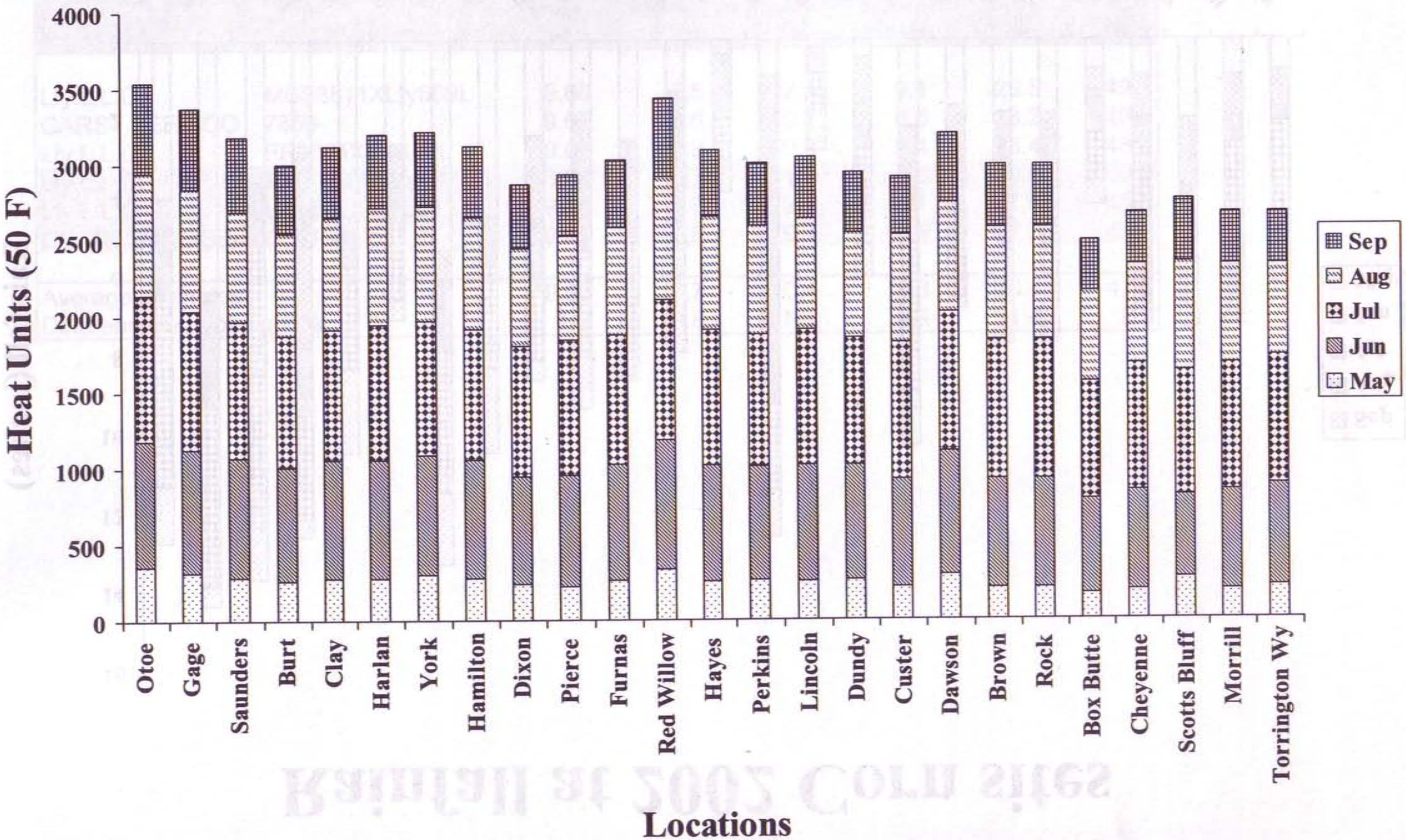
West Silage Corn Hybrid Tests
Cheyenne Co NE and Torrington WY - 2002

Brand	Hybrid	Yield Average bu/a	Yield Cheyenne t/a	Yield Torrington t/a	Forage protein pct	Forage ADF pct	Forage NDF pct
Lfy.L.L.C.	MBS3811XLfy669L	9.80	7.5	12.1	9.1	29.5	49.1
GARST SEED CO	7850	9.60	8.5	10.7	8.5	28.2	46.0
Lfy.L.L.C.	FR1064XLfy419L	9.05	7.8	10.3	8.4	28.4	48.5
Lfy.L.L.C.	MBS3811XLfy497L	8.86	6.7	11.0	9.9	29.9	50.3
Lfy.L.L.C.	Lfy860LXFr9661	8.54	7.8	9.3	8.1	27.1	45.5
GEERTSON SEED	GS-1061	8.47	7.8	9.1	8.8	27.5	45.2
Average all entries		9.05	7.7	10.4	8.8	28.4	47.4
Difference req. for sig. 5%		NS	0.8	NS	NS	1.4	2.1

Rainfall at 2002 Corn sites



Heat units for 2002 corn plots



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