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2009 Precision Planted Corn Performance Trials

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Recommended Citation

Hall, R. G.; Kirby, K. K.; and Hall, J. A., "2009 Precision Planted Corn Performance Trials" (2009). *Agricultural Experiment Station Circulars*. Paper 308.

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C 253
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Annually

CORN

2009 Precision Planted Performance Trials



South Dakota State University • Cooperative Extension Service • U.S. Department of Agriculture

The crop performance trials are available at <http://plantsci.sdstate.edu/varietytrials/vartrial.html>

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**C253—Precision Planted Corn 2009 Crop Performance Results
is available electronically on the internet
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2100 copies printed by CES at a cost of \$1.13 each. C253. December 2009. AX062

2009 Precision Planted Corn Performance Trials

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This publication reports the results of the 2009 South Dakota corn hybrid performance trials for glyphosate-resistant hybrids. Information includes both the most recent 2-year and 1-year grain yields in bushels per acre and 1-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 A. The participation and efforts of our cooperators — Allen and Inel Ryckman at Warner, Al Heuer at South Shore (Northeast Research Farm), E. Weerts Farm Inc. 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.

Seasonal Temperatures and Precipitation

Seasonal rainfall and its distribution and average temperatures at weather reporting stations nearest each test trial are reported in table B for the period April 1 to October 31. Seasonal precipitation sums were above average at Aberdeen (3.15"), South Shore (2.95"), and Huron (2.25"); near average at Centerville (0.65"); and below average at Brookings (-1.38") and White Lake (-1.37"). The greatest moisture deficits tended to occur at most locations in April and May. In some areas of the state, such early season moisture deficits may have resulted in the delayed emergence of some crops seeded at their normal seeding dates.

Seasonal average temperatures from April to October were at or near normal at Brookings and Centerville. Seasonal temperatures were below average at Aberdeen (-2.37°F), South Shore (-3.07°F), Huron (-2.00°F) and White Lake (-3.13°F). The monthly departures from average temperatures in June, July, and August varied from near normal at Brookings and Centerville to nearly 7°F below average at South Shore and White Lake in July.

Seasonal sums of accumulated growing degree days (GDDs) varied from a low of 2,010 at South Shore to a high of 2,630 at Centerville for the April–October period. The seasonal accumulated GDDs departures from average were below average for all locations and varied from a low of -279 at Huron to a high of -588 GDDs at White Lake. If only the May to September period is considered, then the seasonal GDDs departure from average would be -224 at Aberdeen, -291 at South Shore, -162 at Huron, -171 at Brookings, -306 at Centerville, and -415 at White Lake. If one calculates the average loss in GDDs per day from May to September, the average losses were -1.5 at Aberdeen, -1.9 at South Shore, -1.1 at Huron and Brookings, -2.0 at Centerville, and -2.7 at White Lake.

In summary, the growing season precipitation sums for corn varied from -1.3" below to over 3" above normal across the 6 locations tested, with the greatest precipitation generally occurring in October. In addition, the greatest monthly departures from average temperature occurred in June, July, August, and October. Generally, the GDD loss per day during the growing season was low at Huron and Brookings; slightly higher at Aberdeen, South Shore, and Centerville; and the highest at White Lake.

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 Bancroft 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 content 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 2009 is presented in table E.**

Experimental Procedures

Entries were seeded in 3 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 2009, 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, 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. The weed control herbicides applied at recommended label rates are indicated in table A.

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 2009 and for the past 2 years.

Yield. Yield values are an average of 3 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 2009, the coefficient of variation (CV) values (a measure of experimental error) for yield was relatively low, ranging from 3 to 8% over the 6 test locations. Experimental error may be the result of several factors, including test methods, or factors such as moisture, temperature, or 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. This year, good seasonal moisture distribution and cooler than normal mid-summer temperatures were the 2 factors that were instrumental in producing good yields but very low bushel weights and high kernel moisture levels at harvest.

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-2100 to verify it was within limits. In 2009, grain moisture values were higher than normal as the result of lower than normal heat unit accumulation (below average temperatures) that slowed the progress of the crop during grain filling that in turn contributed to both high kernel moisture and low bushel weight values.

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 2 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 2-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 (2-yr or 2009 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 was 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. When evaluating 2-yr averages, do not forget to note how the entries tested for 2 years performed in 2009. **Entries tested for 2 years may also have a yield value that qualifies for the TPG in the 2009 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 and lodging percentage values that are equal to or less than the maximum reported TPG value for grain moisture or lodging percentage. 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 and lodging percentages 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 3% (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.

The performance trial results for one year (2009) and for two years (2008-09) follow:

PERFORMANCE TRIAL RESULTS BY LOCATIONS

Northern Locations

A brief discussion of the corn performance trial results at the various test trial locations for the past 2 years (2008–2009) and for the most recent year (2009) follow. In addition, note that all yield averages are reported as harvest yield adjusted to 15.5% grain moisture and a 56 pound bushel weight. Generally, Warner, Geddes, and Beresford exhibited the best yield and bushel weight averages, along with grain moisture levels of 17 to 27%. At South Shore, Bancroft, and Brookings the yield averages were surprisingly good, but the bushel weight averages were very low and varied from 47 to 50 pounds with high grain-moisture levels of 20 to 31%. At all locations, the coefficient of variation (a measure of experimental error) for yield was very low and only varied from 3 to 6% for 2009. The cooler than average temperatures this past summer had a significant influence that resulted in high yields but lower than average bushel weights and higher than average moisture levels at harvest at most locations.

Warner:

Early – Glyphosate-resistant trial, Table 1a. The test trial yield averages were **210** bu/a for 2 years and **230** bu/a for 2009. Hybrids that yielded **206** bu/a or more for 2 years and **234** bu/a or more for 2009 qualified for the TPG for yield. Hybrids had to differ in yield by **13** bu/a in 2009 to be significantly different, while the yield differences for 2 years were not significant (NS). Because there were no differences in yield average among the hybrids tested 2 years, all entries tested qualified for the TPG. In 2009, bushel weights averaged **52** lbs, grain moisture averaged **21%**, lodging percentage averaged **zero percent**, and final stand percentage averaged **94%**. In order for hybrids to be in the TPG for these factors, the hybrid had to average **53** lbs. or more in bushel weight, **19%** or less in grain moisture, **1%** or less in lodging percentage, and **94%** or more for final stand percentage.

Late – Glyphosate-resistant trial, Table 1b. The test trial yield averages were **220** bu/a for 2 years and **231** bu/a for 2009. Hybrids that yielded **210** bu/a or more for 2 years qualified for the TPG for yield. Because there were no differences in yield average among the hybrids tested two years, all entries tested qualified for the TPG. Hybrids had to differ in yield by **12** bu/a in 2009 to be significantly different. In 2009, bushel weights averaged **52** lbs, grain moisture averaged **23%**, lodging percentage averaged **zero percent**, and final stand percentage averaged **94%**. In order for hybrids to be in the TPG for these factors, the hybrid had to aver-

age **53** lbs. or more in bushel weight, **19%** or less in grain moisture, **1%** or less in lodging percentage, and **95%** or more for final stand percentage.

South Shore:

Early – Glyphosate-resistant trial, Table 2a. The test trial yield averages were **187** bu/a for 2 years and **200** bu/a for 2009. The yield differences among those hybrids tested for 2 years were not significant (NS). Hybrids that yielded **205** bu/a or more for 2009 qualified for the TPG for yield. Hybrids had to differ in yield by **11** bu/a in 2009 to be significantly different. In 2009, bushel weights averaged **50** lbs, grain moisture averaged **20%**, lodging averaged **zero percent**, and final stand percentage averaged **96%**. In order for hybrids to be in the TPG for these factors, the hybrid had to average **52** lbs. or more in bushel weight, **18%** or less in grain moisture, **1%** or less in lodging, and **95%** or more in final stand percentage.

Late – Glyphosate-resistant trial, Table 2b. The test trial yield averages were **185** bu/a for 2 years and **192** bu/a for 2009. Hybrids that yielded **171** bu/a or more for 2 years and **204** bu/a or more for 2009 qualified for the TPG for yield. Hybrids had to differ in yield by **28** bu/a for two years and **13** bu/a in 2009 to be significantly different. In 2009, bushel weights averaged **47** lbs, grain moisture averaged **26%**, lodging averaged **zero percent**, and final stand percentage averaged **93%**. In order for hybrids to be in the TPG for these factors, the hybrid had to average **49** lbs. or more in bushel weight, **22%** or less in grain moisture, and **1%** or less in lodging, and **93%** or higher in final stand percentage.

Central Locations

Bancroft:

Early – Glyphosate-resistant trial, Table 3a. The test trial yield averages were **189** bu/a for 2 years and **179** bu/a in 2009. Hybrids that yielded **179** bu/a or more for 2 years and **183** bu/a in 2009 qualified for the TPG for yield. Hybrids had to differ in yield by **20** bu/a for 2 years and **18** bu/a in 2009 to be significantly different. In 2009, bushel weights averaged **49** lbs, grain moisture averaged **24%**, lodging averaged **zero percent**, and percent stand averaged **90%**. In order for hybrids to be in the TPG for these factors, the hybrid had to average **51** lbs. or more in bushel weight, **20%** or less in grain moisture, **2%** or less in lodging percentage, and **91%** or more for final stand percentage.

Late – Glyphosate-resistant trial, Table 3b. The test trial

yield averages were **181** bu/a for 2 years and **161** bu/a in 2009. Hybrids that yielded **168** bu/a or more in 2009 qualified for the TPG for yield. Yield differences among hybrids were not significant for the 2-year period. In 2009, bushel weights averaged **48** lbs, grain moisture averaged **31%**, lodging percentage averaged **1%**, and the final stand percentage averaged **89%**. In order for hybrids to be in the TPG for these factors, the hybrid had to average **47** lbs. or more in bushel weight, **26%** or less in grain moisture, **4%** or less in lodging percentage, and **90%** or more for final stand percentage.

Brookings:

Early – Glyphosate-resistant trial, Table 4a. The test trial yield averages were **197** bu/a for 2 years and **219** bu/a for 2009. Hybrids that yielded **234** bu/a or more for 2009 qualified for the TPG for yield, while the yield differences for 2 years were not significant (NS). Hybrids had to differ in yield by **11** bu/a in 2009 to be significantly different. In 2009, bushel weights averaged **50** lbs, grain moisture averaged **23%**, lodging percentage averaged zero percent, and final stand percentage averaged **93%**. In order for hybrids to be in the TPG for these factors, the hybrid had to average **51** lbs. or more in bushel weight, **22%** or less in grain moisture, **2%** or less in lodging percentage, and **94%** or more for final stand percentage.

Late – Glyphosate-resistant trial, Table 4b. The test trial yield averages were **201** bu/a for 2 years and **223** bu/a for in 2009. There were no differences in yield average among the hybrids tested 2 years, so all hybrids tested qualified for the TPG. Hybrids that yielded **231** bu/a or more in 2009 qualified for the TPG for yield. Hybrids had to differ in yield by **12** bu/a in 2009 to be significantly different. In 2009, bushel weights averaged **48** lbs, grain moisture averaged **27%**, lodging averaged slightly more than zero percent, and percent stand averaged **93%**. In order for hybrids to be in the TPG for all performance factors, the hybrid had to average **51** lbs. or more in bushel weight, **24%** or less in grain moisture, **2%** or less in lodging percentage, and **95%** or more for final stand percentage.

Southern Locations

Geddes:

Early – Glyphosate-resistant trial, Table 5a. The test trial yield average was **211** bu/a for 2 years and **229** bu/a in 2009. The average yield differences among the hybrids tested 2 years were non-significant (NS), so all the hybrids tested qualified for the TPG. Hybrids that yielded **228** bu/a or more for 2009 qualified for

the TPG for yield. In 2009, bushel weights averaged **54** lbs, grain moisture averaged **17%**, lodging percentage averaged **zero percent**, and percent final stand averaged **93%**. In order for hybrids to be in the TPG for these factors, the hybrid had to average **55** lbs. or more in bushel weight, **16%** or less in grain moisture, **2%** or less in lodging, and **93%** or more for final stand.

Late – Glyphosate-resistant trial, Table 5b. The test trial yield average was **208** bu/a for 2 years and **216** bu/a for 2009. Yield differences among hybrids tested for 2 years were non-significant (NS); thus, all entries tested two years were in the TPG for yield. Hybrids that yielded **216** bu/a or more for 2009 qualified for the TPG for yield. Hybrids had to differ in yield by **18** bu/a in 2009 to be significantly different. In 2009, bushel weights averaged **52** lbs, grain moisture averaged **20%**, lodging percentage averaged **zero percent**, and percent final stand averaged **91%**. In order for hybrids to be in the TPG for these factors, the hybrid had to average **53** lbs. or more in bushel weight, **18%** or less in grain moisture, **2%** or less in lodging, and **95%** or more for final stand.

Beresford:

Early – Glyphosate-resistant trial, Table 6a. The test trial yield averages were **225** bu/a for 2 years and **236** bu/a in 2009. There were no differences in yield average among the hybrids tested 2 years, so all hybrids tested qualified for the TPG. Hybrids that yielded **239** bu/a or more in 2009 qualified for the TPG for yield. Hybrids had to differ in yield by **14** bu/a in 2009 to be significantly different. In 2009, bushel weights averaged **52** lbs, grain moisture averaged **24%**, lodging percentage averaged **1%**, and final stand percentage averaged **93%**. In order for hybrids to be in the TPG for these factors, the hybrid had to average **53** lbs. or more in bushel weight, **19%** or less in grain moisture, **2%** or less in lodging percentage, and **93%** or more for final stand percentage.

Late – Glyphosate-resistant, Table 6b. The test trial yield averages were **225** bu/a for 2 years and **232** bu/a in 2009. There were no differences in yield average among the hybrids tested 2 years, so all hybrids tested qualified for the TPG. Hybrids that yielded **235** bu/a or more in 2009 qualified for the TPG for yield. Hybrids had to differ in yield by **14** bu/a in 2009 to be significantly different. In 2009, bushel weights averaged **52** lbs, grain moisture averaged **27%**, lodging percentage averaged **1%**, and final stand percentage averaged **93%**. In order for hybrids to be in the TPG for these factors, the hybrid had to average **53** lbs. or more in bushel weight, **25%** or less in grain moisture, and **3%** or less in lodging percentage.

Table A. Description of 2009 corn hybrid trial locations- soil type, tillage method, prior crop, herbicides used, and seeding dates.

Location (County)	Soil Type	Tillage Method	Prior crop	Herbicides Applied at label rates		Fertility Yield Goal bu/a	Date Seeded
				Pre	Post		
Warner (Brown)	Harmony-Aberdeen silty clay loam, 0-2% slope	Conventional	Spring Wheat	Harness Xtra	Roundup once	200	May 7
South Shore (Codington)	Kranzburg silty clay loam, 3-6% slope	Conventional	Spring Wheat	Dual II Magnum	Roundup once	180	May 7
Bancroft (Kingsbury)	Houdek-Stickney-Tetonka loam, 0-3% slope	Conventional	Soybean	Fall Dual	Roundup once	180	May 18
Brookings (Brookings)	Barnes clay loam, 0-2% slope	Conventional	Soybean	Dual II Magnum	Roundup twice	200	May 6
Geddes (Chas. Mix)	Highmore-Walke silt loam, 0-2% slope	No-till	Winter Wheat		Roundup twice	200	May 14
Beresford (Clay)	Egan-Clarno-Trent silty clay loam, 0-2% slope	Conventional	Soybean		Roundup once	210	May 11

Plots were seeded at 28,750 seeds per acre.

Table B. Nearest weather station precipitation accumulation and average daily temperatures for each growing season month in 2009 and departures from average (DFA), SD Office of Climate and Weather.

Station (Test site)	Variable		Monthly data - April 1 to October 31							Sum or Average
			April	May	June	July	Aug	Sept	Oct	
Aberdeen Airport (Warner)	Precip.- inches 1971-2000 avg.	'09	1.90	0.47	3.87	2.46	2.83	4.41	4.00	19.94
		DFA*	0.07	-2.22	0.38	-0.46	0.41	2.60	2.37	3.15
	Avg.Temp. -°F 1971-2000 avg.	'09	43.0	56.4	64.0	68.0	66.5	63.5	41.4	57.54
		DFA	-2.4	-1.5	-2.8	-4.2	-4.0	3.7	-5.4	-2.37
	Accum. GDDs 1971-2000 avg.	'09	108	309	450	549	535	431	40	2422
DFA*		-3	-7	-48	-142	-109	82	-103	-330	
South Shore Northeast Research Farm	Precip.- inches 1971-2000 avg.	'09	1.09	1.73	2.70	3.97	3.60	1.62	6.53	21.24
		DFA	-0.87	-0.88	-1.31	1.06	0.75	-0.41	4.61	2.95
	Avg.Temp. -°F 1971-2000 avg.	'09	40.7	54.3	61.9	64.0	63.9	61.1	38.1	54.86
		DFA	-2.5	-1.7	-3.4	-6.4	-3.9	3.3	-6.9	-3.07
	Accum. GDDs 1971-2000 avg.	'09	89	250	391	439	449	377	15	2010
DFA*		16	-28	-65	-192	-109	71	-92	-399	
Huron (Bancroft)	Precip.- inches 1971-2000 avg.	'09	1.68	2.08	4.45	2.95	1.57	2.54	3.87	19.14
		DFA	-0.61	-0.92	1.17	0.09	-0.50	0.74	2.28	2.25
	Avg.Temp. -°F 1971-2000 avg.	'09	44.5	58.5	65.0	69.0	68.5	64.5	42.0	58.86
		DFA	-1.6	0.3	-2.9	-4.4	-3.0	3.5	-5.9	-2.00
	Accum. GDDs 1971-2000 avg.	'09	122	344	478	580	587	465	54	2630
DFA*		-2	26	-58	-139	-78	87	-115	-279	

Brookings (SDSU Plant Science Farm)	Precip.- inches 1971-2000 avg.	'09	0.86	2.23	3.32	3.78	1.37	1.25	5.33	18.14
		DFA	-1.17	-0.72	-0.91	0.67	-1.57	-1.23	3.55	-1.38
	Avg.Temp. -°F 1971-2000 avg.	'09	44.4	56.9	66.2	70.7	68.5	58.9	46.0	58.80
		DFA	0.2	0.2	0.1	0.0	-0.1	-0.2	-0.3	-0.01
	Accum. GDDs 1971-2000 avg.	'09	100	299	429	496	504	394	23	2245
	DFA*	15	6	-54	-144	-73	64	-115	-301	
Centerville, 6 SE (Beresford)	Precip.- inches 1971-2000 avg.	'09	1.60	0.94	4.64	4.82	2.08	2.16	4.72	20.96
		DFA	-0.87	-2.71	0.69	1.47	-0.75	-0.10	2.92	0.65
	Avg.Temp. -°F 1971-2000 avg.	'09	47.4	59.7	69.5	73.7	71.4	62.6	49.4	61.96
		DFA	0.2	0.2	0.1	0.0	-0.1	0.3	-0.3	0.06
	Accum. GDDs 1971-2000 avg.	'09	136	354	504	561	564	424	52	2595
	DFA*	1	16	-78	-172	-102	28	-142	-449	
Southeast Experiment Station (Test site)	Precip.- inches 1971-2000 avg.	'09	0.96	1.18	3.11	3.4	2.63	1.72	3.68	16.68
		DFA	-1.53	-2.42	-0.08	0.52	0.42	-0.37	2.09	-1.37
	Avg.Temp. -°F 1971-2000 avg.	'09	43.7	58.0	65.1	68.0	67.5	62.7	49.5	59.21
		DFA	-4.2	-1.7	-3.9	-6.5	-5.2	-0.1	-0.3	-3.13
	Accum. GDDs 1971-2000 avg.	'09	125	340	457	570	552	426	40	2510
	DFA*	-23	-2	-110	-170	-144	11	-150	-588	

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

Table C. 2009 Glyphosate-resistant corn hybrid entries by brand/hybrid, seed product traits, and index to performance table no.(s).

Brand/Hybrid	Seed Biotech Traits [1]	Table No.(s)
AGSOURCE/ 3P-494+RR/YGPL	Cb,Crw,Gly	1a, 2a
AGSOURCE/ 3T-096 VT3	Cb,Crw,Gly	1a, 2a, 3a
AGSOURCE/ 3T-294 VT3	Cb,Crw,Gly	1a, 2a
AGSOURCE/ 3T-302 VT3	Cb,Crw,Gly	1b, 2b, 5a
AGSOURCE/ 3T-603B VT3	Cb,Crw,Gly	3b, 4b, 5a
AGSOURCE/ 3T-712 VT3	Cb,Crw,Gly	6b
AGSOURCE/ 3T-799 VT3	Cb,Crw,Gly	1b, 2b, 3a, 4a
AGSOURCE/ 3T-904 VT3	Cb,Crw,Gly	3b, 4b, 5a
AGSOURCE/ 3T-995 VT3	Cb,Crw,Gly	1a, 2a, 3a
AGSOURCE/ 5B-198 GTCBLL	Cb,Glu,Gly	1b, 2b, 3a, 4a
AGSOURCE/ 5X-100A RR/HXT	WBcw,Cb,Bcw,Faw,Crw*,Glu,Gly	1b, 2b
AGSOURCE/ 5X-805 RR/HXT	WBcw,Cb,Bcw,Faw,Crw*,Glu,Gly	3b, 4b, 5a
DAIRYLAND/ ST-6992	Gly	2a
DAIRYLAND/ ST-7790	Crw*,Glu	2a
DAIRYLAND/ ST-9003	Cb,Crw,Gly	4b
DAIRYLAND/ ST-9006	Cb,Crw,Gly	6a
DAIRYLAND/ ST-9395	Cb,Crw,Gly	1a, 2a
DAIRYLAND/ ST-9500Q	WBcw,Cb,Bcw,Faw,Crw*,Glu,Gly	1b, 4a
DAIRYLAND/ ST-9594	Cb,Crw,Gly	1a, 2a
DAIRYLAND/ ST-9597Q	WBcw,Cb,Bcw,Faw,Crw*,Glu,Gly	1b, 2b, 4a
DAIRYLAND/ ST-9703Q	WBcw,Cb,Bcw,Faw,Crw*,Glu,Gly	4b
DAIRYLAND/ ST-9789	Cb,Crw,Gly	2a
DAIRYLAND/ ST-9799	Cb,Crw,Gly	1b
DAIRYLAND/ ST-9810	Cb,Crw,Gly	6a
DAIRYLAND/ ST9206Q	WBcw,Cb,Bcw,Faw,Crw*,Glu,Gly	6a

Table C. 2009 Glyphosate-resistant corn hybrid entry index to performance table no. (s). (Continued)

Brand/Hybrid	Seed Biotech Traits [1]	Table No.(s)
DEKALB/ DKC40-20(VT3)	Cb,Crw,Gly	1a, 2a
DEKALB/ DKC42-72(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	2b, 3a
DEKALB/ DKC50-35(VT3)	Cb,Crw,Gly	3a, 5a
DEKALB/ DKC50-44(VT3)	Cb,Crw,Gly	1b, 2b, 4a, 5a
DEKALB/ DKC50-66(VT3)	Cb,Crw,Gly	1b, 2b, 3a, 4a, 5a
DEKALB/ DKC51-13(VT3)	Cb,Crw,Gly	1b, 2b, 3b, 4b, 5a
DEKALB/ DKC52-59(VT3)	Cb,Crw,Gly	1b, 3b, 4b, 5a, 6a
DEKALB/ DKC53-76(VT3)	Cb,Crw,Gly	3b, 4b, 5a, 6a
DEKALB/ DKC55-07(VT3)	Cb,Crw,Gly	3b, 5a, 6a
DEKALB/ DKC57-50(VT3)	Cb,Crw,Gly	6a
DEKALB/ DKC58-16(VT3)	Cb,Crw,Gly	5b
DEKALB/ DKC59-64(VT3)	Cb,Crw,Gly	5b, 6a
DEKALB/ DKC61-69(VT3)	Cb,Crw,Gly	5b, 6b
DEKALB/ DKC62-54(VT3)	Cb,Crw,Gly	6b
EPLEY/ E1115GT	WBcw,Cb,Bcw,Faw,Glu,Gly	2a, 3a, 4a
EPLEY/ E1184VT3	Cb,Crw,Gly	2b, 3a, 4a
EPLEY/ EXP1307HXLLRR	WBcw,Cb,Bcw,Faw,Crw*,Glu,Gly	2b, 3a, 4a
FOUR/ STAR 6844VT3	Cb,Crw,Gly	6a
FOUR/ STAR EXP6066VT3	Cb,Crw,Gly	6a
FOUR/ STAR EXP9056VT3	Cb,Crw,Gly	6a
FOUR/ STAR EXP9072VT3	Cb,Crw,Gly	6a
G2/ GEN. 3P-595 RR/YGPL	Cb,Crw,Gly	1a, 2a
G2/ GEN. 5H-005 RR/HX	WBcw,Cb,Bcw,Faw,Glu,Gly	3b, 4b, 5a
G2/ GEN. 5H-007 RR/HX	WBcw,Cb,Bcw,Faw,Glu,Gly	3b, 4b, 5b, 6a
G2/ GEN. 5H-199 RR/HX	WBcw,Cb,Bcw,Faw,Glu,Gly	1b, 2b
G2/ GEN. 5H-210 RR/HX	WBcw,Cb,Bcw,Faw,Glu,Gly	5b, 6a
G2/ GEN. 5H-314 RR/HX	WBcw,Cb,Bcw,Faw,Glu,Gly	6b
G2/ GEN. 5H-501 RR/HX	WBcw,Cb,Bcw,Faw,Glu,Gly	1b, 2b, 3a, 4a, 5a
G2/ GEN. 5H-506 RR/HX	WBcw,Cb,Bcw,Faw,Glu,Gly	3b, 4b, 5a
G2/ GEN. 5H-506A RR/HX	WBcw,Cb,Bcw,Faw,Glu,Gly	3b, 4b, 5a
G2/ GEN. 5H-511 RR/HX	WBcw,Cb,Bcw,Faw,Glu,Gly	5b, 6a
G2/ GEN. 5H-511A RR/HX	WBcw,Cb,Bcw,Faw,Glu,Gly	5b, 6b
G2/ GEN. 5H-797 RR/HX	WBcw,Cb,Bcw,Faw,Glu,Gly	1b, 2b, 3a
G2/ GEN. 5H-905 RR/HX	WBcw,Cb,Bcw,Faw,Glu,Gly	3b, 4b, 5a
G2/ GEN. 5H-999 RR/HX	WBcw,Cb,Bcw,Faw,Glu,Gly	1b, 2b, 3a, 4a
G2/ GEN. 5X-199RR/HXT	WBcw,Cb,Bcw,Faw,Crw*,Glu,Gly	1b, 2b, 3a, 4a
G2/ GEN. 5X-210 RR/HXT	WBcw,Cb,Bcw,Faw,Crw*,Glu,Gly	5b, 6a
G2/ GEN. 5X-398 RR/HXT	WBcw,Cb,Bcw,Faw,Crw*,Glu,Gly	1a, 2a, 3a, 4a
G2/ GEN. 5X-513 RR/HXT	WBcw,Cb,Bcw,Faw,Crw*,Glu,Gly	6b
G2/ GEN. 5X-594 RR/HXT	WBcw,Cb,Bcw,Faw,Crw*,Glu,Gly	1a, 2a
G2/ GEN. 5X-707 RR/HXT	WBcw,Cb,Bcw,Faw,Crw*,Glu,Gly	3b, 4b
G2/ GEN. 5X-711 RR/HXT	WBcw,Cb,Bcw,Faw,Crw*,Glu,Gly	6a
G2/ GEN. 5X-711A RR/HXT	WBcw,Cb,Bcw,Faw,Crw*,Glu,Gly	6b
G2/ GEN. 5X-802 RR/HXT	WBcw,Cb,Bcw,Faw,Crw*,Glu,Gly	1b, 2b, 3a, 4a, 5a
G2/ GEN. 5X-911 RR/HXT	WBcw,Cb,Bcw,Faw,Crw*,Glu,Gly	5b, 6a
G2/ GEN. 5X-911A RR/HXT	WBcw,Cb,Bcw,Faw,Crw*,Glu,Gly	6b
HEINE/ 727VT3	Cb,Crw,Gly	4b
HEINE/ 742VT3	Cb,Crw,Gly	4b
HEINE/ 744RRY GCB	Cb,Gly	4b
HEINE/ 745VT3	Cb,Crw,Gly	4b
HEINE/ 753VT3	Cb,Crw,Gly	4b
HOEGEMEYER/ 3113	Cb,Crw,Gly	3a, 4a
HOEGEMEYER/ 7421	Cb,Glu,Gly	5a
HOEGEMEYER/ 7445	Cb,Crw,Gly	5a
HOEGEMEYER/ HPT 6962	WBcw,Cb,Bcw,Faw,Crw*,Glu,Gly	4a
HOEGEMEYER/ HPT 7757	WBcw,Cb,Bcw,Faw,Crw*,Glu,Gly	5a, 6a
HOEGEMEYER/ HPTEXP6589	WBcw,Cb,Bcw,Faw,Glu,Gly	3a
HOEGEMEYER/ HPTEXP7041	WBcw,Cb,Bcw,Faw,Glu,Gly	3a
HOEGEMEYER/ HPTEXP7408	WBcw,Cb,Bcw,Faw,Glu,Gly	5a
KALTENBERG/ 5355LLGTBT11	Cb,Glu,Gly	5a
KALTENBERG/ 5588LLRRHXT	WBcw,Cb,Bcw,Faw,Crw*,Glu,Gly	5a
KALTENBERG/ K4053VT3	Cb,Crw,Gly	4a

Table C. 2009 Glyphosate-resistant corn hybrid entry index to performance table no. (s). (Continued)

Brand/Hybrid	Seed Biotech Traits [1]	Table No.(s)
KALTENBERG/ K4149LLGT3	Cb,Crw,Gly	4a
KALTENBERG/ K4521LLRRHXT	WBcw,Cb,Bcw,Faw,Crw*,Glu,Gly	4a
KALTENBERG/ K5163VT3	Cb,Crw,Gly	5a
KALTENBERG/ K5332GT	Gly	5a
KALTENBERG/ K6645LLGT3	Cb,Crw*,Glu,Gly	6a
KALTENBERG/ K6663VT3	Cb,Crw,Gly	6a
KRUGER/ 6006VT3	Cb,Crw,Gly	3b, 4b, 5b
KRUGER/ 6010VT3	Cb,Crw,Gly	5b, 6a
KRUGER/ 6013VT3	Cb,Crw,Gly	6b
KRUGER/ 6093VT3	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/ 6116VT3	Cb,Crw,Gly	6b
KRUGER/ 6200VT3	Cb,Crw,Gly	1b, 2b
KRUGER/ 6205VT3	Cb,Crw,Gly	3b, 4b, 5a
KRUGER/ 6208VT3	Cb,Crw,Gly	5b, 6a
KRUGER/ 6213VT3	Cb,Crw,Gly	6b
KRUGER/ 6214VT3	Cb,Crw,Gly	6b
KRUGER/ 6295VT3	Cb,Crw,Gly	1a, 2a
KRUGER/ 6298VT3	Cb,Crw,Gly	1b, 2b, 3a, 4a
KRUGER/ 6401VT3	Cb,Crw,Gly	1b, 2b, 3b, 4b, 5a
KRUGER/ 6408VT3	Cb,Crw,Gly	5b, 6a
KRUGER/ 6410VT3	Cb,Crw,Gly	5b, 6a
KRUGER/ 6411VT3	Cb,Crw,Gly	6b
KRUGER/ 6412VT3	Cb,Crw,Gly	6b
KRUGER/ 6490VT3	Cb,Crw,Gly	1a, 2a
KRUGER/ 6499VT3	Cb,Crw,Gly	1b, 2b, 3a, 4a
KRUGER/ 6606VT3	Cb,Crw,Gly	3b, 4b, 5b
NC+/ 1775VT3	Cb,Crw,Gly	3a, 4a, 5a
NC+/ 1982VT3	Cb,Crw,Gly	3a, 4a, 5a
NC+/ 208-72VT3	Cb,Crw,Gly	5b, 6a
NC+/ 210-57VT3	Cb,Crw,Gly	5b, 6a
NC+/ 4517VT3	Cb,Crw,Gly	6b
NC+/ 4582VT3	Cb,Crw,Gly	5b, 6a
NUTECH/ 3T-098 VT3	Cb,Crw,Gly	1b, 2b, 3a, 4a
NUTECH/ 3T-106 VT3	Cb,Crw,Gly	3b, 4b, 5a, 6a
NUTECH/ 3T-110 VT3	Cb,Crw,Gly	5b, 6a
NUTECH/ 3T-295 VT3	Cb,Crw,Gly	1a, 2a
NUTECH/ 3T-300 VT3	Cb,Crw,Gly	1b, 2b, 3a, 4a
NUTECH/ 3T-308 VT3	Cb,Crw,Gly	3b, 4b, 5b, 6a
NUTECH/ 3T-313 VT3	Cb,Crw,Gly	6b
NUTECH/ 3T-401 VT3	Cb,Crw,Gly	1b, 2b, 3a, 4a, 5a
NUTECH/ 3T-408 VT3	Cb,Crw,Gly	3b, 4b, 5b, 6a
NUTECH/ 3T-409 VT3	Cb,Crw,Gly	5b
NUTECH/ 3T-413 VT3	Cb,Crw,Gly	6b
NUTECH/ 3T-493 VT3	Cb,Crw,Gly	1a, 2a
NUTECH/ 3T-512 VT3	Cb,Crw,Gly	5b, 6a
NUTECH/ 3T-512A VT3	Cb,Crw,Gly	6b
NUTECH/ 3T-600 VT3	Cb,Crw,Gly	1b, 2b, 3a, 4a
NUTECH/ 3T-601 VT3	Cb,Crw,Gly	1b, 2b, 3a, 4a
NUTECH/ 3T-603 VT3	Cb,Crw,Gly	1b, 2b, 3b, 4b, 5a
NUTECH/ 3T-612 VT3	Cb,Crw,Gly	6b
NUTECH/ 3T-706 VT3	Cb,Crw,Gly	3b, 4b, 5a
NUTECH/ 3T-713 VT3	Cb,Crw,Gly	6b
NUTECH/ 3T-801 VT3	Cb,Crw,Gly	1b, 2b, 3a, 4a, 5a
NUTECH/ 3T-894 VT3	Cb,Crw,Gly	1a, 2a
NUTECH/ 5B-804 GT/CB/LL	Cb,Glu,Gly	3b, 4b, 5a
NUTECH/ 5N-909 GTCBLLRW	Cb,Crw*,Glu,Gly	5b, 6a
PIONEER/ 33Z74	WBcw,Cb,Bcw,Faw,Crw*,Glu,Gly	6b
PIONEER/ 35F44	WBcw,Cb,Bcw,Faw,Crw*,Glu,Gly	3b, 4b, 5a, 6a
PIONEER/ 36V53	WBcw,Cb,Bcw,Faw,Glu,Gly	3b, 4b, 5a
PIONEER/ 37K11	WBcw,Cb,Bcw,Faw,Glu,Gly	1b, 3a
PIONEER/ 37N68	WBcw,Cb,Bcw,Faw,Crw*,Glu,Gly	1b, 4b
PIONEER/ 38H08	WBcw,Cb,Bcw,Faw,Glu,Gly	1a, 2a
PIONEER/ 38P43	WBcw,Cb,Bcw,Faw,Crw*,Glu,Gly	2a

Table C. 2009 Glyphosate-resistant corn hybrid entry index to performance table no. (s). (Continued)

Brand/Hybrid	Seed Biotech Traits [1]	Table No.(s)
PROSEED/ 794	Cb,Glu,Gly	1a, 2a
PROSEED/ 8100	Gly	4a
PROSEED/ 8101VT3	Cb,Crw,Gly	5a, 6a
PROSEED/ 8104	Cb,Glu,Gly	6a
PROSEED/ 894	Cb,Crw,Gly	1a, 2a
PROSEED/ 896	Cb,Crw,Gly	1b, 2b
PROSEED/ 897	Cb,Crw,Gly	1b, 2b, 3a, 4a
PROSEED/ 9102	Cb,Crw,Gly	5a, 6a
PROSEED/ 9105	Cb,Crw,Gly	5a, 6a
RENK/ EXP7-816VT3	Cb,Crw,Gly	6b
RENK/ EXP8-809VT3	Cb,Crw,Gly	6b
RENK/ RK670VT3	Cb,Crw,Gly	3b, 4b, 5a, 6a
RENK/ RK698VT3	Cb,Crw,Gly	3b, 4b, 5a, 6a
RENK/ RK711RRHXTRA	WBCw,Cb,Bcw,Faw,Crw*,Glu,Gly	5b, 6a
RENK/ RK744VT3	Cb,Crw,Gly	5b, 6a
RENK/ RK760VT3	Cb,Crw,Gly	4b, 5b, 6a
RENK/ RK822VT3	Cb,Crw,Gly	5b, 6a
SEEDS/ 2000 9501VT3	Cb,Crw,Gly	1a, 2a
SEEDS/ 2000 9502VT3	Cb,Crw,Gly	1a, 2a
SEEDS/ 2000 9901VT3	Cb,Crw,Gly	1b, 2b, 3a, 4a
WENSMAN/ W 7195VT3	Cb,Crw,Gly	1a, 2a
WENSMAN/ W 7267VT3	Cb,Crw,Gly	4a
WENSMAN/ W 7270VT3	Cb,Crw,Gly	1b, 2b, 3a, 4a
WENSMAN/ W 7273VT3	Cb,Crw,Gly	1b, 2b
WENSMAN/ W 7289VT3	Cb,Crw,Gly	3a
WENSMAN/ W 7360VT3	Cb,Crw,Gly	3b, 4b, 5a
WENSMAN/ W 7433VT3	Cb,Crw,Gly	5a
WENSMAN/ W 7455VT3	Cb,Crw,Gly	3b, 4b, 5b, 6a
WENSMAN/ W 7469VT3	Cb,Crw,Gly	5b, 6a
WENSMAN/ W 8180	Cb,Crw,Gly	1a, 2a

[1] 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), Crw* includes Western, Northern, and Mexican Corn rootworm.

Herbicide traits - Glyphosate tolerance (Gly) and 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 2009 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 any two values within a column must equal or exceed to be significantly different (0.05 level of probability). If the 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 a value exceeds 15%, the trial contained too much experimental error to be valid, so results for that trial are not reported.

Table E. Mailing addresses for seed entries in the 2009 corn hybrid trials by seed brand name

Seed Brand	Seed Company Mailing Address
AgSource Dairyland Dekalb	AgSource Seeds Inc., 1800 L Ave., Nevada, IA 50201 Dairyland Seed, PO Box 958, West Bend, WI 53095 Monsanto, 102 W. Carol Ave., Cortland, IL 60112
Epley Bros. Four Star G-2 Genetics	Epley Bros. Hybrids Inc., PO Box 310, Shell Rock, IA 50670 Four Star Seed Co., 2929-335th Street, Logan, IA 51546 G-2 Genetics, 415 S. Duff Avenue, Suite C, Ames, IA 50010
Heine Hoegemeyer Kaltenberg	Heine Hybrid Seed Corn, 1020 E. 320th St., Vermillion, SD 57069 Hoegemeyer Hybrids, 1755 Hoegemeyer Road, Hooper, NE 68031 Kaltenberg Seeds, 5506 State Road 19, Box 278, Waunakee, WI 53597
Kruger NC+ NuTech	Kruger Seed Co., Box A, Dike, IA 50624 NC+, 525 South 211th Street, Elkhorn, NE 68022 Nutech Seed, LLC, 415 S. Duff Avenue, Suite C, Ames, IA 50010
Pioneer Proseed Renk	Pioneer Hi-Bred International, 151 Saint Andrews Court, Mankato, MN 56001 Proseed, 701 E. Brewster St., Harvey, ND 58341 Renk Seed Co., 6809 Wilburn Rd., Sun Prairie, WI 53590
Seeds 2000 Wensman	Seeds 2000, PO Box 200, Breckenridge, MN 56520 Wensman Seed Co., 67784 330th Street, Watkins, MN 55389

Table 1a. Warner early maturity Roundup Ready corn hybrid test results, 2008-09, Allen & Inel Ryckman Farm. Seeded May 7, 2009 at 28,750 seeds per acre.

Brand/Hybrid & Seed Treatment [1]	Rel. Mat. [2]	Yield Averages		Other 2009 Averages			
		2-Yr bu/a	2009 bu/a	Bu. Wt. lb	Grain Moisture Pctg	Lodging Pctg [3]	Final Stand Pctg [4]
SEEDS/ 2000 9501VT3 + Poncho 1250	95	217	245	52	19	0	98
DAIRYLAND/ ST-9594 + Poncho 250	94	214	246	54	19	0	97
PIONEER/ 38H08 + Poncho 250	92	209	225	50	17	0	95
AGSOURCE/ 3T-995 VT3 + Cruiser 250	95	207	225	52	21	0	98
KRUGER/ 6093VT3 + Cruiser 250	93	206	233	53	21	0	99
DEKALB/ DKC43-27(VT3) + Poncho 250	93	206	220	54	20	1	93
PROSEED/ 794 + Poncho 250	94		247	52	22	0	95
DAIRYLAND/ ST-9395 + Poncho 250	95		245	52	20	0	97
NUTECH/ 3T-295 VT3 + Poncho 250	95		244	54	23	0	96
AGSOURCE/ 3P-494+RR/YGPL + Cruiser 250	94		242	52	20	0	99
PROSEED/ 894 + Poncho 250	94		240	51	20	0	95
KRUGER/ 6295VT3 + Cruiser 250	95		236	53	21	0	95
DEKALB/ DKC42-72(VT3) + Poncho 250	92		232	54	19	0	97
WENSMAN/ W 7195VT3 + Poncho 250	95		232	52	22	0	97
SEEDS/ 2000 9502VT3 + Poncho 1250	95		232	53	21	0	89
G2/ GEN. 5X-398 RR/HXT + Cruiser 250	95		230	51	24	0	93
NUTECH/ 3T-493 VT3 + Poncho 250	93		229	50	21	1	86
DEKALB/ DKC40-20(VT3) + Poncho 250	90		226	53	20	0	95
WENSMAN/ W 8180 + Poncho 250	95		226	53	23	0	96
G2/ GEN. 5X-594 RR/HXT + Cruiser 250	94		225	49	21	0	92
NUTECH/ 3T-894 VT3 + Poncho 250	94		224	54	20	0	95
AGSOURCE/ 3T-096 VT3 + Cruiser 250	95		215	54	22	1	97
G2/ GEN. 3P-595 RR/YGPL + Cruiser 250	95		212	52	22	0	83
KRUGER/ 6490VT3 + Cruiser 250	90		208	54	18	0	95
AGSOURCE/ 3T-294 VT3 + Poncho 250	94		208	54	21	0	88
Trial avg.:	94	210	230	52	21	0	94
High avg.:	95	217	247	54	24	1	99
Low avg.:	90	206	208	49	17	0	83
[5] LSD(.05):		NS	13	1	2	NS	5
[6] Min.TPG value:		206	234	53			94
[7] Max.TPG value:					19	1	
[8] Coef. of var.:		4	3	2	6	372	3
No. entries:	25	6	25	25	25	25	25

[1] Entries are listed by Brand/Hybrid and sorted by 2-yr then by 2009 yield average.

* Values in **bold type** within a column are included in the top-performance group.

Note that additional table footnotes are explained in table D.

Table 1b. Warner late maturity Roundup Ready corn hybrid test results, 2008-09, Allen & Inel Ryckman Farm. Seeded May 7, 2009 at 28,750 seeds per acre.

Brand/Hybrid & Seed Treatment [1]	Rel. Mat. [2]	Yield Averages		Other 2009 Averages			
		2-Yr bu/a	2009 bu/a	Bu. Wt. lb	Grain Moisture Pctg	Lodging Pctg [3]	Final Stand Pctg [4]
KRUGER/ 6401VT3 + Cruiser 250	101	230	242	53	24	0	95
DEKALB/ DKC52-59(VT3) + Poncho 250	102	223	241	50	23	0	95
SEEDS/ 2000 9901VT3 + Poncho 250	99	223	236	53	23	0	95
KRUGER/ 6499VT3 + Cruiser 250	99	222	243	51	24	0	97
DEKALB/ DKC50-44(VT3) + Poncho 250	100	222	237	54	23	0	93
NUTECH/ 3T-098 VT3 + Cruiser 250	98	221	247	51	23	0	95
WENSMAN/ W 7273VT3 + Poncho 250	98	221	243	52	23	0	95
G2/ GEN. 5H-797 RR/HX + Cruiser 250	96	221	241	51	21	0	97
KRUGER/ 6097VT3 + Cruiser 250	97	220	237	50	23	1	94
KRUGER/ 6102VT3 + Cruiser 250	102	219	234	53	22	0	93
KRUGER/ 6298VT3 + Cruiser 250	98	213	236	53	20	0	99
DEKALB/ DKC46-60(VT3) + Poncho 250	96	213	227	53	20	0	95
DAIRYLAND/ ST-9799 + Poncho 250	99	210	231	50	24	0	94
G2/ GEN. 5H-199 RR/HX + Cruiser 250	99		243	51	21	0	93
NUTECH/ 3T-601 VT3 + Poncho 250	100		240	53	23	0	96
G2/ GEN. 5H-501 RR/HX + Cruiser 250	100		240	52	23	0	95
G2/ GEN. 5X-199RR/HXT + Cruiser 250	99		235	52	23	1	97
WENSMAN/ W 7270VT3 + Poncho 250	97		235	53	20	0	94
DEKALB/ DKC50-66(VT3) + Poncho 250	100		234	53	20	1	96
NUTECH/ 3T-801 VT3 + Poncho 250	100		234	50	24	0	90
G2/ GEN. 5H-999 RR/HX + Cruiser 250	99		234	54	22	0	92
PIONEER/ 37K11 + Poncho 250	99		233	49	22	0	95
NUTECH/ 3T-401 VT3 + Cruiser 250	100		233	52	24	0	96
NUTECH/ 3T-300 VT3 + Cruiser 250	100		231	52	24	0	95
KRUGER/ 6200VT3 + Cruiser 250	100		231	52	18	0	95
PROSEED/ 897 + Poncho 250	97		229	54	21	0	92
NUTECH/ 3T-600 VT3 + Poncho 250	100		229	52	24	1	89
G2/ GEN. 5X-802 RR/HXT + Cruiser 250	100		228	51	24	0	98
AGSOURCE/ 5B-198 GTCBLL + Poncho 250	100		225	52	24	0	83
PROSEED/ 896 + Poncho 250	96		222	53	23	0	90
PIONEER/ 37N68 + Poncho 250	101		222	51	24	1	93
AGSOURCE/ 3T-799 VT3 + Cruiser 250	99		219	50	24	0	88
AGSOURCE/ 3T-302 VT3 + Cruiser 250	102		219	51	25	0	90
DAIRYLAND/ ST-9597Q + Cruiser 250	97		218	50	24	0	91
NUTECH/ 3T-603 VT3 + Cruiser 250	103		218	51	24	0	92
AGSOURCE/ 5X-100A RR/HXT + Poncho 250	100		216	48	25	0	92
DEKALB/ DKC51-13(VT3) + Poncho 250	101		207	51	23	0	93
DAIRYLAND/ ST-9500Q + Cruiser 250	99		207	51	24	0	91
Trial avg.:	99	220	231	52	23	0	94
High avg.:	103	230	247	54	25	1	99
Low avg.:	96	210	207	48	18	0	83
[5] LSD(.05):		NS	12	1	1	NS	4
[6] Min.TPG value:		210	235	53			95
[7] Max.TPG value:					19	1	
[8] Coef. of var.:		4	3	2	4	482	2
No. entries:	38	13	38	38	38	38	38

[1] Entries are listed by Brand/Hybrid and sorted by 2-yr then by 2009 yield average.

* Values in **bold type** within a column are included in the top-performance group.

Note that additional table footnotes are explained in table D.

Table 2a. South Shore early maturity Roundup Ready corn hybrid test results, 2008-09, Northeast Research Farm. Seeded May 7, 2009 at 28,750 seeds per acre.

Brand/Hybrid & Seed Treatment [1]	Rel. Mat. [2]	Yield Averages		Other 2009 Averages			
		2-Yr bu/a	2009 bu/a	Bu.Wt. lb	Grain Moisture Pctg	Lodging Pctg [3]	Final Stand Pctg [4]
DEKALB/ DKC43-27(VT3) + Poncho 250	93	202	212	52	20	0	95
AGSOURCE/ 3T-995 VT3 + Cruiser 250	95	199	206	49	20	0	96
KRUGER/ 6093VT3 + Cruiser 250	93	185	201	50	22	0	98
PIONEER/ 38H08 + Poncho 250	92	184	195	47	18	0	94
SEEDS/ 2000 9501VT3 + Poncho 1250	95	178	204	48	19	0	99
DAIRYLAND/ ST-9594 + Poncho 250	94	176	213	51	16	0	95
DAIRYLAND/ ST-6992 + Poncho 250	92		216	51	20	1	95
KRUGER/ 6295VT3 + Cruiser 250	95		215	49	19	0	99
DEKALB/ DKC42-72(VT3) + Poncho 250	92		212	51	20	0	96
DAIRYLAND/ ST-9395 + Poncho 250	95		212	49	19	0	95
DAIRYLAND/ ST-9789 + Poncho 250	89		210	51	18	1	99
NUTECH/ 3T-493 VT3 + Poncho 250	93		207	49	17	0	92
NUTECH/ 3T-295 VT3 + Poncho 250	95		207	50	23	0	94
AGSOURCE/ 3T-294 VT3 + Poncho 250	94		207	51	19	0	93
WENSMAN/ W 8180 + Poncho 250	95		206	51	22	0	94
PROSEED/ 894 + Poncho 250	94		205	49	21	1	95
NUTECH/ 3T-894 VT3 + Poncho 250	94		205	49	20	0	96
DEKALB/ DKC40-20(VT3) + Poncho 250	90		204	51	21	0	94
KRUGER/ 6490VT3 + Cruiser 250	90		203	53	19	0	99
SEEDS/ 2000 9502VT3 + Poncho 1250	95		203	50	20	0	93
DAIRYLAND/ ST-7790 + Cruiser 250	90		202	51	21	0	93
WENSMAN/ W 7195VT3 + Poncho 250	95		198	49	23	0	95
AGSOURCE/ 3P-494+RR/YGPL + Cruiser 250	94		193	49	22	0	97
AGSOURCE/ 3T-096 VT3 + Cruiser 250	95		191	50	23	0	92
G2/ GEN. 3P-595 RR/YGPL + Cruiser 250	95		189	49	23	0	99
PROSEED/ 794 + Poncho 250	94		187	47	20	0	99
G2/ GEN. 5X-594 RR/HXT + Cruiser 250	94		182	45	21	0	95
G2/ GEN. 5X-398 RR/HXT + Cruiser 250	95		173	47	24	0	95
PIONEER/ 38P43 + Poncho 250	95		171	51	22	0	95
EPLEY/ E1115GT + Not reported	93		159	50	22	0	95
Trial avg.:		187	200	50	20	0	96
High avg.:		202	216	53	24	1	99
Low avg.:	94	176	159	45	16	0	92
[5] LSD(.05):	95	NS	11	1	2	NS	4
[6] Min.TPG value:	89	176	205	52			95
[7] Max.TPG value:	30				18	1	
[8] Coef. of var.:		6	3	2	5	557	3
No. entries:		6	30	30	30	30	30

[1] Entries are listed by Brand/Hybrid and sorted by 2-yr then by 2009 yield average.

* Values in **bold type** within a column are included in the top-performance group.

Note that additional table footnotes are explained in table D.

Table 2b. South Shore late maturity Roundup Ready corn hybrid test results, 2008-09, Northeast Research Farm. Seeded May 7, 2009 at 28,750 seeds per acre.

Brand/Hybrid & Seed Treatment [1]	Rel. Mat. [2]	Yield Averages		Other 2009 Averages			
		2-Yr bu/a	2009 bu/a	Bu.Wt. lb	Grain Moisture Pctg	Lodging Pctg [3]	Final Stand Pctg [4]
KRUGER/ 6102VT3 + Cruiser 250	102	199	209	48	25	0	93
DEKALB/ DKC48-37(VT3) + Poncho 250	98	196	209	50	20	0	93
DEKALB/ DKC46-60(VT3) + Poncho 250	96	196	200	48	21	0	97
DEKALB/ DKC50-44(VT3) + Poncho 250	100	194	208	47	25	1	92
KRUGER/ 6298VT3 + Cruiser 250	98	190	197	48	24	0	96
SEEDS/ 2000 9901VT3 + Poncho 250	99	187	195	49	24	0	92
KRUGER/ 6097VT3 + Cruiser 250	97	182	215	46	27	0	97
WENSMAN/ W 7273VT3 + Poncho 250	98	182	181	47	31	0	94
KRUGER/ 6401VT3 + Cruiser 250	101	181	195	50	27	0	96
G2/ GEN. 5H-797 RR/HX + Cruiser 250	96	179	196	45	24	0	94
NUTECH/ 3T-098 VT3 + Cruiser 250	98	169	188	46	29	0	96
KRUGER/ 6499VT3 + Cruiser 250	99	164	186	47	29	0	95
G2/ GEN. 5H-999 RR/HX + Cruiser 250	99		217	48	23	1	94
DEKALB/ DKC50-66(VT3) + Poncho 250	100		214	49	22	0	94
KRUGER/ 6200VT3 + Cruiser 250	100		213	49	21	0	94
EPLEY/ E1184VT3 + Cruiser 250	96		208	48	21	0	94
G2/ GEN. 5H-501 RR/HX + Cruiser 250	100		203	47	24	0	92
G2/ GEN. 5X-199RR/HXT + Cruiser 250	99		199	47	25	0	91
PROSEED/ 896 + Poncho 250	96		198	49	25	0	91
NUTECH/ 3T-601 VT3 + Poncho 250	100		198	48	24	0	96
PROSEED/ 897 + Poncho 250	97		197	47	26	1	91
G2/ GEN. 5H-199 RR/HX + Cruiser 250	99		197	47	23	0	90
WENSMAN/ W 7270VT3 + Poncho 250	97		196	47	25	0	95
NUTECH/ 3T-401 VT3 + Cruiser 250	100		193	46	29	0	93
DAIRYLAND/ ST-9597Q + Cruiser 250	97		192	49	24	0	92
DEKALB/ DKC51-13(VT3) + Poncho 250	101		189	47	26	0	94
NUTECH/ 3T-300 VT3 + Cruiser 250	100		184	46	31	0	94
AGSOURCE/ 5B-198 GTCBLL + Poncho 250	100		182	47	29	0	84
G2/ GEN. 5X-802 RR/HXT + Cruiser 250	100		180	46	26	0	97
NUTECH/ 3T-600 VT3 + Poncho 250	100		179	47	25	1	87
AGSOURCE/ 3T-799 VT3 + Cruiser 250	99		173	48	29	0	88
NUTECH/ 3T-603 VT3 + Cruiser 250	103		168	48	25	0	87
AGSOURCE/ 5X-100A RR/HXT + Poncho 250	100		165	48	31	0	94
AGSOURCE/ 3T-302 VT3 + Cruiser 250	102		165	48	35	0	95
EPLEY/ EXP1307HXLLRR + Cruiser 250	100		162	46	30	0	91
NUTECH/ 3T-801 VT3 + Poncho 250	100		154	45	34	0	91
Trial avg.:	99	185	192	47	26	0	93
High avg.:	103	199	217	50	35	1	97
Low avg.:	96	164	154	45	20	0	92
[5] LSD(.05):		28	13	1	2	NS	4
[6] Min.TPG value:		171	204	49			93
[7] Max.TPG value:					22	1	
[8] Coef. of var.:		5	4	2	5	420	3
No. entries:	36	12	36	36	36	36	36

[1] Entries are listed by Brand/Hybrid and sorted by 2-yr then by 2009 yield average.

* Values in **bold type** within a column are included in the top-performance group.

Note that additional table footnotes are explained in table D.

Table 3a. Bancroft early maturity glyphosate-resistant corn hybrid test results, 2009-09, E. Weerts Farm Inc. Seeded May 21, 2009 at 28,750 seeds per acre.

Brand/Hybrid + Seed Treatment [1]	Rel. Mat. [2]	Yield Averages		Other 2009 Averages			
		2-Yr bu/a	2009 bu/a	Bu. Wt. lb	Grain Moisture Pctg	Lodging Pctg [3]	Final Stand Pctg [4]
DEKALB/ DKC46-60(VT3) + Poncho 250	96	199	200	51	21	1	94
DEKALB/ DKC48-37(VT3) + Poncho 250	98	196	196	52	20	0	93
DEKALB/ DKC43-27(VT3) + Poncho 250	93	195	194	51	21	0	89
WENSMAN/ W 7289VT3 + Poncho 250	99	195	179	48	24	0	91
NC+/ 1982VT3 + Cruiser 250	99	193	186	47	25	0	94
KRUGER/ 6298VT3 + Cruiser 250	98	189	186	49	23	0	92
G2/ GEN. 5H-797 RR/HX + Cruiser 250	96	189	184	48	23	0	87
NC+/ 1775VT3 + Cruiser 250	97	189	174	49	25	1	89
NUTECH/ 3T-098 VT3 + Cruiser 250	98	186	183	49	26	0	92
KRUGER/ 6097VT3 + Cruiser 250	97	186	175	47	25	0	92
KRUGER/ 6499VT3 + Cruiser 250	99	180	168	48	27	1	95
SEEDS/ 2000 9901VT3 + Poncho 250	99	175	160	49	24	1	82
EPLEY/ E1184VT3 + Cruiser 250	96		201	48	18	0	92
G2/ GEN. 5X-199RR/HXT + Cruiser 250	99		193	47	24	0	90
HOEGEMEYER/ 3113 + Poncho 250	95		193	51	21	0	92
AGSOURCE/ 3T-995VT3 + Cruiser 250	95		192	48	21	0	90
HOEGEMEYER/ HPTXP6589 + Cruiser 250	95		191	47	23	0	94
PROSEED/ 897 + Poncho 250	97		190	50	22	0	92
WENSMAN/ W 7270VT3 + Poncho 250	97		190	48	24	0	94
DEKALB/ DKC50-66(VT3) + Poncho 250	100		187	49	22	1	95
DEKALB/ DKC50-35(VT3) + Poncho 250	100		182	49	26	0	92
PIONEER/ 37K11 + Poncho 250	99		182	47	22	0	91
AGSOURCE/ 3T-799 VT3 + Cruiser 250	99		180	48	27	1	95
NUTECH/ 3T-300 VT3 + Cruiser 250	100		177	48	27	0	93
G2/ GEN. 5H-501 RR/HX + Cruiser 250	100		177	49	26	0	88
G2/ GEN. 5H-999 RR/HX + Cruiser 250	99		175	50	24	0	87
G2/ GEN. 5X-398 RR/HXT + Cruiser 250	95		174	47	26	0	94
NUTECH/ 3T-401 VT3 + Cruiser 250	100		173	50	26	0	91
EPLEY/ E1115GT + Not reported	93		171	51	23	1	88
AGSOURCE/ 3T-096 VT3 + Cruiser 250	95		171	50	24	2	92
KRUGER/ 6200VT3 + Cruiser 250	100		170	50	21	0	89
NUTECH/ 3T-801 VT3 + Poncho 250	100		169	48	32	0	93
EPLEY/ EXP1307HXLLRR + Cruiser 250	100		168	47	28	0	94
HOEGEMEYER/ HPTXP7041 + Cruiser 250	100		165	48	26	0	94
NUTECH/ 3T-600 VT3 + Poncho 250	100		164	48	24	0	78
AGSOURCE/ 5B-198 GTCBLL + Poncho 250	100		161	48	28	0	75
G2/ GEN. 5X-802 RR/HXT + Cruiser 250	100		153	47	25	0	94
NUTECH/ 3T-601 VT3 + Poncho 250	100		151	48	25	0	77
Trial avg.:	98	189	179	49	24	0	90
High avg.:	100	199	201	52	32	2	95
Low avg.:	93	175	151	47	18	0	75
[5] LSD(0.05):		20	18	1	2	NS	4
[6] Min.TPG value:		179	183	51			91
[7] Max.TPG value:					20	2	
[8] Coef. of var.:		5	6	2	5	310	3
No. entries:	38	12	38	38	38	38	38

[1] Entries are listed by Brand/Hybrid and sorted by 2-yr then by 2009 yield average.

* Values in **bold type** within a column are included in the top-performance group.

Note that additional table footnotes are explained in table D.

Table 3b. Bancroft late maturity glyphosate-resistant corn hybrid test results, 2008-09, E. Weerts Farm Inc. Seeded May 21, 2009 at 28,750 seeds per acre.

Brand/Hybrid + Seed Treatment [1]	Rel. Mat. [2]	Yield Averages		Other 2009 Averages			
		2-Yr bu/a	2009 bu/a	Bu.Wt. lb	Grain Moisture Pctg	Lodging Pctg [3]	Final Stand Pctg [4]
WENSMAN/ W 7360VT3 + Poncho 250	103	193	187	48	27	1	88
DEKALB/ DKC52-59(VT3) + Poncho 250	102	190	175	49	25	1	93
PIONEER/ 36V53 + Poncho 250	102	190	174	48	26	0	90
KRUGER/ 6102VT3 + Cruiser 250	102	187	189	47	24	0	90
KRUGER/ 6401VT3 + Cruiser 250	101	186	165	50	29	0	88
KRUGER/ 6606VT3 + Cruiser 250	106	176	161	48	32	1	91
G2/ GEN. 5H-506A RR/HX + Cruiser 250	105	175	149	48	35	0	90
KRUGER/ 6006VT3 + Cruiser 250	106	174	162	50	29	1	91
G2/ GEN. 5H-506 RR/HX + Cruiser 250	105	169	143	48	34	0	85
RENK/ RK670VT3 + Poncho 250	103	168	151	48	31	4	91
NUTECH/ 5B-804 GT/CB/LL + Cruiser 250	104		177	48	28	0	93
RENK/ RK698VT3 + Poncho 250	105		173	50	27	1	87
DEKALB/ DKC51-13(VT3) + Poncho 250	101		169	50	26	1	89
DEKALB/ DKC53-76(VT3) + Poncho 250	103		169	48	31	1	89
KRUGER/ 6205VT3 + Cruiser 250	105		168	46	33	2	94
AGSOURCE/ 3T-904 VT3 + Poncho 250	104		165	48	27	3	84
NUTECH/ 3T-706 VT3 + Poncho 250	105		164	49	32	0	90
PIONEER/ 35F44 + Poncho 250	105		163	49	30	0	92
NUTECH/ 3T-106 VT3 + Poncho 250	105		163	48	35	0	88
NUTECH/ 3T-408 VT3 + Cruiser 250	108		162	48	29	1	95
AGSOURCE/ 3T-603B VT3 + Cruiser 250	103		162	48	27	2	94
DEKALB/ DKC55-07(VT3) + Poncho 250	105		161	48	29	0	79
G2/ GEN. 5H-905 RR/HX + Cruiser 250	105		161	47	32	0	91
NUTECH/ 3T-308 VT3 + Poncho 250	108		156	50	31	0	89
WENSMAN/ W 7455VT3 + Poncho 250	107		151	45	36	0	90
G2/ GEN. 5H-007 RR/HX + Cruiser 250	107		148	47	33	1	83
G2/ GEN. 5X-707 RR/HXT + Cruiser 250	107		148	50	37	0	81
NUTECH/ 3T-603 VT3 + Cruiser 250	103		135	47	28	1	80
AGSOURCE/ 5X-805 RR/HXT + Poncho 250	105		134	47	37	2	88
G2/ GEN. 5H-005 RR/HX + Cruiser 250	105		132	44	34	1	91
Trial avg.:	105	181	161	48	31	1	89
High avg.:	108	193	189	50	37	4	95
Low avg.:	101	168	132	44	24	0	79
[5] LSD(0.05):		NS	21	3	2	NS	5
[6] Min.TPG value:		168	168	47	-	-	90
[7] Max.TPG value:		-	-	-	26	4	-
[8] Coef. of var.:		6	8	3	5	225	3
No. entries:	30	10	30	30	30	30	30

[1] Entries are listed by Brand/Hybrid and sorted by 2-yr then by 2009 yield average.

* Values in **bold type** within a column are included in the top-performance group.

Note that additional table footnotes are explained in table D.

Table 4a. Brookings early maturity glyphosate-resistant corn hybrid test results, 2008-09, Plant Science Farm. Seeded May 7, 2009 at 28,750 seeds per acre.

Brand/Hybrid + Seed Treatment [1]	Rel. Mat. [2]	Yield Averages		Other 2009 Averages			
		2-Yr bu/a	2009 bu/a	Bu. Wt. lb	Grain Moisture Pctg	Lodging Pctg [3]	Final Stand Pctg [4]
HOEGEMEYER/ 3113 + Poncho 250	95	202	223	52	23	0	91
WENSMAN/ W 7267VT3 + Poncho 250	97	202	222	48	24	0	92
KRUGER/ 6298VT3 + Cruiser 250	98	201	233	51	23	0	97
DEKALB/ DKC46-60(VT3) + Poncho 250	96	197	219	50	22	0	96
DEKALB/ DKC50-44(VT3) + Poncho 250	100	197	219	52	23	0	95
SEEDS/ 2000 9901VT3 + Poncho 250	99	197	219	52	21	0	91
KRUGER/ 6499VT3 + Cruiser 250	99	197	211	50	24	0	97
KRUGER/ 6097VT3 + Cruiser 250	97	196	224	49	20	2	97
NC+/ 1775VT3 + Cruiser 250	97	195	216	49	24	1	96
DEKALB/ DKC43-27(VT3) + Poncho 250	93	195	213	50	20	1	94
NC+/ 1982VT3 + Cruiser 250	99	193	217	47	24	1	96
NUTECH/ 3T-098 VT3 + Cruiser 250	98	191	218	49	23	0	97
G2/ GEN. 5H-501 RR/HX + Cruiser 250	100		245	49	24	0	95
NUTECH/ 3T-401 VT3 + Cruiser 250	100		243	52	24	0	94
KRUGER/ 6200VT3 + Cruiser 250	100		240	52	21	0	95
DEKALB/ DKC50-66(VT3) + Poncho 250	100		238	53	21	0	98
G2/ GEN. 5X-199RR/HXT + Cruiser 250	99		237	50	24	0	94
NUTECH/ 3T-601 VT3 + Poncho 250	100		233	50	23	0	95
WENSMAN/ W 7270VT3 + Poncho 250	97		226	52	23	0	96
DAIRYLAND/ ST-9597Q + Cruiser 250	97		225	51	23	0	91
G2/ GEN. 5H-999 RR/HX + Cruiser 250	99		223	50	23	0	94
AGSOURCE/ 5B-198 GTCBLL + Poncho 250	100		223	49	25	0	87
DAIRYLAND/ ST-9500Q + Cruiser 250	99		221	50	25	0	91
PROSEED/ 897 + Poncho 250	97		220	52	24	0	98
KALTENBERG/ K4053VT3 + Poncho 250	97		215	51	24	1	92
EPLEY/ E1184VT3 + Cruiser 250	96		214	51	20	0	90
EPLEY/ EXP1307HXLLRR + Cruiser 250	100		212	49	25	1	95
NUTECH/ 3T-600 VT3 + Poncho 250	100		211	49	24	0	89
KALTENBERG/ K4149LLGT3 + Cruiser 250	98		211	50	26	0	92
EPLEY/ E1115GT + Not reported	93		210	49	21	0	95
NUTECH/ 3T-300 VT3 + Cruiser 250	100		209	49	24	0	92
HOEGEMEYER/ HPT 6962 + Cruiser 250	100		209	49	22	1	85
G2/ GEN. 5X-802 RR/HXT + Cruiser 250	100		206	48	25	0	98
AGSOURCE/ 3T-799 VT3 + Cruiser 250	99		205	48	24	0	92
KALTENBERG/ K4521LLRRHXT + Poncho 250	100		203	50	25	3	84
NUTECH/ 3T-801 VT3 + Poncho 250	100		201	46	28	0	90
G2/ GEN. 5X-398 RR/HXT + Cruiser 250	95		200	50	21	1	95
PROSEED/ 8100 + Poncho 250	100		189	49	22	1	80
Trial avg.:	98	197	219	50	23	0	93
High avg.:	100	202	245	53	28	3	98
Low avg.:	93	191	189	46	20	0	80
[5] LSD(0.05):	38	NS	11	2	2	2	4
[6] Min.TPG value:		191	234	51		2	94
[7] Max.TPG value:					22	2	
[8] Coef. of var.:		4	3	2	4	307	2
No. entries:		12	38	38	38	38	38

[1] Entries are listed by Brand/Hybrid and sorted by 2-yr then by 2009 yield average.
 * Values in **bold type** within a column are included in the top-performance group.
 Note that additional table footnotes are explained in table D.

**Table 4b. Brookings late maturity glyphosate-resistant corn hybrid test results, 2008-09, Plant Science Farm.
Seeded 7 May 2009 at 28,750 seeds per acre.**

Brand/Hybrid + Seed Treatment [1]	Rel. Mat. [2]	Yield Averages		Other 2009 Averages			
		2-Yr bu/a	2009 bu/a	Bu.Wt. lb	Grain Moisture Pctg	Lodging Pctg [3]	Final Stand Pctg [4]
DEKALB/ DKC52-59(VT3) + Poncho 250	102	211	241	49	23	0	94
KRUGER/ 6401VT3 + Cruiser 250	101	209	235	51	23	0	95
PIONEER/ 36V53 + Poncho 250	102	207	225	50	24	0	96
WENSMAN/ W 7360VT3 + Poncho 250	103	206	233	48	27	0	94
RENK/ RK670VT3 + Poncho 250	103	203	228	44	28	0	96
G2/ GEN. 5H-506 RR/HX + Cruiser 250	105	203	212	46	30	0	90
KRUGER/ 6102VT3 + Cruiser 250	102	200	230	53	24	0	96
G2/ GEN. 5H-506A RR/HX + Cruiser 250	105	200	208	48	30	0	88
KRUGER/ 6606VT3 + Cruiser 250	106	197	221	49	27	0	92
DAIRYLAND/ ST-9003 + Poncho 250	103	194	209	47	30	1	92
KRUGER/ 6006VT3 + Cruiser 250	106	183	220	46	29	0	96
HEINE/ 744RRYGCB + Poncho 250	104		243	50	23	0	96
HEINE/ 742VT3 + Poncho 250	104		241	52	24	0	92
RENK/ RK698VT3 + Poncho 250	105		240	51	25	0	97
NUTECH/ 3T-706 VT3 + Poncho 250	105		238	47	28	0	93
NUTECH/ 5B-804 GT/CB/LL + Cruiser 250	104		234	48	23	0	94
DEKALB/ DKC53-76(VT3) + Poncho 250	103		232	49	28	1	94
G2/ GEN. 5H-905 RR/HX + Cruiser 250	105		230	47	29	0	92
KRUGER/ 6205VT3 + Cruiser 250	105		230	48	29	0	95
AGSOURCE/ 3T-904 VT3 + Poncho 250	104		230	47	24	0	89
PIONEER/ 35F44 + Poncho 250	105		228	50	26	0	95
WENSMAN/ W 7455VT3 + Poncho 250	107		228	46	31	0	96
NUTECH/ 3T-408 VT3 + Cruiser 250	108		227	48	27	0	95
HEINE/ 745VT3 + Poncho 250	104		227	51	22	0	94
HEINE/ 727VT3 + Poncho 250	102		225	49	27	0	94
DEKALB/ DKC51-13(VT3) + Poncho 250	101		223	47	25	0	96
G2/ GEN. 5X-707 RR/HXT + Cruiser 250	107		220	46	34	0	93
DAIRYLAND/ ST-9703Q + Cruiser 250	103		219	49	26	0	93
NUTECH/ 3T-106 VT3 + Poncho 250	105		219	47	29	0	94
RENK/ RK760VT3 + Poncho 250	106		219	48	28	0	87
PIONEER/ 37N68 + Poncho 250	101		217	49	25	0	96
HEINE/ 753VT3 + Poncho 250	104		213	49	28	0	92
NUTECH/ 3T-603 VT3 + Cruiser 250	103		210	49	24	0	94
NUTECH/ 3T-308 VT3 + Poncho 250	108		210	48	29	0	91
AGSOURCE/ 3T-603B VT3 + Cruiser 250	103		210	48	24	2	99
AGSOURCE/ 5X-805 RR/HXT + Poncho 250	105		207	47	29	1	94
G2/ GEN. 5H-007 RR/HX + Cruiser 250	107		201	45	27	0	79
G2/ GEN. 5H-005 RR/HX + Cruiser 250	105		175	45	36	1	88
Trial avg.:	104	201	223	48	27	0	93
High avg.:	108	211	243	53	36	2	99
Low avg.:	101	183	175	44	22	0	79
[5] LSD(0.05):		NS	12	2	2	NS	4
[6] Min.TPG value:		183	231	51		..	95
[7] Max.TPG value:					24	2	
[8] Coef. of var.:		4	4	2	4	417	2
No. entries:	38	11	38	38	38	38	38

[1] Entries are listed by Brand/Hybrid and sorted by 2-yr then by 2009 yield average.

* Values in **bold type** within a column are included in the top-performance group.

Note that additional table footnotes are explained in table D.

Table 5a. Geddes early maturity glyphosate-resistant corn hybrid test results, 2008-09, Curtis Sybesma Farm. Seeded May 14, 2009 at 28,750 seeds per acre.

Brand/Hybrid + Seed Treatment [1]	Rel. Mat. [2]	Yield Averages		Other 2009 Averages			
		2-Yr bu/a	2009 bu/a	Bu.Wt. lb	Grain Moisture Pctg	Lodging Pctg [3]	Final Stand Pctg [4]
PIONEER/ 36V53 + Poncho 250	102	221	247	55	15	0	96
WENSMAN/ W 7433VT3 + Poncho 250	105	219	242	56	17	1	94
DEKALB/ DKC52-59(VT3) + Poncho 250	102	219	241	54	16	0	96
KRUGER/ 6401VT3 + Cruiser 250	101	216	243	56	16	1	95
WENSMAN/ W 7360VT3 + Poncho 250	103	215	243	56	16	0	96
NC+/ 1982VT3 + Cruiser 250	99	213	235	54	15	1	93
KRUGER/ 6102VT3 + Cruiser 250	102	211	240	56	17	0	94
G2/ GEN. 5H-506A RR/HX + Cruiser 250	105	211	230	52	18	1	93
G2/ GEN. 5H-506 RR/HX + Cruiser 250	105	211	226	52	21	1	89
DEKALB/ DKC50-44(VT3) + Poncho 250	100	210	221	53	16	0	91
NC+/ 1775VT3 + Cruiser 250	97	208	230	54	16	0	93
KALTENBERG/ K5163VT3 + Poncho 250	103	200	212	51	18	0	95
HOEGEMEYER/ HPT 7757 + Cruiser 250	105	200	205	54	19	1	90
DEKALB/ DKC43-27(VT3) + Poncho 250	93	199	230	56	16	0	92
NUTECH/ 3T-401VT3 + Cruiser 250	100		247	55	16	1	97
G2/ GEN. 5H-905 RR/HX + Cruiser 250	105		246	52	15	0	94
HOEGEMEYER/ 7421 + Cruiser 250	104		243	55	18	0	92
DEKALB/ DKC50-35(VT3) + Poncho 250	100		242	55	16	0	97
G2/ GEN. 5H-501 RR/HX + Cruiser 250	100		242	55	16	0	91
DEKALB/ DKC50-66(VT3) + Poncho 250	100		240	57	15	0	93
PROSEED/ 9102 + Poncho 250	102		239	55	17	1	95
KRUGER/ 6205VT3 + Cruiser 250	105		236	52	15	0	95
RENK/ RK670VT3 + Poncho 250	103		235	52	17	0	96
DEKALB/ DKC51-13(VT3) + Poncho 250	101		234	56	16	1	93
NUTECH/ 3T-706 VT3 + Poncho 250	105		233	54	17	1	92
NUTECH/ 5B-804 GT/CB/LL + Cruiser 250	104		232	55	17	0	94
HOEGEMEYER/ 7445 + Poncho 250	103		232	54	18	0	94
KRUGER/ 6200VT3 + Cruiser 250	100		231	55	15	0	89
KALTENBERG/ K5332GT + Poncho 250	104		230	56	16	0	90
KALTENBERG/ 5355LLGTB11 + Poncho 250	104		230	52	16	0	96
AGSOURCE/ 3T-904 VT3 + Poncho 250	104		229	51	15	1	91
NUTECH/ 3T-106 VT3 + Poncho 250	105		226	52	16	1	94
G2/ GEN. 5H-005 RR/HX + Cruiser 250	105		226	51	19	0	91
AGSOURCE/ 3T-603B VT3 + Cruiser 250	103		226	53	17	1	96
NUTECH/ 3T-801 VT3 + Poncho 250	100		225	52	16	0	89
RENK/ RK698VT3 + Poncho 250	105		224	55	17	0	87
NUTECH/ 3T-603 VT3 + Cruiser 250	103		223	54	15	1	90
PROSEED/ 8101VT3 + Poncho 250	101		221	53	17	0	94
G2/ GEN. 5X-802 RR/HXT + Cruiser 250	100		221	51	17	0	92
PROSEED/ 9105 + Poncho 250	105		220	53	16	0	90
PIONEER/ 35F44 + Poncho 250	105		219	54	16	0	94
DEKALB/ DKC53-76(VT3) + Poncho 250	103		217	55	17	2	91
DEKALB/ DKC55-07(VT3) + Poncho 250	105		215	55	19	0	90
AGSOURCE/ 3T-302 VT3 + Cruiser 250	102		212	54	15	1	91
HOEGEMEYER/ HPTXP7408 + Cruiser 250	104		211	51	18	0	90
KALTENBERG/ 5588LLRRHXT + Poncho 250	105		205	50	17	0	93
AGSOURCE/ 5X-805 RR/HXT + Poncho 250	105		195	51	19	1	92
Trial avg.:	103	211	229	54	17	0	93
High avg.:	105	221	247	57	21	2	97
Low avg.:	93	199	195	50	15	0	87
[5] LSD(0.05):		NS	19	2	1	NS	4
[6] Min.TPG value:		199	228	55			93
[7] Max.TPG value:					16	2	
[8] Coef. of var.:		4	5	2	5	276	3
No. entries:	47	14	47	47	47	47	47

[1] Entries are listed by Brand/Hybrid and sorted by 2-yr then by 2008 yield average.

*Values in **bold type** within a column are included in the top-performance group.

Note that additional table footnotes are explained in table D.

Table 5b. Geddes late maturity glyphosate-resistant corn hybrid test results, 2008-09, Curtis Sybesma Farm. Seeded May 14, 2009 at 28,750 seeds per acre.

Brand/Hybrid + Seed Treatment [1]	Rel. Mat. [2]	Yield Averages		Other 2009 Averages			
		2-Yr bu/a	2009 bu/a	Bu.Wt. lb	Grain Moisture Pctg	Lodging Pctg [3]	Final Stand Pctg [4]
DEKALB/ DKC58-16(VT3) + Poncho 250	108	214	226	52	20	0	92
KRUGER/ 6606VT3 + Cruiser 250	106	214	218	54	18	1	91
KRUGER/ 6006VT3 + Cruiser 250	106	210	226	55	20	0	92
WENSMAN/ W 7455VT3 + Poncho 250	107	210	220	50	20	0	89
WENSMAN/ W 7469VT3 + Poncho 250	109	207	217	49	20	0	93
DEKALB/ DKC61-69(VT3) + Poncho 250	111	207	214	50	21	0	88
KRUGER/ 6208VT3 + Cruiser 250	108	204	209	54	22	0	94
RENK/ RK822VT3 + Poncho 250	110	200	209	54	21	0	97
KRUGER/ 6410VT3 + Cruiser 250	110		234	51	20	1	91
G2/ GEN. 5H-210 RR/HX + Cruiser 250	110		231	51	18	2	95
KRUGER/ 6010VT3 + Cruiser 250	110		231	50	21	1	91
NC+/ 208-72VT3 + Cruiser 250	108		225	52	19	0	93
G2/ GEN. 5H-511 RR/HX + Cruiser 250	110		224	54	19	0	87
NUTECH/ 3T-408 VT3 + Cruiser 250	108		222	53	20	0	99
RENK/ RK744VT3 + Poncho 250	107		222	54	17	0	86
G2/ GEN. 5H-511A RR/HX + Cruiser 250	111		222	54	21	2	89
G2/ GEN. 5H-007 RR/HX + Cruiser 250	107		219	52	17	1	87
NC+/ 4582VT3 + Cruiser 250	110		218	52	20	0	95
NC+/ 210-57VT3 + Cruiser 250	110		218	52	21	1	91
NUTECH/ 3T-308 VT3 + Poncho 250	108		217	54	20	1	91
RENK/ RK711RRHXTRA + Poncho 250	107		217	52	16	0	94
RENK/ RK760VT3 + Poncho 250	106		216	53	19	1	88
G2/ GEN. 5X-911 RR/HXT + Cruiser 250	110		216	54	19	0	94
NUTECH/ 5N-909 GTCBLLRW + Cruiser 250	109		211	50	19	1	89
G2/ GEN. 5X-210 RR/HXT + Cruiser 250	110		211	51	20	0	93
DEKALB/ DKC59-64(VT3) + Poncho 250	109		208	49	23	1	92
KRUGER/ 6408VT3 + Cruiser 250	108		205	53	19	0	82
NUTECH/ 3T-409 VT3 + Cruiser 250	109		204	52	22	0	89
NUTECH/ 3T-512 VT3 + Poncho 250	110		193	52	25	0	93
NUTECH/ 3T-110 VT3 + Cruiser 250	110		185	48	24	1	92
Trial avg.:	109	208	216	52	20	0	91
High avg.:	111	214	234	55	25	2	99
Low avg.:	106	200	185	48	16	0	82
[5] LSD(0.05):		NS	18	2	2	NS	4
[6] Min.TPG value:		200	216	53	-	-	95
[7] Max.TPG value:		-	-	-	18	2	-
[8] Coef. of var.:		6	5	2	6	237	3
No. entries:	30	8	30	30	30	30	30

[1] Entries are listed by Brand/Hybrid and sorted by 2-yr then by 2009 yield average.

* Values in **boldtype** within a column are included in the top-performance group.

Note that additional table footnotes are explained in table D.

Table 6a. Beresford early maturity glyphosate-resistant corn hybrid test results, 2008-09, Southeast Experiment Station. Seeded May 19, 2009 at 28,750 seeds per acre.

Brand/Hybrid + Seed Treatment [1]	Rel. Mat. [2]	Yield Averages		Other 2009 Averages			
		2-Yr bu/a	2009 bu/a	Bu.Wt. lb	Grain Moisture Pctg	Lodging Pctg [3]	Final Stand Pctg [4]
NC+/ 4582VT3 + Cruiser 250	110	239	245	53	27	1	98
KALTENBERG/ K6663VT3 + Poncho 250	110	233	247	51	25	0	93
WENSMAN/ W 7455VT3 + Poncho 250	107	231	240	51	26	4	92
DAIRYLAND/ ST-9006 + Poncho 250	106	227	250	54	23	0	96
WENSMAN/ W 7469VT3 + Poncho 250	109	222	235	49	26	0	94
FOUR/ STAR 6844VT3 + Cruiser 250	108	221	231	50	24	4	85
DEKALB/ DKC52-59(VT3) + Poncho 250	102	220	232	53	18	1	96
KRUGER/ 6208VT3 + Cruiser 250	108	217	240	51	25	3	94
RENK/ RK822VT3 + Poncho 250	110	214	228	52	25	1	97
DEKALB/ DKC57-50(VT3) + Poncho 250	107		253	50	24	0	96
KRUGER/ 6408VT3 + Cruiser 250	108		252	54	24	0	91
NC+/ 210-57VT3 + Cruiser 250	110		249	51	25	0	96
G2/ GEN. 5H-511 RR/HX + Cruiser 250	110		248	53	25	0	94
KRUGER/ 6410VT3 + Cruiser 250	110		248	53	25	0	92
DEKALB/ DKC59-64(VT3) + Poncho 250	109		247	52	26	1	96
RENK/ RK744VT3 + Poncho 250	107		247	51	23	0	92
KRUGER/ 6010VT3 + Cruiser 250	110		246	49	26	1	92
DAIRYLAND/ ST-9810 + Poncho 250	110		245	53	25	0	93
FOUR/ STAR EXP9072VT3 + Cruiser 250	110		244	51	26	0	93
NUTECH/ 3T-308 VT3 + Poncho 250	108		243	52	24	0	94
KALTENBERG/ K6645LLGT3 + Poncho 250	110		243	50	24	1	90
NUTECH/ 3T-408 VT3 + Cruiser 250	108		242	53	25	0	97
RENK/ RK711RRHXTRA + Poncho 250	107		241	51	24	0	93
RENK/ RK698VT3 + Poncho 250	105		239	54	21	0	88
NC+/ 208-72VT3 + Cruiser 250	108		238	51	24	0	91
DEKALB/ DKC53-76(VT3) + Poncho 250	103		237	54	22	0	94
NUTECH/ 5N-909 GTCBLLRW + Cruiser 250	109		237	51	24	1	92
NUTECH/ 3T-512 VT3 + Poncho 250	110		236	52	26	0	93
G2/ GEN. 5H-210 RR/HX + Cruiser 250	110		236	52	24	0	96
PROSEED/ 9105 + Poncho 250	105		235	53	19	0	88
NUTECH/ 3T-106 VT3 + Poncho 250	105		234	51	23	0	93
NUTECH/ 3T-110 VT3 + Cruiser 250	110		234	50	27	1	92
PROSEED/ 9102 + Poncho 250	102		233	52	21	2	95
PIONEER/ 35F44 + Poncho 250	105		233	53	21	0	95
G2/ GEN. 5X-711 RR/HXT + Cruiser 250	110		233	54	25	0	93
DAIRYLAND/ ST9206Q + Cruiser 250	106		232	51	24	0	97
G2/ GEN. 5X-210 RR/HXT + Cruiser 250	110		230	50	26	0	92
FOUR/ STAR EXP6066VT3 + Cruiser 250	110		229	50	29	0	90
DEKALB/ DKC55-07(VT3) + Poncho 250	105		227	55	24	1	93
G2/ GEN. 5H-007 RR/HX + Cruiser 250	107		226	50	23	0	87
G2/ GEN. 5X-911 RR/HXT + Cruiser 250	110		226	52	24	0	87
RENK/ RK670VT3 + Poncho 250	103		225	52	21	1	96
RENK/ RK760VT3 + Poncho 250	106		225	52	23	1	93
HOEGEMEYER/ HPT 7757 + Cruiser 250	105		220	54	24	0	92
PROSEED/ 8101VT3 + Poncho 250	101		218	53	20	2	93
PROSEED/ 8104 + Poncho 250	104		218	54	21	1	78
FOUR/ STAR EXP9056VT3 + Poncho 250	108		217	54	26	1	93
Trial avg.:	107	225	236	52	24	1	93
High avg.:	110	239	253	55	29	4	98
Low avg.:	101	214	217	49	18	0	78
[5] LSD(0.05):		NS	14	2	1	2	5
[6] Min.TPG value:		214	239	53			93
[7] Max.TPG value:					19	2	
[8] Coef. of var.:		5	4	3	4	284	3
No. entries:	47	9	47	47	47	47	47

[1] Entries are listed by Brand/Hybrid and sorted by 2-yr then by 2009 yield average.
* Values in **bold type** within a column are included in the top-performance group.
Note that additional table footnotes are explained in table D.

Table 6b. Beresford late maturity glyphosate-resistant corn hybrid test results, 2008-09, Southeast Experiment Station. Seeded May 19, 2009 at 28,750 seeds per acre.

Brand/Hybrid + Seed Treatment [1]	Rel. Mat. [2]	Yield Averages		Other 2009 Averages			
		2-Yr bu/a	2009 bu/a	Bu.Wt. lb	Grain Moisture Pctg	Lodging Pctg [3]	Final Stand Pctg [4]
KRUGER/ 6411VT3 + Cruiser 250	111	229	243	51	24	0	91
KRUGER/ 6213VT3 + Cruiser 250	113	225	243	52	27	2	93
DEKALB/ DKC61-69(VT3) + Poncho 250	111	223	231	51	26	0	95
DEKALB/ DKC62-54(VT3) + Poncho 250	112		249	53	25	1	95
NUTECH/ 3T-413 VT3 + Cruiser 250	113		246	52	28	0	95
G2/ GEN. 5H-511A RR/HX + Cruiser 250	111		242	53	25	0	92
KRUGER/ 6214VT3 + Cruiser 250	114		240	51	27	1	92
NC+/ 4517VT3 + Cruiser 250	113		240	52	26	1	94
AGSOURCE/ 3T-712 VT3 + Poncho 250	112		237	53	29	0	96
KRUGER/ 6116VT3 + Cruiser 250	116		236	52	28	1	93
G2/ GEN. 5X-911A RR/HXT + Cruiser 250	111		235	53	24	0	92
NUTECH/ 3T-713 VT3 + Poncho 250	113		234	50	29	1	93
NUTECH/ 3T-313 VT3 + Cruiser 250	113		233	54	26	0	91
KRUGER/ 6013VT3 + Cruiser 250	113		233	51	29	3	94
G2/ GEN. 5X-711A RR/HXT + Cruiser 250	112		232	53	25	0	95
NUTECH/ 3T-612 VT3 + Poncho 250	112		230	55	28	0	90
KRUGER/ 6412VT3 + Cruiser 250	112		228	52	27	0	95
NUTECH/ 3T-512A VT3 + Poncho 250	111		226	52	28	0	95
RENK/ EXP8-809VT3 + Poncho 250	111		226	52	28	1	93
G2/ GEN. 5H-314 RR/HX + Cruiser 250	114		224	52	28	0	92
G2/ GEN. 5X-513 RR/HXT + Cruiser 250	114		220	51	28	1	94
RENK/ EXP7-816VT3 + Poncho 250	112		212	53	25	1	93
PIONEER/ 33Z74 + Poncho 250	113		199	51	27	1	91
Trial avg.:	112	225	232	52	27	1	93
High avg.:	116	229	249	55	29	3	96
Low avg.:	111	223	199	50	24	0	90
[5] LSD(0.05):		NS	14	2	1	NS	NS
[6] Min.TPG value:		223	235	53			90
[7] Max.TPG value:					25	3	
[8] Coef. of var.:		5	4	2	3	213	3
No. entries:	23	3	23	23	23	23	23

[1] Entries are listed by Brand/Hybrid and sorted by 2-yr then by 2009 yield average.

* Values in **bold type** within a column are included in the top-performance group.

Note that additional table footnotes are explained in table D.