11-2008

2008 Precision Planted Performance Trials: Corn

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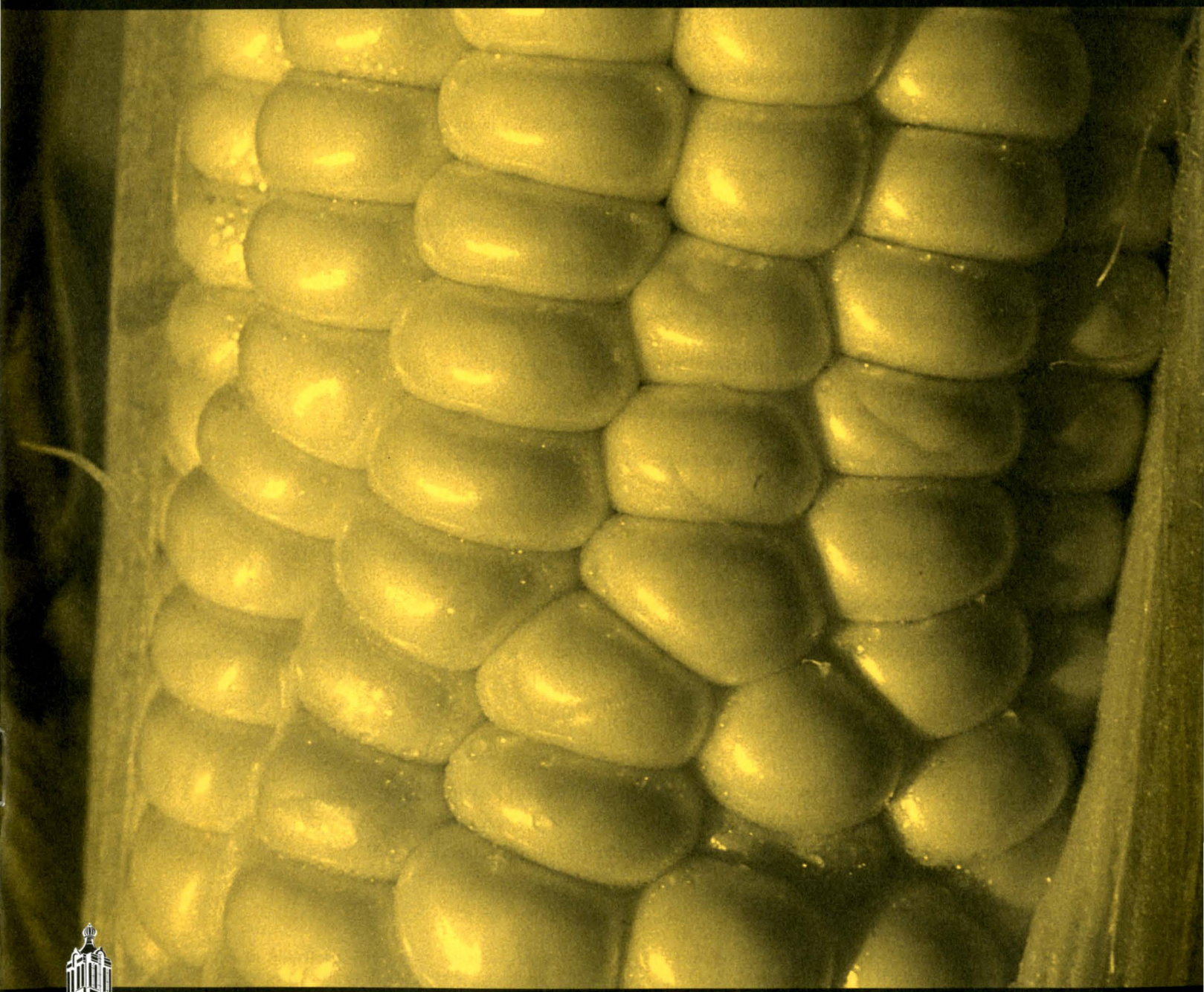
C 253
Revised
Annually

CORN

2008 Precision Planted Performance Trials



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Tables, 2008 Corn Performance Trials

A Description of 2008 corn hybrid trial locations– soil type, tillage type, prior crop, herbicide and insecticides used, and seeding date 5

B Nearest weather station precipitation and growing degree day (GDD) accumulation and average daily temperatures for each growing season month in 2008 and their departures from average (DFA). 5-6

C 2008 Glyphosate-resistant corn hybrid entries by brand/hybrid, seed product traites, and index to performance table no. (s) 7-10

D Explanation of performance table footnotes 10

E Mailing addresses for seed entries in the 2008 corn hybrid trials by seed brand name 24

1a Warner early maturity Roundup Ready™ corn hybrid test results, 2007-08, Allen & Inel Ryckman Farm 11

1b Warner late maturity Roundup Ready™ corn hybrid test results, 2007-08, Allen & Inel Ryckman Farm 12

2a South Shore early maturity Roundup Ready™ corn hybrid test results, 2007-08, Northeast Reseach Farm 13

2b South Shore late maturity Roundup Ready™ corn hybrid test results, 2007-08, Northeast Reseach Farm 14

3a Bancroft early maturity glyphosate-resistant corn hybrid test results, 2007-08, Erland Weerts Farm 15

3b Bancroft late maturity glyphosate-resistant corn hybrid test results, 2007-08, Erland Weerts Farm 16

4a Brookings early maturity glyphosate-resistant corn hybrid test results, 2007-08, Plant Science Farm 17

4b Brookings late maturity glyphosate-resistant corn hybrid test results, 2007-08, Plant Science Farm 18

5a Geddes early maturity glyphosate-resistant corn hybrid test results, 2007-08, Curt Sybesma Farm 19

5b Geddes late maturity glyphosate-resistant corn hybrid test results, 2007-08, Curt Sybesma Farm. 20

6a Beresford early maturity glyphosate-resistant corn hybrid test results, 2007-08, Southeast Experiment Station 21-22

6b Beresford late maturity glyphosate-resistant corn hybrid test results, 2007-08, Southeast Experiment Station 23

6c Beresford non-glyphosate-resistant corn hybrid combined early and late maturity test results, 2007-08, Southeast Experiment Station 24

C253—Precision Planted Corn 2008 Crop Performance Results is available electronically on the internet

http://agbiopubs.sdstate.edu/articles/C253–08.pdf

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2350 copies printed by CES at a cost of $.85 each. C253. December 2008. AX062

2008 Precision Planted Corn Performance Trials

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This publication reports the results of the 2008 South Dakota corn hybrid performance trials for both glyphosate-resistant hybrids and non-glyphosate-resistant hybrids. Information includes both the most recent two-year and one-year grain yields in bushels per acre; and one-year bushel weight, grain moisture at harvest, lodging percentage, and final stand percentages. These performance trials are conducted by the South Dakota Crop Performance Testing program at South Dakota State University. Corn performance trial tables are listed on the inside front cover. Environmental data is listed in tables A and B, indices of brand/hybrid entries to performance table number are listed in table C, table D has the footnote legend, and mailing addresses for seed companies are listed in table E.

Test Trial Locations

Trial locations, soil types, seedbed and previous crop history, soil fertility yield goals, and seeding dates are indicated in table B. The participation and efforts of our cooperators – Allen and Inel Ryckman at Warner, Al Heuer at South Shore (Northeast Research Farm), Erland Weerts at Bancroft, Douglas Doyle at Brookings (SDSU Plant Science Research Farm), Curtis Sybesma at Geddes, and Robert Berg and staff at Beresford (Southeast Experiment Station) – are gratefully acknowledged.

Weather Conditions

Weather data (table B) obtained through the efforts of D. Todey and C. Shukla, South Dakota Office of Climate and Weather, are gratefully acknowledged. Precipitation varied across test locations, and all locations experienced some moisture deficits during the growing season. Monthly precipitation totals were below average at Aberdeen for April, May, June, and August; at South Shore for April and August; at Huron for April, July, and September; at Brookings for April, May, July, August, and September; at Centerville for April, July, and August; and at Mitchell for July, August, and September. On average, seasonal moisture varied from 4.81" below average at Brookings to 2.22" above average at Aberdeen.

Average daily temperatures across locations by month were 2 to 5°F below average in April, 3 to 9°F below average in May, and average to 3°F below average in June. Thereafter, temperatures tended to be average for the remainder of the growing season.

Heat unit or growing-degree day (GDD) monthly totals were below average at Aberdeen, Huron, and Brookings for May and June; and at South Shore, Centerville, and Mitchell for April, May, and June. Heat unit growing season totals were below average at South Shore (-135) and Mitchell (-90); slightly below average at Brookings (-34) and Centerville (-44); average at Aberdeen (-2); and slightly above average at Huron (40). Heat unit totals varied across locations from a high of 3,004 GDD at Mitchell to a low of 2,164 GDD at South Shore.

General Test Procedures

Seed companies pick the test locations where their entries are tested. Entries are placed into "early" or "late" maturity trials. The relative maturity breaks between the early and late tests are 95 days for Warner and South Shore; 100 days for Yale and Brookings; 105 days for Geddes; and 110 days for Beresford. Hybrids are assigned to trials based on the relative maturity rating reported by the participating seed 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 content 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 list of participating seed companies for 2008 is presented in Table E.**

Experimental Procedures

Entries were seeded in three replications, with each hybrid randomly located within each trial. Plots consisted of four 30-inch rows that were 20 feet long, with the center two rows harvested for yield. A Monosem precision row crop planter was used for seeding plots at all locations. In 2008, the precision planter was calibrated to deliver 28,750 seeds per acre, regardless of seed

quality and germination percentage. No seeding rate adjustment was made for low germination. Therefore, percent stand is an indication of initial seed quality and the ability of the seed to cope with the production environment from seeding to harvest. Soil type, land preparation and previous crop history, and fertility yield goal at each test site is outlined in table A. Seedbed preparation was good at all locations. A starter fertilizer of 100 pounds/acre of 37-18-00 was applied 2" below and 2" to the side (2 x 2) of the seed row. Force insecticide in-furrow at label rates for corn rootworm control this year. The weed control herbicides applied at recommended label rates are indicated in table A for both the glyphosate-resistant and the non-glyphosate-resistant hybrid corn trials.

Measurements of Performance

Yields are obtained from the South Dakota Crop Performance Testing Program. Current-year and 2-year yield averages are included where hybrids have been tested in 2008 and for the past two years.

Yield. Yield values are an average of three replications, and are expressed as bushels per acre, adjusted to 15.5% moisture on a dry-matter basis 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 obtained were caused by variations in environment or were true hybrid differences. In 2008, the coefficient of variation (CV) values (a measure of experimental error) for yield was relatively low, ranging from 5 to 9% over the six test locations. Experimental error may be the result of several factors, including test methods, or factors such as moisture, temperature, soil variations, or agronomic factors like seeding date, reseeding, or seed quality factors – all of which may or may not be controllable in a given year. Clearly, this year, seasonal moisture distribution and/or subsoil moisture conditions, along with elevated high temperatures, were the two factors that affected the yielding potential of the corn hybrids tested. All test locations likely were exposed to some degree of moisture stress; however, Beresford was particularly dry in July (table B).

Grain moisture content. Moisture content is expressed as the percentage of moisture in the shelled corn at harvest. Moisture is generally inversely related to maturity and is important in the evaluation of hybrids. Hybrids that provide satisfactory yields and can be stored without additional drying are desirable. During harvest, moisture values were determined by the combine moisture meter, which in turn was periodically checked with a Dickey-John GAC II to verify it was within limits.

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 significant yield difference. LSD values are given at the bottom of every column where there is significant difference among the averages within the column. If differences among the averages within a column are not significant, the LSD value is reported as "non-significant" (NS).

The LSD values reported in this publication can be used in two ways. In this publication the LSD value is used primarily to identify the top performance group (TPG) for two-year yields, for current-year yields, for bushel weight, for grain moisture at harvest, for lodging (below the ear) percentage, and for final stand percentage for each test trial. In order to determine which hybrids are in the TPG for yield, use the LSD value indicated at the bottom of each yield column in any yield table. For example, let's say the column LSD value equals 15 (bu/a) and the highest yield for that column equals 155 bu/a. If you subtract the column LSD value from the highest yield, you obtain an intermediate value of 140 bu/a (155 – 15 = 140). The minimum top yield value has to be greater than this intermediate value of 140 bu., and since the yield values are rounded to the nearest bushel, it must be at least 141 bu. Thus, varieties with an average of 141 bu. or higher are included in the top-yield group.

These minimum TPG values for yield are indicated at the bottom of each yield column, unless too much experimental error (high CV values) is associated with the test. Top yield hybrids are those hybrids that are equal or higher than the minimum TPG value reported at the bottom of each yield column (2008 or 2-yr yield averages). If hybrid yield differences are not significant (NS) and the CV values are 15% or less, then, by definition, **all hybrids in the test are in the top-yield group**. In contrast, if the column CV value is greater than 15%, then no minimum TPG value is indicated because there is too much experimental error associated with the test to make a valid determination of the TPG for yield. When comparing yield means, compare current year averages with other current year averages and compare 2-yr yield averages with other 2-yr averages. Do not compare current year averages with 2-yr averages when comparing hybrids. **When evaluating current year averages, do not forget to note that entries tested for two years may also have a yield value that qualifies for the TPG in the 2008 yield column.**

The TPG for other performance factors – such as bushel weight, percent grain moisture at harvest, percent lodging (below the ear), and percent stand (percent of seeded population) – can also be determined. In order to qualify for the TPG group, a hybrid must have a bushel weight and a final stand percentage value that is equal to or greater than the minimum reported TPG value for bushel weight or final stand percentage. Likewise, in order to qualify for the TYG a hybrid must have grain moisture, lodging percentages, or lodging score values that are equal to or less than the maximum reported TPG value for grain moisture, lodging percentage, or lodging score. Note that yield, bushel weight, and percent stand TPG values are greater than a certain yield, bushel weight, or final stand value; or they are minimum values. In contrast, grain moisture, lodging percentage, or lodging score values are equal to or less than a certain value to qualify for the TPG; or they are maximum values. Again, as with hybrid yields, if there are no hybrid differences for a performance factor, then, by definition, **all hybrids in the test are in the TPG for that performance factor**.

The LSD values for the TPG can also be used to determine if two hybrids differ in performance. For example, if a test trial

LSD value equals 16 bu/a, and hybrid A yields 132 bu/a while hybrid B yields 118 bu/a, then their yield difference is 14 bu/a (132-118 =14). In this case, the two hybrids do not differ in yield because their yield difference of 14 bu/ac is equal to or less than the reported LSD value of 16 bu/a. In contrast, if hybrid C yields 114 bu/a, the yield difference between hybrids A and C is 18 bu/a (132-114=18). In this case, the yield difference of 18 bu/a is higher than the reported LSD value of 16 bu/a; therefore, hybrid A would have a significantly higher yield than hybrid C. Similarly, the LSD values for bushel weight, grain moisture, stalk lodging below the ear, and percent stand can be used to determine if any two hybrids differ in these performance factors. For example, if a test trial grain moisture LSD value equals 2%, and hybrid a measures 18% and hybrid B measures 16, their grain moisture difference is 2% (18-16=2). In this case, the two hybrids do not differ in grain moisture because their moisture difference of 2% is equal to or less than the reported LSD value of 2%. In contrast, if hybrid C measures 15%, the grain moisture difference between hybrids A and C is 5% (18-15=3). In this case, the grain moisture difference of 3% is more than the reported LSD value 2%; therefore, hybrid A is significantly higher in grain moisture than hybrid C.

PERFORMANCE TRIAL RESULTS BY LOCATIONS

The performance trial results for one year (2008) and for two years (2007-08) follow:

Northern Locations

Note: The test trial at South Shore was exposed to extremely high winds on July 31, 2008. Consequently, the hybrid lodging response to the high winds were quite variable. At South Shore, the hybrid response to lodging was reported as a lodging score as opposed to a lodging percentage. The lodging score better described the hybrid response to the high winds because many of the entries were lodged over; whereas few entries exhibited any lodging below the ear as indicated in a lodging percentage rating.

Warner:

Early – Glyphosate-resistant trial, Table 1a. The test trial yield averages were **186** bu/a for both the 2008 and two-year periods. Hybrids that yielded **186** bu/a or more for two years and **191** bu/a or more for 2008 qualified for the TPG for yield. Hybrids had to differ in yield by **13** bu/a for two years and **17** bu/a in 2008 to be significantly different. In 2008, bushel weights averaged **55** lbs, grain moisture averaged **21**%, lodging percentage averaged **6**%, and final stand percentage averaged **95%.** In order for hybrids to be in the TPG for these factors, they had to average **56** lbs. or more in bushel weight, **17**% or less in grain moisture**,** **7**% or less in lodging percentage, and **96**% or more for final stand percentage.

Late – Glyphosate-resistant trial, Table 1b. The test trial yield averages were **187** bu/a for two-years and **192** bu/a for 2008. Hybrids that yielded **182** bu/a or more for two years and **200** bu/a or more for 2008 qualified for the TPG for yield. Hybrids had to differ in yield by **16** bu/a for two years and **19** bu/a in 2008 to be significantly different. In 2008, bushel weights averaged **54** lbs, grain moisture averaged **23**%, lodging percentage averaged **5**%, and final stand percentage averaged **94%.** In order for hybrids to be in the TPG for these factors, they had to average **55** lbs. or more in bushel weight, **21**% or less in grain moisture**,** **7**% or less in lodging percentage, and **94**% or more for final stand percentage.

South Shore:

Early – Glyphosate-resistant trial, Table 2a. The test trial yield averages were **170** bu/a for two-years and **161** bu/a for 2008. The yield differences among those hybrids tested for two years were nonsignificant (NS). Hybrids that yielded **172** bu/a or more for 2008 qualified for the TPG for yield. Hybrids had to differ in yield by **21** bu/a in 2008 to be significantly different. In 2008, bushel weights averaged **54** lbs, grain moisture averaged **22**%, lodging score averaged **3**, and final stand percentage averaged **96%.** In order for hybrids to be in the TPG for these factors, they had to average **55** lbs. or more in bushel weight, **18**% or less in grain moisture**, and 1** in lodging score. The differences among hybrids in final stand percentage were nonsignificant (NS).

Late – Glyphosate-resistant trial, Table 2b. The test trial yield averages were **172** bu/a for two-years and **166** bu/a for 2008. Hybrids that yielded **163** bu/a or more for two years and **176** bu/a or more for 2008 qualified for the TPG for yield. Hybrids had to differ in yield by **25** bu/a for two years and **16** bu/a in 2008 to be significantly different. In 2008, bushel weights averaged **52** lbs, grain moisture averaged **24**%, lodging score averaged **3**, and final stand percentage averaged **94%.** In order for hybrids to be in the TPG for these factors, they had to average **53** lbs. or more in bushel weight, **23**% or less in grain moisture**,** and **1** in lodging score. The differences among hybrids in final stand percentage were nonsignificant (NS).

Central Locations

Bancroft:

Early – Glyphosate-resistant trial, Table 3a. The test trial yield averages were **193** bu/a in 2008 and **196** bu/a for two years. Hybrids that yielded **196** bu/a or more in 2008 qualified for the TPG for yield. There were no differences in yield average among the hybrids tested two years, so all qualified for the TPG. Hybrids had to differ in yield by **19** bu/a in 2008 to be significantly different. In 2008, bushel weights averaged **55** lbs, grain moisture averaged **19**%, lodging averaged **5**%, and percent stand averaged **97**%. In order for hybrids to be in the TPG for these factors, they had to average **56** lbs. or more in bushel weight**, 18**% or less in grain moisture**, 6**% or less in lodging percentage, and **96**% or more for final stand percentage.

Late – Glyphosate-resistant trial, Table 3b. The test trial yield averages were **192** bu/a in 2008 and **193** bu/a for two years. Hybrids that yielded **195** bu/a or more in 2008 qualified for the TPG for yield. Yield differences among hybrids were non-signif-

icant for the two-year period. In 2008, bushel weights averaged **55** lbs, grain moisture averaged **21**%, lodging percentage averaged **5**%, and the final stand percentage averaged **97**%. In order for hybrids to be in the TPG for these factors, they had to average **56** lbs. or more in bushel weight**, 19**% or less in grain moisture**, 7**% or less in lodging percentage, and **96**% or more for final stand percentage**.**

Brookings:

Early – Glyphosate-resistant trial, Table 4a. The test trial yield averages were **185** bu/a for two years and **172** bu/a for 2008. Hybrids that yielded 1**76** bu/a or more for two years and **183** bu/a or more for 2008 qualified for the TPG for yield. Hybrids had to differ in yield by **16** bu/a for two years and **14** bu/a in 2008 to be significantly different. In 2008, bushel weights averaged **56** lbs, grain moisture averaged **17**%, lodging percentage averaged **5**%, and final stand percentage averaged **97%.** In order for hybrids to be in the TPG for these factors, they had to average **58** lbs. or more in bushel weight, **16**% or less in grain moisture**, 6**% or less in lodging percentage, and **96**% or more for final stand percentage.

Late – Glyphosate-resistant trial, Table 4b. The test trial yield averages were **184** bu/a for two years and **171** bu/a for in 2008. There were no differences in yield average among the hybrids tested two years, so all hybrids tested qualified for the TPG. Hybrids that yielded **174** bu/a or more in 2008 qualified for the TPG for yield. Hybrids had to differ in yield by **15** bu/a in 2008 to be significantly different. In 2008, bushel weights averaged **56** lbs, grain moisture averaged **19**%, lodging averaged slightly more than **8**%, and percent stand averaged **96**%. In order for hybrids to be in the TPG for all performance factors they had to average **58** lbs. or more in bushel weight, **17**% or less in grain moisture, **7**% or less in lodging percentage, and **96**% or more for final stand percentage.

Southern Locations

Geddes:

Early – Glyphosate-resistant trial, Table 5a. The test trial yield average was **176** bu/a for two years and **183** bu/a in 2008. The average yield differences among the hybrids tested two years were non-significant (NS), so all the hybrids tested qualified for the TPG. Hybrids that yielded **185** bu/a or more for 2008 qualified for the TPG for yield. In 2008, bushel weights averaged **59** lbs, grain moisture averaged **18**%, lodging percentage averaged **5**%, and percent stand averaged **91**%. In order for hybrids to be in the TPG for these factors, they had to average **60** lbs. or more in bushel weight**, 16**% or less in grain moisture**, 7**% or less in lodging, and **91**% or more for percent stand.

Late – Glyphosate-resistant trial, Table 5b. The test trial yield average was **198** bu/a for two years and **190** bu/a for 2008. Yield differences among hybrids tested for two years were non-significant (NS); thus, all entries tested two years were in the TPG for yield. In 2008, bushel weights averaged **57** lbs, grain moisture averaged **21**%, lodging percentage averaged **8**%, and percent stand averaged **92**%. In order for hybrids to be in the TPG for these factors, they had to average **60** lbs. or more in bushel weight**, 19**% or less in grain moisture**, 9**% or less in lodging, and **92**% or more for percent stand.

Beresford:

Early – Glyphosate-resistant trial, Table 6a. The test trial yield averages were **190** bu/a for two years and **196** bu/a in 2008. There were no differences in yield average among the hybrids tested two years, so all hybrids tested qualified for the TPG. Hybrids that yielded **210** bu/a or more in 2008 qualified for the TPG for yield. Hybrids had to differ in yield by **24** bu/a in 2008 to be significantly different. In 2008, bushel weights averaged **55** lbs, grain moisture averaged **21**%, lodging percentage averaged **6**%, and final stand percentage averaged **83**%. In order for hybrids to be in the TPG for these factors, they had to average **57** lbs. or more in bushel weight, **19**% or less in grain moisture, **9**% or less in lodging percentage, and **83**% or more for final stand percentage.

Late – Glyphosate-resistant, Table 6b. The test trial yield averages were **199** bu/a for both two years and for 2008. There were no differences in yield average among the hybrids tested two years, so all hybrids tested qualified for the TPG. Hybrids that yielded **192** bu/a or more in 2008 qualified for the TPG for yield. Hybrids had to differ in yield by **26** bu/a in 2008 to be significantly different. In 2008, bushel weights averaged **54** lbs, grain moisture averaged **23**%, lodging percentage averaged **7**%, and final stand percentage averaged **95**%. In order for hybrids to be in the TPG for these factors, they had to average **55** lbs. or more in bushel weight, **20**% or less in grain moisture, and **8**% or less in lodging percentage. The differences among hybrids in final stand percentage were nonsignificant (NS).

Early & Late – Non-glyphosate-resistant trial, Table 6c. The combined early and late maturity test trial yield averages were **195** bu/a two years and **181** bu/a for 2008. There were no differences in yield average among the hybrids tested two years, so all hybrids tested qualified for the TPG. Hybrids that yielded **183** bu/a or more in 2008 qualified for the TPG for yield. Hybrids had to differ in yield by **22** bu/a in 2008 to be significantly different. In 2008, bushel weights averaged **56** lbs, grain moisture averaged **18**%, lodging percentage averaged **7**%, and final stand percentage averaged **98**%. In order for hybrids to be in the TPG for these factors, they had to average **58** lbs. or more in bushel weight, **17**% or less in grain moisture, and **97**% or higher in final stand percentage. The differences among hybrids in lodging percentage were nonsignificant (NS).

Table A. Description of 2008 corn hybrid trial locations- soil type, tillage type, prior crop, herbicides and insecticides used, and seeding dates.

Location (County)	Soils & Management		Prior crop	Herbicides - Applied at label rates				Fertility Yield Goal bu/a	Date Seeded
	Type	Tillage Type		Roundup Ready		Non- Roundup Ready			
				Pre	Post	Pre	Post		
Warner (Brown)	Harmony-Aberdeen silty clay loam, 0-2% slope	Conven-tional	Spring Wheat	Harness Xtra	Roundup once	-	-	200	May 13
South Shore (Codington)	Kranzburg silty clay loam, 3-6% slope	Conven-tional	Oat	Dual II Magnum	Roundup once	-	-	180	May 14
Bancroft (Kingsbury)	Houdek-Stickney-Teton-ka loam, 0-3% slope	Conven-tional	Soybean	Fall Dual	Roundup once	-	-	180	May 21
Brookings (Brookings)	Barnes clay loam, 0-2% slope	Conven-tional	Soybean	-	Roundup twice	-	-	200	May 7
Geddess (Chas. Mix)	Highmore-Walke silt loam, 0-2% slope	No-till	Winter Wheat	-	Roundup once	-	-	200	May 16
Beresford (Clay)	Egan-Clarno-Trent silty clay loam, 0-2% slope	Conven-tional	Soybean	1.5 pt Dual	-	1.5 pt Dual	-	210	May 19

All plots were seeded at 27,878 seeds per acre. Force insecticide was applied in-furrow at label rate at seeding.

Table B. Nearest weather station precipitation and growing degree day (GDD) accumulation and average daily temperatures for each growing season month in 2008 and their departures from average (DFA). Source: South Dakota Office of Climate and Weather.

Station (Test site)	Variable	Monthly data - April 1 to September 30						Total
		April	May	June	July	Aug	Sept	
Aberdeen Airport (Warner)	Precip.- inches '08	0.86	2.19	3.21	6.26	1.24	3.62	17.38
	1971-2000 avg.	1.83	2.69	3.49	2.92	2.42	1.81	15.16
	DFA*	-0.97	-0.50	-0.28	3.34	-1.18	1.81	2.22
	Avg.Temp. -°F '08	43	49	65	73	71	62	
	1971-2000 avg.	45	58	67	72	71	60	
	DFA	-2	-9	-2	1	0	2	
	Accum GDD's '08	115	282	467	694	640	409	2,607
	1971-2000 avg.	111	316	498	691	644	349	2,609
	DFA	4	-34	-31	3	-4	60	-2
South Shore (NE Farm)	Precip.- inches '08	0.57	2.67	4.48	4.04	1.74	2.25	15.75
	1971-2000 avg.	1.96	2.61	4.01	2.91	2.85	2.03	16.37
	DFA	-1.39	0.06	0.47	1.13	-1.11	0.22	-0.62
	Avg.Temp. -°F '08	39	53	62	70	68	59	
	1971-2000 avg.	43	56	65	70	68	58	
	DFA	-4	-3	-3	0	0	1	
	Accum GDD's '08	75	226	365	594	569	335	2,164
	1971-2000 avg.	73	276	457	628	558	307	2,299
	DFA	2	-50	-92	-34	11	28	-135
Huron (Bancroft)	Precip.- inches '08	0.19	4.33	4.51	2.47	2.79	1.48	15.77
	1971-2000 avg.	2.29	3.00	3.28	2.86	2.07	1.80	15.30
	DFA	-2.10	1.33	1.23	-0.39	0.72	-0.32	0.47
	Avg.Temp. -°F '08	41	50	66	74	73	62	
	1971-2000 avg.	46	58	68	73	72	61	
	DFA	-5	-8	-2	1	1	1	
	Accum GDD's '08	135	281	493	726	704	459	2,798
	1971-2000 avg.	124	318	536	719	665	395	2,757
	DFA	11	-37	-43	7	39	64	41

Table B. Nearest weather station precipitation and growing degree day (GDD) accumulation and average daily temperatures for each growing season month in 2008 and their departures from average. (continued)

Brookings (Agronomy Farm)	Precip.- inches '08	0.84	2.76	5.60	1.60	0.67	1.46	12.93
	1971-2000 avg.	2.03	2.95	4.23	3.11	2.94	2.48	17.74
	DFA	-1.19	-0.19	1.37	-1.51	-2.27	-1.02	-4.81
	Avg.Temp. -ºF '08	41	48	64	71	69	62	
	1971-2000 avg.	44	57	66	71	69	59	
	DFA	-3	-9	-2	0	0	3	
	Accum GDD's '08	82	229	439	649	587	410	2,396
	1971-2000 avg.	85	296	479	640	585	345	2,430
	DFA	-3	-67	-40	9	2	65	-34
Centerville, 6 SE (Beresford-SE Farm)	Precip.- inches '08	1.84	5.76	4.68	2.63	1.70	2.40	19.01
	1971-2000 avg.	2.47	3.65	3.95	3.35	2.83	2.26	18.51
	DFA	-0.63	2.11	0.73	-0.72	-1.13	0.14	0.50
	Avg.Temp. -ºF '08	44	57	69	75	71	62	
	1971-2000 avg.	47	60	69	74	72	62	
	DFA	-3	-3	0	1	-1	0	
	Accum GDD's '08	121	304	568	743	639	437	2,812
	1971-2000 avg.	136	338	581	736	668	393	2,852
	DFA	-15	-34	-13	7	-29	44	-40
Mitchell (Geddes)	Precip.- inches '08	3.31	5.9	4.9	2.46	0.76	1.07	18.40
	1971-2000 avg.	2.71	3.33	3.52	2.64	2.32	2.27	16.79
	DFA	0.60	2.57	1.38	-0.18	-1.56	-1.20	1.61
	Avg.Temp. -ºF '08	44	51	68	76	73	66	
	1971-2000 avg.	47	59	69	74	72	62	
	DFA	-3	-8	-1	2	1	4	
	Accum GDD's '08	134	302	553	765	714	482	2,950
	1971-2000 avg.	164	360	596	761	720	439	3,040
	DFA	-30	-58	-43	4	-6	43	-90

* DFA - departure from normal, difference current year is greater or less (-) than the long-term average.

Table C. 2008 Glyphosate-resistant corn hybrid entries by brand/hybrid, seed product traits, and index to performance table no. (s).

Brand/Hybrid	Seed Biotech Traits *	Table No. (s)
AGSOURCE/ 3A-095 RR	Gly	1a, 2a
AGSOURCE/ 3C-007RR/YGCB	Cb,Gly	3b, 4b, 5a
AGSOURCE/ 3C-104RR/YGCB	Cb,Gly	5a
AGSOURCE/ 3C-505RR/YGCB	Cb, Gly	3b, 4b, 5a
AGSOURCE/ 3P-400RR/YGPL	Cb,Crw,Gly	1b, 2b
AGSOURCE/ 3T-006A VT3	Cb,Crw,Gly	3b
AGSOURCE/ 3T-096 VT3	Cb,Crw,Gly	1a, 2a
AGSOURCE/ 3T-110 VT3	Cb,Crw,Gly	6a
AGSOURCE/ 3T-302 VT3	Cb,Crw,Gly	3a
AGSOURCE/ 3T-303 VT3	Cb,Crw,Gly	4b
AGSOURCE/ 3T-303A VT3	WBcw,Cb,Bcw,Faw,MCrw,NCrw,WCrw,Glu,Gly	3b, 4b, 5a
AGSOURCE/ 3T-310 VT3	Cb,Crw,Gly	5b, 6a
AGSOURCE/ 3T-311 VT3	Cb,Crw,Gly	6a
AGSOURCE/ 3T-393 VT3	Cb,Crw,Gly	1a, 2a
AGSOURCE/ 3T-399 VT3	Cb,Crw,Gly	1b, 2b
AGSOURCE/ 3T-409 VT3	Cb,Crw,Gly	5b, 6a
AGSOURCE/ 3T-495 VT3	Cb,Crw,Gly	1a, 2a
AGSOURCE/ 3T-603 VT3	Cb,MCrw,NCrw,WCrw,Glu,Gly	3b, 4b, 5a
AGSOURCE/ 3T-710 VT3	Cb,Crw,Gly	5b, 6a
AGSOURCE/ 3T-799 VT3	Cb,Crw,Gly	1b, 2b, 3a, 4a
AGSOURCE/ 3T-908 VT3	Cb,Crw,Gly	5b
AGSOURCE/ 3T-995 VT3	Cb,Crw,Gly	1a, 2a
AGSOURCE/ 5H-597 RR/HX	WBcw,Cb,Bcw,Faw,Glu,Gly	1a, 2a, 3a, 4a
AGSOURCE/ 5H-599 RR/HX	WBcw,Cb,Bcw,Faw,Glu,Gly	4a
AGSOURCE/ 5N-898GTCBLLRW	Cb,MCrw,NCrw,WCrw,Glu,Gly	1b, 2b, 3a, 4a
AGSOURCE/ 5X-201+HXT/RR	WBcw,Cb,Bcw,Faw,MCrw,NCrw,WCrw,Glu,Gly	1b, 2b, 3a, 4a
DAIRYLAND/ STEALTH-6208	Gly	5b, 6a
DAIRYLAND/ STEALTH-7891	Cb,Gly,Glu	2a
DAIRYLAND/ STEALTH-9003	Cb,Crw,Gly	4b
DAIRYLAND/ STEALTH-9005	Cb,Crw,Gly	5a
DAIRYLAND/ STEALTH-9006	Cb,Crw,Gly	6a
DAIRYLAND/ STEALTH-9196	Cb,Crw,Gly	1b, 2b
DAIRYLAND/ STEALTH-9410	Cb,Crw,Gly	6a
DAIRYLAND/ STEALTH-9497	Cb,Crw,Gly	2b
DAIRYLAND/ STEALTH-9594	Gly	1a, 2a
DAIRYLAND/ STEALTH-9799	Cb,Crw,Gly	1b, 3a, 4a
DAIRYLAND/ STEALTH-9902	Cb,Gly	1b, 3b, 4b
DEKALB/ DKC42-91(VT3)	Cb,Crw,Gly	1a, 2a
DEKALB/ DKC43-27(VT3)	Cb,Crw,Gly	1a, 2a, 3a, 4a, 5a
DEKALB/ DKC46-60(VT3)	Cb,Crw,Gly	1b, 2b, 3a, 4a
DEKALB/ DKC48-37(VT3)	Cb,Crw,Gly	1b, 2b
DEKALB/ DKC50-44(VT3)	Cb,Crw,Gly	1b, 2b
DEKALB/ DKC52-59(VT3)	Cb,Crw,Gly	1b, 2b, 3b, 4b, 5a, 6a
DEKALB/ DKC53-17(VT3)	Cb,Crw,Gly	3b, 4b, 5a, 6a
DEKALB/ DKC53-41(VT3)	Cb,Crw,Gly	1b, 2b, 3b, 4b, 5a, 6a
DEKALB/ DKC55-24(VT3)	Cb,Crw,Gly	3b, 4b, 5a, 6a
DEKALB/ DKC58-16(VT3)	Cb,Crw,Gly	5b, 6a
DEKALB/ DKC61-69(VT3)	Cb,Crw,Gly	5b, 6b
DEKALB/ DKC63-42(VT3)	Cb,Crw,Gly	6b
EPLEY/ E1165RR	Gly	3a, 4a, 5a
EPLEY/ E1225RR	Gly	3a, 4a, 5a
EPLEY/ E1254 VT3	Gly	3a, 5a
EPLEY/ E1265RR	Gly	3a, 4a, 5a
EPLEY/ E1475RR	Gly	3b, 4b, 5a
EPLEY/ E1525RR	Gly	5a, 3b, 4b
FARM ADVANTAGE/ 6894	Gly	1a, 2a
FARM ADVANTAGE/ 87A10GL	Cb,Crw,Glu,Gly	5b, 6a
FARM ADVANTAGE/ 87A99GL	Cb,MCrw,NCrw,WCrw,Glu,Gly	1b, 2b, 3a, 4a
FARM ADVANTAGE/ 9803GL	Cb,Gly,Glu	3b, 4b, 5a, 6a
FARM ADVANTAGE/ 9890GL	Cb,Gly,Glu	1a, 2a

* The key to biotech traits is listed at the end of this table.

Table C. 2008 Glyphosate-resistant corn hybrid entries by brand/hybrid, seed product traits, and index to performance table no.(s) (Continued).

Brand/Hybrid	Seed Biotech Traits *	Table No. (s)
FIELDERS CHOICE/ NG6510	Cb,Crw,Gly	1b
FIELDERS CHOICE/ NG6520	Cb,Crw,Gly	2b, 3a, 4a
FIELDERS CHOICE/ NG6583	Cb,Crw,Gly	2b, 4b
FIELDERS CHOICE/ NG6686	Cb,Crw,Gly	5b, 6a
FONTANELLE/ 5T128	Cb,Crw,Gly	5a
FONTANELLE/ 5T750	Cb,Crw,Gly	5a
FONTANELLE/ 6T226	Cb,Crw,Gly	5a, 6a
FONTANELLE/ 7N771	Cb, Gly	6a
FONTANELLE/ 7T231	Cb,Crw,Gly	6a
FOUR STAR/ 6844VT3	Cb,Crw,Gly	6a
FOUR STAR/ 6861VT3	Cb,Crw,Gly	6a
FOUR STAR/ 6862VT3	Cb,Crw,Gly	6a
FOUR STAR/ 6863VT3	Cb,Crw,Gly	6a
FOUR STAR/ 8843HXTRRLL	Cb,Bcw,WBcw,Faw,NCrw,WCrw,Gly,Glu	6a
FOUR STAR/ 9956VT3	"Cb,Crw,Gly"	6a
G2 GENET./ 3A-513 RR	Cb,Gly	6b
G2 GENET./ 5H-004 RR/HX	WBcw,Cb,Bcw,Faw,Gly,Glu	3b
G2 GENET./ 5H-298 RR/HX	WBcw,Cb,Bcw,Faw,Gly,Glu	1b, 2b, 3a, 4a
G2 GENET./ 5H-501 RR/HX	WBcw,Cb,Bcw,Faw,Gly,Glu	2b, 3a, 4a
G2 GENET./ 5H-506 RR/HX	WBcw,Cb,Bcw,Faw,Gly,Glu	3b, 4b, 5a, 6a
G2 GENET./ 5H-506A RR/HX	WBcw,Cb,Bcw,Faw,Gly,Glu	3b, 4b, 5a, 6a
G2 GENET./ 5H-508 RR/HX	WBcw,Cb,Bcw,Faw,Gly,Glu	3b, 4b, 5b, 6a
G2 GENET./ 5H-702 RR/HX	WBcw,Cb,Bcw,Faw,Gly,Glu	1b, 2b
G2 GENET./ 5H-906 RR/HX	WBcw,Cb,Bcw,Faw,Gly,Glu	3b, 4b, 5a, 6a
G2 GENET./ 5H-911 RR/HX	WBcw,Cb,Bcw,Faw,Gly,Glu	6a
GCS/ 100-07VT3	Cb,Crw,Gly	3a, 4a
GCS/ 102-04VT3	Cb,Crw,Gly	3b, 4b
GCS/ 102-04VT3	Cb,Crw,Gly	6a
GCS/ 107-01CBRCRW	Cb,Crw,Gly	6a
GCS/ 92-03VT3	Cb,Crw,Gly	1a, 2a
GCS/ 94-04VT3	Cb,Crw,Gly	1a, 2a, 3a, 4a
GCS/ 96-08VT3	Cb,Crw,Gly	1a, 2a, 3a, 4a
GCS/ 98-10VT3	Cb,Crw,Gly	1b, 2b, 3a, 4a
HEINE/ H633RR	Gly	5a
HEINE/ H711RR	Gly	5a
HEINE/ H724VT3	Cb,Crw,Gly	5a
HEINE/ H742RRCRW	Crw,Gly	5a, 6a
HEINE/ H747RRYGCB	Cb, Gly	6a
HEINE/ H815VT3	Cb,Crw,Gly	5b, 6a
HEINE/ H816VT3	Cb,Crw,Gly	5b, 6a
HEINE/ H817VT3	Cb,Crw,Gly	5b, 6a
HEINE/ H835VT3	Cb,Crw,Gly	6a
HOEGEMEYER/ 3113VTRR	Cb,Crw,Gly	4a
HOEGEMEYER/ 5353VTRR	Cb,Crw,Gly	6a
HOEGEMEYER/ 8192HXRR	WBcw,Cb,Bcw,Faw,Gly,Glu	4b, 5a
HOEGEMEYER/ EXP 800	Gly	5a
KALTENBERG/ 4486RRLLBTHX	WBcw,Cb,Bcw,Faw,Gly,Glu	4a
KALTENBERG/ 5232RRLLBTHX	WBcw,Cb,Bcw,Faw,Gly,Glu	5a
KALTENBERG/ 6355RRLLBTHX	WBcw,Cb,Bcw,Faw,Gly,Glu	6a
KALTENBERG/ K3843RRPLUS	Cb,MCrw,NCrw,WCrw,Glu,Gly	2a
KALTENBERG/ K4263VT3	Cb,MCrw,NCrw,WCrw,Glu,Gly	2b, 4a
KALTENBERG/ K4433VT3	Cb,Crw,Gly	4a
KALTENBERG/ K5163VT3	Cb,Crw,Gly	5a
KALTENBERG/ K6663VT3	Cb,MCrw,NCrw,WCrw,Glu,Gly	6a
KRUGER/ 1295RR	Gly	1a, 2a
KRUGER/ 1490RR	Gly	1a, 2a
KRUGER/ 2090RR/YGCB	Cb,Gly	1a, 2a
KRUGER/ 2115RR/YGCB	Cb,Gly	6b
KRUGER/ 2808RR/YGCB	Cb,Bcw,WBcw,Faw,NCrw,WCrw,Gly,Glu	6b
KRUGER/ 3300RR/HX	WBcw,Cb,Bcw,Faw,Gly,Glu	3a, 4a

* The key to biotech traits is listed at the end of this table.

Table C. 2008 Glyphosate-resistant corn hybrid entries by brand/hybrid, seed product traits, and index to performance table no.(s) (Continued).

Brand/Hybrid	Seed Biotech Traits *	Table No. (s)
KRUGER/ 6006VT3	Cb,Crw,Gly	3b, 4b, 5b
KRUGER/ 6007TS	Cb,Crw,Gly	3b, 4b, 5b, 6a
KRUGER/ 6011TS	Cb,Crw,Gly	6b
KRUGER/ 6015VT3	Cb,Crw,Gly	6b
KRUGER/ 6093VT3	Cb,Crw,Gly	1a, 2a
KRUGER/ 6094VT3	Cb,Crw,Gly	1a, 2a
KRUGER/ 6097VT3	Cb,Crw,Gly	1b, 2b, 3a, 4a
KRUGER/ 6102VT3	Cb,Crw,Gly	1b, 2b, 3b, 4b, 5a
KRUGER/ 6111TS	Cb,Crw,Gly	5b, 6a
KRUGER/ 6114VT3	Cb,Crw,Gly	6b
KRUGER/ 6208VT3	Cb,Crw,Gly	5b, 6a
KRUGER/ 6210TS	Cb,Crw,Gly	5b, 6a
KRUGER/ 6212TS	Cb,Crw,Gly	6b
KRUGER/ 6213VT3	Cb,Crw,Gly	6b
KRUGER/ 6298VT3	Cb,Crw,Gly	1b, 2b, 3a, 4a
KRUGER/ 6400TS	Cb,Crw,Gly	1b, 2b
KRUGER/ 6401VT3	Cb,Crw,Gly	1b, 2b, 3b, 4b, 5a
KRUGER/ 6411VT3	Cb,Crw,Gly	6b
KRUGER/ 6499VT3	Cb,Crw,Gly	1b, 2b, 3a, 4a
KRUGER/ 6503TS	Cb,Bcw,WBcw,Faw,NCrw,WCrw,Gly,Glu	4b, 5a
KRUGER/ 6606VT3	Cb,Crw,Gly	3b, 4b, 5b
KRUGER/ 6697VT3	Cb,Crw,Gly	1b, 2b, 3a, 4a
KRUGER/ 9414RR/HXT	Cb,Bcw,WBcw,Faw,NCrw,WCrw,Gly,Glu	6b
NC+/ 1557 VT3	Cb,Crw,Gly	3a, 4a
NC+/ 1775 VT3	Cb,Crw,Gly	3a, 4a, 5a
NC+/ 1887 VT3	Cb,Crw,Gly	3a
NC+/ 1981 R	Gly	3a, 4a, 5a
NC+/ 2174 VT3	Cb,Crw,Gly	4b
NC+/ 3613 VT3	Cb,Crw,Gly	5a, 6a
NC+/ 4022 VT3	Cb,Crw,Gly	5b, 6a
NC+/ 4252 VT3	Cb,Crw,Gly	5b, 6a
NC+/ 4582 VT3	Cb,Crw,Gly	6a
NC+/ 5403 VT3	Cb,Crw,Gly	6b
NUTECH/ 3C-006 RR/YGCB	Cb,Gly	4b
NUTECH/ 3C-104 RR/YGCB	Cb,Gly	5a
NUTECH/ 3C-300 RR/YGCB	Cb,Gly	1b, 2b
NUTECH/ 3C-408 RR/YGCB	Cb,Gly	3b, 4b, 5b, 6a
NUTECH/ 3C-907 RR/YGCB	Cb,Gly	4b
NUTECH/ 3P-098 RR/YGPL	Cb,Crw,Gly	3a
NUTECH/ 3P-098A RR/YGPL	Cb,Crw,Gly	1a, 2a
NUTECH/ 3P-302 RR/YGPL	Cb,Crw,Gly	2b
NUTECH/ 3P-494+ RR/YGPL	Cb,Crw,Gly	1a, 2a
NUTECH/ 3P-708 RR/YGPL	Cb,Crw,Gly	3b, 5b, 6a
NUTECH/ 3T-012 VT3	Cb,Crw,Gly	6b
NUTECH/ 3T-096A VT3	Cb,Crw,Gly	1a, 2a, 4a
NUTECH/ 3T-098 VT3	Cb,Crw,Gly	1b, 2b, 3a, 4a
NUTECH/ 3T-098A VT3	Cb,Crw,Gly	1a, 2a
NUTECH/ 3T-101+ VT3	Cb,Crw,Gly	1b, 2b
NUTECH/ 3T-109 VT3	Cb,Crw,Gly	5b, 6a
NUTECH/ 3T-213 VT3	Cb,Crw,Gly	6b
NUTECH/ 3T-500 VT3	Cb,Crw,Gly	1b, 2b
NUTECH/ 3T-500A VT3	Cb,Crw,Gly	3b
NUTECH/ 3T-595 VT3	Cb,Crw,Gly	1a, 2a
NUTECH/ 3T-808 VT3	Cb,Crw,Gly	3b, 4b, 5b
NUTECH/ 3T-808A VT3	Cb,Crw,Gly	6a
NUTECH/ 3T-809 VT3	Cb,Crw,Gly	5b, 6a
NUTECH/ 3T-912 VT3	Cb,Crw,Gly	6b
NUTECH/ 3W-403 RR/YGRW	Crw,Gly	3b, 4b, 5a
NUTECH/ 5H-512 RR/HXT	WBcw,Cb,Bcw,Faw,MCrw,NCrw,WCrw,Glu,Gly	6b
NUTECH/ 5H-599 RR/HX	WBcw,Cb,Bcw,Faw,Glu,Gly	1b

* The key to biotech traits is listed at the end of this table.

Table C. 2008 Glyphosate-resistant corn hybrid entries by brand/hybrid, seed product traits, and index to performance table no.(s) (Continued).

Brand/Hybrid	Seed Biotech Traits *	Table No. (s)
PIONEER/ 35F40	WBcw,Cb,Bcw,Faw,Glu,Gly	3b, 4b, 5a, 6a
PIONEER/ 36V53	WBcw,Cb,Bcw,Faw,Glu,Gly	1b, 3b, 4b, 5a, 6a
PIONEER/ 38H08	WBcw,Cb,Bcw,Faw,Glu,Gly	1a, 2a
REA/ 4T105	Cb,Crw,Gly	2a
REA/ 4T417	Cb,Crw,Gly	1a, 2a
REA/ 4T722	Cb,Crw,Gly	1a
REA/ 5T128	Cb,Crw,Gly	1b, 2b
RENK/ RK488RRYGPL	Cb,Crw,Gly	1b, 2b
RENK/ RK570VT3	Cb,Crw,Gly	1b, 2b
RENK/ RK575VT3	Cb,Crw,Gly	1b, 2b, 3a, 4a
RENK/ RK670VT3	Cb,Crw,Gly	3b, 4b
RENK/ RK698RRYGRW	Crw,Gly	5b, 6a
RENK/ RK760RRYGCB	Cb,Gly	4b, 5b
RENK/ RK770VT3	Cb,Crw,Gly	5b, 6a
RENK/ RK822VT3	Cb,Crw,Gly	5b, 6a
SEEDS 2000/ 3122RR/BT	Cb,Gly	3b, 4b
SEEDS 2000/ 9501VT3	Cb,Crw,Gly	1a, 2a
SEEDS 2000/ 9901VT3	Cb,Crw,Gly	1b, 2b, 3a, 4a
WENSMAN/ W7107VT3	Cb,Crw,Gly	1a, 2a
WENSMAN/ W7143VT3	Cb,Crw,Gly	1a, 2a
WENSMAN/ W7267VT3	Cb,Crw,Gly	1b, 2b, 3a, 4a
WENSMAN/ W7273VT3	Cb,Crw,Gly	1b, 2b, 3a, 4a
WENSMAN/ W7289VT3	Cb,Crw,Gly	3a, 4a
WENSMAN/ W7309VT3	Cb,Crw,Gly	3b, 4b
WENSMAN/ W7360BTRWRR	Cb,Crw,Gly	3b, 4b, 5a
WENSMAN/ W7433VT3	Cb,Crw,Gly	5a
WENSMAN/ W7455VT3	Cb,Crw,Gly	5b, 6a
WENSMAN/ W7469VT3	Cb,Crw,Gly	5b, 6a
WENSMAN/ W7562VT3	Cb,Crw,Gly	6b

* Key to biotech traits that impart resistance, tolerance, or protection:

Insect traits - Black cutworm (Bcw), Corn borer (Cb), corn rootworm (Crw), Mexican Corn rootworm (MCrw), Northern Corn rootworm (NCrw), Western Corn rootworm (WCrw), Fall Armyworm (Faw), and Western Bean cutworm (WBcw)

Herbicide traits - Glyphosate tolerance (Gly), Glufosinate tolerance (Glu).

NOTE: Biotech traits were obtained by referencing the product registrant trade name and seed characteristics as listed in the Know Before You Grow section at the National Corn Growers Website (http://www.ncga.com/) with the hybrid information supplied by each seed company. Since these biotech seed products change over time, growers are encouraged to verify the biotech traits of any hybrid (s) of interest with the respective seed dealer.

Table D. Explanation of performance table footnotes.

No.	Explanation of footnotes
[1]	Entries are listed by Brand/Variety- Entries are sorted by 2-yr then by 2008 yield average.
[2]	Brand Relative Maturity (Rel. Mat.)– the relative maturity rating as reported by the seed company.
[3]	Lodging Percentage– percentage of stalks broken below the ear at harvest.
[4]	Final Stand Percentage – the number of standing stalks at harvest as a percentage of the seeded population.
[5]	Least Significant Difference (LSD 0.05) – the difference two values within a column must equal or exceed to be significantly different (0.05 level of probability). If their difference Is less than the LSD value the difference is nonsignificant (NS).
[6]	Min. TPG-avg.– the minimum column value for yield, bushel weight, and final stand percentage that a hybrid must equal or exceed to be in the TPG.
[7]	Max. TPG-avg.– the maximum column value for grain moisture at harvest, lodging percentage, or lodging score that a hybrid must equal or be less than to be in the TPG.
[8]	Coefficient of variation (C.V.) - the percent of experimental error associated with a test trial. Ideally, the CV value for yield is less than 15%. Values less than 5% are less common while values of 6-15% are more common. If values exceed 15%; the trial contained too much experimental error to be valid; so data for that trial was not reported.

Table 1a. Warner early maturity Roundup Ready corn hybrid test results, 2007-08, Allen & Inel Ryckman Farm, Seeded May 13, 2008 at 28,750 seeds per acre.

Brand/Hybrid + Seed Treatment [1]	Rel. Mat. [2]	Yield Averages		Other 2008 Averages			
		2-Yr bu/a	2008 bu/a	Bu.Wt. lb	Grain Moisture Pctg	Lodging Pctg [3]	Final Stand Pctg [4]
NUTECH/ 3T-098A VT3 + Cruiser 250	95	198	195	54	24	0	98
NUTECH/ 3P-098A RR/YGPL + Cruiser 250	95	196	197	55	24	1	98
AGSOURCE/ 3T-995 VT3 + Poncho 250	95	192	189	55	23	9	92
NUTECH/ 3P-494+ RR/YGPL + Cruiser 250	94	191	191	55	22	3	96
NUTECH/ 3T-595 VT3 + Cruiser 250	95	185	180	55	21	5	98
AGSOURCE/ 3T-096 VT3 + Cruiser 250	95	183	177	55	24	4	81
KRUGER/ 2090RR/YGCB + Cruiser 250	90	179	176	57	17	20	98
KRUGER/ 1490RR + Cruiser 250	90	165	153	58	19	5	98
GCS/ 96-08VT3 + Poncho 250	95	.	207	53	23	5	99
REA/ 4T417 + Poncho 250	92	.	203	56	23	4	98
AGSOURCE/ 5H-597 RR/HX + Poncho 250	95	.	202	53	27	1	94
REA/ 4T722 + Poncho 250	95	.	199	55	23	1	99
GCS/ 94-04VT3 + Poncho 250	94	.	195	57	23	5	96
KRUGER/ 6094VT3 + Cruiser 250	94	.	194	57	21	4	95
PIONEER/ 38H08 + Poncho 1250	92	.	193	53	16	10	95
KRUGER/ 1295RR + Cruiser 250	95	.	192	56	20	5	100
DEKALB/ DKC43-27(VT3) + Poncho 250	93	.	191	56	19	0	97
SEEDS 2000/ 9501VT3 + Poncho 250	95	.	189	55	20	2	100
WENSMAN/ W7143VT3 + Poncho 250	93	.	187	58	20	4	92
AGSOURCE/ 3A-095 RR + Poncho 250	95	.	185	56	21	3	86
GCS/ 92-03VT3 + Poncho 250	92	.	184	55	22	1	100
DAIRYLAND/ STEALTH-9594 + Poncho 250	94	.	182	56	19	12	91
NUTECH/ 3T-096A VT3 + Cruiser 250	95	.	181	56	24	2	84
WENSMAN/ W7107VT3 + Poncho 250	90	.	181	56	21	7	89
AGSOURCE/ 3T-393 VT3 + Cruiser 250	93	.	180	55	21	3	97
KRUGER/ 6093VT3 + Cruiser 250	93	.	179	55	24	3	96
AGSOURCE/ 3T-495 VT3 + Poncho 250	95	.	175	53	16	12	96
DEKALB/ DKC42-91(VT3) + Poncho 250	92	.	174	56	19	17	97
FARM ADVANTAGE/ 9890GL + Cruiser 250	90	.	172	55	16	24	92
FARM ADVANTAGE/ 6894 + Cruiser 250	94	.	169	55	23	20	89
Trial avg.:	94	186	186	55	21	6	95
High avg.:	95	198	207	58	27	24	100
Low avg.:	90	165	153	53	16	0	81
[5] LSD(.05):		13	17	2	2	7	5
[6] Min.TPG value:		186	191	57	.	.	96
[7] Max.TPG value:		.	.	.	17	7	.
[8] Coef. of var.:		5	6	2	5	69	3
No. entries:	30	8	30	30	30	30	30

[1] Entries are listed by Brand/Hybrid and sorted by 2-yr then by 2008 yield average.
Note that additional table footnotes are explained in table D.

Table 1b. Warner late maturity Roundup Ready corn hybrid test results, 2007-08, Allen & Inel Ryckman Farm. Seeded May 13, 2008 at 28,750 seeds per acre.

Brand/Hybrid + Seed Treatment [1]	Rel. Mat. [2]	Yield Averages		Other 2008 Averages			
		2-Yr bu/a	2008 bu/a	Bu.Wt. lb	Grain Moisture Pctg	Lodging Pctg [3]	Final Stand Pctg [4]
SEEDS 2000/ 9901VT3 + Poncho 250	99	197	210	55	23	2	99
KRUGER/ 6499VT3 + Cruiser 250	99	194	200	54	24	1	95
DEKALB/ DKC46-60(VT3) + Poncho 250	96	192	199	54	22	1	93
NUTECH/ 3T-098 VT3 + Cruiser 250	98	192	196	54	24	1	86
WENSMAN/ W7267VT3 + Poncho 250	97	191	192	54	22	3	95
FIELDERS CHOICE/ NG6510 + Poncho 250	98	187	180	54	25	4	86
DAIRYLAND/ STEALTH-9196 + Poncho 250	96	186	193	55	23	5	88
AGSOURCE/ 3T-799 VT3 + Cruiser 250	99	185	187	52	25	2	94
DAIRYLAND/ STEALTH-9799 + Poncho 250	99	184	189	54	22	2	99
GCS/ 98-10VT3 + Poncho 250	98	178	175	53	22	3	97
RENK/ RK488RRYGPL + Poncho 250	96	176	179	55	22	7	95
PIONEER/ 36V53 + Poncho 1250	102	.	218	51	25	1	98
KRUGER/ 6401VT3 + Cruiser 250	101	.	217	53	26	4	97
DEKALB/ DKC50-44(VT3) + Poncho 250	100	.	207	54	25	6	93
DEKALB/ DKC52-59(VT3) + Poncho 250	102	.	205	53	26	3	92
KRUGER/ 6102VT3 + Cruiser 250	102	.	205	56	23	3	99
KRUGER/ 6097VT3 + Cruiser 250	97	.	202	52	23	4	95
AGSOURCE/ 3P-400RR/YGPL + Cruiser 250	100	.	201	53	26	1	95
G2 GENET./ 5H-298 RR/HX + Poncho 250	98	.	200	53	23	0	97
WENSMAN/ W7273VT3 + Poncho 250	98	.	199	54	22	4	96
AGSOURCE/ 3T-399 VT3 + Poncho 250	99	.	198	54	24	22	99
AGSOURCE/ 5N-898GTCBLLRW + Poncho 250	98	.	197	53	24	4	98
RENK/ RK570VT3 + Poncho 250	96	.	196	53	22	0	92
DEKALB/ DKC53-41(VT3) + Poncho 250	103	.	193	54	23	17	94
KRUGER/ 6298VT3 + Cruiser 250	98	.	191	54	21	4	97
AGSOURCE/ 5X-201+HXT/RR + Poncho 250	100	.	189	51	27	1	94
REA/ 5T128 + Poncho 250	100	.	188	53	25	2	98
NUTECH/ 3C-300 RR/YGCB + Poncho 250	100	.	186	54	22	11	92
NUTECH/ 5H-599 RR/HX + Poncho 250	99	.	185	51	25	1	91
NUTECH/ 3T-500 VT3 + Poncho 250	100	.	185	54	23	7	98
G2 GENET./ 5H-702 RR/HX + Poncho 250	100	.	185	53	24	12	88
FARM ADVANTAGE/ 87A99GL + Cruiser 250	99	.	184	53	24	7	94
DEKALB/ DKC48-37(VT3) + Poncho 250	98	.	182	55	22	6	94
RENK/ RK575VT3 + Poncho 250	97	.	181	53	23	3	91
KRUGER/ 6697VT3 + Cruiser 250	96	.	178	55	21	5	94
KRUGER/ 6400TS + Cruiser 250	100	.	178	55	20	19	95
DAIRYLAND/ STEALTH-9902 + Poncho 250	102	.	177	54	23	8	90
NUTECH/ 3T-101+ VT3 + Poncho 250	100	.	169	52	26	5	82
Trial avg.:	99	187	192	54	23	5	94
High avg.:	103	197	218	56	27	22	99
Low avg.:	96	176	169	51	20	0	82
[5] LSD(.05):		16	19	2	2	7	6
[6] Min.TPG value:		182	200	55	.	.	94
[7] Max.TPG value:		.	.	.	21	7	.
[8] Coef. of var.:		5	6	2	5	83	4
No. entries:	38	11	38	38	38	38	38

[1] Entries are listed by Brand/Hybrid and sorted by 2-yr then by 2008 yield average.
Note that additional table footnotes are explained in table D.

Table 2a. South Shore early maturity Roundup Ready corn hybrid test results, 2007-08, Northeast Research Farm. Seeded May 14, 2008 at 28,750 seeds per acre.

Brand/Hybrid + Seed Treatment [1]	Rel. Mat. [2]	Yield Averages		Other 2008 Averages			
		2-Yr bu/a	2008 bu/a	Bu.Wt. lb	Grain Moisture Pctg	Lodging Score [*]	Final Stand Pctg [4]
AGSOURCE/ 3T-995 VT3 + Poncho 250	95	182	191	53	23	3	97
NUTECH/ 3T-595 VT3 + Cruiser 250	95	181	176	54	22	3	96
AGSOURCE/ 3T-096 VT3 + Cruiser 250	95	180	171	55	24	3	95
KRUGER/ 2090RR/YGCB + Cruiser 250	90	176	168	55	20	3	95
SEEDS 2000/ 9501VT3 + Poncho 250	95	167	152	54	20	1	98
NUTECH/ 3P-098A RR/YGPL + Cruiser 250	95	166	139	54	22	1	97
KRUGER/ 1490RR + Cruiser 250	90	165	159	56	20	3	97
NUTECH/ 3T-098A VT3 + Cruiser 250	95	164	147	54	22	1	98
NUTECH/ 3P-494+ RR/YGPL + Cruiser 250	94	153	113	52	24	2	100
DEKALB/ DKC43-27(VT3) + Poncho 250	93	.	192	55	21	3	97
FARM ADVANTAGE/ 6894 + Cruiser 250	94	.	177	54	23	2	96
DEKALB/ DKC42-91(VT3) + Poncho 250	92	.	175	56	21	3	95
GCS/ 94-04VT3 + Poncho 250	94	.	173	54	24	4	95
PIONEER/ 38H08 + Poncho 1250	92	.	172	53	22	3	97
GCS/ 92-03VT3 + Poncho 250	92	.	172	55	24	3	96
AGSOURCE/ 5H-597 RR/HX + Poncho 250	95	.	172	51	27	3	95
WENSMAN/ W7107VT3 + Poncho 250	90	.	171	56	19	3	96
KRUGER/ 6093VT3 + Cruiser 250	93	.	169	53	24	3	96
KRUGER/ 1295RR + Cruiser 250	95	.	169	52	22	4	96
DAIRYLAND/ STEALTH-7891 + Poncho 250	91	.	168	55	18	3	97
REA/ 4T417 + Poncho 250	92	.	168	54	24	3	98
WENSMAN/ W7143VT3 + Poncho 250	93	.	167	56	22	3	98
KRUGER/ 6094VT3 + Cruiser 250	94	.	166	55	24	3	97
FARM ADVANTAGE/ 9890GL + Cruiser 250	90	.	164	54	18	4	96
NUTECH/ 3T-096A VT3 + Cruiser 250	95	.	162	53	24	3	94
AGSOURCE/ 3A-095 RR + Poncho 250	95	.	150	55	22	2	99
REA/ 4T105 + Poncho 250	95	.	148	53	21	1	96
KALTENBERG/ K3843RRPLUS + Poncho 250	95	.	144	51	23	3	95
AGSOURCE/ 3T-495 VT3 + Poncho 250	95	.	144	52	19	4	91
AGSOURCE/ 3T-393 VT3 + Cruiser 250	93	.	142	54	21	2	96
DAIRYLAND/ STEALTH-9594 + Poncho 250	94	.	139	54	16	3	96
GCS/ 96-08VT3 + Poncho 250	95	.	135	54	19	1	99
Trial avg.:	93	170	161	54	22	3	96
High avg.:	95	182	192	56	27	4	100
Low avg.:	90	153	113	51	16	1	91
[5] LSD(.05):		NS	21	2	3	1	NS
[6] Min.TPG value:		153	172	55	.	.	91
[7] Max.TPG value:		.	.	.	18	1	.
[8] Coef. of var.:		8	8	2	6	23	2
No. entries:	32	9	32	32	32	32	32

[1] Entries are listed by Brand/Hybrid and sorted by 2-yr then by 2008 yield average.
Note that additional table footnotes are explained in table D.
[*] Lodging scores: 0= all plants erect, 3= 50% of plants lodged at 45°-angle, 5= all plants flat. This trial was exposed to extremely high winds on July 31, 2008. To facilitate the collection of lodging data following these high winds lodging was accessed as a lodging score as opposed to a lodging percentage that was collected at other test trials.

Table 2b. South Shore late maturity Roundup Ready corn hybrid test results, 2007-08, Northeast Research Farm. Seeded May 14, 2008 at 28,750 seeds per acre.

Brand/Hybrid + Seed Treatment [1]	Rel. Mat. [2]	Yield Averages		Other 2008 Averages			
		2-Yr bu/a	2008 bu/a	Bu.Wt. lb	Grain Moisture Pctg	Lodging Score [*]	Final Stand Pctg [4]
DEKALB/ DKC46-60(VT3) + Poncho 250	96	187	191	52	23	3	97
RENK/ RK488RRYGPL + Poncho 250	96	185	178	54	21	3	97
DAIRYLAND/ STEALTH-9497 + Poncho 250	97	182	184	52	22	3	96
NUTECH/ 3P-302 RR/YGPL + Cruiser 250	100	179	166	51	27	4	98
SEEDS 2000/ 9901VT3 + Poncho 250	99	174	179	51	25	4	98
GCS/ 98-10VT3 + Poncho 250	98	171	157	54	23	1	97
AGSOURCE/ 3T-799 VT3 + Cruiser 250	99	167	161	52	24	1	96
NUTECH/ 3T-098 VT3 + Cruiser 250	98	166	150	53	24	1	97
DAIRYLAND/ STEALTH-9196 + Poncho 250	96	165	150	54	21	1	97
WENSMAN/ W7267VT3 + Poncho 250	97	163	150	53	23	1	96
KRUGER/ 6499VT3 + Cruiser 250	99	157	143	54	21	1	97
KRUGER/ 6102VT3 + Cruiser 250	102	.	188	53	24	3	97
DEKALB/ DKC48-37(VT3) + Poncho 250	98	.	184	54	23	3	97
KRUGER/ 6298VT3 + Cruiser 250	98	.	184	54	23	3	98
WENSMAN/ W7273VT3 + Poncho 250	98	.	183	52	23	3	97
G2 GENET./ 5H-702 RR/HX + Poncho 250	100	.	181	53	24	3	97
DEKALB/ DKC50-44(VT3) + Poncho 250	100	.	179	52	25	4	97
AGSOURCE/ 5N-898GTCBLLRW + Poncho 250	98	.	177	52	26	2	98
FARM ADVANTAGE/ 87A99GL + Cruiser 250	99	.	175	52	26	3	97
DEKALB/ DKC53-41(VT3) + Poncho 250	103	.	174	51	26	4	98
AGSOURCE/ 3T-399 VT3 + Poncho 250	99	.	173	55	24	3	96
AGSOURCE/ 3P-400RR/YGPL + Cruiser 250	100	.	173	53	24	3	98
NUTECH/ 3C-300 RR/YGCB + Poncho 250	100	.	172	51	25	3	96
NUTECH/ 3T-500 VT3 + Poncho 250	100	.	171	53	25	2	97
RENK/ RK575VT3 + Poncho 250	97	.	171	52	21	2	97
KALTENBERG/ K4263VT3 + Poncho 250	98	.	171	53	23	3	95
KRUGER/ 6400TS + Cruiser 250	100	.	169	52	25	4	97
KRUGER/ 6401VT3 + Cruiser 250	101	.	167	50	27	4	94
FIELDERS CHOICE/ NG6583 + Poncho 250	102	.	166	52	27	4	93
G2 GENET./ 5H-298 RR/HX + Poncho 250	98	.	163	52	23	3	96
NUTECH/ 3T-101+ VT3 + Poncho 250	100	.	157	52	25	2	99
G2 GENET./ 5H-501 RR/HX + Poncho 250	100	.	156	51	26	4	95
KRUGER/ 6697VT3 + Cruiser 250	96	.	154	52	22	1	98
DEKALB/ DKC52-59(VT3) + Poncho 250	102	.	150	51	23	2	100
KRUGER/ 6097VT3 + Cruiser 250	97	.	148	51	22	2	97
AGSOURCE/ 5X-201+HXT/RR + Poncho 250	100	.	147	52	26	3	98
FIELDERS CHOICE/ NG6520 + Poncho 250	98	.	140	52	22	2	98
RENK/ RK570VT3 + Poncho 250	96	.	138	52	22	2	98
REA/ 5T128 + Poncho 250	100	.	137	52	24	1	97
Trial avg.:	99	172	166	52	24	3	97
High avg.:	103	187	191	55	27	4	100
Low avg.:	96	157	137	50	21	1	93
[5] LSD(.05):		25	16	3	3	1	NS
[6] Min.TPG value:		163	176	53	.	.	93
[7] Max.TPG value:		.	.	.	23	1	.
[8] Coef. of var.:		5	6	3	5	25	2
No. entries:	39	11	39	39	39	39	39

[1] Entries are listed by Brand/Hybrid and sorted by 2-yr then by 2008 yield average.
Note that additional table footnotes are explained in table D.
[*] Lodging scores: 0= all plants erect, 3= 50% of plants lodged at 45°-angle, 5= all plants flat. This trial was exposed to extremely high winds on July 31, 2008. To facilitate the collection of lodging data following these high winds lodging was accessed as a lodging score as opposed to a lodging percentage that was collected at other test trials.

Table 3a. Bancroft early maturity glyphosate-resistant corn hybrid test results, 2007-08, Erland Weerts Farm. Seeded May 21, 2008 at 28,750 seeds per acre.

Brand/Hybrid + Seed Treatment [1]	Rel. Mat. [2]	Yield Averages		Other 2008 Averages			
		2-Yr bu/a	2008 bu/a	Bu.Wt. lb	Grain Moisture Pctg	Lodging Pctg [3]	Final Stand Pctg [4]
DAIRYLAND/ STEALTH-9799 + Poncho 250	99	212	212	55	18	5	95
WENSMAN/ W7267VT3 + Poncho 250	97	205	204	55	18	8	100
NUTECH/ 3P-098 RR/YGPL + Cruiser 250	98	203	197	55	17	3	95
KRUGER/ 6499VT3 + Cruiser 250	99	200	193	55	17	6	98
DEKALB/ DKC46-60(VT3) + Poncho 250	96	198	198	57	18	4	96
AGSOURCE/ 3T-799 VT3 + Cruiser 250	99	195	190	55	19	4	97
WENSMAN/ W7289VT3 + Poncho 250	99	194	210	57	19	8	100
GCS/ 100-07VT3 + Poncho 250	100	190	214	56	18	3	100
GCS/ 98-10VT3 + Poncho 250	98	189	192	54	19	3	96
EPLEY/ E1165RR + Not reported	95	188	183	55	17	4	99
EPLEY/ E1225RR + Not reported	98	184	179	55	19	2	93
NC+/ 1557 VT3 + Cruiser 250	95	.	205	57	19	2	97
NC+/ 1775 VT3 + Cruiser 250	97	.	205	55	18	2	95
G2 GENET./ 5H-501 RR/HX + Poncho 250	100	.	202	55	20	4	94
FIELDERS CHOICE/ NG6520 + Poncho 250	98	.	200	54	18	17	99
NC+/ 1981 R + Cruiser 250	99	.	200	53	19	7	100
GCS/ 96-08VT3 + Poncho 250	95	.	200	53	17	8	98
DEKALB/ DKC48-37(VT3) + Poncho 250	98	.	197	56	19	3	96
KRUGER/ 6097VT3 + Cruiser 250	97	.	197	53	18	10	100
DEKALB/ DKC43-27(VT3) + Poncho 250	93	.	196	56	17	1	99
KRUGER/ 3300RR/HX + Cruiser 250	100	.	196	53	21	2	96
WENSMAN/ W7273VT3 + Poncho 250	98	.	196	54	18	9	98
G2 GENET./ 5H-298 RR/HX + Poncho 250	98	.	194	56	19	1	99
NC+/ 1887 VT3 + Cruiser 250	98	.	194	54	18	4	98
KRUGER/ 6298VT3 + Cruiser 250	98	.	192	56	18	2	99
NUTECH/ 3C-300 RR/YGCB + Poncho 250	100	.	191	55	18	4	96
DEKALB/ DKC50-44(VT3) + Poncho 250	100	.	190	55	19	13	97
NUTECH/ 3T-500 VT3 + Poncho 250	100	.	190	56	20	5	95
EPLEY/ E1265RR + Not reported	100	.	190	54	18	4	99
SEEDS 2000/ 9901VT3 + Poncho 250	99	.	190	56	19	8	97
AGSOURCE/ 5X-201+HXT/RR + Poncho 250	100	.	190	53	22	3	94
NUTECH/ 3T-098 VT3 + Cruiser 250	98	.	189	54	17	5	92
EPLEY/ E1254 VT3 + Not reported	95	.	189	56	20	7	95
G2 GENET./ 5H-702 RR/HX + Poncho 250	100	.	188	56	21	7	96
GCS/ 94-04VT3 + Poncho 250	94	.	188	56	18	9	100
RENK/ RK575VT3 + Poncho 250	97	.	187	54	18	12	99
KRUGER/ 6400TS + Cruiser 250	100	.	186	56	19	6	96
AGSOURCE/ 3T-302 VT3 + Cruiser 250	100	.	186	55	21	2	93
AGSOURCE/ 5H-597 RR/HX + Poncho 250	95	.	185	52	23	2	94
NUTECH/ 3P-302 RR/YGPL + Cruiser 250	100	.	184	56	21	2	97
FARM ADVANTAGE/ 87A99GL + Cruiser 250	99	.	183	54	19	4	96
KRUGER/ 6697VT3 + Cruiser 250	96	.	182	55	18	11	96
AGSOURCE/ 5N-898GTCBLLRW + Poncho 250	98	.	173	55	18	4	98
Trial avg.:	98	196	193	55	19	5	97
High avg.:	100	212	214	57	23	17	100
Low avg.:	93	184	173	52	17	1	92
[5] LSD(0.05):		NS	19	2	2	6	5
[6] Min.TPG value:		184	196	56	.	.	96
[7] Max.TPG value:		.	.	.	18	6	.
[8] Coef. of var.:		6	6	2	5	65	3
No. entries:	43	11	43	43	43	43	43

[1] Entries are listed by Brand/Hybrid and sorted by 2-yr then by 2008 yield average.
Note that additional table footnotes are explained in table D.

Table 3b. Bancroft late maturity glyphosate-resistant corn hybrid test results, 2007-08, Erland Weerts Farm. Seeded May 21, 2008 at 28,750 seeds per acre.

Brand/Hybrid + Seed Treatment [1]	Rel. Mat. [2]	Yield Averages		Other 2008 Averages			
		2-Yr bu/a	2008 bu/a	Bu.Wt. lb	Grain Moisture Pctg	Lodging Pctg [3]	Final Stand Pctg [4]
AGSOURCE/ 3C-007RR/YGCB + Cruiser 250	105	205	204	54	25	3	94
KRUGER/ 6006VT3 + Cruiser 250	106	198	187	55	23	4	97
WENSMAN/ W7309VT3 + Poncho 250	101	194	185	56	20	5	96
AGSOURCE/ 3T-006A VT3 + Cruiser 250	106	189	172	54	22	6	89
EPLEY/ E1525RR + Not reported	105	186	182	55	22	2	96
SEEDS 2000/ 3122RR/BT + Poncho 250	102	185	186	56	19	11	99
GCS/ 102-04VT3 + Poncho 250	102	.	212	55	21	2	98
KRUGER/ 6007TS + Cruiser 250	107	.	210	55	23	3	100
KRUGER/ 6401VT3 + Cruiser 250	101	.	208	56	21	4	100
PIONEER/ 36V53 + Poncho 1250	102	.	207	55	20	3	99
DEKALB/ DKC52-59(VT3) + Poncho 250	102	.	205	53	19	7	98
G2 GENET./ 5H-508 RR/HX + Poncho 250	108	.	203	56	23	0	92
DEKALB/ DKC53-41(VT3) + Poncho 250	103	.	202	55	19	4	99
G2 GENET./ 5H-506A RR/HX + Poncho 250	105	.	201	56	23	2	99
DAIRYLAND/ STEALTH-9902 + Poncho 250	102	.	200	56	19	5	99
DEKALB/ DKC53-17(VT3) + Poncho 250	103	.	199	57	20	1	96
WENSMAN/ W7360BTRWRR + Poncho 250	103	.	199	56	21	3	96
NUTECH/ 3W-403 RR/YGRW + Poncho 250	103	.	198	54	19	3	94
DEKALB/ DKC55-24(VT3) + Poncho 250	105	.	195	55	20	12	95
PIONEER/ 35F40 + Poncho 1250	105	.	195	57	22	2	100
G2 GENET./ 5H-506 RR/HX + Poncho 250	105	.	195	54	23	0	98
AGSOURCE/ 3C-505RR/YGCB + Poncho 250	105	.	194	56	22	3	100
NUTECH/ 3C-408 RR/YGCB + Poncho 250	108	.	193	55	24	9	95
G2 GENET./ 5H-906 RR/HX + Poncho 250	105	.	192	57	23	4	93
KRUGER/ 6606VT3 + Cruiser 250	106	.	192	55	22	6	99
AGSOURCE/ 3T-603 VT3 + Poncho 250	104	.	188	56	18	2	94
NUTECH/ 3T-500A VT3 + Poncho 250	101	.	187	56	20	5	96
EPLEY/ E1475RR + Not reported	104	.	187	54	18	3	93
NUTECH/ 3P-708 RR/YGPL + Poncho 250	108	.	185	53	25	4	100
RENK/ RK670VT3 + Poncho 250	102	.	185	54	19	6	96
KRUGER/ 6102VT3 + Cruiser 250	102	.	185	56	19	6	100
AGSOURCE/ 3T-303A VT3 + Poncho 250	104	.	185	53	22	1	92
FARM ADVANTAGE/ 9803GL + Cruiser 250	103	.	178	53	21	1	99
G2 GENET./ 5H-004 RR/HX + Poncho 250	104	.	175	56	21	5	95
NUTECH/ 3T-808 VT3 + Cruiser 250	108	.	159	55	24	25	100
Trial avg.:	104	193	192	55	21	5	97
High avg.:	108	205	212	57	25	25	100
Low avg.:	101	185	159	53	18	0	89
[5] LSD(0.05):		NS	18	2	2	7	5
[6] Min.TPG value:		185	195	56	.	.	96
[7] Max.TPG value:		.	.	.	19	7	.
[8] Coef. of var.:		5	6	2	3	88	3
No. entries:	35	6	35	35	35	35	35

[1] Entries are listed by Brand/Hybrid and sorted by 2-yr then by 2008 yield average.
Note that additional table footnotes are explained in table D.

Table 4a. Brookings early maturity glyphosate-resistant corn hybrid test results, 2007-08, Plant Science Farm. Seeded May 7, 2008 at 28,750 seeds per acre.

Brand/Hybrid + Seed Treatment [1]	Rel. Mat. [2]	Yield Averages		Other 2008 Averages			
		2-Yr bu/a	2008 bu/a	Bu.Wt. lb	Grain Moisture Pctg	Lodging Pctg [3]	Final Stand Pctg [4]
WENSMAN/ W7289VT3 + Poncho 250	99	191	183	57	19	8	100
HOEGEMEYER/ 3113VTRR + Poncho 250	95	190	182	57	17	4	96
GCS/ 98-10VT3 + Poncho 250	98	190	179	56	16	2	96
AGSOURCE/ 3T-799 VT3 + Cruiser 250	99	189	178	55	20	2	99
WENSMAN/ W7267VT3 + Poncho 250	97	188	181	55	16	4	97
EPLEY/ E1225RR + Not reported	98	186	183	56	19	10	98
DEKALB/ DKC46-60(VT3) + Poncho 250	96	185	175	57	16	2	99
KRUGER/ 6499VT3 + Cruiser 250	99	182	183	55	16	1	100
GCS/ 100-07VT3 + Poncho 250	100	181	184	59	17	4	98
SEEDS 2000/ 9901VT3 + Poncho 250	99	179	175	58	17	6	97
EPLEY/ E1165RR + Not reported	95	175	177	55	16	5	99
G2 GENET./ 5H-298 RR/HX + Poncho 250	98	.	196	55	17	1	100
AGSOURCE/ 5X-201+HXT/RR + Poncho 250	100	.	188	55	19	9	97
DAIRYLAND/ STEALTH-9799 + Poncho 250	99	.	185	56	17	3	95
EPLEY/ E1265RR + Not reported	100	.	185	56	18	5	95
G2 GENET./ 5H-501 RR/HX + Poncho 250	100	.	184	56	20	1	93
NUTECH/ 3P-302 RR/YGPL + Cruiser 250	100	.	179	57	22	7	96
DEKALB/ DKC43-27(VT3) + Poncho 250	93	.	177	56	15	1	96
WENSMAN/ W7273VT3 + Poncho 250	98	.	177	54	16	5	99
G2 GENET./ 5H-702 RR/HX + Poncho 250	100	.	176	56	19	13	94
GCS/ 96-08VT3 + Poncho 250	95	.	176	55	15	4	100
DEKALB/ DKC50-44(VT3) + Poncho 250	100	.	175	56	19	1	94
FIELDERS CHOICE/ NG6520 + Poncho 250	98	.	175	54	15	8	98
NUTECH/ 3C-300 RR/YGCB + Poncho 250	100	.	174	55	18	6	95
FARM ADVANTAGE/ 87A99GL + Cruiser 250	99	.	174	56	16	4	95
NC+/ 1775 VT3 + Cruiser 250	97	.	173	56	16	4	99
NC+/ 1557 VT3 + Cruiser 250	95	.	172	58	16	3	98
NUTECH/ 3T-096A VT3 + Cruiser 250	95	.	171	58	18	3	85
RENK/ RK575VT3 + Poncho 250	97	.	171	55	16	0	95
NC+/ 1981 R + Cruiser 250	99	.	170	54	17	4	99
KRUGER/ 6298VT3 + Cruiser 250	98	.	169	58	17	3	99
KRUGER/ 6097VT3 + Cruiser 250	97	.	168	54	16	11	100
DEKALB/ DKC48-37(VT3) + Poncho 250	98	.	167	57	16	2	99
GCS/ 94-04VT3 + Poncho 250	94	.	165	57	16	9	98
AGSOURCE/ 5N-898GTCBLLRW + Poncho 250	98	.	165	56	16	3	95
NUTECH/ 3T-098 VT3 + Cruiser 250	98	.	164	56	16	2	91
KALTENBERG/ K4433VT3 + Poncho 250	100	.	163	55	17	2	97
KALTENBERG/ 4486RRLLBTHX + Poncho 250	100	.	163	56	18	11	94
NUTECH/ 3T-500 VT3 + Poncho 250	100	.	160	57	16	2	97
KRUGER/ 6400TS + Cruiser 250	100	.	159	58	16	8	100
KALTENBERG/ K4263VT3 + Poncho 250	98	.	156	58	16	10	93
KRUGER/ 6697VT3 + Cruiser 250	96	.	155	56	15	4	99
AGSOURCE/ 5H-599 RR/HX + Poncho 250	99	.	153	54	17	2	99
KRUGER/ 3300RR/HX + Cruiser 250	100	.	147	56	18	13	95
AGSOURCE/ 5H-597 RR/HX + Poncho 250	95	.	146	56	18	18	99
Trial avg.:	98	185	172	56	17	5	97
High avg.:	100	191	196	59	22	18	100
Low avg.:	93	175	146	54	15	0	85
[5] LSD(0.05):		16	14	2	2	6	4
[6] Min.TPG value:		176	183	58	.	.	96
[7] Max.TPG value:		.	.	.	16	6	.
[8] Coef. of var.:	2	6	5	2	6	74	2
No. entries:	45	11	45	45	45	45	45

[1] Entries are listed by Brand/Hybrid and sorted by 2-yr then by 2008 yield average.
Note that additional table footnotes are explained in table D.

Table 4b. Brookings late maturity glyphosate-resistant corn hybrid test results, 2007-08, Plant Science Farm. Seeded May 7, 2008 at 28,750 seeds per acre.

Brand/Hybrid + Seed Treatment [1]	Rel. Mat. [2]	Yield Averages		Other 2008 Averages			
		2-Yr bu/a	2008 bu/a	Bu.Wt. lb	Grain Moisture Pctg	Lodging Pctg [3]	Final Stand Pctg [4]
AGSOURCE/ 3C-007RR/YGCB + Cruiser 250	105	194	179	57	23	11	94
NUTECH/ 3C-907 RR/YGCB + Poncho 250	107	192	171	55	22	5	95
SEEDS 2000/ 3122RR/BT + Poncho 250	102	188	172	55	18	5	96
WENSMAN/ W7309VT3 + Poncho 250	101	183	165	57	17	10	100
KRUGER/ 6503TS + Cruiser 250	105	181	166	57	18	7	98
NUTECH/ 3C-006 RR/YGCB + Cruiser 250	105	180	144	54	17	14	86
KRUGER/ 6006VT3 + Cruiser 250	106	179	147	56	16	11	99
EPLEY/ E1525RR + Not reported	105	174	155	57	18	8	98
G2 GENET./ 5H-506A RR/HX + Poncho 250	105	.	193	56	22	7	96
G2 GENET./ 5H-506 RR/HX + Poncho 250	105	.	193	57	21	6	98
GCS/ 102-04VT3 + Poncho 250	102	.	190	58	19	7	99
PIONEER/ 36V53 + Poncho 1250	102	.	189	55	20	3	97
PIONEER/ 35F40 + Poncho 1250	105	.	188	57	22	11	99
G2 GENET./ 5H-906 RR/HX + Poncho 250	105	.	185	59	22	4	94
KRUGER/ 6401VT3 + Cruiser 250	101	.	184	56	19	6	99
NUTECH/ 3W-403 RR/YGRW + Poncho 250	103	.	182	56	19	5	89
DEKALB/ DKC52-59(VT3) + Poncho 250	102	.	180	56	16	2	99
WENSMAN/ W7360BTRWRR + Poncho 250	103	.	180	57	20	9	95
DAIRYLAND/ STEALTH-9003 + Poncho 250	103	.	179	55	18	4	94
RENK/ RK670VT3 + Poncho 250	102	.	179	55	17	3	100
KRUGER/ 6007TS + Cruiser 250	107	.	177	55	20	9	97
DEKALB/ DKC53-41(VT3) + Poncho 250	103	.	176	56	17	9	97
NC+/ 2174 VT3 + Cruiser 250	101	.	176	58	20	12	96
FIELDERS CHOICE/ NG6583 + Poncho 250	102	.	175	57	20	8	84
FARM ADVANTAGE/ 9803GL + Cruiser 250	103	.	172	55	18	3	95
KRUGER/ 6606VT3 + Cruiser 250	106	.	172	57	18	9	100
AGSOURCE/ 3C-505RR/YGCB + Poncho 250	105	.	171	58	20	8	97
DEKALB/ DKC53-17(VT3) + Poncho 250	103	.	170	57	16	3	100
KRUGER/ 6102VT3 + Cruiser 250	102	.	169	57	16	9	97
DEKALB/ DKC55-24(VT3) + Poncho 250	105	.	168	56	17	4	93
RENK/ RK760RRYGCB + Poncho 250	106	.	168	58	20	8	99
EPLEY/ E1475RR + Not reported	104	.	168	54	16	2	98
NUTECH/ 3C-408 RR/YGCB + Poncho 250	108	.	164	56	22	11	96
HOEGEMEYER/ 8192HXRR + Poncho 250	101	.	164	58	20	22	93
G2 GENET./ 5H-508 RR/HX + Poncho 250	108	.	162	57	23	6	91
DAIRYLAND/ STEALTH-9902 + Poncho 250	102	.	158	56	17	7	95
AGSOURCE/ 3T-603 VT3 + Poncho 250	104	.	157	55	15	4	100
AGSOURCE/ 3T-303 VT3 + Cruiser 250	103	.	156	56	18	20	99
NUTECH/ 3T-808 VT3 + Cruiser 250	108	.	153	55	21	28	100
AGSOURCE/ 3T-303A VT3 + Poncho 250	104	.	153	55	18	10	97
Trial avg.:	104	184	171	56	19	8	96
High avg.:	108	194	193	59	23	28	100
Low avg.:	101	174	144	54	15	2	84
[5] LSD(0.05):		NS	15	2	3	7	5
[6] Min.TPG value:		174	179	58	.	.	96
[7] Max.TPG value:		.	.	.	17	7	.
[8] Coef. of var.:		5	5	2	6	53	3
No. entries:	40	8	40	40	40	40	40

[1] Entries are listed by Brand/Hybrid and sorted by 2-yr then by 2008 yield average.
Note that additional table footnotes are explained in table D.

Table 5a. Geddes early maturity glyphosate-resistant corn hybrid test results, 2007-08, Curtis Sybesma Farm. Seeded May 16, 2008 at 28,750 seeds per acre.

Brand/Hybrid + Seed Treatment [1]	Rel. Mat. [2]	Yield Averages		Other 2008 Averages			
		2-Yr bu/a	2008 bu/a	Bu.Wt. lb	Grain Moisture Pctg	Lodging Pctg [3]	Final Stand Pctg [4]
EPLEY/ E1525RR + Not reported	105	181	177	59	18	8	96
KRUGER/ 6503TS + Cruiser 250	105	175	174	60	17	6	83
EPLEY/ E1225RR + Not reported	98	174	162	59	18	10	85
EPLEY/ E1165RR + Not reported	95	172	170	57	16	4	92
DEKALB/ DKC50-44(VT3) + Poncho 250	100	.	200	59	18	6	94
DEKALB/ DKC52-59(VT3) + Poncho 250	102	.	197	57	18	1	99
PIONEER/ 36V53 + Poncho 1250	102	.	196	57	18	2	94
G2 GENET./ 5H-506 RR/HX + Poncho 250	105	.	196	59	20	3	89
WENSMAN/ W7433VT3 + Poncho 250	105	.	196	57	20	4	91
DEKALB/ DKC55-24(VT3) + Poncho 250	105	.	194	59	17	13	95
HOEGEMEYER/ EXP 800 + Poncho 250	105	.	194	60	21	6	91
G2 GENET./ 5H-506A RR/HX + Poncho 250	105	.	193	58	20	2	94
NUTECH/ 3C-104 RR/YGCB + Poncho 250	104	.	192	57	20	4	97
DEKALB/ DKC53-41(VT3) + Poncho 250	103	.	191	59	16	18	92
NC+/ 3613 VT3 + Cruiser 250	105	.	191	60	19	19	98
KRUGER/ 6401VT3 + Cruiser 250	101	.	190	58	19	7	96
FONTANELLE/ 5T128 + Poncho 250	100	.	190	60	17	0	95
NC+/ 1981 R + Cruiser 250	99	.	190	59	17	3	95
AGSOURCE/ 3T-303A VT3 + Poncho 250	104	.	190	58	18	3	92
AGSOURCE/ 3C-104RR/YGCB + Poncho 250	104	.	189	57	19	12	91
KALTENBERG/ K5163VT3 + Poncho 250	103	.	188	59	17	4	93
AGSOURCE/ 3C-007RR/YGCB + Cruiser 250	105	.	188	58	22	0	88
DAIRYLAND/ STEALTH-9005 + Poncho 250	105	.	187	59	17	3	96
DEKALB/ DKC53-17(VT3) + Poncho 250	103	.	186	61	18	1	96
NC+/ 1775 VT3 + Cruiser 250	97	.	186	60	17	2	86
WENSMAN/ W7360BTRWRR + Poncho 250	103	.	186	60	19	4	90
FONTANELLE/ 6T226 + Poncho 250	104	.	185	60	19	5	85
NUTECH/ 3T-500 VT3 + Poncho 250	100	.	184	59	18	1	91
G2 GENET./ 5H-906 RR/HX + Poncho 250	105	.	184	60	21	4	91
EPLEY/ E1265RR + Not reported	100	.	184	59	17	4	93
AGSOURCE/ 3C-505RR/YGCB + Poncho 250	105	.	184	59	20	2	89
PIONEER/ 35F40 + Poncho 1250	105	.	183	60	19	9	92
NUTECH/ 3C-300 RR/YGCB + Poncho 250	100	.	183	60	17	6	93
DEKALB/ DKC48-37(VT3) + Poncho 250	98	.	182	60	17	3	91
FARM ADVANTAGE/ 9803GL + Cruiser 250	103	.	182	58	18	2	86
KRUGER/ 6102VT3 + Cruiser 250	102	.	182	58	17	3	96
NUTECH/ 3W-403 RR/YGRW + Poncho 250	103	.	180	59	17	4	87
KALTENBERG/ 5232RRLLBTHX + Poncho 250	103	.	180	59	19	3	87
NUTECH/ 3P-302 RR/YGPL + Cruiser 250	100	.	179	59	20	6	92
KRUGER/ 6400TS + Cruiser 250	100	.	179	60	16	3	91
HEINE/ H742RRCRW + Poncho 250	105	.	179	59	18	2	89
G2 GENET./ 5H-702 RR/HX + Poncho 250	100	.	177	59	19	8	92
AGSOURCE/ 3T-603 VT3 + Poncho 250	104	.	177	59	17	3	87
EPLEY/ E1254 VT3 + Not reported	95	.	174	59	18	8	94
HEINE/ H711RR + Poncho 250	100	.	173	58	17	5	93
EPLEY/ E1475RR + Not reported	104	.	171	57	16	2	92
HEINE/ H633RR + Poncho 250	97	.	171	59	18	6	90
FONTANELLE/ 5T750 + Poncho 250	100	.	170	60	17	3	80
DEKALB/ DKC43-27(VT3) + Poncho 250	93	.	169	58	16	0	87
HEINE/ H724VT3 + Poncho 250	102	.	164	58	18	6	89
HOEGEMEYER/ 8192HXRR + Poncho 250	101	.	151	58	20	4	67
Trial avg.:	102	176	183	59	18	5	91
High avg.:	105	181	200	61	22	19	99
Low avg.:	93	172	151	57	16	0	67
[5] LSD(0.05):		NS	16	2	1	7	9
[6] Min.TPG value:		172	185	60	.	.	91
[7] Max.TPG value:		.	.	.	16	7	.
[8] Coef. of var.:		7	5	2	4	92	6
No. entries:	51	4	51	51	51	51	51

[1] Entries are listed by Brand/Hybrid and sorted by 2-yr then by 2008 yield average.
Note that additional table footnotes are explained in table D.

Table 5b. Geddes late maturity glyphosate-resistant corn hybrid test results, 2007-08, Curtis Sybesma Farm. Seeded May 16, 2008 at 28,750 seeds per acre.

Brand/Hybrid + Seed Treatment [1]	Rel. Mat. [2]	Yield Averages		Other 2008 Averages			
		2-Yr bu/a	2008 bu/a	Bu.Wt. lb	Grain Moisture Pctg	Lodging Pctg [3]	Final Stand Pctg [4]
DEKALB/ DKC58-16(VT3) + Poncho 250	108	208	201	57	20	8	95
KRUGER/ 6208VT3 + Cruiser 250	108	208	200	57	22	1	95
DEKALB/ DKC61-69(VT3) + Poncho 250	111	199	200	56	22	3	92
FIELDERS CHOICE/ NG6686 + Poncho 250	107	194	190	59	19	18	91
KRUGER/ 6006VT3 + Cruiser 250	106	193	194	60	18	15	97
KRUGER/ 6210TS + Cruiser 250	110	188	199	58	23	7	93
KRUGER/ 6606VT3 + Cruiser 250	106	.	210	58	20	3	94
KRUGER/ 6007TS + Cruiser 250	107	.	206	57	20	2	100
NC+/ 4252 VT3 + Cruiser 250	107	.	205	57	23	4	95
NC+/ 4022 VT3 + Cruiser 250	109	.	203	59	20	7	95
WENSMAN/ W7455VT3 + Poncho 250	107	.	201	55	22	2	86
RENK/ RK760RRYGCB + Poncho 250	106	.	196	60	20	8	97
WENSMAN/ W7469VT3 + Poncho 250	109	.	196	55	21	9	95
NUTECH/ 3T-809 VT3 + Poncho 250	109	.	192	56	19	17	90
G2 GENET./ 5H-508 RR/HX + Poncho 250	108	.	192	60	21	1	86
AGSOURCE/ 3T-710 VT3 + Poncho 250	110	.	192	57	20	8	92
RENK/ RK822VT3 + Poncho 250	110	.	191	60	21	6	97
NUTECH/ 3C-408 RR/YGCB + Poncho 250	108	.	188	59	21	2	86
AGSOURCE/ 3T-409 VT3 + Cruiser 250	109	.	186	58	20	3	88
RENK/ RK770VT3 + Poncho 250	107	.	184	57	20	1	86
HEINE/ H817VT3 + Poncho 250	109	.	184	56	23	10	89
HEINE/ H815VT3 + Poncho 250	109	.	184	58	21	1	89
RENK/ RK698RRYGRW + Poncho 250	107	.	183	58	18	2	86
AGSOURCE/ 3T-908 VT3 + Poncho 250	108	.	183	57	21	1	86
DAIRYLAND/ STEALTH-6208 + Poncho 250	108	.	182	57	19	15	94
NUTECH/ 3T-109 VT3 + Poncho 250	109	.	182	56	22	15	93
NUTECH/ 3P-708 RR/YGPL + Poncho 250	108	.	180	58	21	3	93
AGSOURCE/ 3T-310 VT3 + Cruiser 250	110	.	179	57	21	18	94
FARM ADVANTAGE/ 87A10GL + Cruiser 250	110	.	177	54	21	7	84
KRUGER/ 6111TS + Cruiser 250	110	.	177	57	22	10	82
NUTECH/ 3T-808 VT3 + Cruiser 250	108	.	171	58	21	16	95
HEINE/ H816VT3 + Poncho 250	109	.	170	58	19	31	97
Trial avg.:	108	198	190	57	21	8	92
High avg.:	111	208	210	60	23	31	100
Low avg.:	106	188	170	54	18	1	82
[5] LSD(0.05):		NS	15	1	2	10	7
[6] Min.TPG value:		188	196	60	.	.	92
[7] Max.TPG value:		.	.	.	19	9	.
[8] Coef. of var.:		6	5	1	5	78	5
No. entries:	32	6	32	32	32	32	32

[1] Entries are listed by Brand/Hybrid and sorted by 2-yr then by 2008 yield average.
Note that additional table footnotes are explained in table D.

Table 6a. Beresford early maturity glyphosate-resistant corn hybrid test results, 2007-08, Southeast Experiment Station. Seeded May 19, 2008 at 28,750 seeds per acre.

Brand/Hybrid + Seed Treatment [1]	Rel. Mat. [2]	Yield Averages		Other 2008 Averages			
		2-Yr bu/a	2008 bu/a	Bu.Wt. lb	Grain Moisture Pctg	Lodging Pctg [3]	Final Stand Pctg [4]
DEKALB/ DKC58-16(VT3) + Poncho 250	108	197	199	55	20	3	82
FIELDERS CHOICE/ NG6686 + Poncho 250	107	197	188	56	22	5	76
KRUGER/ 6208VT3 + Cruiser 250	108	196	195	54	22	10	85
KRUGER/ 6210TS + Cruiser 250	110	194	210	54	24	1	78
NUTECH/ 3T-808A VT3 + Cruiser 250	108	191	183	55	20	21	78
FONTANELLE/ 6T226 + Poncho 250	104	180	174	57	22	4	71
GCS/ 107-01CBRCRW + Poncho 250	107	175	169	54	19	2	64
NC+/ 4582 VT3 + Cruiser 250	110	.	233	54	25	8	86
FONTANELLE/ 7T231 + Poncho 250	110	.	226	53	22	12	96
WENSMAN/ W7455VT3 + Poncho 250	107	.	221	55	21	1	90
KALTENBERG/ K6663VT3 + Poncho 250	110	.	218	55	23	3	81
HOEGEMEYER/ 5353VTRR + Poncho 250	109	.	218	55	22	7	86
NC+/ 4252 VT3 + Cruiser 250	107	.	217	55	22	3	83
KRUGER/ 6111TS + Cruiser 250	110	.	215	54	24	17	87
AGSOURCE/ 3T-710 VT3 + Poncho 250	110	.	212	56	24	2	93
FOUR STAR/ 6844VT3 + Cruiser 250	108	.	211	55	24	5	82
G2 GENET./ 5H-506A RR/HX + Poncho 250	105	.	209	56	20	3	86
WENSMAN/ W7469VT3 + Poncho 250	109	.	209	53	23	1	78
DEKALB/ DKC52-59(VT3) + Poncho 250	102	.	208	56	16	3	87
AGSOURCE/ 3T-311 VT3 + Poncho 250	110	.	208	54	24	5	84
FOUR STAR/ 6863VT3 + Cruiser 250	110	.	205	55	21	15	92
NUTECH/ 3P-708 RR/YGPL + Poncho 250	108	.	205	55	22	3	89
HEINE/ H817VT3 + Poncho 250	109	.	205	55	22	7	80
DAIRYLAND/ STEALTH-9006 + Poncho 250	106	.	204	56	19	9	94
KALTENBERG/ 6355RRLLBTHX + Poncho 250	109	.	203	55	22	2	91
KRUGER/ 6007TS + Cruiser 250	107	.	203	54	19	2	89
FOUR STAR/ 8843HXTRRLL + Cruiser 250	108	.	201	57	21	2	89
DAIRYLAND/ STEALTH-9410 + Poncho 250	110	.	201	55	23	1	82
G2 GENET./ 5H-506 RR/HX + Poncho 250	105	.	201	55	23	2	70
FOUR STAR/ 6861VT3 + Cruiser 250	110	.	200	54	21	4	83
FARM ADVANTAGE/ 87A10GL + Cruiser 250	110	.	200	54	22	8	83
FONTANELLE/ 7N771 + Poncho 250	110	.	200	56	23	4	94
DAIRYLAND/ STEALTH-6208 + Poncho 250	108	.	199	55	19	15	89
RENK/ RK822VT3 + Poncho 250	110	.	199	58	21	3	88
HEINE/ H835VT3 + Poncho 250	110	.	199	55	22	9	89
PIONEER/ 35F40 + Poncho 1250	105	.	198	57	21	5	85
AGSOURCE/ 3T-409 VT3 + Cruiser 250	109	.	198	56	23	2	83
NUTECH/ 3T-809 VT3 + Poncho 250	109	.	197	53	21	13	86
G2 GENET./ 5H-508 RR/HX + Poncho 250	108	.	197	59	22	2	84
DEKALB/ DKC53-41(VT3) + Poncho 250	103	.	196	56	16	5	89
NC+/ 4022 VT3 + Cruiser 250	109	.	195	55	22	7	85
HEINE/ H815VT3 + Poncho 250	109	.	195	56	23	3	83
FOUR STAR/ 6862VT3 + Cruiser 250	108	.	191	54	21	6	91
NUTECH/ 3T-109 VT3 + Poncho 250	109	.	191	55	20	5	79
HEINE/ H816VT3 + Poncho 250	109	.	190	56	19	26	93
GCS/ 102-04VT3 + Poncho 250	102	.	190	57	19	2	75
DEKALB/ DKC55-24(VT3) + Poncho 250	105	.	189	57	18	10	81
FARM ADVANTAGE/ 9803GL + Cruiser 250	103	.	189	55	16	3	90
PIONEER/ 36V53 + Poncho 1250	102	.	187	56	18	0	69
RENK/ RK698RRYGRW + Poncho 250	107	.	187	56	18	1	72

Table 6a. Beresford early maturity glyphosate-resistant corn hybrid test results (continued).

Brand/Hybrid + Seed Treatment [1]	Rel. Mat. [2]	Yield Averages		Other 2008 Averages			
		2-Yr bu/a	2008 bu/a	Bu.Wt. lb	Grain Moisture Pctg	Lodging Pctg [3]	Final Stand Pctg [4]
AGSOURCE/ 3T-110 VT3 + Poncho 250	110	.	187	54	21	25	86
RENK/ RK770VT3 + Poncho 250	107	.	186	55	23	2	72
NUTECH/ 3C-408 RR/YGCB + Poncho 250	108	.	181	56	22	4	69
DEKALB/ DKC53-17(VT3) + Poncho 250	103	.	180	57	19	4	75
NC+/ 3613 VT3 + Cruiser 250	105	.	176	57	21	5	73
G2 GENET./ 5H-906 RR/HX + Poncho 250	105	.	175	58	21	2	79
FOUR STAR/ 9956VT3 + Cruiser 250	109	.	173	56	23	3	70
G2 GENET./ 5H-911 RR/HX + Poncho 250	110	.	173	57	21	10	85
HEINE/ H747RRYGCB + Poncho 250	104	.	172	56	17	2	67
HEINE/ H742RRCRW + Poncho 250	105	.	169	56	18	0	67
AGSOURCE/ 3T-310 VT3 + Cruiser 250	110	.	164	55	20	12	89
Trial avg.:		190	196	55	21	6	83
High avg.:		197	233	59	25	26	96
Low avg.:	108	175	164	53	16	0	64
[5] LSD(0.05):	110	NS	24	3	4	9	14
[6] Min.TPG value:	102	175	210	57	.	.	83
[7] Max.TPG value:	61	.	.	.	19	9	.
[8] Coef. of var.:		8	7	2	8	98	10
No. entries:		7	61	61	61	61	61

[1] Entries are listed by Brand/Hybrid and sorted by 2-yr then by 2008 yield average.
Note that additional table footnotes are explained in table D.

Table 6b. Beresford late maturity glyphosate-resistant corn hybrid test results, 2007-08, Southeast Experiment Station. Seeded May 19, 2008 at 28,750 seeds per acre.

Brand/Hybrid + Seed Treatment [1]	Rel. Mat. [2]	Yield Averages		Other 2008 Averages			
		2-Yr bu/a	2008 bu/a	Bu.Wt. lb	Grain Moisture Pctg	Lodging Pctg [3]	Final Stand Pctg [4]
DEKALB/ DKC61-69(VT3) + Poncho 250	111	217	214	54	22	8	94
DEKALB/ DKC63-42(VT3) + Poncho 250	113	202	202	54	24	10	94
KRUGER/ 6015VT3 + Cruiser 250	115	192	209	54	24	6	95
KRUGER/ 6111TS + Cruiser 250	110	185	178	54	19	2	98
KRUGER/ 6114VT3 + Cruiser 250	114	.	217	55	24	7	99
KRUGER/ 6411VT3 + Cruiser 250	111	.	215	53	22	8	98
NUTECH/ 3T-912 VT3 + Poncho 250	112	.	213	55	23	3	93
KRUGER/ 2115RR/YGCB + Cruiser 250	115	.	212	55	24	4	97
KRUGER/ 6213VT3 + Cruiser 250	113	.	208	52	25	8	95
KRUGER/ 9414RR/HXT + Cruiser 250	114	.	208	55	23	5	99
WENSMAN/ W7562VT3 + Poncho 250	111	.	208	52	23	6	95
KRUGER/ 2208RR/YGCB + Cruiser 250	111	.	202	55	20	7	98
G2 GENET./ 3A-513 RR + Poncho 250	113	.	201	55	20	8	92
NUTECH/ 3T-012 VT3 + Poncho 250	112	.	198	54	24	5	95
NC+/ 5403 VT3 + Cruiser 250	113	.	189	56	23	5	94
KRUGER/ 6212TS + Cruiser 250	112	.	179	54	24	5	91
NUTECH/ 3T-213 VT3 + Cruiser 250	113	.	170	54	21	8	95
NUTECH/ 5H-512 RR/HXT + Poncho 250	112	.	152	52	22	25	94
Trial avg.:	113	199	199	54	23	7	95
High avg.:	115	217	217	56	25	25	99
Low avg.:	110	185	152	52	19	2	91
[5] LSD(0.05):		NS	26	2	2	7	NS
[6] Min.TPG value:		185	192	55	.	.	91
[7] Max.TPG value:		.	.	.	20	8	.
[8] Coef. of var.:		9	8	2	5	58	4
No. entries:	18	4	18	18	18	18	18

[1] Entries are listed by Brand/Hybrid and sorted by 2-yr then by 2008 yield average.
Note that additional table footnotes are explained in table D.

Table 6c. Beresford non-glyphosate-resistant corn hybrid combined early and late maturity test, 2007-08. Southeast Experiment Station, seeded May 19, 2008 at 28,750 seeds per acre.

Brand/Hybrid + Seed Treatment [1]	Rel. Mat. [2]	Yield Averages		Other 2008 Averages			
		2-Yr bu/a	2008 bu/a	Bu.Wt. lb	Grain Moisture Pctg	Lodging Pctg [3]	Final Stand Pctg [4]
HOEGEMEYER/ HBT651 + Poncho 250	109	197	183	56	17	7	97
HEINE/ H818YGCB + Poncho 250	109	192	174	56	16	7	99
KRUGER/ 8616HX + Poncho 250	110	.	204	55	23	6	100
KRUGER/ 8112HX + Poncho 250	110	.	189	56	20	6	100
HEINE/ H758YGCB + Poncho 250	106	.	185	56	20	7	92
RENK/ RK692CBLLRW + Poncho 250	105	.	179	58	15	8	95
KRUGER/ 8414HX + Poncho 250	114	.	169	56	18	7	100
KRUGER/ 8106HX + Poncho 250	106	.	164	56	16	7	100
Trial avg.:	109	195	181	56	18	7	98
High avg.:	114	197	204	58	23	8	100
Low avg.:	105	192	164	55	15	6	92
[5] LSD(.05):		NS	22	1	3	NS	4
[6] Min.TPG value:		192	183	58	.	.	97
[7] Max.TPG value:		.	.	.	17	8	.
[8] Coef. of var.:		7	7	1	8	32	2
No. entries:	8	2	8	8	8	8	8

[1] Entries are listed by Brand/Hybrid and sorted by 2-yr then by 2008 yield average.
Note that additional table footnotes are explained in table D.

Table E. Mailing addresses for seed entries in the 2008 corn hybrid trials by seed brand name.

Seed brand	Seed company mailing address
AgSource	AgSource Seeds Inc., 1800 L Ave., Nevada, IA 50201
Dairyland	Dairyland Seed, PO Box 958, West Bend, WI 53095
Dekalb	Monsanto, 102 W. Carol Ave., Cortland, IL 60112
Epley Bros.	Epley Bros. Hybrids Inc., PO Box 310, Shell Rock, IA 50670
Farm Advantage	Farm Advantage, 1275 Hwy 69, Belmond, IA 50421
Fielder's Choice	Grow Direct, 306 N. Main Street, Monticello, IN 47960
Fontanelle	Fontanelle Hybrids, 919 West 23rd Street, Freemont, NE 68025
Four Star	Four Star Seed Co., 2929-335th Street, Logan, IA 51546
Gold Country	Gold Country Seed Inc., PO Box 604, Hutchinson, MN 55350
G-2 Genetics	G-2 Genetics, 415 S. Duff Avenue, Suite C, Ames, IA 50010
Heine	Heine Hybrid Seed Corn, 1020 E. 320th St., Vermillion, SD 57069
Hoegemeyer	Hoegemeyer Hybrids, 1755 Hoegemeyer Road, Hooper, NE 68031
Kaltenberg	Kaltenberg Seeds, 5506 State Road 19, Box 278, Waunakee, WI 53597
Kruger	Kruger Seed Co., Box A, Dike, IA 50624
NC+	719 E. 15th Avenue, Mitchell, SD 57301
NuTech	Nutech Seed, LLC, 415 S. Duff Avenue, Suite C, Ames, IA 50010
Pioneer	Pioneer Hi-Bred International, 151 Saint Andrews Court, Mankato, MN 6001
Rea	Rea Hybrids, 919 W. 23rd Street, Freemont, NE 68025
Renk	Renk Seed Co., 6809 Wilburn Rd., Sun Prairie, WI 53590
Seeds 2000	Seeds 2000, PO Box 200, Breckenridge, MN 56520
Wensman	Wensman Seed Co., 67784 330th Street, Watkins, MN 55389