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# 2012 Corn Performance Tests in Texas

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

# 2012 CORN PERFORMANCE TESTS IN TEXAS

Dennis Pietsch, Orry Arthur, Katrina Horn, Ronnie Schnell, and Seth Murray

## INTRODUCTION

Despite a continuing lack of rainfall in the state, corn remains a major commodity in Texas. It is estimated by the National Agricultural Statistics Service that Texas farmers will harvest 1.58 million acres of corn in 2012 compared to the 2011 harvested acreage of 1.47 million acres (1). The 2011 crop year will be remembered as one where drought conditions persisted throughout Texas, causing both irrigated and non-irrigated acreage to be abandoned and not harvested. It is however estimated that Texas yield will increase from 93 bu/A in 2011 to 150 bu/A in 2012.

With water quickly becoming a precious resource in Texas, most water districts have now implemented policies limiting the use of water, especially on crops grown under full irrigation. Because of strict monitoring by some water districts, farmers are now faced with the critical decision of selecting hybrids that can best perform under potentially stressful conditions.

This year, six irrigated and five non-irrigated test sites were planted in the major production areas of Texas. These performance tests give farmers the opportunity to assess hybrids and assist them in determining which hybrids are adapted for their area. Approximate locations of the 2012 test sites are shown in Figure 2. Irrigated tests are designated with an (I) and non-irrigated or rain-fed sites with a (NI).

## CORN PERFORMANCE TESTING IN TEXAS

Corn hybrids are evaluated annually for field performance at locations representative of major Texas corn production areas (Figures 1& 2). This program is conducted by personnel from the Crop Testing Program, Texas A&M AgriLife Research, Texas A&M University, College Station, Texas under CRIS Project 1418; and is financed by fees from participating commercial seed companies (Table 1). A committee of representatives from the seed industry, Texas A&M AgriLife Extension, Texas A&M AgriLife Research, corn and grain sorghum commodity chairmen, and Texas Seed Trade representatives designate all locations annually. Test sites are on privately owned farms or at Texas A&M University AgriLife Research Centers. Commercial seed companies use the State Testing Program to determine the performance of their material at several locations under different and changing environmental conditions.

Ranking order based on grain yield of a hybrid at a given location does not imply that it is recommended for that area. Data contained in this publication is a measure of relative performance of corn hybrids planted during a particular season at the locations shown.

Commercial seed companies also have the opportunity to enter a corn supplemental test. The test is planted either behind or adjacent to the performance test. Companies can have experimental hybrids evaluated at a reduced entry fee rate. Data is to be used for “in-house” purposes only and not to be published.

## ENTRIES AND REPORTS

Official entry forms are sent in January to everyone who has expressed an interest in the Texas corn performance testing program, as well as posted on our website. The forms include the necessary information to make entries in any or all of the locations to be planted. There are no restrictions on the number of hybrids a company may enter, and experimental materials are accepted. Hybrids are entered on a fee basis under their brand name or number designation (Table 1). In addition, commercial and standard check hybrids are entered at the discretion of the Crop Testing Program at selected locations. Commercial checks are hybrids commonly grown in a respective area that are not already entered in the test and designated as "CHECK". After the test plantings are established, each participant receives directions and planting plan information for observation of the test block during the growing season.

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


| | |
|---|---|
| **Website:** | **http://varietytesting.tamu.edu/corn** |
| **Phone:** | **(979) 845-8505** |
| **E-mail:** | **dpietsch@ag.tamu.edu** |

## FIELD-PLOT TECHNIQUES

Seeds for each hybrid were packaged to obtain a final plant population that was recommended for a respective area. Seeds were distributed by a cone planter at all sites.

Cultural and agronomic practices adapted for general use in the area were used as determined by the cooperator. Field data was recorded at the appropriate times and other data collected at harvest. All locations were harvested with a JD 3300 plot combine equipped with the Harvestmaster Grain Gauge which measured plot weight, test weight, and grain moisture.

## DATA

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

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

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

**Type GE**--type of genetically enhanced traits submitted by companies.

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

**Plant Height**--number of inches from ground to top of tassel.

**Ear Height**--number of inches from ground to base of ear.

**Grain Moisture**--determined at harvest with electronic equipment mounted on plot combine. Moisture expressed in %.

**Plant Population**--expressed as plants per acre. Calculated from number of plants in harvested plot x acre conversion factor.

**Percent Erect Plants**--percentage of plants in the harvest area from all replications that are not lodged or broken below the ear. These counts were made at time of harvest.

**Test Weight**--determined at harvest with electronic equipment mounted on plot combine. May or may not be presented at all test sites. Expressed as lb/bu.

**Yield**--determined by the following method: mean plot weight (in pounds) x acre conversion factor x (100 - mean moisture/100 - 15.5)/56. Yield is expressed in bushels per acre (bu/A). Yields are corrected to 15.5% moisture.

**LSD--**Least Significant Difference. A statistical parameter that measures the minimum difference between two entries to be considered statistically different. When two entries are compared and the difference between them is greater than the LSD, then the entries are judged to be significantly different at the 5% level.

**CV**--Coefficient of Variation. A statistical parameter used to estimate the degree of confidence one may have in published data from replicated tests. C.V.'s below 15% generally indicate reliable, uniform data whereas C.V.'s over 15% indicate a lack of precision, but the data may be useful for comparison

## RESULTS

This year, eleven performance locations were planted in the major corn production areas, but results obtained for only nine sites. The rain-fed site at San Patricio County was abandoned due to a miscommunication regarding a herbicide application. Results from the Dalhart location were not published due to a high C.V. (31%). The season started with a limited soil moisture profile due to lack of moisture during the fall and winter months. Just as in 2011, very hot temperatures and no rainfall persisted during the silk stage. The pivot irrigation system could not keep up with the plant demands for water. As a result of severe moisture stress, some plants had very small ears and some plants were barren. Lodging was a problem in the test and some plots had no stalk strength. This site was not an accurate reflection of yield potential in this area.

Outstanding yields were attained at Monte Alto, Wharton, College Station, Bardwell, and Farmersville.

Comments regarding each site are presented with the agronomic data.

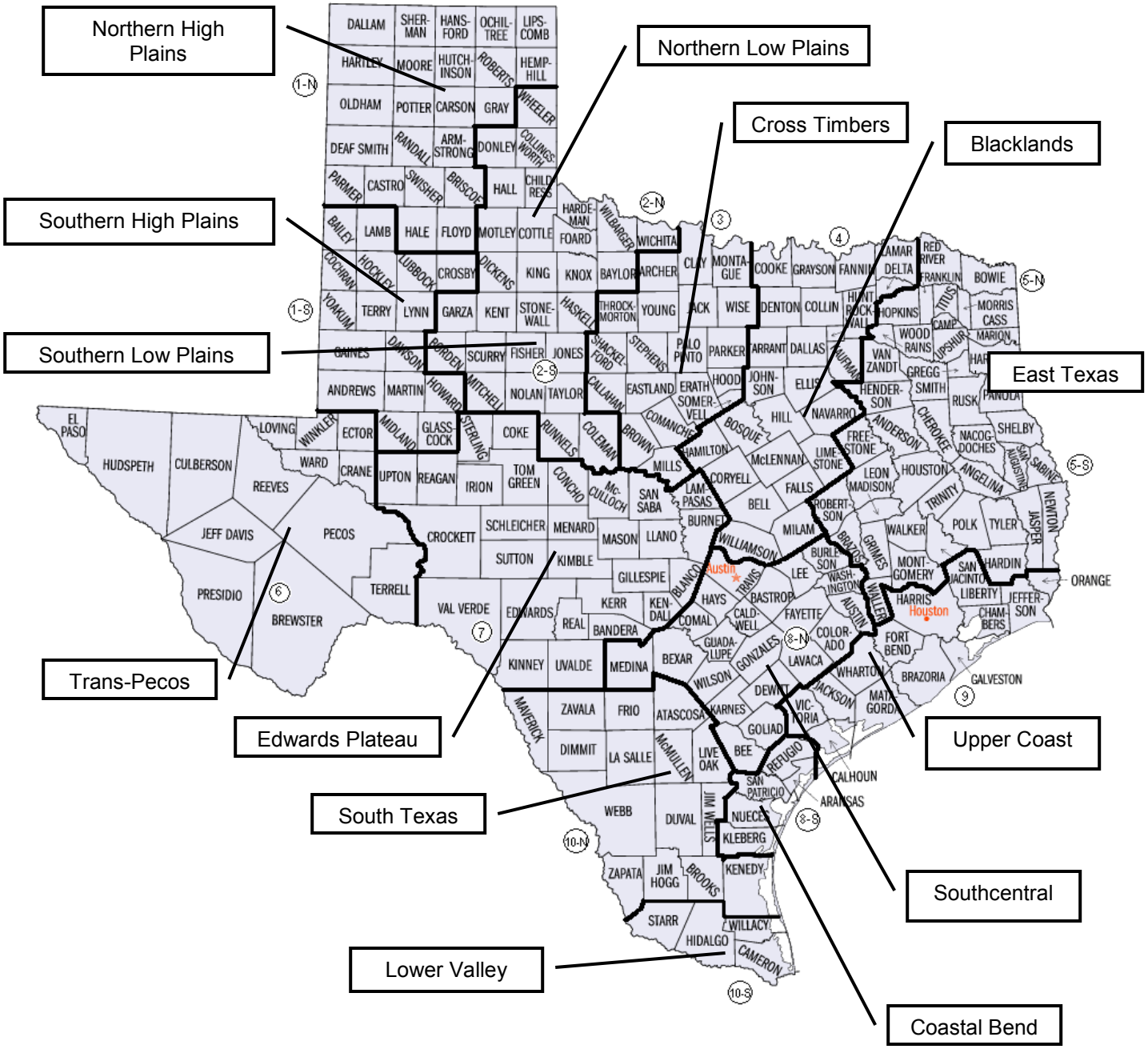
Results of the performance test locations are presented as follows:

1. Tables 2-10 summarize agronomic and test data information. Comments about the test follow the tables.

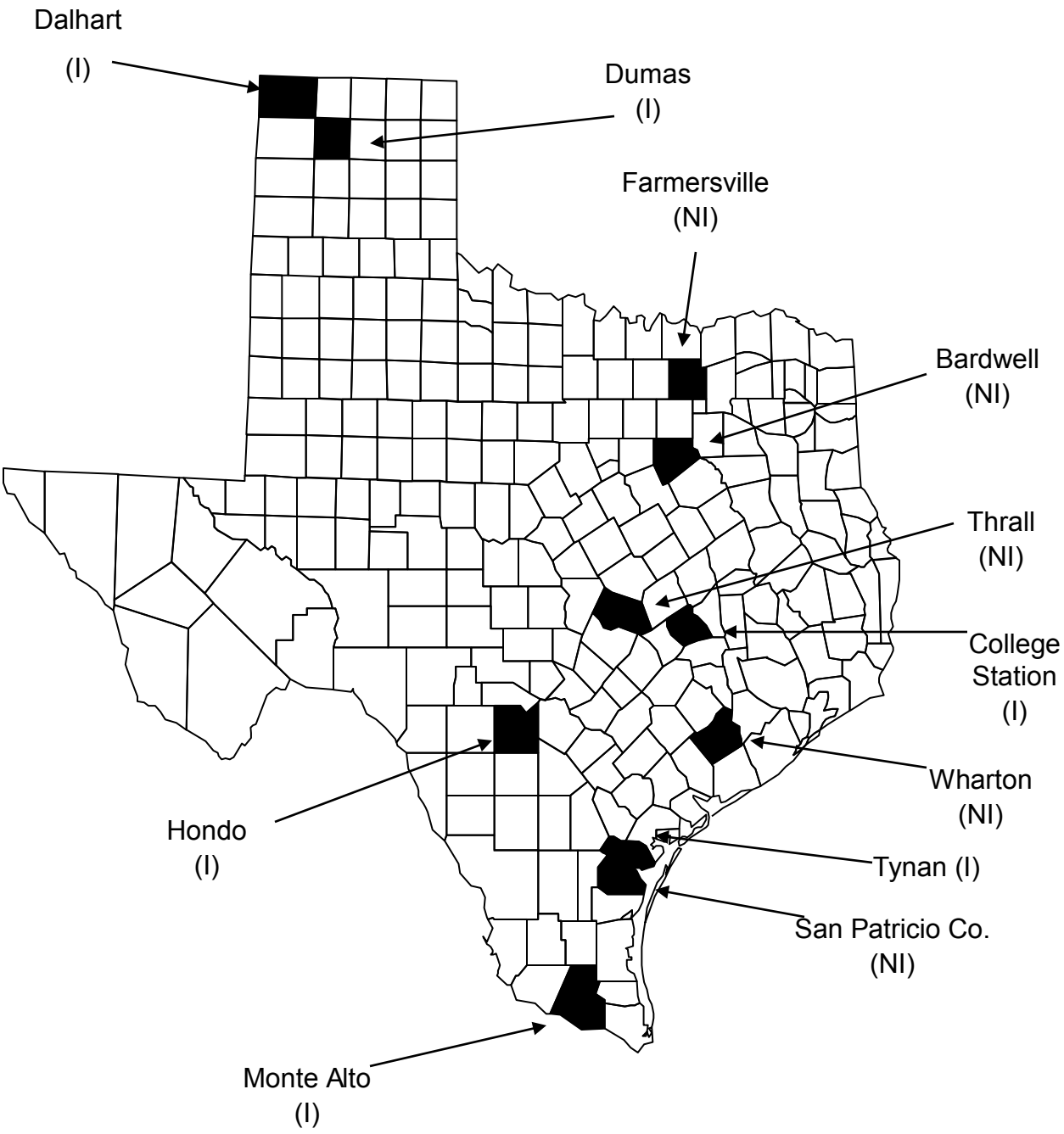
2. Tables 2A-10A show performance test information from the respective locations. Some hybrids were in the experimental stage and seed was not available in quantities for farm planting. These hybrids were designated by an experimental number. Individuals may contact seed companies in Table 1 for the availability of planting seed for a particular hybrid.

3. Tables 2B-10B are summaries of hybrids showing yields and ranks at respective locations for the past 3-year period. These summaries are helpful in the selection of hybrids for a particular area. Hybrids not entered for a respective year are designated with a (--). Hybrids with the same yields were ranked by the computer.

## Figure 1. Texas Crop Reporting Districts, 2012 (1).



# Figure 2. 2012 Corn Test Locations In Texas




I = Irrigated
NI = Non Irrigated

Table 1. Name, address, and hybrid designation for participants in the 2012 Texas Corn Performance Test.

| Company | Hybrid | Monte Alto | San Patricio | Tynan | Wharton | Hondo | College Station | Thrall | Bardwell | Farmersville | Dumas | Dalhart |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Armor Seeds | Armor 1161 PRO2 | | | | | | | | | | X | X |
| P.O. Box 9 | Armor 1262 PRO2 | | | | | | | | | | X | X |
| Waldenburg, AR 72475 | Armor 1415 PRO3 | | | | | | | | | | X | X |
| (870) 579-2286 | Armor 1133PRO3 | | | | | | | | | | X | X |
| scottieblanchard@armorseed.com | Armor AXC2114PRO3 | | | | | | | | | | X | X |
| | Armor 1550 PRO3 | | | | | | | | | | X | X |
| | Armor 1770 PRO3 | | | | | | | | | | X | X |
| | Armor AXC2118APRO3 | | | | | | | | | | X | X |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| B-H Genetics | BH 8570 VTTP | | | | | | | | | X | | |
| 5933 FM 1157 | BH 8492 SS | | | | | | | | | X | | |
| Ganado, TX 77962 | X11140VT3P | | | | | | | | | X | | |
| (832) 344-6389 | BH 8740 VTTP | | | | | | | | | X | | |
| keith@bhgenetics.com | BH 8630 VTTP | | | | | | | | | X | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Golden Acres Genetics | GA G5531 | | X | X | X | X | X | X | X | X | X | X |
| P.O. Box 579 | GA 28V81 | | X | X | X | X | X | | X | X | X | X |
| Buchanan Dam, TX 78609 | GA 27V01 | | | X | | | X | X | X | | | |
| (512) 793-5205 | GA 26V21 | | X | | X | | | | X | X | | |
| aggie.allison@gmail.com | GA G1518 | | | | | | | | | | X | X |
| | GA G2506 | | | | | | | | | | | X |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Monsanto Company | DKC 64-69 | X | X | X | X | X | X | X | X | X | X | X |
| 800 N. Lindbergh Blvd. | DKC 66-96 | X | X | X | X | X | X | X | X | | | |
| St. Louis, MO 63167 | DKC 67-57 | X | X | X | X | X | X | X | X | X | | |
| (314) 694-1000 | DKC 68-05 | X | X | X | X | X | X | | | X | | |
| www.monsanto.com | DKC 62-09 | | | | | | | X | X | X | | |
| | DKC 61-88 | | | | | | | | | | X | X |
| | DKC 62-97 | | | | | | | | | | X | X |
| | DKC 63-07 | | | | | | | | | | X | X |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Mycogen Seeds | 2V738 | | | | | | | | | | X | X |
| 1614 Safford Ave. | 2V707 | | | | | | | | | | X | X |
| Garden City, KS 67846 | 2V715 | | | | | | | | | | X | X |
| (620) 272-0024 | 2A787 | | | | | | | | | | X | X |
| dheatwole@dow.com | | | | | | | | | | | | |
| | | | | | | | | | | | | |

Table 1. Name, address, and hybrid designation for participants in the 2012 Texas Corn Performance Test.

| Company | Hybrid | Monte Alto | San Patricio | Tynan | Wharton | Hondo | College Station | Thrall | Bardwell | Farmersville | Dumas | Dalhart |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |
| Syngenta Seeds, Inc | N72Q-3111 | | | | X | X | | X | X | | | |
| 110 Twisted Oak Lane | N74G-3000GT | | | | X | X | | X | X | X | | |
| Crawford, TX 76638 | N78N-3111 | | | | | X | | | | | | |
| (254) 723-5555 | N77P-3111 | | | | X | X | | X | X | X | | |
| tony.driver@syngenta.com | N78S-3111 | | | | X | | | X | X | X | | |
| | N82V-3111 | | | | | | | | | X | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Terral Seed, Inc. | REV 26HR50 | X | X | X | X | X | X | X | X | X | | |
| 604 Blount St. | REV 28HR20 | X | X | X | X | X | X | X | X | X | | |
| Lake Providence, LA 71254 | REV 28R10 | X | X | X | X | X | X | X | X | X | | |
| (318) 282-3681 | REV 27HR52 | X | X | X | X | X | X | X | X | X | | |
| lmullen@terralseed.com | REV 26HR23 | X | X | X | X | X | X | X | X | X | | |
| | REV 27HR83 | X | X | X | X | X | X | X | X | X | | |
| | REV 29HR13 | X | X | X | X | X | X | X | X | X | | |
| | Fill (REV 28R10) | X | X | X | X | X | X | X | X | X | | |
| | REV 26R60 | | | | | | | | | | X | X |
| | REV 28HR29 | | | | | | | | | | X | X |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Triumph Seed Co., Inc. | 1956H | X | X | X | X | X | | X | | | | |
| P.O. Box 1050 | TRX29510HL | X | X | | | | | X | X | X | | |
| Ralls, TX 79357 | TRX21343H | | | X | X | X | | X | | X | X | X |
| (888) 521-7333 | TRX29510HR | | | X | | X | | | | | | |
| ben@triumphseed.com | 1711X | | | | | | | | X | X | | |
| | 7514X | | | | | | | | X | X | | |
| | TRX21354H | | | | | | | | | X | | |
| | 1725H | | | | | | | | | | X | X |
| | 1217S | | | | | | | | | | X | X |
| | 1157X | | | | | | | | | | X | X |
| | TRX21554H | | | | | | | | | | X | |
| | 7514S | | | | | | | | | | X | X |
| | TRX21366H | | | | | | | | | | | X |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Wilbur-Ellis Company | Integra 9613 | X | X | X | X | X | X | X | X | X | | |
| 10108 Saddle Creek Rd. | Integra 9630 | X | X | X | X | X | X | X | X | X | | |
| Waco, TX 76708 | Integra 9631 | | | | X | X | X | X | X | X | | |
| (254) 652-0032 | | | | | | | | | | | | |
| mcritten@wilburellis.com | | | | | | | | | | | | |
| | | | | | | | | | | | | |

| Table 2. | AGRONOMIC AND TEST INFORMATION: MONTE ALTO |
|---|---|
| TEST: | 2012 Full Irrigated Corn Performance Test |
| LOCATION: | Rio Farms, Inc. Research Farm, Southwest of Monte Alto, Texas |
| COLLABORATOR: | Eduardo Hernandez |
| SOIL TYPE: | Hidalgo sandy clay loam |
| ROW WIDTH: | Single 30” row |
| PREVIOUS CROP: | Cotton |
| LAND PREPARATION: | Shredded, disked, moldboard plowed, disked, disked, bedded and beds prepared for planting |
| DATE PLANTED: | 3-2-12 with cones mounted on an ALMACO planter using JD Max-Emerge II units. Test was planted on raised beds |
| CULTIVATED: | 4-4-12: used a Lilliston Rolling Cultivator |
| PLOT LENGTH: | 2 rows 26' |
| FERTILIZER: | January 2012: Applied preplant 27+75+0+13 as 10-28-0-5 in band in center of bed<br>3-31-12: Sidedress 124+0+0+2S as 28-0-0-5<br>4-3-12: 1 qt/A Nitrazin plus 2 lb/A Iron Sulfate as Foliar Spray |
| HERBICIDE: | 3-3-12: 4 oz/A Outlook PPE immediately after planting |
| INSECTICIDE: | None |
| RAINFALL: | January = 0.00”; February = 3.3”; March = 0.10"; April = 3.38”; May = 1.54"; June = 4.75"; July = 5.85” Total = 18.92” |
| IRRIGATIONS: | 1-17-12: Applied approximately 4” preplant<br>4-9-12 = 4”; 5-4-12 = 4”; 5-22-12 = 4”; 6-4-12 = 4” |
| DATE HARVESTED: | 7-9&10-12 with JD 3300 plot combine equipped with Grain Gauge. |
| SIZE HARVESTED PLOT: | 2 rows, 26' |
| TEST DESIGN: | Randomized complete block |
| NUMBER ENTRIES: | 30 |
| NUMBER REPLICATIONS: | 4 |
| NUMBER ROWS/PLOT: | 2 |
| TEST MEAN: | 192.0 bu/A , yields corrected to 15.5% moisture |
| TEST C.V.: | 8.17% |

COMMENTS: This was the first year a corn performance test under the auspices of the Crop Testing Program was conducted at Rio Farms, near Monte Alto, Texas. This test was relocated from the Texas A&M AgriLife Research and Extension Center near Weslaco.

The season started with a full profile of moisture from a pre-plant irrigation (4") and approximately 3.3" of rainfall in early February. Due to wet soil conditions, planting was delayed until March 2, approximately 3 weeks later than the optimum planting date. Although planting was delayed, seedling emergence and early plant growth were rapid.

A timely irrigation schedule and an excellent fertilization program were contributing factors resulting in continuous plant growth and development. Due to excellent growing conditions, the number of days to achieve 50% silk were relatively short, ranging from 53-60 days.

Outstanding yields were recorded at the test. The test mean yield was 192.0 bu/A with four hybrids producing over 200 bu/A. Excellent test weights were also recorded with the range being from 54.3 lb/bu to 59.7 lb/bu. Lodging was not a problem in the test as reflected in the yield table.

Appreciation is expressed to Mr. Andy Scott, Director of Research, Rio Farms Inc., for his assistance in conducting this test. Also, appreciation is expressed to Mr. Eduardo Hernandez for monitoring the test and collecting flowering notes.

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For further information about this report or for the Texas A&M AgriLife Research Crop Testing Program, contact Mr. Dennis Pietsch, Crop Testing Director, Texas A&M AgriLife Research, College Station, TX, (979) 845-8505, dpietsch@ag.tamu.edu

Please visit the Texas A&M AgriLife Crop Testing Program webpage at http://varietytesting.tamu.edu

Table 2A. 2012 Monte Alto Corn Performance Test, Rio Farms, Monte Alto, Texas.

| Hybrid (1) | Company or Brand Name | Grain Color (2) | Cob Color (3) | Type GE (4) | Days to 50% Silk | Plant Ht. In. | Ear Ht. In. | Plant Pop. Per Acre | % Erect Plants | Mois-ture % | Test Wt. lb/bu | Yield bu/A (5) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| REV® 26HR50™ | Terral Seed Inc. | Y | R | HX1/LL/RR | 58 | 100 | 40 | 23,958 | 100.0 | 13.7 | 59.2 | 217.2 |
| DKC 68-05 | Monsanto | Y | P | Gen VT3P | 56 | 91 | 38 | 25,131 | 100.0 | 13.0 | 57.5 | 202.3 |
| REV® 29HR13™ | Terral Seed Inc. | Y | R | HX1/LL/RR | 58 | 102 | 41 | 24,879 | 100.0 | 12.1 | 57.7 | 201.3 |
| DKC 64-69 | Monsanto | Y | R | Gen VT3P | 54 | 90 | 36 | 24,377 | 100.0 | 12.8 | 57.7 | 201.0 |
| 1956H | Triumph Seed Co., Inc. | Y | W | HXI/LL | 59 | 108 | 44 | 24,461 | 99.6 | 17.5 | 55.5 | 198.7 |
| TRX29510HL | Triumph Seed Co., Inc. | Y | | HXI/LL | 57 | 94 | 42 | 25,131 | 99.6 | 16.2 | 56.9 | 196.0 |
| REV® 27HR83™ | Terral Seed Inc. | Y | R | HX1/LL/RR | 56 | 97 | 39 | 24,042 | 100.0 | 12.8 | 58.1 | 195.3 |
| Fill 1 | Texas A&M AgriLife Res. | | | | 57 | 99 | 37 | 24,712 | 100.0 | 12.7 | 56.6 | 194.2 |
| REV® 28HR20™ | Terral Seed Inc. | Y | R | HX1/LL/RR | 58 | 99 | 38 | 22,869 | 100.0 | 12.9 | 58.9 | 193.0 |
| Fill 2 | Texas A&M AgriLife Res. | | | | 55 | 90 | 37 | 23,665 | 100.0 | 13.3 | 58.0 | 192.8 |
| REV® Fill (28R10)™ | Terral Seed Inc. | Y | R | YGCB/HX1/LL/RR | 59 | 99 | 38 | 23,623 | 100.0 | 13.3 | 59.0 | 191.1 |
| REV® 28R10™ | Terral Seed Inc. | Y | R | RR | 59 | 100 | 39 | 24,628 | 100.0 | 13.8 | 59.1 | 191.0 |
| REV® 26HR23™ | Terral Seed Inc. | Y | R | HX1/LL/RR | 60 | 101 | 41 | 23,874 | 100.0 | 12.5 | 59.7 | 190.9 |
| Integra 9630 | Wilbur-Ellis Company | Y | R | VT3PRO | 56 | 96 | 37 | 24,796 | 100.0 | 10.7 | 54.3 | 180.2 |
| REV® 27HR52™ | Terral Seed Inc. | Y | R | YGCB/HX1/LL/RR | 58 | 94 | 33 | 21,194 | 98.8 | 13.4 | 57.8 | 179.3 |
| DKC 66-96 | Monsanto | Y | R | Gen VT3P | 56 | 92 | 29 | 25,215 | 100.0 | 11.8 | 57.7 | 178.7 |
| DKC 67-57 | Monsanto | Y | R | Gen VT3P | 55 | 86 | 36 | 26,471 | 100.0 | 12.9 | 58.6 | 167.8 |
| Integra 9613 | Wilbur-Ellis Company | Y | P | VT3PRO | 53 | 91 | 33 | 24,712 | 100.0 | 11.0 | 57.2 | 163.7 |
| Mean | | | | | 56.6 | 96.1 | 37.2 | 24,371 | 99.9 | 13.0 | 57.4 | 192.0 |
| C.V. | | | | | 1.50 | 2.96 | 8.55 | 6.57 | 0.36 | 4.14 | 0.89 | 8.17 |
| L.S.D. .05 | | | | | 1.23 | 4.12 | 4.60 | NS | 0.52 | 0.81 | 0.76 | 23.34 |

Note 1: All data was analyzed using REMLTOOL. L.S.D.'s are given for traits that were significantly different at P<.05.

Note 2: Those hybrids entered by Texas A&M AgriLife Research are being tested as check hybrids.
Please contact respective seed companies for the availability of planting seed for the upcoming crop year.

Note 3: Appreciation is expressed to Mr. Andy Scott, Director of Research, Rio Farms, Inc.; Mr. Eddie Hernandez, Research Associate Rio Farms Inc.; and Mr. Juan Garza, Farm Manager, Rio Farms, Inc. for their assistance in conducting this test.

Table 2A. 2012 Monte Alto Corn Performance Test, Rio Farms, Monte Alto, Texas.

| Hybrid (1) | Company or Brand Name | Grain Color (2) | Cob Color (3) | Type GE (4) | Days to 50% Silk | Plant Ht. In. | Ear Ht. In. | Plant Pop. Per Acre | % Erect Plants | Mois-ture % | Test Wt. lb/bu | Yield bu/A (5) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|

(1) Integra 9673 VT3 Pro (Fill 1) was entered 10 times and an unnamed hybrid (Fill 2), entered 4 times, were entered as fill hybrids in the test at our discretion. They were analyzed separately, but combined in the table as a single entry. They are intended to be used for comparison purposes only.

(2) Grain color designated by respective seed companies: Y=Yellow, W=White. An asterisk (*) indicates company did not submit grain color.

(3) Cob color designated by respective seed companies: R=Red, W=White, P=Pink. An asterisk (*) indicates company did not submit cob color.

(4) Genetically enhanced hybrid submitted by respective seed companies. B.t.=Bacillus thuringiensis, YG= YieldGuard, CRW= Corn Root Worm, HX= Herculuex, LL= Liberty Link, RR= Roundup Ready, CL= Clearfield, CB= Corn Borer. Please check with respective seed companies for details on a GE hybrid.

(5) Yields corrected to 15.5% moisture

For further information about this report, contact Mr. Dennis Pietsch, Crop Testing Director, Texas A&M AgriLife Research, College Station, TX (979) 845-8505, dpietsch@ag.tamu.edu

Please visit the Crop Testing webpage at http://varietytesting.tamu.edu

Table 2B. Three Year Summary (2010-2012), Corn Performance Test, Monte Alto, Texas.

| Hybrid (1) | Company or Brand Name | 2012 Rank | 2012 Yield bu/A | 2011 Rank | 2011 Yield bu/A | 2010 Rank | 2010 Yield bu/A |
|---|---|---|---|---|---|---|---|
| REV® 26HR50™ | Terral Seed, Inc. | 1 | 217.2 | 7 | 177.6 | 2 | 181.6 |
| DKC 68-05 (GENVT3P) | Monsanto Company | 2 | 202.3 | -- | -- | 11 | 170.0 |
| REV® 29HR13™ | Terral Seed, Inc. | 3 | 201.3 | -- | -- | -- | -- |
| DKC 64-69 | Monstanto Company | 4 | 201.0 | 4 | 181.9 | -- | -- |
| 1956H | Triumph Seed Co., Inc | 5 | 198.7 | -- | -- | -- | -- |
| TRX 29510HL | Triumph Seed Co., Inc | 6 | 196.0 | -- | -- | -- | -- |
| REV® 27HR83 | Terral Seed, Inc. | 7 | 195.3 | -- | -- | -- | -- |
| Fill 1 (Unnamed) | Texas A&M AgriLife Research | 8 | 194.2 | -- | -- | -- | -- |
| REV® 28HR20™ | Terral Seed, Inc. | 9 | 193.0 | 1 | 186.4 | 1 | 188.1 |
| Fill 2 (Unnamed) | Texas A&M AgriLife Research | 10 | 192.8 | -- | -- | -- | -- |
| REV® Fill (28R10)™ | Terral Seed, Inc. | 11 | 191.1 | -- | -- | -- | -- |
| REV® 28R10™ | Terral Seed, Inc. | 12 | 191.0 | -- | -- | 4 | 178.9 |
| REV® 26HR23™ | Terral Seed, Inc. | 13 | 190.9 | -- | -- | -- | -- |
| Integra 9630 | Wilbur-Ellis Company | 14 | 180.2 | -- | -- | -- | -- |
| REV® 27HR52™ | Terral Seed, Inc. | 15 | 179.3 | -- | -- | -- | -- |
| DKC 66-96 (GENVT3P) | Monsanto Company | 16 | 178.7 | 13 | 169.8 | 16 | 167.0 |
| DKC 67-57 | Monsanto Company | 17 | 167.8 | -- | -- | -- | -- |
| Integra 9613 VTPRO | Wilbur-Ellis Company | 18 | 163.7 | 23 | 143.5 | -- | -- |
| TRX11832X | Triumph Seed Co., Inc | -- | -- | 2 | 184.8 | -- | -- |
| 30F53H | Pioneer Hi-Bred Int., Inc. | -- | -- | 3 | 182.0 | -- | -- |
| DKC 68-05 | Monstanto Company | -- | -- | 5 | 181.3 | 3 | 179.7 |
| Fill 2 (D56VP69) | Texas A&M AgriLife Research | -- | -- | 6 | 180.1 | -- | -- |
| Integra 9676 | Wilbur-Ellis Company | -- | -- | 8 | 176.7 | 5 | 177.6 |
| Armor 1655 PRO | Armor Seeds | -- | -- | 9 | 173.1 | 9 | 171.8 |
| GA 27V01 | Golden Acres Genetics | -- | -- | 10 | 172.6 | 8 | 173.8 |
| Fill 1 (Integra 9676 VT3PRO) | Texas A&M AgriLife Research | -- | -- | 11 | 172.0 | -- | -- |
| 30P49H | Pioneer Hi-Bred Int., Inc. | -- | -- | 12 | 170.2 | 6 | 177.1 |
| Armor 1161 PRO "V" | Armor Seeds | -- | -- | 14 | 167.5 | 21 | 163.5 |
| 1711X | Triumph Seed Co., Inc | -- | -- | 15 | 167.2 | -- | -- |
| Fill 3 (Unnamed) | Texas A&M AgriLife Research | -- | -- | 16 | 162.4 | -- | -- |

Table 2B. Three Year Summary (2010-2012), Corn Performance Test, Monte Alto, Texas.

| Hybrid (1) | Company or Brand Name | 2012 Rank | 2012 Yield bu/A | 2011 Rank | 2011 Yield bu/A | 2010 Rank | 2010 Yield bu/A |
|---|---|---|---|---|---|---|---|
| Armor 1539 PRO | Armor Seeds | -- | -- | 17 | 159.8 | -- | -- |
| 30F53HR | Pioneer Hi-Bred Int., Inc. | -- | -- | 18 | 159.0 | 37 | 148.2 |
| TG 8523 HX | Tech Ag Seed Co. | -- | -- | 19 | 153.0 | -- | -- |
| Armor 1545 PRO | Armor Seeds | -- | -- | 20 | 152.4 | 22 | 163.5 |
| Integra 9665 VTPRO | Wilbur-Ellis Company | -- | -- | 21 | 147.0 | -- | -- |
| TG 8990W | Tech Ag Seed Co. | -- | -- | 22 | 144.6 | -- | -- |
| TG 8535Y | Tech Ag Seed Co. | -- | -- | 24 | 132.9 | 29 | 156.1 |
| H-443-A | INIFAP, Rio Bravo | -- | -- | 25 | 129.5 | -- | -- |
| TG 8544Y | Tech Ag Seed Co. | -- | -- | 26 | 126.9 | 41 | 143.4 |
| TG 853 W | Tech Ag Seed Co. | -- | -- | 27 | 123.8 | -- | -- |
| Armor 1262 DPRO | Armor Seeds | -- | -- | 28 | 123.4 | -- | -- |
| Number of Entries | | 18 | | 28 | | 42 | |
| Test Mean Yield | | | 192.0 | | 163.7 | | 161.9 |

| Table 3. | AGRONOMIC AND TEST INFORMATION: TYNAN |
|---|---|
| TEST: | 2012 Irrigated Corn Performance Test |
| LOCATION: | Erich Schneider Farm, Tynan, Texas |
| COOPERATORS: | Erich Schneider |
| SOIL TYPE: | Victoria clay loam |
| ROW WIDTH: | 30" |
| PREVIOUS CROP: | Cotton |
| LAND PREPARATION: | Chiseled, field-cultivated, bedded, and planted |
| DATE PLANTED: | 3-1-12, planted with cones mounted on an ALMACO planter using JD Max-Emerge II units on raised beds |
| PLOT LENGTH: | 2 rows 26' |
| FERTILIZER: | Applied pre-plant with a coulter rig 340 lb/A of 20+10+0+3+ Hydra-Hume<br>Applied 90 lb/A of N as 32+0+0 and 1.5 gal/A of Hydra-Hume thru center pivot system during growing season |
| HERBICIDE: | Applied 11 oz/A of Sortie (generic Outlook), pre-emerge<br>Applied 22 oz/A of Roundup PowerMAX + 24 oz/A Atrazine (4 pound material) at layby. |
| INSECTICIDE: | None, seeds were requested to be treated with a seed insecticide |
| OTHER: | AF-36 (Atoxigenic *A. flavus*) was applied at the rate of 10lb/A for control of Aflatoxin (*A. flavus*) |
| RAINFALL: | Approximately 15.8” of rainfall were recorded from November 1, 2011 thru August 1, 2012. |
| IRRIGATIONS: | Applied approximately 9” of irrigation water during the growing season. |
| DATE HARVESTED: | 7-17-12 with JD 3300 plot combine equipped with Grain Gauge |
| SIZE HARVESTED PLOT: | 2 rows, 26' |
| TEST DESIGN: | Randomized complete block |
| NUMBER ENTRIES: | 20 |
| NUMBER REPLICATIONS: | 4 |
| NUMBER ROWS/PLOT: | 2 |
| MEAN PLANT POP: | 25,981 plants/A |
| TEST MEAN: | 102.5 bu/A; yields corrected to 15.5% moisture |
| TEST C.V.: | 17.7% |

COMMENTS: Conditions were unfavorable for maximum corn production at this Coastal Bend test site. The season started with good topsoil moisture, but lacked a full moisture profile at planting due to a shortage of fall and winter rains.

Dry weather conditions soon followed planting, thus demanding irrigation water be applied to the field. A center pivot irrigation system was utilized; however, the application of water across the test block was uneven due to several clogged nozzles. This resulted in inconsistent plant heights, thus giving the test block a "wavy" appearance. Lack of rainfall, in addition to hot temperatures, persisted throughout the growing season resulting in an increased need for irrigation water. Nitrogen in the form of N-32 was applied via the pivot, consequently providing additional plant nutrients.

A total of 9" of irrigation water was applied to the test. Due to high salinity levels of the water, irrigation in this area is intended as a supplementary water source rather than the primary water source. It should be noted that the test block received only 15.8" of rain from November 2011 to August 2012.

An aerial application of AF-36 (Atoxigenic A. flavus) was applied to the test block for Aflatoxin (A. flavus) control.

The test mean yield was only 102.5 bu/A compared to the past 3-year average of 148.5 bu/A. Test weights ranged from 56.5 lb/bu to 61.0 lb/bu. This was not a uniform test as reflected by the test C.V. of 17.7%; therefore caution should be used when interpreting these results.

***

For further information about this report or for the Texas A&M AgriLife Research Crop Testing Program, contact Mr. Dennis Pietsch, Crop Testing Director, Texas A&M AgriLife Research, College Station, TX, (979) 845-8505, dpietsch@ag.tamu.edu

Please visit the Texas A&M AgriLife Crop Testing Program webpage at http://varietytesting.tamu.edu

Table 3A. 2012 Tynan Corn Performance Test, Erich Schneider Farm, Tynan, Texas.

| Hybrid | Company or Brand Name | Grain Color (1) | Cob Color (2) | Type GE (3) | Days to 50% Silk | Ear Ht. In. | % Erect Plants | Plant Pop. Per Acre | Mois-ture % | Test Wt. lb/bu | Yield bu/A (4) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DKC 66-96 | Monsanto | Y | R | Gen VT3P | 62 | 28 | 98.5 | 27,393 | 12.8 | 57.3 | 121.2 |
| REV® 27HR52™ | Terral Seed Inc. | Y | R | YGCB/HX1/LL/RR | 64 | 27 | 95.1 | 25,801 | 14.3 | 60.1 | 119.8 |
| REV® 29HR13™ | Terral Seed Inc. | Y | R | HX1/LL/RR | 66 | 34 | 100.0 | 24,628 | 14.1 | 60.4 | 119.7 |
| GA 28V81 | Golden Acres Genetics | Y | R | VT3P | 63 | 31 | 94.0 | 26,555 | 13.5 | 59.4 | 119.3 |
| DKC 67-57 | Monsanto | Y | R | Gen VT3P | 62 | 25 | 97.1 | 26,555 | 14.6 | 60.3 | 116.6 |
| DKC 64-69 | Monsanto | Y | R | Gen VT3P | 64 | 30 | 85.7 | 25,466 | 14.1 | 59.7 | 112.0 |
| REV® 26HR50™ | Terral Seed Inc. | Y | R | HX1/LL/RR | 65 | 29 | 92.5 | 25,717 | 14.7 | 60.9 | 110.2 |
| REV® 28HR20™ | Terral Seed Inc. | Y | R | HX1/LL/RR | 67 | 30 | 87.9 | 25,550 | 14.2 | 61.0 | 108.7 |
| DKC 68-05 | Monsanto | Y | P | Gen VT3P | 63 | 27 | 99.4 | 26,471 | 13.0 | 57.6 | 106.8 |
| Fill REV® 28R10™ | Terral Seed Inc. | Y | R | RR | 67 | 28 | 96.8 | 25,633 | 14.3 | 60.9 | 106.7 |
| GA 27V01 | Golden Acres Genetics | Y | W | VT3P | 68 | 30 | 61.1 | 25,298 | 12.7 | 56.6 | 101.0 |
| TRX29510HR | Triumph Seed Co., Inc. | Y | * | HXI/RR | 63 | 32 | 61.5 | 27,141 | 13.8 | 58.4 | 100.5 |
| TRX21343H | Triumph Seed Co., Inc. | Y | W | HXI/RR | 63 | 29 | 79.8 | 25,550 | 12.6 | 56.5 | 96.7 |
| REV® 27HR83™ | Terral Seed Inc. | Y | R | HX1/LL/RR | 64 | 32 | 96.9 | 26,555 | 13.5 | 58.7 | 96.4 |
| Integra 9613 | Wilbur-Ellis Company | Y | P | VT3PRO | 62 | 26 | 95.6 | 26,806 | 13.4 | 57.6 | 93.5 |
| Integra 9630 | Wilbur-Ellis Company | Y | R | VT3PRO | 63 | 30 | 95.5 | 26,304 | 12.7 | 57.0 | 91.1 |
| GA G5531 | Golden Acres Genetics | Y | R | VT3P | 63 | 25 | 82.6 | 25,550 | 13.9 | 61.0 | 87.9 |
| REV® 26HR23™ | Terral Seed Inc. | Y | R | HX1/LL/RR | 68 | 29 | 91.1 | 25,466 | 14.0 | 60.6 | 87.6 |
| REV® 28R10™ | Terral Seed Inc. | Y | R | RR | 67 | 29 | 98.0 | 25,466 | 14.1 | 60.4 | 87.1 |
| 1956H | Triumph Seed Co., Inc. | Y | W | HXI/LL | 67 | 32 | 65.2 | 25,717 | 13.5 | 57.8 | 68.0 |
| Mean | | | | | 64.4 | 29.2 | 88.7 | 25,981 | 13.7 | 59.1 | 102.5 |
| C.V. | | | | | 1.62 | 5.93 | 10.60 | 4.20 | 3.30 | 0.95 | 17.70 |
| L.S.D. .05 | | | | | 1.54 | 2.56 | 13.90 | NS | 0.67 | 0.81 | 26.90 |

Note 1: All data was analyzed using REMLTOOL. L.S.D.'s are given for traits that were significantly different at P<.05.

Note 2: Those hybrids entered by Texas A&M AgriLife Research are being tested as check hybrids.
Please contact respective seed companies for the availability of planting seed for the upcoming crop year.

Note 3: Plant heights were not recorded due to tassel breakage at harvest time.

Table 3A. 2012 Tynan Corn Performance Test, Erich Schneider Farm, Tynan, Texas.

| Hybrid | Company or Brand Name | Grain Color (1) | Cob Color (2) | Type GE (3) | Days to 50% Silk | Ear Ht. In. | % Erect Plants | Plant Pop. Per Acre | Mois-ture % | Test Wt. lb/bu | Yield bu/A (4) |
|---|---|---|---|---|---|---|---|---|---|---|---|

(1) Grain color designated by respective seed companies: Y=Yellow, W=White. An asterisk (*) indicates company did not submit grain color.

(2) Cob color designated by respective seed companies: R=Red, W=White, P=Pink. An asterisk (*) indicates company did not submit cob color.

(3) Genetically enhanced hybrid submitted by respective seed companies. B.t.=Bacillus thuringiensis, YG= YieldGuard, CRW= Corn Root Worm, HX= Herculuex, LL= Liberty Link, RR= Roundup Ready, CL= Clearfield, CB= Corn Borer. Please check with respective seed companies for details on a GE hybrid.

(4) Yields corrected to 15.5% moisture

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Please visit the Crop Testing webpage at http://varietytesting.tamu.edu

Table 3B. Three Year Summary (2010-2012), Corn Performance Test, Tynan, Texas.

| Hybrid (1) | Company or Brand Name | 2012 Rank | 2012 Yield bu/A | 2011 Rank | 2011 Yield bu/A | 2010 Rank | 2010 Yield bu/A |
|---|---|---|---|---|---|---|---|
| DKC 66-96 (GENVT3P) | Monsanto Company | 1 | 121.2 | 12 | 151.2 | 8 | 197.3 |
| REV® 27HR52™ | Terral Seed Inc. | 2 | 119.8 | 3 | 173.8 | -- | -- |
| REV® 29HR13™ | Terral Seed Inc. | 3 | 119.7 | -- | -- | -- | -- |
| GA 28V81 | Golden Acres Genetics | 4 | 119.3 | -- | -- | -- | -- |
| DKC 67-57 | Monsanto Company | 5 | 116.6 | -- | -- | -- | -- |
| DKC 64-69 | Monsanto Company | 6 | 112.0 | 2 | 175.8 | -- | -- |
| REV® 26HR50™ | Terral Seed Inc. | 7 | 110.2 | 16 | 145.9 | 2 | 205.7 |
| REV® 28HR20™ | Terral Seed Inc. | 8 | 108.7 | 8 | 161.4 | 14 | 191.6 |
| DKC 68-05 (GENVT3P) | Monsanto Company | 9 | 106.8 | 15 | 149.5 | 26 | 178.9 |
| Fill (REV® 28R10™) | Terral Seed Inc. | 10 | 106.7 | -- | -- | -- | -- |
| GA 27V01 | Golden Acres Genetics | 11 | 101.0 | 7 | 164.4 | 1 | 213.1 |
| TRX 29510HR | Triumph Seed Co., Inc | 12 | 100.5 | -- | -- | -- | -- |
| TRX 21343H | Triumph Seed Co., Inc | 13 | 96.7 | -- | -- | -- | -- |
| REV® 27HR83™ | Terral Seed Inc. | 14 | 96.4 | -- | -- | -- | -- |
| Integra 9613 | Wilbur-Ellis Company | 15 | 93.5 | 18 | 137.3 | -- | -- |
| Integra 9630 | Wilbur-Ellis Company | 16 | 91.1 | -- | -- | -- | -- |
| GA G5531 | Golden Acres Genetics | 17 | 87.9 | -- | -- | -- | -- |
| REV® 26HR23™ | Terral Seed Inc. | 18 | 87.6 | -- | -- | -- | -- |
| REV® 28R10™ | Terral Seed Inc. | 19 | 87.1 | 5 | 169.3 | 20 | 184.2 |
| 1956H | Triumph Seed Co., Inc | 20 | 68.0 | 13 | 150.7 | -- | -- |
| REV® 27HR32™ | Terral Seed Inc. | -- | -- | 1 | 177.3 | -- | -- |
| REV® 26HR82™ | Terral Seed Inc. | -- | -- | 4 | 171.3 | -- | -- |
| REV® 26HR22™ | Terral Seed Inc. | -- | -- | 6 | 169.3 | -- | -- |
| REV® 28HR30™ | Terral Seed Inc. | -- | -- | 9 | 157.8 | 21 | 183.9 |
| Integra 9665 | Wilbur-Ellis Company | -- | -- | 10 | 157.2 | -- | -- |
| REV® 25HR49™ | Terral Seed Inc. | -- | -- | 11 | 155.5 | 24 | 180.9 |
| Integra 9676 | Wilbur-Ellis Company | -- | -- | 14 | 149.7 | 13 | 193.3 |
| GA 26V31 | Golden Acres Genetics | -- | -- | 17 | 145.2 | 4 | 200.0 |
| 1711X | Triumph Seed Co., Inc | -- | -- | 19 | 132.9 | -- | -- |
| 7514X | Triumph Seed Co., Inc | -- | -- | 20 | 131.4 | -- | -- |

Table 3B. Three Year Summary (2010-2012), Corn Performance Test, Tynan, Texas.

| Hybrid (1) | Company or Brand Name | 2012 Rank | 2012 Yield bu/A | 2011 Rank | 2011 Yield bu/A | 2010 Rank | 2010 Yield bu/A |
|---|---|---|---|---|---|---|---|
| Number of Entries | | 20 | | 20 | | 30 | |
| Test Mean Yield | | | 102.5 | | 156.4 | | 188.8 |

| Table 4. | AGRONOMIC AND TEST INFORMATION: HONDO |
|---|---|
| TEST: | 2012 Irrigated Corn Performance Test |
| LOCATION: | Stinson and Stinson Inc., Dunlay, Texas |
| COOPERATORS: | Hilton Stinson, R.Q. Stinson, and Jason Ott |
| SOIL TYPE: | Montell clay |
| ROW WIDTH: | 36" |
| PREVIOUS CROP: | Corn |
| LAND PREPARATION: | Deep chiseled and disked, |
| DATE PLANTED: | 3-8-12 with cones mounted on an ALMACO planter using JD Max-Emerge II units. Planted on raised beds |
| PLOT LENGTH: | 26’ |
| FERTILIZER: | Applied pre-plant 250 lb/A of liquid 7+21+7 +1pt/A Manganese + 1qt/A Zinc<br>Side-dress 400 lb/A of 32+0+0 at layby<br>Aerially applied 50 lb/A N at tassel stage |
| HERBICIDE: | Applied 24 oz/A of Roundup + 1.5 lb/A of Atrazine when corn was 24” tall |
| INSECTICIDE: | None, seeds were requested to be treated with a seed insecticide |
| MITECIDE: | Applied 4oz/A of Oberon for mites |
| OTHER: | Applied Aflaguard at suggested rate for Aflatoxin (*A. flavus*) |
| RAINFALL: | The test block received 8” during the growing season |
| IRRIGATIONS: | 5 applications of 3” during the growing season |
| DATE HARVESTED: | 8-7-12, with a JD 3300 plot combine equipped with Grain Gauge. |
| SIZE HARVESTED PLOT: | 2 rows, 26' long |
| TEST DESIGN: | Randomized complete block |
| NUMBER ENTRIES: | 30 |
| NUMBER REPLICATIONS: | 4 |
| NUMBER ROWS/PLOT: | 2 |
| MEAN PLANT POP: | 27,844 plants/A |
| TEST MEAN: | 161.9 bu/A; yields corrected to 15.5% moisture |
| TEST C.V.: | 6.7% |

COMMENTS: Good growing conditions, beneficial rainfalls, and timely agronomic practices were all contributing factors that resulted in excellent yields. Due to favorable rainfalls during the fall and winter months, a pre-plant irrigation was not applied to the test block. This year the seeding rate was increased from 25,000 to 28,000 plants per acre in order to correspond with the cooperator's seeding rate. Excellent plant stands were achieved.

The test block received approximately 8" of rainfall during the growing season. The test block was irrigated five times with approximately 3" per irrigation, which insured continuous plant growth and development. A mixture of Roundup and Atrazine was used for weed and grass control. Oberon was used to control mites in the test block. Afla-Guard was aerially applied at the suggested rate for Aflatoxin (A. flavus) control. Fertilizer was applied pre-plant and at lay-by. These rates can be found in the agronomic data listed above.

The test mean yield was 161.9 bu/A compared to the past 3-year average of 173 bu/A. Excellent bushel weights were recorded with the test mean being 59.0 lb/bu.

Harvesting of the test block was delayed almost two weeks due to an unavoidable major repair of the combine. Grain moisture was affected by this ill-timed event. The test was very uniform as reflected by the test C.V. of 6.7%.

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Table 4A. 2012 Hondo Corn Performance Test, Stinson and Stinson Farm, Dunlay, Texas.

| Hybrid (1) | Company or Brand Name | Grain Color (2) | Cob Color (3) | Type GE (4) | Days to 50% Silk | Plant Ht. In. | Ear Ht. In. | % Erect Plants | Plant Pop. Per Acre | Mois-ture % | Test Wt. lb/bu | Yield bu/A (5) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DKC 66-96 | Monsanto | Y | R | Gen VT3P | 59 | 79 | 32 | 98.3 | 28,970 | 10.0 | 59.6 | 180.1 |
| 1956H | Triumph Seed Co., Inc. | Y | W | HXI/RR | 64 | 98 | 39 | 87.8 | 28,133 | 10.4 | 58.8 | 174.1 |
| REV® 28HR20™ | Terral Seed Inc. | Y | R | HX1/LL/RR | 65 | 88 | 38 | 99.2 | 28,063 | 10.6 | 60.0 | 172.2 |
| DKC 67-57 | Monsanto | Y | R | Gen VT3P | 60 | 76 | 32 | 99.8 | 28,761 | 10.9 | 61.1 | 171.7 |
| REV® 27HR83™ | Terral Seed Inc. | Y | R | HX1/LL/RR | 62 | 89 | 37 | 99.7 | 27,155 | 10.5 | 60.4 | 171.0 |
| DKC 68-05 | Monsanto | Y | P | Gen VT3P | 61 | 79 | 32 | 99.8 | 29,040 | 10.0 | 58.2 | 168.2 |
| REV® 29HR13™ | Terral Seed Inc. | Y | R | HX1/LL/RR | 64 | 88 | 39 | 99.5 | 26,806 | 10.5 | 58.7 | 167.7 |
| Fill | Texas A&M AgriLife Res. | Y | R | Gen VT3P | 61 | 77 | 35 | 98.8 | 27,586 | 10.6 | 60.2 | 165.5 |
| TRX29510HR | Triumph Seed Co., Inc. | Y | * | HXI/RR | 64 | 82 | 36 | 94.8 | 28,691 | 10.7 | 59.3 | 164.7 |
| REV® 28R10™ | Terral Seed Inc. | Y | R | RR | 63 | 87 | 36 | 97.3 | 28,202 | 10.7 | 60.4 | 164.2 |
| Fill REV® 28R10™ | Terral Seed Inc. | Y | R | RR | 64 | 87 | 36 | 98.4 | 26,806 | 10.6 | 59.9 | 162.8 |
| Integra 9630 | Wilbur-Ellis Company | Y | R | VT3PRO | 61 | 85 | 33 | 99.0 | 28,761 | 9.2 | 54.8 | 161.9 |
| REV® 27HR52™ | Terral Seed Inc. | Y | R | YGCB/HX1/LL/RR | 63 | 85 | 33 | 99.5 | 26,876 | 9.7 | 59.3 | 161.8 |
| GA G5531 | Golden Acres Genetics | Y | R | VT3P | 60 | 80 | 31 | 97.8 | 28,482 | 10.6 | 59.7 | 160.5 |
| TRX21343H | Triumph Seed Co., Inc. | Y | W | HXI/RR | 63 | 83 | 37 | 98.8 | 27,714 | 9.1 | 53.2 | 158.7 |
| REV® 26HR23™ | Terral Seed Inc. | Y | R | HX1/LL/RR | 65 | 87 | 37 | 99.0 | 26,736 | 10.7 | 60.5 | 158.6 |
| DKC 64-69 | Monsanto | Y | R | Gen VT3P | 60 | 79 | 36 | 97.5 | 27,365 | 10.8 | 60.4 | 158.5 |
| REV® 26HR50™ | Terral Seed Inc. | Y | R | HX1/LL/RR | 63 | 83 | 35 | 98.3 | 28,342 | 10.8 | 60.8 | 158.0 |
| N78N-3111 | Syngenta | Y | W | BL/GT/CB/LL/RW | 63 | 86 | 33 | 98.2 | 27,644 | 10.8 | 59.4 | 154.1 |
| GA 28V81 | Golden Acres Genetics | Y | W | VT3P | 62 | 85 | 37 | 99.5 | 27,574 | 10.2 | 58.9 | 153.7 |
| Integra 9631 | Wilbur-Ellis Company | Y | R | VT3PRO | 60 | 81 | 28 | 99.5 | 27,783 | 9.9 | 57.6 | 153.0 |
| N72Q-3111 | Syngenta | Y | R | BL/GT/CB/LL/RW | 62 | 80 | 32 | 92.5 | 28,831 | 8.6 | 54.6 | 151.9 |
| N74G-3000GT | Syngenta | Y | R | GT/CB/LL/RW | 62 | 80 | 33 | 99.7 | 27,155 | 10.1 | 57.4 | 151.9 |
| N77P-3111 | Syngenta | Y | R | BL/GT/CB/LL/RW | 64 | 82 | 35 | 97.7 | 27,714 | 9.8 | 56.2 | 143.5 |
| Integra 9613 | Wilbur-Ellis Company | Y | P | VT3PRO | 60 | 76 | 29 | 99.5 | 28,202 | 9.7 | 57.9 | 142.0 |
| Mean | | | | | 61.9 | 82.1 | 34.5 | 98.1 | 27,844 | 10.3 | 59.0 | 161.9 |
| C.V. | | | | | 1.20 | 3.85 | 6.95 | 2.22 | 3.20 | 4.53 | 0.93 | 6.7 |
| L.S.D. .05 | | | | | 1.08 | 4.58 | 3.47 | 3.17 | 1,287 | 0.69 | 0.81 | 16.0 |

Note 1: All data was analyzed using REMLTOOL. L.S.D.'s are given for traits that were significantly different at P<.05.

Table 4A. 2012 Hondo Corn Performance Test, Stinson and Stinson Farm, Dunlay, Texas.

| Hybrid (1) | Company or Brand Name | Grain Color (2) | Cob Color (3) | Type GE (4) | Days to 50% Silk | Plant Ht. In. | Ear Ht. In. | % Erect Plants | Plant Pop. Per Acre | Mois-ture % | Test Wt. lb/bu | Yield bu/A (5) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|

Note 2: Those hybrids entered by Texas A&M AgriLife Research are being tested as check hybrids.
Please contact respective seed companies for the availability of planting seed for the upcoming crop year.

Note 3: Appreciation is expressed to Mr. Jason Ott, Medina County CEA, for recording flowering notes and monitoring the test.

(1) Monsanto DKC64-69 was entered 6 times as a fill hybrid in the test at our discretion.
They were analyzed separately, but combined in the table as a single entry. They are intended to be used for comparison purposes only.

(2) Grain color designated by respective seed companies: Y=Yellow, W=White. An asterisk (*) indicates company did not submit grain color.

(3) Cob color designated by respective seed companies: R=Red, W=White, P=Pink. An asterisk (*) indicates company did not submit cob color.

(4) Genetically enhanced hybrid submitted by respective seed companies. B.t.=Bacillus thuringiensis, YG= YieldGuard, CRW= Corn Root Worm, HX= Herculuex, LL= Liberty Link, RR= Roundup Ready, CL= Clearfield, CB= Corn Borer. Please check with respective seed companies for details on a GE hybrid.

(5) Yields corrected to 15.5% moisture

For further information about this report, contact Mr. Dennis Pietsch, Crop Testing Director, Texas A&M AgriLife Research, College Station, TX
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Please visit the Crop Testing webpage at http://varietytesting.tamu.edu

Table 4B. Three Year Summary (2010-2012), Corn Performance Test, Hondo, Texas.

| Hybrid (1) | Company or Brand Name | 2012 Rank | 2012 Yield bu/A | 2011 Rank | 2011 Yield bu/A | 2010 Rank | 2010 Yield bu/A |
|---|---|---|---|---|---|---|---|
| DKC 66-96 (GENVT3P) | Monsanto Company | 1 | 180.1 | 10 | 168.2 | 22 | 177.0 |
| 1956H | Triumph Seed Co., Inc. | 2 | 174.1 | 21 | 161.2 | -- | -- |
| REV® 28HR20™ | Terral Seed, Inc. | 3 | 172.2 | 6 | 171.3 | 21 | 178.6 |
| DKC 67-57 | Monsanto Company | 4 | 171.7 | -- | -- | -- | -- |
| REV® 27HR83™ | Terral Seed, Inc. | 5 | 171.0 | -- | -- | -- | -- |
| DKC 68-05 (GENVT3P) | Monsanto Company | 6 | 168.2 | 8 | 169.2 | 17 | 182.4 |
| REV® 29HR13™ | Terral Seed, Inc. | 7 | 167.7 | -- | -- | -- | -- |
| Fill (DKC 64-69) | Texas A&M AgriLife Research | 8 | 165.5 | -- | -- | -- | -- |
| TRX 29510HR | Triumph Seed Co., Inc. | 9 | 164.7 | -- | -- | -- | -- |
| REV®28R10™ | Terral Seed, Inc. | 10 | 164.2 | -- | -- | 19 | 180.9 |
| Fill (REV 28R10) | Terral Seed, Inc. | 11 | 162.8 | -- | -- | -- | -- |
| Integra 9630 | Wilbur-Ellis Company | 12 | 161.9 | -- | -- | -- | -- |
| REV® 27HR52™ | Terral Seed, Inc. | 13 | 161.8 | 4 | 173.0 | -- | -- |
| GA G5531 | Golden Acres Genetics | 14 | 160.5 | -- | -- | -- | -- |
| TRX 21343H | Triumph Seed Co., Inc. | 15 | 158.7 | -- | -- | -- | -- |
| REV® 26HR23™ | Terral Seed, Inc. | 16 | 158.6 | -- | -- | -- | -- |
| DKC 64-69 (GENVT3P) | Monsanto Company | 17 | 158.5 | 1 | 178.5 | -- | -- |
| REV® 26HR50™ | Terral Seed, Inc. | 18 | 158.0 | 3 | 173.3 | 12 | 185.0 |
| N78N-3111 | Syngenta | 19 | 154.1 | 7 | 170.1 | -- | -- |
| GA 28V81 | Golden Acres Genetics | 20 | 153.7 | 12 | 167.5 | 2 | 201.4 |
| Integra 9631 | Wilbur-Ellis Company | 21 | 153.0 | -- | -- | -- | -- |
| N72Q-3111 | Syngenta | 22 | 151.9 | 2 | 175.4 | -- | -- |
| N74G-3000GT | Syngenta | 23 | 151.9 | -- | -- | -- | -- |
| N77P-3111 | Syngenta | 24 | 143.5 | -- | -- | -- | -- |
| Integra 9613 VTPRO | Wilbur-Ellis Company | 25 | 142.0 | 22 | 160.9 | -- | -- |
| N72D-3111 | Syngenta | -- | -- | 5 | 171.5 | -- | -- |
| REV® 28HR10™ | Terral Seed, Inc. | -- | -- | 9 | 168.6 | -- | -- |
| Integra 9665 VTPRO | Wilbur-Ellis Company | -- | -- | 11 | 167.8 | -- | -- |
| Fill | Texas A&M AgriLife Research | -- | -- | 13 | 167.5 | -- | -- |
| Armor 1655 PRO | Armor Seed | -- | -- | 14 | 167.1 | 7 | 192.8 |

Table 4B. Three Year Summary (2010-2012), Corn Performance Test, Hondo, Texas.

| Hybrid (1) | Company or Brand Name | 2012 Rank | 2012 Yield bu/A | 2011 Rank | 2011 Yield bu/A | 2010 Rank | 2010 Yield bu/A |
|---|---|---|---|---|---|---|---|
| Fill | Texas A&M AgriLife Research | -- | -- | 15 | 166.6 | -- | -- |
| Armor 1539 PRO | Armor Seed | -- | -- | 16 | 166.4 | -- | -- |
| REV® 27HR32™ | Terral Seed, Inc. | -- | -- | 17 | 165.5 | -- | -- |
| Integra 9676 VTPRO | Wilbur-Ellis Company | -- | -- | 18 | 165.1 | 13 | 184.2 |
| Armor 1545 PRO | Armor Seed | -- | -- | 19 | 163.0 | 24 | 175.8 |
| Armor 1415 PRO | Armor Seed | -- | -- | 20 | 162.7 | -- | -- |
| REV® 28HR30™ | Terral Seed, Inc. | -- | -- | 23 | 159.2 | -- | -- |
| N72F-3000GT | Syngenta | -- | -- | 24 | 158.5 | -- | -- |
| Fill | Texas A&M AgriLife Research | -- | -- | 25 | 158.1 | -- | -- |
| Armor 1161 PRO (V)™ | Armor Seed | -- | -- | 26 | 158.0 | 28 | 168.6 |
| REV® 25HR49 | Terral Seed, Inc. | -- | -- | 27 | 157.8 | 27 | 172.5 |
| GA 28V71 | Golden Acres Genetics | -- | -- | 28 | 156.7 | 10 | 187.9 |
| REV® 26HR22™ | Terral Seed, Inc. | -- | -- | 29 | 151.1 | -- | -- |
| REV® 26HR82™ | Terral Seed, Inc. | -- | -- | 30 | 151.0 | -- | -- |
| Armor 1262 DPRO | Armor Seed | -- | -- | 31 | 150.8 | -- | -- |
| 1711X | Triumph Seed Co., Inc. | -- | -- | 32 | 145.1 | -- | -- |
| Number of Entries | | 25 | | 32 | | 38 | |
| Test Mean Yield | | | 161.9 | | 163.4 | | 178.8 |

| Table 5. | AGRONOMIC AND TEST INFORMATION: WHARTON |
|---|---|
| TEST: | 2012 Rainfed Corn Performance Test |
| LOCATION: | Larry and Clint Kalina Farm, Wharton,Texas |
| COOPERATORS: | Larry Kalina, Clint Kalina, and Peter McGuill |
| SOIL TYPE: | Caney fine sandy loam |
| ROW WIDTH: | 40” |
| PREVIOUS CROP: | Corn |
| LAND PREPARATION: | Shredded, bedded, hipped and fertilized, hipped, and “drug-off” beds |
| DATE PLANTED: | 3-7-12 with cones mounted on an ALMACO planter using JD Max-Emerge II units. Test was planted on raised beds |
| PLOT LENGTH: | 2 rows 26' |
| FERTILIZER: | Applied 550 lb/A of 25+7+0+2, pre-plant |
| HERBICIDE: | Applied 1.0 qt/A of Atrazine, pre-emerge<br>Applied 24 oz/A of Roundup when corn was in 4 leaf stage<br>Applied 32 oz/A of Roundup when corn was 30” tall |
| INSECTICIDE: | None, seeds were requested to be treated with a seed insecticide |
| RAINFALL: | January = 4.18”; February = 3.36”; March = 4.10"; April = 2.01”; May = 2.75"; June = 4.79"; July = 9.16”; August = 0.39”<br>Total = 30.35” |
| DATE HARVESTED: | 8-8-12 with JD 3300 plot combine equipped with Grain Gauge. |
| SIZE HARVESTED PLOT: | 2 rows, 26' |
| TEST DESIGN: | Randomized complete block |
| NUMBER ENTRIES: | 30 |
| NUMBER REPLICATIONS: | 4 |
| NUMBER ROWS/PLOT: | 2 |
| MEAN PLANT POPULATION: | 21,191 plants/A |
| TEST MEAN: | 155.3 bu/A , yields corrected to 15.5% moisture |
| TEST C.V.: | 14.5% |

COMMENTS: Contrary to 2011, when this area suffered through a major drought, the 2012 Crop Year was outstanding. Timely rainfall and good agronomic practices were contributing factors resulting in excellent yields.

The season started with ample moisture from fall and winter rains. According to a weather station maintained by the Lower Colorado River Authority near the test block, 4.18" of rain were recorded in January and 3.36" in February. Seeds were planted into a well prepared seedbed. Seedling emergence was rapid, and early plant growth and development resulted from timely rainfall and a good fertilization program. Two applications of Roundup were applied to the test block resulting in excellent weed and grass control.

Good plant growth and development continued throughout the growing season, however just prior to the silk stage, some areas in the test block showed signs of plant stress. A timely rain soon followed, consequently alleviating plant stress. Additional rainfall in June contributed to grain fill and enhanced final yields.

The test mean yield was 155.3 bu/A. Fifteen hybrids produced between 150 and 185 bu/A. The incidence of lodging was low.

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For further information about this report or for the Texas A&M AgriLife Research Crop Testing Program, contact Mr. Dennis Pietsch, Crop Testing Director, Texas A&M AgriLife Research, College Station, TX, (979) 845-8505, dpietsch@ag.tamu.edu

Please visit the Texas A&M AgriLife Crop Testing Program webpage at http://varietytesting.tamu.edu

Table 5A. Wharton Corn Performance Test, Larry Kalina Farm, Wharton, Texas.

| Hybrid (1) | Company or Brand Name | Grain Color (2) | Cob Color (3) | Type GE (4) | Days to 50% Silk | Plant Ht. In. | Ear Ht. In. | Plant Pop. Per Acre | % Erect Plants | Mois-ture % | Test Wt. lb/bu | Yield bu/A (5) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| REV® 28HR20™ | Terral Seed Inc. | Y | R | HX1/LL/RR | 65 | 101 | 36 | 22,115 | 99.7 | 13.6 | 59.9 | 184.4 |
| DKC 64-69 | Monsanto | Y | R | Gen VT3P | 61 | 94 | 33 | 20,733 | 100.0 | 13.5 | 59.1 | 173.0 |
| DKC 66-96 | Monsanto | Y | R | Gen VT3P | 60 | 88 | 29 | 20,984 | 99.7 | 13.7 | 58.7 | 169.5 |
| REV® 26HR50™ | Terral Seed Inc. | Y | R | HX1/LL/RR | 63 | 100 | 31 | 21,675 | 100.0 | 14.4 | 60.5 | 166.2 |
| REV® 26HR23™ | Terral Seed Inc. | Y | R | HX1/LL/RR | 65 | 102 | 37 | 20,796 | 100.0 | 13.3 | 60.3 | 164.9 |
| N78S-3111 | Syngenta | Y | R | BL/GT/CB/LL/RW | 62 | 94 | 34 | 21,675 | 98.9 | 12.2 | 55.3 | 164.6 |
| DKC 67-57 | Monsanto | Y | R | Gen VT3P | 60 | 88 | 31 | 21,927 | 100.0 | 13.7 | 59.6 | 164.0 |
| 1956H | Triumph Seed Co., Inc. | Y | W | HXI/LL | 64 | 107 | 40 | 22,115 | 98.0 | 12.9 | 56.8 | 163.8 |
| Integra 9630 | Wilbur-Ellis Company | Y | R | VT3PRO | 60 | 94 | 34 | 20,607 | 100.0 | 11.8 | 56.0 | 160.7 |
| Fill | Texas A&M AgriLife Res. | Y | R | Gen VT3P | 61 | 90 | 33 | 21,414 | 99.9 | 13.0 | 58.3 | 159.7 |
| REV® 27HR83™ | Terral Seed Inc. | Y | R | HX1/LL/RR | 62 | 101 | 36 | 22,555 | 100.0 | 13.6 | 58.9 | 157.5 |
| DKC 68-05 | Monsanto | Y | P | Gen VT3P | 61 | 89 | 32 | 20,921 | 100.0 | 12.5 | 56.9 | 156.1 |
| N72Q-3111 | Syngenta | Y | R | BL/GT/CB/LL/RW | 62 | 94 | 34 | 21,612 | 99.4 | 11.6 | 54.0 | 154.9 |
| REV® 28R10™ | Terral Seed Inc. | Y | R | RR | 65 | 100 | 35 | 20,859 | 100.0 | 13.4 | 59.6 | 151.2 |
| REV® 29HR13™ | Terral Seed Inc. | Y | R | HX1/LL/RR | 64 | 103 | 35 | 21,235 | 100.0 | 13.2 | 58.3 | 150.9 |
| GA 28V81 | Golden Acres Genetics | Y | R | VT3P | 61 | 99 | 35 | 22,115 | 100.0 | 12.1 | 57.1 | 148.9 |
| TRX21343H | Triumph Seed Co., Inc. | Y | | HXI/RR | 63 | 93 | 32 | 20,482 | 99.1 | 11.4 | 53.7 | 148.5 |
| REV® Fill (28R10)™ | Terral Seed Inc. | Y | R | YGCB/HX1/LL/RR | 65 | 101 | 35 | 19,476 | 99.7 | 13.2 | 59.1 | 147.1 |
| N77P-3111 | Syngenta | Y | R | BL/GT/CB/LL/RW | 64 | 94 | 34 | 21,110 | 100.0 | 11.4 | 54.8 | 145.8 |
| REV® 27HR52™ | Terral Seed Inc. | Y | R | YGCB/HX1/LL/RR | 64 | 97 | 33 | 19,476 | 100.0 | 14.2 | 59.2 | 145.1 |
| Integra 9631 | Wilbur-Ellis Company | Y | R | VT3PRO | 61 | 93 | 30 | 20,293 | 100.0 | 11.6 | 54.5 | 142.1 |
| Integra 9613 | Wilbur-Ellis Company | Y | P | VT3PRO | 59 | 91 | 32 | 20,670 | 100.0 | 12.4 | 56.8 | 141.3 |
| GA G5531 | Golden Acres Genetics | Y | R | VT3P | 59 | 90 | 26 | 21,235 | 99.4 | 14.3 | 59.5 | 140.1 |
| N74G-3000GT | Syngenta | Y | R | GT/CB/LL/RW | 62 | 91 | 35 | 21,424 | 99.4 | 12.6 | 55.4 | 133.7 |
| GA 26V21 | Golden Acres Genetics | Y | W | VT3P | 65 | 95 | 34 | 21,173 | 99.4 | 11.8 | 56.3 | 127.3 |
| Mean | | | | | 62.1 | 94.5 | 33.4 | 21,191 | 100 | 12.9 | 57.7 | 155.3 |
| C.V. | | | | | 1.82 | 3.90 | 10.15 | 5.81 | 0.75 | 4.78 | 1.41 | 14.5 |
| L.S.D. .05 | | | | | 1.64 | 5.33 | 4.90 | NS | 1 | 0.90 | 1.18 | 32.8 |

Table 5A. Wharton Corn Performance Test, Larry Kalina Farm, Wharton, Texas.

| Hybrid (1) | Company or Brand Name | Grain Color (2) | Cob Color (3) | Type GE (4) | Days to 50% Silk | Plant Ht. In. | Ear Ht. In. | Plant Pop. Per Acre | % Erect Plants | Mois-ture % | Test Wt. lb/bu | Yield bu/A (5) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|

Note 1: All data was analyzed using REMLTOOL. L.S.D.'s are given for traits that were significantly different at P<.05.

Note 2: Those hybrids entered by Texas A&M AgriLife Research are being tested as check hybrids.
Please contact respective seed companies for the availability of planting seed for the upcoming crop year.

(1) Monsanto DKC64-69 was entered 6 times as a fill hybrid in the test at our discretion.
They were analyzed separately, but combined in the table as a single entry. They are intended to be used for comparison purposes only.

(2) Grain color designated by respective seed companies: Y=Yellow, W=White. An asterisk (*) indicates company did not submit grain color.

(3) Cob color designated by respective seed companies: R=Red, W=White, P=Pink. An asterisk (*) indicates company did not submit cob color.

(4) Genetically enhanced hybrid submitted by respective seed companies. B.t.=Bacillus thuringiensis, YG= YieldGuard, CRW= Corn Root Worm, HX= Herculuex, LL= Liberty Link, RR= Roundup Ready, CL= Clearfield, CB= Corn Borer, BL= Broad Lepidoptera (Agrisure Viptera).
Please check with respective seed companies for details on a GE hybrid.

(5) Yields corrected to 15.5% moisture

For further information about this report, contact Mr. Dennis Pietsch, Crop Testing Director, Texas A&M AgriLife Research, College Station, TX
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Table 5B. Three Year Summary (2010-2012), Corn Performance Test, Wharton, Texas.

| Hybrid (1) | Company or Brand Name | 2012 Rank | 2012 Yield bu/A | 2011 Rank | 2011 Yield bu/A | 2010 Rank | 2010 Yield bu/A |
|---|---|---|---|---|---|---|---|
| REV® 28HR20™ | Terral Seed Inc. | 1 | 184.4 | -- | -- | 12 | 150.1 |
| DKC 64-69 | Monsanto Company | 2 | 173.0 | -- | -- | -- | -- |
| DKC 66-96 | Monsanto Company | 3 | 169.5 | -- | -- | 21 | 143.8 |
| REV® 26HR50™ | Terral Seed Inc. | 4 | 166.2 | -- | -- | 29 | 138.1 |
| REV® 26HR23™ | Terral Seed Inc. | 5 | 164.9 | -- | -- | -- | -- |
| N78S-3111 | Syngenta Seeds | 6 | 164.6 | -- | -- | -- | -- |
| DKC 67-57 | Monsanto Company | 7 | 164.0 | -- | -- | -- | -- |
| 1956H | Triumph Seed Co., Inc. | 8 | 163.8 | -- | -- | -- | -- |
| Integra 9630 | Wilbur-Ellis Company | 9 | 160.7 | -- | -- | -- | -- |
| Fill (DKC 64-69) | Texas A&M AgriLife Research | 10 | 159.7 | -- | -- | -- | -- |
| REV® 27HR83™ | Terral Seed Inc. | 11 | 157.5 | -- | -- | -- | -- |
| DKC 68-05 | Monsanto Company | 12 | 156.1 | -- | -- | 2 | 159.6 |
| N72Q-3111 | Syngenta Seeds | 13 | 154.9 | -- | -- | -- | -- |
| REV® 28R10™ | Terral Seed Inc. | 14 | 151.2 | -- | -- | 28 | 140.0 |
| REV® 29HR13™ | Terral Seed Inc. | 15 | 150.9 | -- | -- | -- | -- |
| GA 28V81 | Golden Acres Genetics | 16 | 148.9 | -- | -- | 10 | 151.4 |
| TRX21343H | Triumph Seed Co., Inc. | 17 | 148.5 | -- | -- | -- | -- |
| REV® Fill(28R10™) | Terral Seed Inc. | 18 | 147.1 | -- | -- | -- | -- |
| N77P-3111 | Syngenta Seeds | 19 | 145.8 | -- | -- | -- | -- |
| REV® 27HR52™ | Terral Seed Inc. | 20 | 145.1 | -- | -- | -- | -- |
| Integra 9631 | Wilbur-Ellis Company | 21 | 142.1 | -- | -- | -- | -- |
| Integra 9613 | Wilbur-Ellis Company | 22 | 141.3 | -- | -- | -- | -- |
| GA G5531 | Golden Acres Genetics | 23 | 140.1 | -- | -- | -- | -- |
| N74G-3000GT | Syngenta Seeds | 24 | 133.7 | -- | -- | -- | -- |
| GA 26V21 | Golden Acres Genetics | 25 | 127.3 | -- | -- | 39 | 127.0 |
| 851VT3/P | Croplan Genetics | -- | -- | -- | -- | 1 | 160.4 |
| D56VP24 | DynaGro Seeds | -- | -- | -- | -- | 3 | 156.3 |
| GA 28V71 | Golden Acres Genetics | -- | -- | -- | -- | 4 | 155.3 |
| W4777VT3 | Warner Seeds, Inc. | -- | -- | -- | -- | 5 | 154.8 |
| Integra 9676 | Wilbur-Ellis Company | -- | -- | -- | -- | 6 | 154.6 |

Table 5B. Three Year Summary (2010-2012), Corn Performance Test, Wharton, Texas.

| Hybrid (1) | Company or Brand Name | 2012 Rank | 2012 Yield bu/A | 2011 Rank | 2011 Yield bu/A | 2010 Rank | 2010 Yield bu/A |
|---|---|---|---|---|---|---|---|
| Belle BXCO28VT3 | Armor Seeds | -- | -- | -- | -- | 7 | 153.2 |
| GA 26V31 | Golden Acres Genetics | -- | -- | -- | -- | 8 | 152.9 |
| Integra 9650 | Wilbur-Ellis Company | -- | -- | -- | -- | 9 | 152.3 |
| Integra 9640 | Wilbur-Ellis Company | -- | -- | -- | -- | 11 | 150.9 |
| Integra 9664 | Wilbur-Ellis Company | -- | -- | -- | -- | 13 | 149.2 |
| Fill (DKC 68-05) | Monsanto Company | -- | -- | -- | -- | 14 | 148.7 |
| WX1474VT3 | Warner Seeds, Inc. | -- | -- | -- | -- | 15 | 148.1 |
| Belle 1161 PRO | Armor Seeds | -- | -- | -- | -- | 16 | 147.1 |
| 58V72 | DynaGro Seeds | -- | -- | -- | -- | 17 | 146.1 |
| W4744VT3 | Warner Seeds, Inc. | -- | -- | -- | -- | 18 | 144.5 |
| GA 27V01 | Golden Acres Genetics | -- | -- | -- | -- | 19 | 144.5 |
| N78S-CB/LL Brand | Syngenta Seeds | -- | -- | -- | -- | 20 | 144.3 |
| 8505 VT3/P | Croplan Genetics | -- | -- | -- | -- | 22 | 142.7 |
| 8315 | Golden Acres Genetics | -- | -- | -- | -- | 23 | 142.2 |
| DKC 69-40 | Monsanto Company | -- | -- | -- | -- | 24 | 141.6 |
| Belle 1655 PRO | Armor Seeds | -- | -- | -- | -- | 25 | 141.4 |
| 57V40 | DynaGro Seeds | -- | -- | -- | -- | 26 | 141.2 |
| REV® 28HR30™ | Terral Seed Inc. | -- | -- | -- | -- | 27 | 141.0 |
| Belle 1545 PRO | Armor Seeds | -- | -- | -- | -- | 30 | 136.6 |
| REV® 28R30™ | Terral Seed Inc. | -- | -- | -- | -- | 31 | 134.4 |
| V5373 | DynaGro Seeds | -- | -- | -- | -- | 32 | 133.6 |
| N77P-3000GT Brand | Syngenta Seeds | -- | -- | -- | -- | 33 | 133.5 |
| REV® 25R29™ | Terral Seed Inc. | -- | -- | -- | -- | 34 | 132.6 |
| REV® 25HR39™ | Terral Seed Inc. | -- | -- | -- | -- | 35 | 130.8 |
| 7514S | Triumph Seed Co., Inc. | -- | -- | -- | -- | 36 | 128.8 |
| N78B-CB/LL Brand | Syngenta Seeds | -- | -- | -- | -- | 37 | 128.3 |
| Belle BXGO80GT | Armor Seeds | -- | -- | -- | -- | 38 | 127.2 |
| WX1435VT3 | Warner Seeds, Inc. | -- | -- | -- | -- | 40 | 126.8 |
| REV® 25HR49™ | Terral Seed Inc. | -- | -- | -- | -- | 41 | 124.2 |
| Belle 1511C | Armor Seeds | -- | -- | -- | -- | 42 | 117.0 |

Table 5B. Three Year Summary (2010-2012), Corn Performance Test, Wharton, Texas.

| Hybrid (1) | Company or Brand Name | 2012 Rank | 2012 Yield bu/A | 2011 Rank | 2011 Yield bu/A | 2010 Rank | 2010 Yield bu/A |
|---|---|---|---|---|---|---|---|
| TRX01714 | Triumph Seed Co., Inc. | -- | -- | -- | -- | 43 | 111.9 |
| REV® 25R19™ | Terral Seed Inc. | -- | -- | -- | -- | 44 | 108.1 |
| Belle 1560 PRO | Armor Seeds | -- | -- | -- | -- | 45 | 97.4 |
| Number of Entries | | 25 | | -- | | 45 | |
| Test Mean Yield | | | 155.3 | | -- | | 140.4 |

**2011 Test Lost Due to Drought

Table 6. AGRONOMIC AND TEST INFORMATION: COLLEGE STATION

| | |
|---|---|
| TEST: | 2012 Irrigated Corn Performance Test |
| LOCATION: | Texas A&M University Research and Extension Center, College Station, Texas; Field 221 |
| COOPERATORS: | Jeffery Savage, Seth Murray |
| SOIL TYPE: | Ships clay loam |
| ROW WIDTH: | 30" |
| PREVIOUS CROP: | Corn 2011, Corn 2010, Cotton 2009 |
| LAND PREPARATION: | Disc, chisel, field cultivate, bed, roll bed (2/26) |
| DATE PLANTED: | 2-28-12 with cones mounted on an ALMACO planter using JD Max-Emerge II units |
| PLOT LENGTH: | 2 rows 21' |
| FERTILIZER: | 2-16-12: 150lb/A of 11-37-0-4 Zn<br>4-02-12: 220lb/A of 32-0-0<br>4-23-11: foliar application of iron and micronutrients (1 Qt 5% Fe + 1 Qt 2-17-17+Micro at 15gal/A) |
| HERBICIDE: | 2-29-12: Applied 2.7 qt/A of Harness Xtra |
| INSECTICIDE: | Seeds were requested to be treated with a seed insecticide<br>4-13-12: Applied 3.0 oz/ A of Silencer |
| RAINFALL: | January = 2.51”; February = 1.28”; March = 8.96”; April = 0.28”; May = 1.80”; June = 1.67”; July = 2.71”; August = 1.88”<br>Total = 21.09” |
| IRRIGATIONS: | 2 Irrigations: 4-12, 5-12 of approx. 3” each |
| DATE HARVESTED: | 8-03-12 |
| SIZE HARVESTED PLOT: | 2 rows, 21' |
| TEST DESIGN: | Randomized complete block |
| NUMBER ENTRIES: | 20 |
| NUMBER REPLICATIONS: | 4 |
| NUMBER ROWS/PLOT: | 2 |
| MEAN PLANT POP: | 35,651 |
| TEST MEAN: | 250.4 |
| TEST C.V.: | 8.90 |

COMMENTS: 2012 provided an excellent test in College Station. A warm spring allowed for slightly earlier than normal planting. Timely rainfall and cooler than normal temperatures, especially during important times of pollination and grain fill, contributed to above average yields. Two supplemental irrigations were provided in advance of concerns of inadequate rainfall and to incorporate fertilizer. Warm temperatures early in the season encouraged rapid germination and the plants reached flowering one to one and a half weeks earlier than normal.

Plant populations were well above the target population of 30,000 but this proved to be very beneficial as evidenced by very high yields.

***

For further information about this report or for the Texas A&M AgriLife Research Crop Testing Program, contact Mr. Dennis Pietsch, Crop Testing Director, Texas A&M AgriLife Research, College Station, TX, (979) 845-8505, dpietsch@ag.tamu.edu

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Table 6A. College Station Corn Performance Test, Texas A and M University AgriLife Research Farm, College Station, Texas.

| Hybrid (1) | Company or Brand Name | Grain Color (2) | Cob Color (3) | Type GE (4) | Days to 50% Silk | Plant Ht. In. | Ear Ht. In. | Plant Pop. Per Acre | Moist-ure % | Test Wt. lb/bu | Yield bu/A (5) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| REV® 27HR83™ | Terral Seed Inc. | Y | R | HX1/LL/RR | 68 | 97 | 31 | 36,093 | 11.0 | 61.9 | 276.4 |
| REV® 28HR20™ | Terral Seed Inc. | Y | R | HX1/LL/RR | 71 | 101 | 34 | 35,885 | 11.1 | 61.7 | 267.8 |
| Fill | Texas A&M AgriLife Res. | Y | R | Gen VT3P | 68 | 89 | 30 | 36,715 | 10.9 | 61.3 | 264.3 |
| DKC 68-05 | Monsanto | Y | P | Gen VT3P | 67 | 89 | 33 | 38,478 | 10.9 | 60.7 | 262.5 |
| DKC 64-69 | Monsanto | Y | R | Gen VT3P | 68 | 88 | 29 | 36,611 | 10.9 | 62.2 | 260.5 |
| DKC 66-96 | Monsanto | Y | R | Gen VT3P | 66 | 85 | 28 | 36,715 | 10.8 | 61.5 | 259.1 |
| GA 28V81 | Golden Acres Genetics | Y | R | VT3P | 69 | 98 | 38 | 35,782 | 10.7 | 59.6 | 256.2 |
| REV® 29HR13™ | Terral Seed Inc. | Y | R | HX1/LL/RR | 71 | 103 | 34 | 33,396 | 10.8 | 59.6 | 255.4 |
| Integra 9630 | Wilbur-Ellis Company | Y | R | VT3PRO | 67 | 93 | 33 | 34,226 | 10.5 | 59.5 | 252.8 |
| REV® 28R10™ | Terral Seed Inc. | Y | R | RR | 71 | 100 | 35 | 36,093 | 10.7 | 60.9 | 251.2 |
| REV® 26HR23™ | Terral Seed Inc. | Y | R | HX1/LL/RR | 70 | 99 | 35 | 33,604 | 10.9 | 62.0 | 247.8 |
| DKC 67-57 | Monsanto | Y | R | Gen VT3P | 67 | 85 | 27 | 36,715 | 10.7 | 60.5 | 243.5 |
| GA 27V01 | Golden Acres Genetics | Y | R | VT3P | 70 | 96 | 32 | 35,263 | 10.5 | 58.5 | 243.4 |
| REV® 26HR50™ | Terral Seed Inc. | Y | R | HX1/LL/RR | 69 | 97 | 31 | 35,782 | 10.9 | 61.6 | 236.2 |
| GA G5531 | Golden Acres Genetics | Y | R | VT3P | 66 | 89 | 25 | 34,952 | 11.0 | 61.8 | 233.5 |
| Integra 9631 | Wilbur-Ellis Company | Y | R | VT3PRO | 67 | 89 | 27 | 36,300 | 10.5 | 58.7 | 231.9 |
| REV® 27HR52™ | Terral Seed Inc. | Y | R | YGCB/HX1/LL/RR | 69 | 96 | 28 | 32,566 | 11.2 | 60.9 | 224.4 |
| Integra 9613 | Wilbur-Ellis Company | Y | P | VT3PRO | 66 | 89 | 30 | 34,433 | 10.8 | 60.2 | 213.2 |
| Mean | | | | | 68.0 | 92.8 | 30.9 | 35,651 | 10.8 | 60.8 | 250.4 |
| C.V. | | | | | 1.46 | 2.70 | 11.12 | 5.33 | 1.90 | 1.60 | 8.90 |
| L.S.D. .05 | | | | | 1.47 | 3.71 | 5.08 | 2,813 | 0.31 | 1.48 | 33.84 |

Note 1: All data was analyzed using REMLTOOL. L.S.D.'s are given for traits that were significantly different at P<.05.

(1) Monsanto DKC64-69 was entered 3 times as a fill hybrid in the test at our discretion.
They were analyzed separately, but combined in the table as a single entry. They are intended to be used for comparison purposes only.

(2) Grain color designated by respective seed companies: Y=Yellow, W=White. An asterisk (*) indicates company did not submit grain color.

(3) Cob color designated by respective seed companies: R=Red, W=White, P=Pink. An asterisk (*) indicates company did not submit cob color.

Table 6A. College Station Corn Performance Test, Texas A and M University AgriLife Research Farm, College Station, Texas.

| Hybrid (1) | Company or Brand Name | Grain Color (2) | Cob Color (3) | Type GE (4) | Days to 50% Silk | Plant Ht. In. | Ear Ht. In. | Plant Pop. Per Acre | Moist-ure % | Test Wt. lb/bu | Yield bu/A (5) |
|---|---|---|---|---|---|---|---|---|---|---|---|

(4) Genetically enhanced hybrid submitted by respective seed companies. B.t.=Bacillus thuringiensis, YG= YieldGuard, CRW= Corn Root Worm, HX= Herculuex, LL= Liberty Link, RR= Roundup Ready, CL= Clearfield, CB= Corn Borer, BL= Broad Lepidoptera (Agrisure Viptera). Please check with respective seed companies for details on a GE hybrid.

(5) Yields corrected to 15.5% moisture

For further information about this report, contact Mr. Dennis Pietsch, Crop Testing Director, Texas A&M AgriLife Research, College Station, TX (979) 845-8505, dpietsch@ag.tamu.edu
Please visit the Crop Testing webpage at http://varietytesting.tamu.edu

Table 6B. Three Year Summary (2010-2012), Corn Performance Test, College Station, Texas.

| Hybrid (1) | Company or Brand Name | 2012 Rank | 2012 Yield bu/A | 2011 Rank | 2011 Yield bu/A | 2010 Rank | 2010 Yield bu/A |
|---|---|---|---|---|---|---|---|
| REV® 27HR83™ | Terral Seed Inc. | 1 | 276.4 | -- | -- | -- | -- |
| REV® 28HR20™ | Terral Seed Inc. | 2 | 267.8 | 4 | 187.8 | 16 | 159.3 |
| Fill (DKC64-69) | Texas A&M AgriLife Research | 3 | 264.3 | -- | -- | -- | -- |
| DKC 68-05 | Monsanto Company | 4 | 262.5 | 19 | 164.8 | 38 | 129.6 |
| DKC 64-69 | Monsanto Company | 5 | 260.5 | 1 | 191.1 | -- | -- |
| DKC 66-96 | Monsanto Company | 6 | 259.1 | 10 | 179.6 | 20 | 150.4 |
| GA 28V81 | Golden Acres Genetics | 7 | 256.2 | 14 | 174.0 | 22 | 149.7 |
| REV® 29HR13™ | Terral Seed Inc. | 8 | 255.4 | -- | -- | -- | -- |
| Integra 9630 | Wilbur-Ellis Company | 9 | 252.8 | -- | -- | -- | -- |
| REV® 28R10™ | Terral Seed Inc. | 10 | 251.2 | 2 | 189.8 | 4 | 175.7 |
| REV® 26HR23™ | Terral Seed Inc. | 11 | 247.8 | -- | -- | -- | -- |
| DKC 67-57 | Monsanto Company | 12 | 243.5 | -- | -- | -- | -- |
| GA 27V01 | Golden Acres Genetics | 13 | 243.4 | 7 | 180.6 | 5 | 169.3 |
| REV® 26HR50™ | Terral Seed Inc. | 14 | 236.2 | 9 | 179.8 | 14 | 160.8 |
| GA G5531 | Golden Acres Genetics | 15 | 233.5 | -- | -- | -- | -- |
| Integra 9631 | Wilbur-Ellis Company | 16 | 231.9 | -- | -- | -- | -- |
| REV® 27HR52™ | Terral Seed Inc. | 17 | 224.4 | 6 | 181.9 | -- | -- |
| Integra 9613 | Wilbur-Ellis Company | 18 | 213.2 | 20 | 156.3 | 29 | 143.5 |
| Fill (D56VP69) | Texas A&M AgriLife Research | -- | -- | 3 | 188.4 | -- | -- |
| Armor 1539 PRO | Armor Seed | -- | -- | 5 | 186.7 | -- | -- |
| Integra 9676 VTPRO | Wilbur-Ellis Company | -- | -- | 8 | 180.6 | 13 | 161.4 |
| REV® 27HR32™ | Terral Seed Inc. | -- | -- | 11 | 177.2 | -- | -- |
| REV® 28HR30™ | Terral Seed Inc. | -- | -- | 12 | 177.2 | 8 | 165.6 |
| REV® 25HR49™ | Terral Seed Inc. | -- | -- | 13 | 174.8 | 37 | 131.9 |
| Armor 1545 PRO | Armor Seed | -- | -- | 15 | 172.4 | 24 | 147.7 |
| Armor 1655 PRO | Armor Seed | -- | -- | 16 | 171.4 | 9 | 165.0 |
| Armor 1415 PRO | Armor Seed | -- | -- | 17 | 168.2 | -- | -- |
| Armor 1262 DPRO | Armor Seed | -- | -- | 18 | 165.4 | -- | -- |
| Armor 1161 PRO (V) | Armor Seed | -- | -- | 21 | 145.8 | 11 | 162.5 |
| Integra 9665 VTPRO | Wilbur-Ellis Company | -- | -- | 22 | 142.2 | -- | -- |

Table 6B. Three Year Summary (2010-2012), Corn Performance Test, College Station, Texas.

| Hybrid (1) | Company or Brand Name | 2012 Rank | 2012 Yield bu/A | 2011 Rank | 2011 Yield bu/A | 2010 Rank | 2010 Yield bu/A |
|---|---|---|---|---|---|---|---|
| **REV® 26HR82™** | **Terral Seed Inc.** | | | *** | **152.0/174.5** | -- | -- |
| **REV®28HR22™** | **Terral Seed Inc.** | | | *** | **150.1/186.5** | -- | -- |
| Number of Entries | | 28 | | 22 | | 39 | |
| Test Mean Yield | | | 250.4 | | 173.6 | | 152.9 |

***Seed for these hybrids were not packaged with the correct number of seeds, thus final plant populations were incorrect. Plant populations were recalculated to the test mean populaton. The recalculated number is a projected figure and is listed as the second figure for that hybrid. The first figure of each hybrid shows the yield based on the original population, while the second figure is the projected yield based on the projected population.

| Table 7. | AGRONOMIC AND TEST INFORMATION: THRALL |
|---|---|
| TEST: | 2012 Dryland Corn Performance Test |
| LOCATION: | Stiles Farm Foundation, Thrall, Texas |
| COOPERATOR: | Archie Abrameit |
| SOIL TYPE: | Burleson clay |
| ROW WIDTH: | 38" |
| PREVIOUS CROP: | Grain Sorghum |
| LAND PREPARATION: | The test block was strip-tilled on 3-7-12 |
| DATE PLANTED: | 3-26-12: planted flat with cones mounted on an ALMACO planter using JD Max-Emerge II units |
| PLOT LENGTH: | 26' |
| FERTILIZER: | 110+12+24+2Zn, pre-plant |
| HERBICIDE: | Broadcast tank mix of 1 pt/A Roundup WeatherMAX + 1.3 pt/A Parallel + .75 lb/A Atrazine, pre-emerge |
| INSECTICIDE: | None, seeds were required to be treated with a seed insecticide |
| RAINFALL | January = 4.95"; February = 7.85"; March = 5.55"; April = 0.0", May = 3.90"; June = 0.0"; July = 4.85"; August = 0.0" Total = 27.10" |
| DATE HARVESTED: | 8-13-12 with a JD3300 plot combine equipped with Grain Gauge. |
| SIZE HARVESTED PLOT: | 2 rows, 26' long |
| TEST DESIGN: | Randomized complete block |
| NUMBER ENTRIES: | 30 |
| NUMBER REPLICATIONS: | 4 |
| NUMBER ROWS/PLOT: | 2 |
| MEAN PLANT POP: | 19,545 plants/A |
| TEST MEAN: | 78.9 bu/A; yields corrected to 15.5% moisture |
| TEST C.V.: | 11.6% |

COMMENTS: A later than normal planting date combined with erratic moisture conditions were factors that probably reduced potential yields at this test site. The test block received approximately 18.4" of rainfall between January and March which delayed the planting date until March 26. There were several opportunities to plant earlier, but due to planting commitments at other test sites and rainfall during March, we missed our optimum planting date of March 1.

After the test was planted, the test block did not receive any beneficial rains until just prior to the tassel-silk stage. These rains temporarily alleviated plant stress. The test block received no rainfall in June. The lack of rain coupled with high temperatures resulted in additional plant stress. Only 8.75" of rain were recorded throughout the growing season. Although surrounding areas near Thrall received several beneficial rains, the test site received minimal amounts, ultimately affecting final yields.

The test mean yield was 78.9 bu/A. Only four hybrids produced between 90.4 and 94.6 bu/A. Please note that test weights are unusually low. The test mean was 52.0 lb/bu ranging from 46.8 lb/bu to 55.9 lb/bu. We don't know exactly why this occurred, however we speculate it may be moisture stress related. Varying soil type differences within the field may have been magnified due to soil moisture holding capacity, thus contributing to the problem.

Due to a major combine problem, harvest was delayed approximately two weeks, thus low grain moistures as reported in the table.

***

For further information about this report or for the Texas A&M AgriLife Research Crop Testing Program, contact Mr. Dennis Pietsch, Crop Testing Director, Texas A&M AgriLife Research, College Station, TX, (979) 845-8505, dpietsch@ag.tamu.edu

Please visit the Texas A&M AgriLife Crop Testing Program webpage at http://varietytesting.tamu.edu

Table 7A. Thrall Corn Performance Test, Stiles Farm Foundation, Thrall, Texas.

| Hybrid (1) | Company or Brand Name | Grain Color (2) | Cob Color (3) | Type GE (4) | Days to 50% Silk | Plant Ht. In. | Ear Ht. In. | Plant Pop. Per Acre | % Erect Plants | Mois-ture % | Test Wt. lb/bu | Yield bu/A (5) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DKC 67-57 | Monsanto | Y | R | Gen VT3P | 56 | 81 | 23 | 20,832 | 95.5 | 10.7 | 53.9 | 94.6 |
| N78S-3111 | Syngenta | Y | R | BL/GT/CB/LL/RW | 58 | 91 | 29 | 18,981 | 96.8 | 9.7 | 52.7 | 92.9 |
| DKC 66-96 | Monsanto | Y | R | Gen VT3P | 56 | 84 | 24 | 19,840 | 96.8 | 9.8 | 51.3 | 92.7 |
| DKC 64-69 | Monsanto | Y | R | Gen VT3P | 57 | 79 | 28 | 19,263 | 91.7 | 10.0 | 51.7 | 90.4 |
| REV® 26HR50™ | Terral Seed Inc. | Y | R | HX1/LL/RR | 59 | 90 | 27 | 19,576 | 94.5 | 11.2 | 55.3 | 88.1 |
| DKC 62-09 | Monsanto | Y | R | Gen VT3P | 56 | 85 | 29 | 20,634 | 94.8 | 10.3 | 51.5 | 86.8 |
| Fill | Texas A&M AgriLife Res. | Y | R | VT3PRO | 58 | 90 | 28 | 19,840 | 89.6 | 9.6 | 51.2 | 82.8 |
| N77P-3111 | Syngenta | Y | R | BL/GT/CB/LL/RW | 58 | 91 | 30 | 19,377 | 94.5 | 8.8 | 51.8 | 82.7 |
| GA 27V01 | Golden Acres Genetics | Y | R | VT3P | 60 | 93 | 29 | 19,510 | 94.0 | 8.2 | 50.5 | 82.0 |
| Integra 9613 | Wilbur-Ellis Company | Y | P | VT3PRO | 55 | 86 | 26 | 20,634 | 99.0 | 10.3 | 51.8 | 81.7 |
| REV® 27HR83™ | Terral Seed Inc. | Y | R | HX1/LL/RR | 58 | 93 | 28 | 21,229 | 99.0 | 11.6 | 52.6 | 78.7 |
| Integra 9631 | Wilbur-Ellis Company | Y | R | VT3PRO | 55 | 88 | 23 | 19,311 | 93.0 | 10.5 | 50.7 | 77.4 |
| REV® 26HR23™ | Terral Seed Inc. | Y | R | HX1/LL/RR | 61 | 88 | 28 | 19,443 | 99.0 | 11.5 | 55.9 | 77.4 |
| REV® 28R10™ | Terral Seed Inc. | Y | R | RR | 60 | 92 | 32 | 18,451 | 98.3 | 11.4 | 54.0 | 76.8 |
| GA G5531 | Golden Acres Genetics | Y | R | VT3P | 55 | 87 | 22 | 19,906 | 87.8 | 12.4 | 54.8 | 76.3 |
| REV® 27HR52™ | Terral Seed Inc. | Y | R | YGCB/HX1/LL/RR | 59 | 94 | 28 | 19,774 | 97.5 | 9.9 | 53.2 | 76.2 |
| N72Q-3111 | Syngenta | Y | R | BL/GT/CB/LL/RW | 56 | 89 | 26 | 19,576 | 93.5 | 10.1 | 50.2 | 75.4 |
| N74G-3000GT | Syngenta | Y | R | GT/CB/LL/RW | 57 | 90 | 29 | 19,113 | 97.3 | 9.5 | 52.1 | 74.3 |
| Integra 9630 | Wilbur-Ellis Company | Y | R | VT3PRO | 56 | 91 | 27 | 18,253 | 95.0 | 9.0 | 51.4 | 74.1 |
| REV® 29HR13™ | Terral Seed Inc. | Y | R | HX1/LL/RR | 60 | 93 | 30 | 18,650 | 99.8 | 11.0 | 53.7 | 72.9 |
| TRX21343H | Triumph Seed Co., Inc. | Y | W | HXI/RR | 57 | 88 | 28 | 18,385 | 89.0 | 9.9 | 47.7 | 71.6 |
| TRX29510HL | Triumph Seed Co., Inc. | Y | R | HXI/LL | 59 | 89 | 32 | 19,774 | 87.0 | 11.0 | 51.1 | 66.5 |
| Fill REV® 28R10™ | Terral Seed Inc. | Y | R | RR | 61 | 89 | 30 | 18,121 | 98.8 | 11.0 | 53.7 | 65.8 |
| REV® 28HR20™ | Terral Seed Inc. | Y | R | HX1/LL/RR | 62 | 91 | 29 | 19,047 | 96.5 | 10.7 | 53.8 | 57.8 |
| 1956H | Triumph Seed Co., Inc. | Y | W | HXI/RR | 61 | 96 | 32 | 19,642 | 71.8 | 10.3 | 46.8 | 57.0 |
| Mean | | | | | 57.9 | 89.2 | 27.8 | 19,545 | 93.27 | 10.2 | 52.0 | 78.9 |
| C.V. | | | | | 1.74 | 3.56 | 6.95 | 6.98 | 7.03 | 11.67 | 1.61 | 11.6 |
| L.S.D. .05 | | | | | 1.50 | 4.67 | 2.84 | NS | 9.65 | 1.77 | 1.24 | 13.5 |

Note 1:All data was analyzed using REMLTOOL. L.S.D.'s are given for traits that were significantly different at P<.05.

Table 7A. Thrall Corn Performance Test, Stiles Farm Foundation, Thrall, Texas.

| Hybrid (1) | Company or Brand Name | Grain Color (2) | Cob Color (3) | Type GE (4) | Days to 50% Silk | Plant Ht. In. | Ear Ht. In. | Plant Pop. Per Acre | % Erect Plants | Mois-ture % | Test Wt. lb/bu | Yield bu/A (5) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|

Note 2: Those hybrids entered by Texas A&M AgriLife Research are being tested as check hybrids.
Please contact respective seed companies for the availability of planting seed for the upcoming crop year.

(1) Integra 9673VT3 was entered 6 times as a fill hybrid in the test at our discretion.
They were analyzed separately, but combined in the table as a single entry. They are intended to be used for comparison purposes only.

(2) Grain color designated by respective seed companies: Y=Yellow, W=White. An asterisk (*) indicates company did not submit grain color.

(3) Cob color designated by respective seed companies: R=Red, W=White, P=Pink. An asterisk (*) indicates company did not submit cob color.

(4) Genetically enhanced hybrid submitted by respective seed companies. B.t.=Bacillus thuringiensis, YG= YieldGuard, CRW= Corn Root Worm, HX= Herculuex, LL= Liberty Link, RR= Roundup Ready, CL= Clearfield, CB= Corn Borer, BL= Broad Lepidoptera (Agrisure Viptera).
Please check with respective seed companies for details on a GE hybrid.

(5) Yields corrected to 15.5% moisture

For further information about this report, contact Mr. Dennis Pietsch, Crop Testing Director, Texas A&M AgriLife Research, College Station, TX
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Please visit the Crop Testing webpage at http://varietytesting.tamu.edu

Table 7B. Three Year Summary (2010-2012), Corn Performance Test, Thrall, Texas.

| Hybrid (1) | Company or Brand Name | 2012 Rank | 2012 Yield bu/A | 2011 Rank | 2011 Yield bu/A | 2010 Rank | 2010 Yield bu/A |
|---|---|---|---|---|---|---|---|
| DKC 67-57 | Monsanto Company | 1 | 94.6 | -- | -- | -- | -- |
| N78S-3111 | Syngenta Seeds, Inc. | 2 | 92.9 | -- | -- | -- | -- |
| DKC 66-96 | Monsanto Company | 3 | 92.7 | -- | -- | 1 | 94.9 |
| DKC 64-69 | Monsanto Company | 4 | 90.4 | -- | -- | -- | -- |
| REV® 26HR50™ | Terral Seed, Inc. | 5 | 88.1 | -- | -- | 17 | 76.1 |
| DKC 62-09 | Monsanto Company | 6 | 86.8 | -- | -- | -- | -- |
| Fill (Integra 9673) | Texas A&M AgriLife Research | 7 | 82.8 | -- | -- | -- | -- |
| N77P-3111 | Syngenta Seeds, Inc. | 8 | 82.7 | -- | -- | -- | -- |
| GA 27V01 | Golden Acres Genetics | 9 | 82.0 | -- | -- | 3 | 89.5 |
| Integra 9613 | Wilbur-Ellis Company | 10 | 81.7 | -- | -- | 30 | 69.0 |
| REV® 27HR83™ | Terral Seed, Inc. | 11 | 78.7 | -- | -- | -- | -- |
| Integra 9631 | Wilbur-Ellis Company | 12 | 77.4 | -- | -- | -- | -- |
| REV® 26HR23™ | Terral Seed, Inc. | 13 | 77.4 | -- | -- | -- | -- |
| REV® 28R10™ | Terral Seed, Inc. | 14 | 76.8 | -- | -- | 22 | 74.1 |
| GA G5531 | Golden Acres Genetics | 15 | 76.3 | -- | -- | -- | -- |
| REV® 27HR52™ | Terral Seed, Inc. | 16 | 76.2 | -- | -- | -- | -- |
| N72Q-3111 | Syngenta Seeds, Inc. | 17 | 75.4 | -- | -- | -- | -- |
| N74G-3000GT | Syngenta Seeds, Inc. | 18 | 74.3 | -- | -- | -- | -- |
| Integra 9630 | Wilbur-Ellis Company | 19 | 74.1 | -- | -- | -- | -- |
| REV® 29HR13™ | Terral Seed, Inc. | 20 | 72.9 | -- | -- | -- | -- |
| TRX 21343H | Triumph Seed Co., Inc. | 21 | 71.6 | -- | -- | -- | -- |
| TRX 29510HL | Triumph Seed Co., Inc. | 22 | 66.5 | -- | -- | -- | -- |
| Fill (REV® 28R10™) | Terral Seed, Inc. | 23 | 65.8 | -- | -- | -- | -- |
| REV® 28HR20™ | Terral Seed, Inc. | 24 | 57.8 | -- | -- | 25 | 73.1 |
| 1956H | Triumph Seed Co., Inc. | 25 | 57.0 | -- | -- | -- | -- |
| Integra 9602 | Wilbur-Ellis Company | -- | -- | -- | -- | 2 | 92.9 |
| 57V44 | DynaGro Seeds | -- | -- | -- | -- | 4 | 89.1 |
| Fill (DKC 68-05) | Texas A&M AgriLife Research | -- | -- | -- | -- | 5 | 88.4 |
| DKC 69-40 | Monsanto Company | -- | -- | -- | -- | 6 | 87.6 |
| DKC 68-05 | Monsanto Company | -- | -- | -- | -- | 7 | 85.4 |

Table 7B. Three Year Summary (2010-2012), Corn Performance Test, Thrall, Texas.

| Hybrid (1) | Company or Brand Name | 2012 Rank | 2012 Yield bu/A | 2011 Rank | 2011 Yield bu/A | 2010 Rank | 2010 Yield bu/A |
|---|---|---|---|---|---|---|---|
| WX1435VT3 | Warner Seeds, Inc | -- | -- | -- | -- | 8 | 82.2 |
| V5373 | DynaGro Seeds | -- | -- | -- | -- | 9 | 82.2 |
| REV® 25HR39™ | Terral Seed, Inc. | -- | -- | -- | -- | 10 | 78.9 |
| 7514S | Triumph Seed Co., Inc. | -- | -- | -- | -- | 11 | 77.5 |
| N77P-3000GT Brand | Syngenta Seeds, Inc. | -- | -- | -- | -- | 12 | 76.9 |
| 57T61 | DynaGro Seeds | -- | -- | -- | -- | 13 | 76.5 |
| GA 26V31 | Golden Acres Genetics | -- | -- | -- | -- | 14 | 76.5 |
| Belle 1511C | Armor Seeds | -- | -- | -- | -- | 15 | 76.4 |
| 57V40 | DynaGro Seeds | -- | -- | -- | -- | 16 | 76.3 |
| Belle 1161 PRO | Armor Seeds | -- | -- | -- | -- | 18 | 75.8 |
| W4777VT3 | Warner Seeds, Inc | -- | -- | -- | -- | 19 | 75.1 |
| Belle BXCO28VT3 | Armor Seeds | -- | -- | -- | -- | 20 | 74.3 |
| N78N-3000GT Brand | Syngenta Seeds, Inc. | -- | -- | -- | -- | 21 | 74.2 |
| N78S-CL/LL Brand | Syngenta Seeds, Inc. | -- | -- | -- | -- | 23 | 73.7 |
| Integra 9664 | Wilbur-Ellis Company | -- | -- | -- | -- | 24 | 73.5 |
| REV® 25HR49™ | Terral Seed, Inc. | -- | -- | -- | -- | 26 | 73.0 |
| W4744VT3 | Warner Seeds, Inc | -- | -- | -- | -- | 27 | 72.7 |
| REV® 28R30™ | Terral Seed, Inc. | -- | -- | -- | -- | 28 | 72.2 |
| GA 26V21 | Golden Acres Genetics | -- | -- | -- | -- | 29 | 70.7 |
| Belle 1655 PRO | Armor Seeds | -- | -- | -- | -- | 31 | 68.9 |
| REV® 25R29™ | Terral Seed, Inc. | -- | -- | -- | -- | 32 | 67.1 |
| Belle 1545 PRO | Armor Seeds | -- | -- | -- | -- | 33 | 66.7 |
| Belle BXGO80GT | Armor Seeds | -- | -- | -- | -- | 34 | 66.4 |
| GA 28V81 | Golden Acres Genetics | -- | -- | -- | -- | 35 | 66.3 |
| Belle 1560 PRO | Armor Seeds | -- | -- | -- | -- | 36 | 65.6 |
| GA 8315 | Golden Acres Genetics | -- | -- | -- | -- | 37 | 65.4 |
| WX1474VT3 | Warner Seeds, Inc | -- | -- | -- | -- | 38 | 65.2 |
| 1420X | Triumph Seed Co., Inc. | -- | -- | -- | -- | 39 | 64.8 |
| REV® 28HR30™ | Terral Seed, Inc. | -- | -- | -- | -- | 40 | 64.4 |
| Integra 9676 | Wilbur-Ellis Company | -- | -- | -- | -- | 41 | 63.4 |
| REV® 25R19™ | Terral Seed, Inc. | -- | -- | -- | -- | 42 | 60.4 |

Table 7B. Three Year Summary (2010-2012), Corn Performance Test, Thrall, Texas.

| Hybrid (1) | Company or Brand Name | 2012 Rank | 2012 Yield bu/A | 2011 Rank | 2011 Yield bu/A | 2010 Rank | 2010 Yield bu/A |
|---|---|---|---|---|---|---|---|
| Number of Entries | | 25 | | -- | | 42 | |
| Test Mean Yield | | | 78.9 | | -- | | 74.8 |

**2011 Test Lost Due to Drought

| Table 8. | AGRONOMIC AND TEST INFORMATION: BARDWELL |
|---|---|
| TEST: | 2012 Rain-fed Corn Performance Test |
| LOCATION: | Beakley Farms, Bardwell, Texas |
| COOPERATORS: | Bob Beakley and Steven Beakley |
| SOIL TYPE: | Houston black clay |
| ROW WIDTH: | 30" |
| PREVIOUS CROP: | Cotton |
| LAND PREPARATION: | Shred, disked, and field cultivated (2) |
| DATE PLANTED: | 2-29-12: Planted flat with cones mounted on an ALMACO planter using JD Max-Emerge II units |
| PLOT LENGTH: | 26' |
| FERTILIZER: | Chicken litter was applied and incorporated in Fall of 2011<br>Applied 15 gal/A of 32+0+0 at planting<br>Side-dressed 200 lb/A of 34+0+0 at 6” stage |
| HERBICIDE: | Applied 1.2 pt/A Dual, pre-emerge |
| INSECTICIDE: | None, seeds were requested to be treated with a seed insecticide |
| RAINFALL: | Rainfall data was collected at Lake Bardwell by the Corp of Engineers. February = 4.21”; March = 1.16”; April = 2.01”; May = 2.46”: June = 1.62”; July = 3.85” Total = 15.31” |
| DATE HARVESTED: | 8-22-12, with a JD3300 plot combine equipped with Grain Gauge |
| SIZE HARVESTED PLOT: | 2 rows, 26' long |
| TEST DESIGN: | Randomized complete block |
| NUMBER ENTRIES: | 30 |
| NUMBER REPLICATIONS: | 4 |
| NUMBER ROWS/PLOT: | 2 |
| MEAN PLANT POP: | 21,584 plants/A |
| TEST MEAN: | 148.0 bu/A; yields corrected to 15.5% moisture |
| TEST C.V.: | 6.3% |

COMMENTS: The Bardwell location is one of three test sites that were conducted in the Texas Blacklands. It is located in Ellis County, just south of Dallas. This location had the highest yields of the three Blacklands performance tests, probably because of the ample rainfall amounts. The southern-most location, near Thrall, (Williamson Co.) had a poor performance due to the lack of rain during the growing season. The test to the north, near Farmersville, (Collin Co.) performed very well, but the test mean yield was 11.4 bu/A less than the Ellis Co. location. All of these locations are rain-fed only, and because of the plentiful natural moisture in this county, there was an outstanding yield potential.

In the Fall of 2011, chicken litter was applied and incorporated to the field. Additional Nitrogen was applied at planting and also when plants reached the 6" stage. These were followed by timely rains, allowing the nutrients to become readily available to the plants. The test was planted into a field with a full moisture profile, and received 15.3" of rain during the growing season. The test was planted at an optimum planting date in late February. Every month, at least an inch of rain was received; several months, more than two inches fell.

There were good stands throughout all plots, and this test performed very well from the start. In early May, root lodging was observed in a few plots. This resulted from a combination of high winds and rainfall that caused some hybrids to lodge. Each hybrid's results are reflected in the final table under the % Erect Plants column.

For the first time in three years, the test mean yield at this location was over 100 bu/A, with 148 bu/A. The mean yield from 2009 to 2011 averaged 73 bu/A. Due to a combination of excellent agronomic practices, a good fertilization program, and timely rains, this was an excellent test with very good yields. This was a very uniform test as reflected by the test C.V. of 6.3%.

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For further information about this report or for the Texas A&M AgriLife Research Crop Testing Program, contact Mr. Dennis Pietsch, Crop Testing Director, Texas A&M AgriLife Research, College Station, TX, (979) 845-8505, dpietsch@ag.tamu.edu

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Table 8A. Bardwell Corn Performance, Bob and Steve Beakley Farm, Bardwell, Texas.

| Hybrid (1) | Company or Brand Name | Grain Color (2) | Cob Color (3) | Type GE (4) | Days to 50% Silk | Plant Ht. In. | Ear Ht. In. | Plant Pop. Per Acre | % Erect Plants | Mois-ture % | Test Wt. lb/bu | Yield bu/A (5) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DKC 62-09 | Monsanto | Y | P | Gen VT3P | 69 | 91 | 31 | 23,036 | 98.3 | 10.6 | 57.2 | 165.4 |
| DKC 64-69 | Monsanto | Y | R | Gen VT3P | 70 | 94 | 31 | 23,037 | 99.5 | 11.2 | 57.7 | 165.3 |
| Fill | Texas A&M AgriLife Research | Y | R | Gen VT3P | 70 | 93 | 34 | 21,424 | 97.1 | 11.6 | 58.1 | 160.1 |
| DKC 67-57 | Monsanto | Y | R | Gen VT3P | 68 | 89 | 29 | 21,780 | 97.8 | 12.0 | 59.5 | 159.2 |
| REV® 26HR50™ | Terral Seed Inc. | Y | R | HX1/LL/RR | 73 | 99 | 30 | 21,445 | 99.0 | 12.0 | 60.2 | 158.7 |
| GA 28V81 | Golden Acres Genetics | Y | R | VT3P | 70 | 101 | 39 | 20,859 | 95.3 | 11.3 | 57.7 | 156.0 |
| DKC 66-96 | Monsanto | Y | R | Gen VT3P | 69 | 89 | 31 | 23,120 | 97.8 | 11.5 | 57.6 | 155.8 |
| REV® 26HR23™ | Terral Seed Inc. | Y | R | HX1/LL/RR | 74 | 104 | 36 | 21,445 | 99.8 | 11.9 | 60.4 | 151.6 |
| REV® 27HR52™ | Terral Seed Inc. | Y | R | YGCB/HX1/LL/RR | 73 | 98 | 31 | 20,775 | 98.5 | 12.9 | 59.9 | 150.2 |
| Integra 9630 | Wilbur-Ellis Company | Y | R | VT3PRO | 69 | 92 | 29 | 22,701 | 96.0 | 11.7 | 57.1 | 148.9 |
| Integra 9631 | Wilbur-Ellis Company | Y | R | VT3PRO | 69 | 96 | 30 | 22,367 | 100.0 | 11.4 | 56.8 | 148.1 |
| N78S-3111 | Syngenta | Y | R | BL/GT/CB/LL/RW | 71 | 97 | 34 | 20,356 | 97.0 | 11.5 | 56.7 | 146.6 |
| REV® 28R10™ | Terral Seed Inc. | Y | R | RR | 74 | 105 | 37 | 21,529 | 92.3 | 11.4 | 59.4 | 146.2 |
| TRX29510HL | Triumph Seed Co., Inc. | Y | * | HXI/LL | 72 | 95 | 35 | 22,031 | 95.5 | 11.4 | 58.1 | 145.7 |
| GA G5531 | Golden Acres Genetics | Y | R | VT3P | 68 | 91 | 26 | 22,115 | 94.3 | 12.4 | 60.3 | 145.1 |
| REV® 27HR83™ | Terral Seed Inc. | Y | R | HX1/LL/RR | 71 | 102 | 36 | 21,948 | 98.5 | 12.7 | 59.2 | 144.6 |
| Integra 9613 | Wilbur-Ellis Company | Y | P | VT3PRO | 68 | 92 | 32 | 21,613 | 97.3 | 12.2 | 58.3 | 144.4 |
| REV® 29HR13™ | Terral Seed Inc. | Y | R | HX1/LL/RR | 74 | 107 | 36 | 19,518 | 97.3 | 12.2 | 58.8 | 142.9 |
| N74G-3000GT | Syngenta | Y | R | GT/CB/LL/RW | 70 | 95 | 35 | 21,864 | 97.5 | 10.8 | 56.7 | 141.5 |
| Fill REV® 28R10™ | Terral Seed Inc. | Y | R | RR | 74 | 107 | 36 | 21,361 | 93.0 | 12.8 | 59.4 | 139.8 |
| GA 27V01 | Golden Acres Genetics | Y | R | VT3P | 75 | 99 | 32 | 21,864 | 80.0 | 10.3 | 54.7 | 139.0 |
| REV® 28HR20™ | Terral Seed Inc. | Y | R | HX1/LL/RR | 75 | 110 | 37 | 22,115 | 94.5 | 11.2 | 59.0 | 139.0 |
| N72Q-3111 | Syngenta | Y | R | BL/GT/CB/LL/RW | 71 | 93 | 34 | 20,691 | 92.3 | 10.2 | 56.0 | 136.9 |
| GA 26V21 | Golden Acres Genetics | Y | W | VT3P | 73 | 98 | 31 | 20,858 | 91.3 | 11.0 | 58.3 | 136.6 |
| 7514X | Triumph Seed Co., Inc. | Y | W | HXXT/RR | 74 | 100 | 34 | 21,026 | 85.8 | 11.5 | 57.9 | 135.4 |
| N77P-3111 | Syngenta | Y | R | BL/GT/CB/LL/RW | 72 | 98 | 36 | 21,445 | 95.3 | 11.7 | 56.1 | 131.2 |
| 1711X | Triumph Seed Co., Inc. | Y | W | HXXT/RR | 74 | 108 | 43 | 20,943 | 83.0 | 11.6 | 58.2 | 126.4 |

Table 8A. Bardwell Corn Performance, Bob and Steve Beakley Farm, Bardwell, Texas.

| Hybrid (1) | Company or Brand Name | Grain Color (2) | Cob Color (3) | Type GE (4) | Days to 50% Silk | Plant Ht. In. | Ear Ht. In. | Plant Pop. Per Acre | % Erect Plants | Mois-ture % | Test Wt. lb/bu | Yield bu/A (5) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | | | | | 71.2 | 97.4 | 33.5 | 21,584 | 95.16 | 11.6 | 58.1 | 148.0 |
| C.V. | | | | | 1.14 | 3.05 | 7.99 | 6.04 | 5.08 | 8.10 | 0.82 | 6.3 |
| L.S.D. .05 | | | | | 1.17 | 4.29 | 3.87 | NS | 6.99 | 1.36 | 0.69 | 13.5 |

Note 1: All data was analyzed using REMLTOOL. L.S.D.'s are given for traits that were significantly different at P<.05.

Note 2: Those hybrids entered by Texas A&M AgriLife Research are being tested as check hybrids.
Please contact respective seed companies for the availability of planting seed for the upcoming crop year.

(1) Monsanto DKC64-69 was entered 4 times as a fill hybrid in the test at our discretion.
They were analyzed separately, but combined in the table as a single entry. They are intended to be used for comparison purposes only.

(2) Grain color designated by respective seed companies: Y=Yellow, W=White. An asterisk (*) indicates company did not submit grain color.

(3) Cob color designated by respective seed companies: R=Red, W=White, P=Pink. An asterisk (*) indicates company did not submit cob color.

(4) Genetically enhanced hybrid submitted by respective seed companies. B.t.=Bacillus thuringiensis, YG= YieldGuard, CRW= Corn Root Worm, HX= Herculuex, LL= Liberty Link, RR= Roundup Ready, CL= Clearfield, CB= Corn Borer, BL= Broad Lepidoptera (Agrisure Viptera).
Please check with respective seed companies for details on a GE hybrid.

(5) Yields corrected to 15.5% moisture

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Please visit the Crop Testing webpage at http://varietytesting.tamu.edu

Table 8B. Three Year Summary (2010-2012), Corn Performance Test, Bardwell, Texas.

| Hybrid (1) | Company or Brand Name | 2012 Rank | 2012 Yield bu/A | 2011 Rank | 2011 Yield bu/A | 2010 Rank | 2010 Yield bu/A |
|---|---|---|---|---|---|---|---|
| DKC 62-09 | Monsanto Company | 1 | 165.4 | -- | -- | -- | -- |
| DKC 64-69 | Monsanto Company | 2 | 165.3 | 1 | 91.4 | -- | -- |
| Fill (DKC 64-69) | Texas A&M AgriLife Research | 3 | 160.1 | 2 | 85.2 | -- | -- |
| DKC 67-57 | Monsanto Company | 4 | 159.2 | -- | -- | -- | -- |
| REV® 26HR50™ | Terral Seed, Inc | 5 | 158.7 | 21 | 59.7 | 2 | 118.3 |
| GA 28V81 | Golden Acres Genetics | 6 | 156.0 | 8 | 69.3 | 13 | 107.2 |
| DKC 66-96 | Monsanto Company | 7 | 155.8 | 6 | 69.7 | 6 | 112.3 |
| REV® 26HR23™ | Terral Seed, Inc | 8 | 151.6 | -- | -- | -- | -- |
| REV® 27HR52™ | Terral Seed, Inc | 9 | 150.2 | 33 | 39.5 | -- | -- |
| Integra 9630 | Wilbur-Ellis Company | 10 | 148.9 | -- | -- | -- | -- |
| Integra 9631 | Wilbur-Ellis Company | 11 | 148.1 | -- | -- | -- | -- |
| N78S-3111 | Syngenta Seeds | 12 | 146.6 | 3 | 74.6 | -- | -- |
| REV® 28R10™ | Terral Seed, Inc | 13 | 146.2 | 30 | 48.8 | 5 | 113.2 |
| TRX29510HL | Triumph Seed Co., Inc | 14 | 145.7 | -- | -- | -- | -- |
| GA G5531 | Golden Acres Genetics | 15 | 145.1 | -- | -- | -- | -- |
| REV® 27HR83™ | Terral Seed, Inc | 16 | 144.6 | -- | -- | -- | -- |
| Integra 9613 | Wilbur-Ellis Company | 17 | 144.4 | 22 | 58.2 | 18 | 101.0 |
| REV® 29HR13™ | Terral Seed, Inc | 18 | 142.9 | -- | -- | -- | -- |
| N74G-3000GT | Syngenta Seeds | 19 | 141.5 | -- | -- | -- | -- |
| Fill (REV® 28R10™) | Terral Seed, Inc | 20 | 139.8 | -- | -- | -- | -- |
| GA 27V01 | Golden Acres Genetics | 21 | 139.0 | 14 | 64.9 | 24 | 94.5 |
| REV® 28HR20™ | Terral Seed, Inc | 22 | 139.0 | 25 | 54.0 | -- | -- |
| N72Q-3111 | Syngenta Seeds | 23 | 136.9 | 10 | 67.5 | -- | -- |
| GA 26V21 | Golden Acres Genetics | 24 | 136.6 | -- | -- | 29 | 90.3 |
| 7514X | Triumph Seed Co., Inc | 25 | 135.4 | -- | -- | 35 | 83.5 |
| N77P-3111 | Syngenta Seeds | 26 | 131.2 | -- | -- | -- | -- |
| 1711X | Triumph Seed Co., Inc | 27 | 126.4 | 18 | 61.6 | -- | -- |
| DKC 68-05 | Monsanto Company | -- | -- | 4 | 73.0 | 14 | 106.3 |
| N82V-3000 GT Brand | Syngenta Seeds | -- | -- | 5 | 71.7 | 8 | 109.5 |
| GA 2506 | Golden Acres Genetics | -- | -- | 7 | 69.4 | -- | -- |

Table 8B. Three Year Summary (2010-2012), Corn Performance Test, Bardwell, Texas.

| Hybrid (1) | Company or Brand Name | 2012 Rank | 2012 Yield bu/A | 2011 Rank | 2011 Yield bu/A | 2010 Rank | 2010 Yield bu/A |
|---|---|---|---|---|---|---|---|
| Integra 9676 VTPRO | Wilbur-Eliis Company | -- | -- | 9 | 68.9 | 30 | 89.1 |
| GA 26V31 | Golden Acres Genetics | -- | -- | 11 | 66.2 | 21 | 98.7 |
| REV® 27HR32™ | Terral Seed, Inc | -- | -- | 12 | 65.2 | -- | -- |
| 7514X | Triumph Seed Co., Inc | -- | -- | 13 | 65.1 | -- | -- |
| Armor 1655 PRO | Armor Seeds | -- | -- | 15 | 64.7 | 1 | 119.1 |
| REV® 25HR49™ | Terral Seed, Inc | -- | -- | 16 | 63.6 | 7 | 109.6 |
| Armor 1545 PRO | Armor Seeds | -- | -- | 17 | 63.2 | 38 | 70.0 |
| N72F-3000GT | Syngenta Seeds | -- | -- | 19 | 61.0 | -- | -- |
| M8045 | Golden Acres Genetics | -- | -- | 20 | 60.5 | -- | -- |
| Armor 1262 DPRO | Armor Seeds | -- | -- | 23 | 56.8 | -- | -- |
| Armor 1161 PRO (V) | Armor Seeds | -- | -- | 24 | 55.3 | 15 | 105.7 |
| Armor 1539 PRO | Armor Seeds | -- | -- | 26 | 53.8 | -- | -- |
| P2023HR | Pioneer Hi-Bred Int., Inc. | -- | -- | 27 | 53.7 | -- | -- |
| Armor 1415 PRO | Armor Seeds | -- | -- | 28 | 52.6 | -- | -- |
| REV® 28HR30™ | Terral Seed, Inc | -- | -- | 29 | 51.2 | 27 | 92.9 |
| Integra 9665 VTPRO | Wilbur-Ellis Company | -- | -- | 31 | 47.0 | -- | -- |
| REV® 26HR22™ | Terral Seed, Inc | -- | -- | 32 | 46.3 | -- | -- |
| REV® 26HR82™ | Terral Seed, Inc | -- | -- | 34 | 34.7 | -- | -- |
| Number of Entries | | 27 | | 34 | | 38 | |
| Test Mean Yield | | | 148.0 | | 65.0 | | 99.0 |

Table 9. AGRONOMIC AND TEST INFORMATION: FARMERSVILLE

| | |
|---|---|
| TEST: | 2012 Rain-fed Corn Performance Test |
| LOCATION: | Kenneth Wright Farm, Farmersville, Texas |
| COLLABORATOR: | Russell Sutton |
| SOIL TYPE: | Houston black clay |
| ROW WIDTH: | 30" |
| PREVIOUS CROP: | Wheat |
| LAND PREPARATION: | Sprayed Roundup as a burn-down |
| DATE PLANTED: | 3-29-12: Planted flat with a belt planter mounted on JD Max-Emerge 2 Units. |
| PLOT LENGTH: | 25.5' |
| FERTILIZER: | Applied at planting 6.5 gal/A of 10+34+0 (7.5 lb/A N + 25 lb/A P) + 1.0 qt/A Zn in-furrow<br>Side-dressed 42 gal/A of 32+0+0 at lay-by (150 lb/A N) |
| HERBICIDE: | Applied 1.0 qt/A of Atrazine + 2 pt/A Dual |
| INSECTICIDE: | None, seeds were required to be treated with a seed insecticide |
| RAINFALL: | Rainfall was not recorded at the test block; however, according to Mr. Sutton, the test block received timely and beneficial rains until late-June. |
| DATE HARVESTED: | 8-23-12 with a JD 3300 plot combine equipped with Grain Gauge |
| SIZE HARVESTED PLOT: | 2 rows, 25.5' long |
| TEST DESIGN: | Randomized complete block |
| NUMBER ENTRIES: | 35 |
| NUMBER REPLICATIONS: | 4 |
| NUMBER ROWS/PLOT: | 2 |
| MEAN PLANT POP: | 18,417 plants/A |
| TEST MEAN: | 132.6 bu/A; yields corrected to 15.5% moisture |
| TEST C.V.: | 6.3% |

COMMENTS: Outstanding yields were attained at this northern Blacklands test site. The season started with a full profile of moisture from fall and winter rains. The optimum planting date was delayed approximately two weeks due to wet soil conditions. Seedling emergence was rapid and early plant growth resulted from a good fertilization program and additional rainfall. Weeds and grasses were controlled with a post-plant application of Atrazine + Dual.

Continued plant growth and development resulted from timely rainfall during the tassel-silk stage. Due to the favorable growing conditions, the number of days to achieve 50% silk averaged 60.7 days for the test. Additional rainfall during the grain fill stage enhanced final yields.

The test mean yield was 132.6 bu/A compared to 96.8 bu/A in 2011. Excellent test weights were also recorded with the range being from 53.7 lb/bu to 60.5 lb/bu, or a test mean of 57.9 lb/bu. The incidence of lodging was very low.

Appreciation is expressed to Mr. Russell Sutton for providing agronomic practices, monitoring the test, and securing notes throughout the growing season.

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Table 9A. Farmersville Corn Performance Test, Wright Farms, Farmersville, Texas.

| Hybrid (1) | Company or Brand Name | Grain Color (2) | Cob Color (3) | Type GE (4) | Days to 50% Silk | Plant Ht. In. | Ear Ht. In. | Plant Pop. Per Acre | % Erect Plants | Test Wt. lb/bu | Yield bu/A (5) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DKC 62-09 | Monsanto | Y | R | Gen VT3P | 57 | 86 | 37 | 18,962 | 100.0 | 57.9 | 155.3 |
| REV® 26HR50™ | Terral Seed Inc. | Y | R | HX1/LL/RR | 64 | 95 | 32 | 18,876 | 100.0 | 60.4 | 147.0 |
| X11140VT3P | B-H Genetics | Y | R | GENVT3P | 59 | 82 | 32 | 18,534 | 100.0 | 59.0 | 146.0 |
| REV® 28HR20™ | Terral Seed Inc. | Y | R | HX1/LL/RR | 65 | 101 | 40 | 18,620 | 99.5 | 59.7 | 143.2 |
| REV® 27HR83™ | Terral Seed Inc. | Y | R | HX1/LL/RR | 59 | 97 | 37 | 18,962 | 100.0 | 59.4 | 141.7 |
| DKC 67-57 | Monsanto | Y | R | Gen VT3P | 58 | 83 | 36 | 18,705 | 100.0 | 59.6 | 141.2 |
| REV® 29HR13™ | Terral Seed Inc. | Y | R | HX1/LL/RR | 63 | 99 | 39 | 17,424 | 100.0 | 58.4 | 140.5 |
| REV® 26HR23™ | Terral Seed Inc. | Y | R | HX1/LL/RR | 64 | 95 | 36 | 18,449 | 100.0 | 60.5 | 140.1 |
| N78S-3111 | Syngenta | Y | R | BL/GT/CB/LL/RW | 61 | 93 | 36 | 19,559 | 100.0 | 55.9 | 139.0 |
| GA G5531 | Golden Acres Genetics | Y | R | VT3P | 57 | 88 | 31 | 17,680 | 100.0 | 59.6 | 138.7 |
| DKC 68-05 | Monsanto | Y | P | Gen VT3P | 61 | 85 | 34 | 18,791 | 100.0 | 58.3 | 136.1 |
| GA 28V81 | Golden Acres Genetics | Y | W | VT3P | 62 | 93 | 40 | 19,303 | 100.0 | 58.4 | 136.1 |
| Fill REV® 28R10™ | Terral Seed Inc. | Y | R | RR | 65 | 98 | 37 | 17,595 | 99.5 | 59.6 | 135.8 |
| 7514X | Triumph Seed Co., Inc. | Y | W | HXXT/RR | 62 | 95 | 36 | 18,534 | 100.0 | 57.0 | 134.7 |
| DKC 64-69 | Monsanto | Y | R | Gen VT3P | 58 | 85 | 34 | 18,278 | 99.0 | 57.8 | 134.6 |
| N82V-3111 | Syngenta | Y | R | BL/GT/CB/LL/RW | 59 | 100 | 34 | 17,510 | 100.0 | 57.9 | 133.9 |
| Fill | Texas A&M AgriLife Res. | Y | R | Gen VT3P | 58 | 87 | 35 | 18,421 | 99.1 | 57.8 | 132.9 |
| REV® 27HR52™ | Terral Seed Inc. | Y | R | YGCB/HX1/LL/RR | 63 | 92 | 32 | 16,997 | 100.0 | 59.1 | 132.6 |
| BH 8492SS | B-H Genetics | Y | P | GENSS | 59 | 89 | 31 | 18,876 | 100.0 | 57.4 | 130.7 |
| Integra 9631 | Wilbur-Ellis Company | Y | R | VT3PRO | 60 | 87 | 31 | 18,278 | 100.0 | 56.5 | 129.4 |
| BH 8630VTTP | B-H Genetics | Y | R | GENVT3P | 60 | 90 | 33 | 18,791 | 98.8 | 59.1 | 129.3 |
| BH 8740VTTP | B-H Genetics | Y | R | GENVT3P | 60 | 90 | 36 | 18,193 | 100.0 | 59.1 | 127.9 |
| GA 26V21 | Golden Acres Genetics | Y | W | VT3P | 61 | 91 | 32 | 18,620 | 100.0 | 57.6 | 127.5 |
| Integra 9613 | Wilbur-Ellis Company | Y | P | VT3PRO | 60 | 87 | 33 | 18,791 | 100.0 | 57.2 | 127.2 |
| Integra 9630 | Wilbur-Ellis Company | Y | R | VT3PRO | 58 | 92 | 34 | 18,449 | 100.0 | 56.3 | 126.2 |

Table 9A. Farmersville Corn Performance Test, Wright Farms, Farmersville, Texas.

| Hybrid (1) | Company or Brand Name | Grain Color (2) | Cob Color (3) | Type GE (4) | Days to 50% Silk | Plant Ht. In. | Ear Ht. In. | Plant Pop. Per Acre | % Erect Plants | Test Wt. lb/bu | Yield bu/A (5) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BH 8570VTTP | B-H Genetics | Y | R | GENVT3P | 59 | 89 | 30 | 18,620 | 100.0 | 56.5 | 125.0 |
| REV® 28R10™ | Terral Seed Inc. | Y | R | RR | 65 | 95 | 35 | 17,595 | 100.0 | 59.1 | 123.6 |
| TRX29510HL | Triumph Seed Co., Inc. | Y | R | HXI/LL | 64 | 88 | 38 | 18,791 | 100.0 | 58.1 | 123.5 |
| N77P-3111 | Syngenta | Y | R | BL/GT/CB/LL/RW | 62 | 90 | 36 | 18,449 | 100.0 | 55.4 | 123.3 |
| TRX21354H | Triumph Seed Co., Inc. | Y | P | HXI/RR | 63 | 94 | 37 | 17,937 | 100.0 | 55.1 | 120.8 |
| 1711X | Triumph Seed Co., Inc. | Y | W | HXXT/RR | 65 | 99 | 43 | 18,193 | 100.0 | 58.2 | 120.0 |
| N74G-3000GT | Syngenta | Y | R | GT/CB/LL/RW | 60 | 85 | 33 | 19,303 | 99.5 | 56.0 | 116.9 |
| TRX21343H | Triumph Seed Co., Inc. | Y | W | HXI/RR | 61 | 88 | 35 | 17,680 | 99.0 | 53.7 | 115.3 |
| Mean | | | | | 60.7 | 90.8 | 34.9 | 18,417 | 99.79 | 57.9 | 132.6 |
| C.V. | | | | | 2.72 | 3.07 | 6.25 | 5.55 | 0.79 | 0.89 | 6.3 |
| L.S.D. .05 | | | | | 2.38 | 4.01 | 3.14 | 1,470 | NS | 0.74 | 12.0 |

Note 1: All data was analyzed using REMLTOOL. L.S.D.'s are given for traits that were significantly different at P<.05.



Note 2: Those hybrids entered by Texas A&M AgriLife Research are being tested as check hybrids.
Please contact respective seed companies for the availability of planting seed for the upcoming crop year.

Note 3: Due to a malfunctioning moisture blade on the combine, a number of samples were caught and moisture determined with a bench type moisture meter. An average of 12% was determined and applied to all hybrids. Yields were then corrected to 15.5% moisture.

Note 4: Appreciation is expressed to Mr. Russell Sutton, Assistant Research Scientist, Texas A&M AgriLife Research, Commerce, Texas for providing assistance in planting, mointoring and collecting notes.

(1) Monsanto DKC64-69 was entered 3 times as a fill hybrid in the test at our discretion.
They were analyzed separately, but combined in the table as a single entry. They are intended to be used for comparison purposes only.

(2) Grain color designated by respective seed companies: Y=Yellow, W=White. An asterisk (*) indicates company did not submit grain color.

(3) Cob color designated by respective seed companies: R=Red, W=White, P=Pink. An asterisk (*) indicates company did not submit cob color.

(4) Genetically enhanced hybrid submitted by respective seed companies. B.t.=Bacillus thuringiensis, YG= YieldGuard, CRW= Corn Root Worm, HX= Herculuex, LL= Liberty Link, RR= Roundup Ready, CL= Clearfield, CB= Corn Borer, BL= Broad Lepidoptera (Agrisure Viptera).
Please check with respective seed companies for details on a GE hybrid.

Table 9A. Farmersville Corn Performance Test, Wright Farms, Farmersville, Texas.

| Hybrid (1) | Company or Brand Name | Grain Color (2) | Cob Color (3) | Type GE (4) | Days to 50% Silk | Plant Ht. In. | Ear Ht. In. | Plant Pop. Per Acre | % Erect Plants | Test Wt. lb/bu | Yield bu/A (5) |
|---|---|---|---|---|---|---|---|---|---|---|---|

(5) Yields corrected to 15.5% moisture

For further information about this report, contact Mr. Dennis Pietsch, Crop Testing Director, Texas A&M AgriLife Research, College Station, TX (979) 845-8505, dpietsch@ag.tamu.edu

Please visit the Crop Testing webpage at http://varietytesting.tamu.edu

Table 9B. Three Year Summary (2010-2012), Corn Performance Test, Farmersville, Texas.

| Hybrid (1) | Company or Brand Name | 2012 Rank | 2012 Yield bu/A | 2011 Rank | 2011 Yield bu/A | 2010 Rank | 2010 Yield bu/A |
|---|---|---|---|---|---|---|---|
| DKC 62-09 | Monsanto Company | 1 | 155.3 | -- | -- | -- | -- |
| REV® 26HR50™ | Terral Seed, Inc. | 2 | 147.0 | 16 | 97.9 | -- | -- |
| X11140VT3P | B-H Genetics | 3 | 146.0 | -- | -- | -- | -- |
| REV® 28HR20™ | Terral Seed, Inc. | 4 | 143.2 | 3 | 107.3 | -- | -- |
| REV® 27HR83™ | Terral Seed Inc. | 5 | 141.7 | -- | -- | -- | -- |
| DKC 67-57 | Monsanto Company | 6 | 141.2 | -- | -- | -- | -- |
| REV® 29HR13™ | Terral Seed Inc. | 7 | 140.5 | -- | -- | -- | -- |
| REV® 26HR23™ | Terral Seed Inc. | 8 | 140.1 | -- | -- | -- | -- |
| N78S-3111 | Syngenta Seeds | 9 | 139.0 | 9 | 100.1 | -- | -- |
| GA G5531 | Golden Acres Genetics | 10 | 138.7 | -- | -- | -- | -- |
| DKC 68-05 | Monsanto Company | 11 | 136.1 | 1 | 108.7 | -- | -- |
| GA 28V81 | Golden Acres Genetics | 12 | 136.1 | 19 | 94.7 | -- | -- |
| Fill (REV® 28R10™) | Terral Seed Inc. | 13 | 135.8 | -- | -- | -- | -- |
| 7514X | Triumph Seed Co., Inc. | 14 | 134.7 | 4 | 107.1 | -- | -- |
| DKC 64-69 | Monsanto Company | 15 | 134.6 | 14 | 98.8 | -- | -- |
| N82V-3111 | Syngenta Seeds | 16 | 133.9 | -- | -- | -- | -- |
| Fill (DKC 64-69) | Texas AgriLife Research | 17 | 132.9 | 2 | 108.0 | -- | -- |
| REV® 27HR52™ | Terral Seed, Inc. | 18 | 132.6 | 32 | 79.4 | -- | -- |
| BH 8492SS | B-H Genetics | 19 | 130.7 | 10 | 99.5 | -- | -- |
| Integra 9631 | Wilbur-Ellis Company | 20 | 129.4 | -- | -- | -- | -- |
| BH 8630VTTP | B-H Genetics | 21 | 129.3 | -- | -- | -- | -- |
| BH 8740VTTP | B-H Genetics | 22 | 127.9 | -- | -- | -- | -- |
| GA 26V21 | Golden Acres Genetics | 23 | 127.5 | 21 | 92.7 | -- | -- |
| Integra 9613 | Wilbur-Ellis Company | 24 | 127.2 | -- | -- | -- | -- |
| Integra 9630 | Wilbur-Ellis Company | 25 | 126.2 | -- | -- | -- | -- |
| BH 8570VTTP | B-H Genetics | 26 | 125.0 | 33 | 76.6 | -- | -- |
| REV® 28R10™ | Terral Seed Inc. | 27 | 123.6 | -- | -- | -- | -- |
| TRX 29510HL | Triumph Seed Co., Inc. | 28 | 123.5 | -- | -- | -- | -- |
| N77P-3111 | Syngenta Seeds | 29 | 123.3 | 5 | 106.6 | -- | -- |
| TRX 21354H | Triumph Seed Co., Inc. | 30 | 120.8 | -- | -- | -- | -- |

Table 9B. Three Year Summary (2010-2012), Corn Performance Test, Farmersville, Texas.

| Hybrid (1) | Company or Brand Name | 2012 Rank | 2012 Yield bu/A | 2011 Rank | 2011 Yield bu/A | 2010 Rank | 2010 Yield bu/A |
|---|---|---|---|---|---|---|---|
| 1711X | Triumph Seed Co., Inc. | 31 | 120.0 | 8 | 103.0 | -- | -- |
| N74G-3000GT | Syngenta Seeds | 32 | 116.9 | -- | -- | -- | -- |
| TRX 21343H | Triumph Seed Co., Inc. | 33 | 115.3 | -- | -- | -- | -- |
| Armor 1655 PRO | Armor Seeds | -- | -- | 6 | 105.2 | -- | -- |
| BH8844VTTP | B-H Genetics | -- | -- | 7 | 103.8 | -- | -- |
| Armor 1545 PRO | Armor Seeds | -- | -- | 11 | 98.9 | -- | -- |
| BH8895VTTP | B-H Genetics | -- | -- | 12 | 98.9 | -- | -- |
| BH8928VTTP | B-H Genetics | -- | -- | 13 | 98.9 | -- | -- |
| N72D-3111 | Syngenta Seeds | -- | -- | 15 | 98.3 | -- | -- |
| GA G2506 | Golden Acres Genetics | -- | -- | 17 | 95.1 | -- | -- |
| REV® 27HR32™ | Terral Seed, Inc. | -- | -- | 18 | 94.8 | -- | -- |
| REV® 28HR10™ | Terral Seed, Inc. | -- | -- | 20 | 93.4 | -- | -- |
| Armor 1611 PRO (V) | Armor Seeds | -- | -- | 22 | 90.9 | -- | -- |
| N72F-3000GT | Syngenta Seeds | -- | -- | 23 | 90.9 | -- | -- |
| REV™ 25HR49™ | Terral Seed, Inc. | -- | -- | 24 | 90.8 | -- | -- |
| REV 26HR82™ | Terral Seed, Inc. | -- | -- | 25 | 90.0 | -- | -- |
| DKC 66-96 | Monsanto Company | -- | -- | 26 | 89.9 | -- | -- |
| REV® 28HR30™ | Terral Seed, Inc. | -- | -- | 27 | 88.3 | -- | -- |
| REV® 26HR22™ | Terral Seed, Inc. | -- | -- | 28 | 87.2 | -- | -- |
| X10073VT3 | B-H Genetics | -- | -- | 29 | 85.3 | -- | -- |
| Armor 1539 PRO | Armor Seeds | -- | -- | 30 | 85.2 | -- | -- |
| Armor 1262DPRO | Armor Seeds | -- | -- | 31 | 84.6 | -- | -- |
| Armor 1415 PRO | Armor Seeds | -- | -- | 34 | 74.1 | -- | -- |
| Number of Entries | | 33 | | 34 | | -- | |
| Mean Yield | | | 132.6 | | 96.8 | | -- |

**2010 Not Published Due to High CV

| Table 10. | AGRONOMIC AND TEST INFORMATION: DUMAS |
|---|---|
| TEST: | 2012 Irrigated Corn Performance Test |
| LOCATION: | Lone Star Family Farms, Sunray, Texas |
| COOPERATORS: | Justin Crownover (Farmer) and Marcel Fischbacher (Moore Co. CEA) |
| SOIL TYPE: | Sherman silty clay loam |
| ROW WIDTH: | 30" |
| PREVIOUS CROP: | Grain Sorghum |
| LAND PREPARATION: | Striptill behind grain sorghum |
| DATE PLANTED: | 4-24-12: Planted with cones mounted on an ALMACO planter using JD Max-Emerge II units |
| PLOT LENGTH: | 26' |
| FERTILIZER: | 11-17-11: Applied 126 lb/A of N as Anhydrous Ammonia when field was strip-tilled<br>Applied 125 lb/A of N as 32-0-0 by fertigation during growing season<br>15+54+0 as compost |
| HERBICIDE: | 3-15-12: Applied 1.5 oz/A of Sharpen + 1.5 lb/A Ammonium Sulfate+ 12 oz/A MSO (adjuvant)<br>4-26-12: Applied 1.5 qt/A of Harness Xtra + 10 oz/A Atrazine + 3 oz/A of Balance Flexx + 28 oz/A Roundup + 6 oz/A Choice + 8 oz/A of 2,4-D<br>5-24-12: Applied 4.7 oz/A of Celebrity Plus + 3 oz/A Laudis + 2 lb/A of Ammonium Sulfate + 2 oz/A NIS (Surfactant) |
| INSECTICIDE: | None, seeds were required to be treated with a seed insecticide |
| FUNGICIDE: | 6-21-12: Applied 6 oz/A of Headline + 1 pt/A of Crop Oil |
| MITICIDE: | Applied Comite at label rate during the tassel-silk stage |
| RAINFALL: | 4.8” during the growing season |
| IRRIGATIONS: | 25.0” were applied through a center pivot system during growing season |
| DATE HARVESTED: | 10-4-12, with a JD 3300 plot combine equipped with Grain Gauge system |
| SIZE HARVESTED PLOT: | 2 rows, 26' long |
| TEST DESIGN: | Randomized complete block |
| NUMBER ENTRIES: | 30 |
| NUMBER REPLICATIONS: | 4 |

| | |
|---|---|
| NUMBER ROWS/PLOT: | 2 |
| MEAN PLANT POP: | 32,000 plants/A |
| TEST MEAN: | 207.7 bu/A; yields corrected to 15.5% moisture |
| TEST C.V.: | 7.69% |

COMMENTS: This test site located near Sunray is representative of conditions in the Northern High Plains of Texas, Crop Reporting District 1N, and is a major corn producing area in Texas. It is estimated that farmers in this District harvest approximately 40% of Texas' corn acreage annually.

Yields at this site do not reflect the potential of corn in this area. An optimum planting date was secured and excellent plant stands were achieved. An outstanding fertilization program provided the necessary nutrients for continuous plant growth and development. Excellent weed and grass control was maintained through a wide variety of herbicide applications throughout the growing season.

However, approximately two weeks prior to the tassel-silk stage, the test block suffered significant hail damage from a severe thunderstorm. It appeared the south end of the test block suffered more damage than the north end. An application of Headline and crop oil was applied on 6-21 as a preventative measure against disease susceptibility and further injury to hail damaged plants. According to the label, this product helps prevent disease and promotes improved plant health.

The test mean yield was 207.7 bu/A compared to the past 3-year average of 240.1 bu/A. Despite the hail damage, lodging was not a problem as reflected in the yield table. Excellent test weights were recorded with the test mean being 58.9 lb/bu.

Appreciation is expressed to Mr. Marcel Fischbacher, Texas A&M AgriLife Extension Agent, Moore County, for assisting in collecting notes and maintaining the test site.

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For further information about this report or for the Texas A&M AgriLife Research Crop Testing Program, contact Mr. Dennis Pietsch, Crop Testing Director, Texas A&M AgriLife Research, College Station, TX, (979) 845-8505, dpietsch@ag.tamu.edu

Please visit the Texas A&M AgriLife Crop Testing Program webpage at http://varietytesting.tamu.edu

Table 10A. Dumas/Sunray Corn Performance Test, Justin Crownover Farm, Sunray, Texas.

| Hybrid (1) | Company or Brand Name | Grain Color (2) | Cob Color (3) | Type GE (4) | Days to 50% Silk | Plant Ht. In. | Ear Ht. In. | Plant Pop. Per Acre | % Erect Plants | Moist-ure % | Test Wt. lb/bu | Yield bu/A (5) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fill 1 | Texas A&M AgriLife Res. | Y | R | HXI/RR | 73 | 104 | 52 | 33,089 | 98.5 | 16.1 | 57.2 | 256.9 |
| 1725H | Triumph Seed Co., Inc. | Y | R | HXI/RR | 73 | 102 | 49 | 32,586 | 96.0 | 16.0 | 57.3 | 256.6 |
| 2V707 | Mycogen Seeds | Y | R | SSX | 72 | 96 | 46 | 34,429 | 96.8 | 13.6 | 59.4 | 240.5 |
| TRX21554H | Triumph Seed Co., Inc. | Y | * | HXI/RR | 72 | 95 | 49 | 32,167 | 95.6 | 16.6 | 56.3 | 237.9 |
| 1217S | Triumph Seed Co., Inc. | Y | R | SSX | 72 | 95 | 46 | 34,345 | 96.9 | 14.0 | 59.4 | 232.7 |
| 7514S | Triumph Seed Co., Inc. | Y | W | SSX | 73 | 106 | 48 | 31,497 | 91.3 | 15.4 | 57.3 | 227.1 |
| 1157X | Triumph Seed Co., Inc. | Y | P | HXXT/RR | 72 | 97 | 53 | 33,591 | 93.7 | 12.1 | 57.9 | 224.5 |
| 2A787 | Mycogen Seeds | Y | R | HXXT | 72 | 95 | 44 | 32,084 | 95.0 | 14.3 | 58.9 | 221.8 |
| REV® 28HR29™ | Terral Seed Inc. | Y | R | HX1/LL/RR | 75 | 105 | 48 | 34,848 | 93.3 | 16.6 | 58.9 | 220.3 |
| 2V715 | Mycogen Seeds | Y | R | HXXT | 71 | 96 | 50 | 34,764 | 93.5 | 12.3 | 56.6 | 217.4 |
| Fill 2 | Texas A&M AgriLife Res. | Y |  | Pro3 | 70 | 97 | 42 | 31,581 | 89.7 | 14.6 | 60.4 | 216.4 |
| 1329H | Triumph Seed Co., Inc. | Y | W | HXI/RR | 73 | 101 | 50 | 31,162 | 97.3 | 14.3 | 56.1 | 213.4 |
| 2V738 | Mycogen Seeds | Y | R | SSX | 73 | 95 | 48 | 33,759 | 93.6 | 12.6 | 59.2 | 212.7 |
| GA G5531 | Golden Acres Genetics | Y | R | VT3P | 70 | 95 | 42 | 31,665 | 92.6 | 14.6 | 60.2 | 212.6 |
| Armor 1550 Pro3 | Armor Seed | Y | * | Pro3 | 71 | 97 | 44 | 30,576 | 94.5 | 14.7 | 60.1 | 206.5 |
| DKC 62-97 | Monsanto | Y | R | Gen VT3P | 70 | 94 | 41 | 31,665 | 95.8 | 13.5 | 59.8 | 204.9 |
| Armor 1161 Pro2 | Armor Seed | Y | * | Pro2 | 72 | 95 | 39 | 32,838 | 94.6 | 13.3 | 59.2 | 204.3 |
| Fill 3 | Texas A&M AgriLife Res. | Y | P | Gen VT3P | 71 | 92 | 47 | 29,822 | 88.2 | 14.0 | 59.7 | 200.4 |
| DKC 63-07 | Monsanto | Y | R | Gen VT3P | 69 | 93 | 42 | 32,000 | 94.7 | 14.0 | 59.9 | 199.4 |
| Armor 1133 Pro3 | Armor Seed | Y | * | Pro3 | 70 | 88 | 42 | 32,251 | 93.8 | 13.6 | 59.6 | 197.7 |
| GA G1518 | Golden Acres Genetics | Y | R | VT2P | 72 | 97 | 39 | 32,167 | 90.0 | 13.8 | 59.4 | 194.7 |
| GA 28V81 | Golden Acres Genetics | Y | R | VT3P | 73 | 101 | 51 | 32,921 | 85.3 | 13.9 | 60.2 | 193.6 |
| DKC 64-69 | Monsanto | Y | P | Gen VT3P | 70 | 93 | 47 | 30,324 | 83.1 | 13.6 | 59.6 | 191.5 |
| DKC 61-88 | Monsanto | Y | R | Gen VT3P | 70 | 95 | 45 | 32,921 | 85.2 | 12.1 | 58.6 | 188.6 |
| Armor 1880 Pro3 | Armor Seed | Y | * | Pro3 | 72 | 98 | 47 | 29,989 | 82.8 | 13.7 | 60.0 | 186.8 |
| Armor 1262 Pro2 | Armor Seed | Y | * | Pro2 | 71 | 98 | 41 | 30,660 | 86.7 | 14.4 | 58.6 | 181.4 |
| Armor 1415 Pro3 | Armor Seed | Y | * | Pro3 | 71 | 97 | 41 | 25,968 | 86.6 | 15.1 | 58.5 | 177.0 |

Table 10A. Dumas/Sunray Corn Performance Test, Justin Crownover Farm, Sunray, Texas.

| Hybrid (1) | Company or Brand Name | Grain Color (2) | Cob Color (3) | Type GE (4) | Days to 50% Silk | Plant Ht. In. | Ear Ht. In. | Plant Pop. Per Acre | % Erect Plants | Moist-ure % | Test Wt. lb/bu | Yield bu/A (5) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| REV® 26R60™ | Terral Seed Inc. | Y | R | RR | 72 | 102 | 43 | 30,157 | 91.5 | 13.6 | 59.4 | 173.9 |
| Armor 1330 Pro3 | Armor Seed | Y | * | Pro3 | 70 | 94 | 42 | 30,241 | 81.7 | 12.8 | 60.2 | 173.6 |
| Armor 1770 Pro3 | Armor Seed | Y | * | Pro3 | 73 | 94 | 41 | 33,927 | 78.9 | 15.1 | 59.5 | 166.1 |
| Mean | | | | | 71.4 | 96.8 | 45.2 | 32,000 | 91.2 | 14.14 | 58.91 | 207.7 |
| C.V. | | | | | 1.66 | 2.93 | 4.27 | 4.44 | 6.36 | 5.26 | 1.02 | 7.69 |
| L.S.D. .05 | | | | | 1.72 | 4.10 | 2.79 | 2,056 | 8.39 | 1.08 | 0.88 | 23.23 |

Note 1: All data was analyzed using REMLTOOL. L.S.D.'s are given for traits that were significantly different at P<.05.

(1) The following check hybrids were entered at our discretion. Fill 1 = Triumph 1725H; Fill 2 = Armor 1550 Pro3; and Fill 3 = Monsanto DKC64-69. They are intended to be used for comparison purposes only.

(2) Grain color designated by respective seed companies: Y=Yellow, W=White. An asterisk (*) indicates company did not submit grain color.

(3) Cob color designated by respective seed companies: R=Red, W=White, P=Pink. An asterisk (*) indicates company did not submit cob color.

(4) Genetically enhanced hybrid submitted by respective seed companies. B.t.=Bacillus thuringiensis, YG= YieldGuard, CRW= Corn Root Worm, HX= Herculuex, LL= Liberty Link, RR= Roundup Ready, CL= Clearfield, CB= Corn Borer, BL= Broad Lepidoptera (Agrisure Viptera). Please check with respective seed companies for details on a GE hybrid.

(5) Yields corrected to 15.5% moisture

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Please visit the Crop Testing webpage at http://varietytesting.tamu.edu

Table 10B. Three Year Summary (2010-2012), Corn Performance Test, Dumas, Texas.

| Hybrid (1) | Company or Brand Name | 2012 Rank | 2012 Yield bu/A | 2011 Rank | 2011 Yield bu/A | 2010 Rank | 2010 Yield bu/A |
|---|---|---|---|---|---|---|---|
| Fill 1 (1725H) | Texas A&M AgriLife Research | 1 | 256.9 | -- | -- | -- | -- |
| 1725H | Triumph Seed Co., Inc. | 2 | 256.6 | 7 | 229.3 | -- | -- |
| 2V707 | Mycogen Seeds | 3 | 240.5 | -- | -- | -- | -- |
| TRX21554H | Triumph Seed Co., Inc. | 4 | 237.9 | -- | -- | -- | -- |
| 1217 S | Triumph Seed Co., Inc. | 5 | 232.7 | 4 | 235.9 | 13 | 265.8 |
| 7514S | Triumph Seed Co., Inc. | 6 | 227.1 | 15 | 209.7 | 6 | 277.7 |
| 1157X | Triumph Seed Co., Inc. | 7 | 224.5 | 3 | 238.6 | -- | -- |
| 2A787 | Mycogen Seeds | 8 | 221.8 | -- | -- | -- | -- |
| REV® 28HR29™ | Terral Seed, Inc. | 9 | 220.3 | 29 | 156.3 | 15 | 260.9 |
| 2V715 | Mycogen Seeds | 10 | 217.4 | -- | -- | -- | -- |
| Fill 2 (Armor 1550 PRO3) | Texas A&M AgriLife Research | 11 | 216.4 | -- | -- | -- | -- |
| 1329H | Triumph Seed Co., Inc. | 12 | 213.4 | -- | -- | -- | -- |
| 2V738 | Mycogen Seeds | 13 | 212.7 | -- | -- | -- | -- |
| GA G5531 | Golden Acres Genetics | 14 | 212.6 | -- | -- | -- | -- |
| Armor 1550 PRO3 | Armor Seed | 15 | 206.5 | -- | -- | -- | -- |
| DKC 62-97 | Monsanto Company | 16 | 204.9 | 9 | 222.9 | 4 | 279.0 |
| Armor 1161 PRO2 | Armor Seed | 17 | 204.3 | 19 | 205.4 | -- | -- |
| Fill 3 (DKC64-69) | Texas A&M AgriLife Research | 18 | 200.4 | -- | -- | -- | -- |
| DKC 63-07 | Monsanto Company | 19 | 199.4 | -- | -- | -- | -- |
| Armor 1133 PRO3 | Armor Seed | 20 | 197.7 | -- | -- | -- | -- |
| GA G1518 | Golden Acres Genetics | 21 | 194.7 | -- | -- | -- | -- |
| GA 28V81 | Golden Acres Genetics | 22 | 193.6 | 21 | 202.4 | 11 | 269.6 |
| DKC 64-69 | Monsanto Company | 23 | 191.5 | 1 | 258.9 | -- | -- |
| DKC 61-88 | Monsanto Company | 24 | 188.6 | -- | -- | -- | -- |
| Armor 1880 PRO3 | Armor Seed | 25 | 186.8 | -- | -- | -- | -- |
| Armor 1262 PRO2 | Armor Seed | 26 | 181.4 | 27 | 182.8 | -- | -- |
| Armor 1415 PRO3 | Armor Seed | 27 | 177.0 | 28 | 176.4 | -- | -- |
| REV® 26R60™ | Terral Seed, Inc. | 28 | 173.9 | -- | -- | -- | -- |
| Armor 1330 PRO3 | Armor Seed | 29 | 173.6 | -- | -- | -- | -- |
| Armor 1770 PRO3 | Armor Seed | 30 | 166.1 | -- | -- | -- | -- |

Table 10B. Three Year Summary (2010-2012), Corn Performance Test, Dumas, Texas.

| Hybrid (1) | Company or Brand Name | 2012 Rank | 2012 Yield bu/A | 2011 Rank | 2011 Yield bu/A | 2010 Rank | 2010 Yield bu/A |
|---|---|---|---|---|---|---|---|
| REV® 27HR32™ | Terral Seed, Inc. | -- | -- | 2 | 250.0 | -- | -- |
| REV® 26HR50™ | Terral Seed, Inc. | -- | -- | 5 | 231.0 | 3 | 280.3 |
| Armor 1539PRO | Armor Seed | -- | -- | 6 | 230.4 | -- | -- |
| DKC 63-84 | Monsanto Company | -- | -- | 8 | 223.4 | 10 | 270.4 |
| REV® 27HR52™ | Terral Seed, Inc. | -- | -- | 10 | 220.2 | -- | -- |
| REV® 21HR21™ | Terral Seed, Inc. | -- | -- | 11 | 217.8 | 12 | 268.4 |
| Armor 1655PRO "V" | Armor Seed | -- | -- | 12 | 215.0 | -- | -- |
| REV® 26HR22™ | Terral Seed, Inc. | -- | -- | 13 | 213.9 | -- | -- |
| GA 2506 | Golden Acres Genetics | -- | -- | 14 | 210.9 | -- | -- |
| Integra 9676 VTPRO | Wilbur-Ellis Company | -- | -- | 16 | 209.2 | 1 | 288.7 |
| GA 26V31 | Golden Acres Genetics | -- | -- | 17 | 207.4 | 5 | 278.0 |
| Fill (REV® 26HR50™) | Texas A&M AgriLife Research | -- | -- | 18 | 205.7 | -- | -- |
| REV® 26HR82™ | Terral Seed, Inc. | -- | -- | 20 | 203.5 | -- | -- |
| 1334X | Triumph Seed Co., Inc. | -- | -- | 22 | 199.9 | -- | -- |
| Armor 1545PRO | Armor Seed | -- | -- | 23 | 198.7 | -- | -- |
| GA 24V61 | Golden Acres Genetics | -- | -- | 24 | 196.1 | -- | -- |
| Integra 9613 VTPRO | Wilbur-Ellis Company | -- | -- | 25 | 195.9 | 7 | 276.5 |
| REV® 26R60™ | Terral Seed, Inc. | -- | -- | 26 | 186.3 | 21 | 231.1 |
| Number of Entries | | 30 | | 29 | | 23 | |
| Test Mean Yield bu/A | | | 207.7 | | 211.3 | | 265.5 |

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## LITERATURE CITED

1. National Agricultural Statistics Service, August 2012.

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