Texas A&M AgriLife Research | Extension

SCS-2013-12

2013

2013 Corn Performance Tests in Texas

Department of Soil and Crop Sciences

Ronnie Schnell - *State Sorghum Cropping Systems Specialist*
Dennis Pietsch - *Director, Crop Testing*
Katrina Horn - *Agricultural Research Assistant*
Jonathan Moreno - *Agricultural Research Assistant*
Seth Murray - *Assistant Professor of Quantitative Genetics*

The Texas A&M University System

2013 CORN PERFORMANCE TESTS IN TEXAS

By

Ronnie Schnell

Dennis Pietsch

Katrina Horn

Jonathan Moreno

Seth Murray

SCS-2013-12

Respectively, Assistant Professor & Extension Specialist; Director, Crop Testing; Agricultural Research Assistant; Agricultural Research Assistant, and Assistant Professor, Department of Soil and Crop Sciences, Texas A&M AgriLife Research, The Texas A&M University System, College Station, Texas.

TABLE OF CONTENTS

2013 CORN PERFORMANCE TRIALS IN TEXAS

Ronnie Schnell, Dennis Pietsch, Katrina Horn, Jonathan Moreno, and Seth Murray

Introduction

Texas A&M AgriLife Research conducts the corn performance tests each year to provide growers in Texas with accurate and unbiased information on hybrid performance at locations across the state. Selection of superior hybrids that are well adapted for a given region is essential for maximizing yield and profit.

This year, six irrigated and five non-irrigated test sites were planted in the major production regions of Texas. Major corn production regions include the Western Gulf Coastal Plain, Southern Texas Plains, East Central Texas Plains, Texas Blackland Prairies and High Plains. Approximate locations of the 2013 test sites are shown in Figure 1. A total of 336 entries were evaluated across 11 locations representing 70 unique hybrids from 9 commercial seed companies. Commercial seed companies enter hybrids into each trial location at their own discretion.

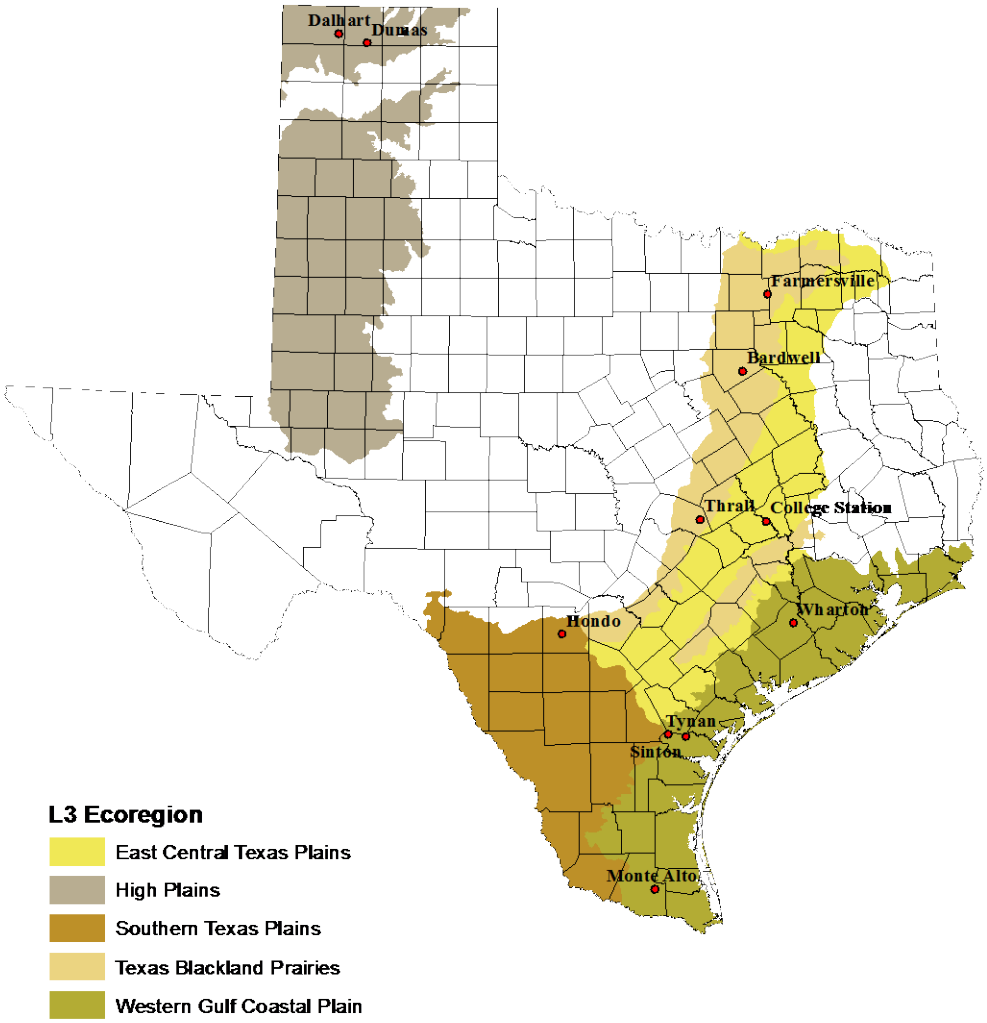
Performance trials are conducted by personnel from the Crop Testing Program, Texas A&M AgriLife Research, and financed by fees collected from participating commercial seed companies. Test sites are on privately owned farms or at Texas A&M University AgriLife Research Centers. All entries are randomized and replicated four times at each location. All test sites are managed according to practices common to each production region. Field maps and planting plans can be found at the link below shortly after planting. Following harvest, results are statistically analyzed and made available at: http://varietytesting.tamu.edu/corn/.

Suggestions for Selecting Hybrids and Varieties

Variety or hybrid selection is often the first decision a grower must make each crop year. The goal is to identify hybrids with superior performance (top yielding) for your environment. Many environments exist in Texas with significant variation within regions and across years, mostly due to variation in weather. Documented, consistent yield performance within a region is essential for selecting hybrids that will perform well on your farming operation. This means that evaluation of hybrids over multiple locations and years (when possible) is the best way to predict future performance. Exercise caution when using single location data to compare hybrid performance.

Following yield performance, other characteristics may be useful for selecting the best hybrid. Maturity or days to flowering may be important for selecting hybrids that are appropriate for your growing season/conditions. Hybrids that possess insect or herbicide traits may be useful for managing various insect and weed pests found on your farm. While consistent yield will be the most important factor affecting hybrid selection, additional plant characteristics or traits could be used to select from hybrids with similar yield performance.

Figure 1. 2013 Corn Performance Trials:
Locations and Production Regions



Field-Plot Techniques

Performance trials are conducted at each location using a randomized complete block design with four replications of each entry (hybrid). Seeds for each hybrid are packaged to obtain a final plant population appropriate for each production region and cropping system (see agronomic information for each location). Plots are generally 2 rows wide

with row spacing ranging from 30 to 40 inches depending on location. Seeds are packaged to deliver 30 feet of planted row per plot. Seed is planted using a cone planter with John Deere MaxEmerge XP planter units at all sites. Following emergence, two feet of row are trimmed on each side resulting in 26 ft plots and 4 ft alleys. Alleys are maintained free of weeds throughout the growing season through mechanical or chemical control measures.

Cultural and agronomic practices adapted for each region are used as determined by the cooperator. Field data such as plant stands, plant height, ear height, silk dates and lodging are recorded at the appropriate times. All locations are harvested with a John Deere 3300 plot combine equipped with the HarvestMaster Grain Gauge that measures plot weight, test weight, and grain moisture. Field and harvest notes are compiled for each location and results analyzed.

Data Analysis and Reporting

Data from each location is analyzed statistically using REMLTOOL. Mean values for yield and additional agronomic data are presented in tables for each location. Mean values are derived from the average of all replications for each entry in each trial. Least Significant Difference (LSD) is a statistical test used that determines the minimum difference between two entries required to be considered having different levels of performance. Differences between entries (yield, plant height, etc.) less than the LSD value represents variation measurements due to factors other than hybrid performance, such as variation in soil type, soil moisture, fertility, insect or disease pressure, planting or harvesting procedures. Although numeric differences in yield or other measurements may exist, if two entries are within the LSD value, they should be considered to have equal performance. The Coefficient of Variation (CV) is used to determine the amount of variability in the data set relative to the mean and can be used to determine if the results are reliable. Generally, CV's greater than 20% indicate that the data is unreliable and is not reported. However, each data set is evaluated individually to determine if results will be reported.

Within each table, you will find agronomic data submitted by each company for their entries and information measured by the Crop Testing Program. Agronomic information provided by the companies about their hybrids are found in the list below and include items such as cob color, grain color and genetic traits. Agronomic data measured and collected by the Crop Testing program is described in the section below.

Agronomic Data as designated by each company:

Cob Color: R = red, W = white, P = pink.

Grain Color: Y = yellow, W = white.

Measured Agronomic Data:

Days to Silk: the average number of days from planting to the date when 50 percent of the plants within the plot are in some stage of silking (R1).

Plant Height: the average height in inches from ground to top of tassel.

Ear Height: the average height in inches from ground to base of ear.

Grain Moisture: the average moisture at harvest as a percent (%).

Plant Population: the average number of plants per acre at harvest.

Percent Erect Plants: the average number of plants that remain erect (not lodged or broken below the ear) as a percentage of the plant population at harvest.

Test Weight: is a measure of bulk grain density and is determined by the seed weight per unit of volume. This is measured at harvest and expressed as pounds per bushel.

Yield – Standardized to 15.5% moisture: expressed in bushels per acre (bu/acre) and calculated using [((yield (lb/acre)*ACF*(100 – moisture (%) /84.5)) * /56].

In addition to individual site performance, information on multi-year performance for each site and regional performance is provided. Multi-year tables are presented as 3-year summaries of yield performance data. The entries are ranked according to hybrid performance in the current year. In addition, summaries for regional performance are provided. Regional summaries present the data as average relative yield. Relative yields are calculated for each site by calculating the yield for each hybrid as a percentage of the best performing hybrid. For example, if the hybrid A is the top yielding entry at a particular location with a yield of 150 bu/acre and hybrid B yields 130 bu/acre, hybrid A would have a relative yield of 100% and hybrid B would have a relative yield of 87%. The relative yields are averaged across all locations for each production region. Average relative yield values less than 90% suggest inconsistent performance.

Rainfall

Available soil moisture during the growing season is often a limiting factor for corn production in Texas. Variation in rainfall patterns can be substantial within a production region and from year to year. A significant gradient in annual rainfall exist in Texas moving east to west. Often, it is useful to look at rainfall amounts for a given region based on the water-year. The water-year corresponds with hydrological cycles and runs

from October 1 through September 30. In contrast to annual rainfall amounts, water-year analysis includes periods of time when soil profile moisture recharge can occur. The observed water-year and departure from normal (%) are provided in Figures 2 and 3.

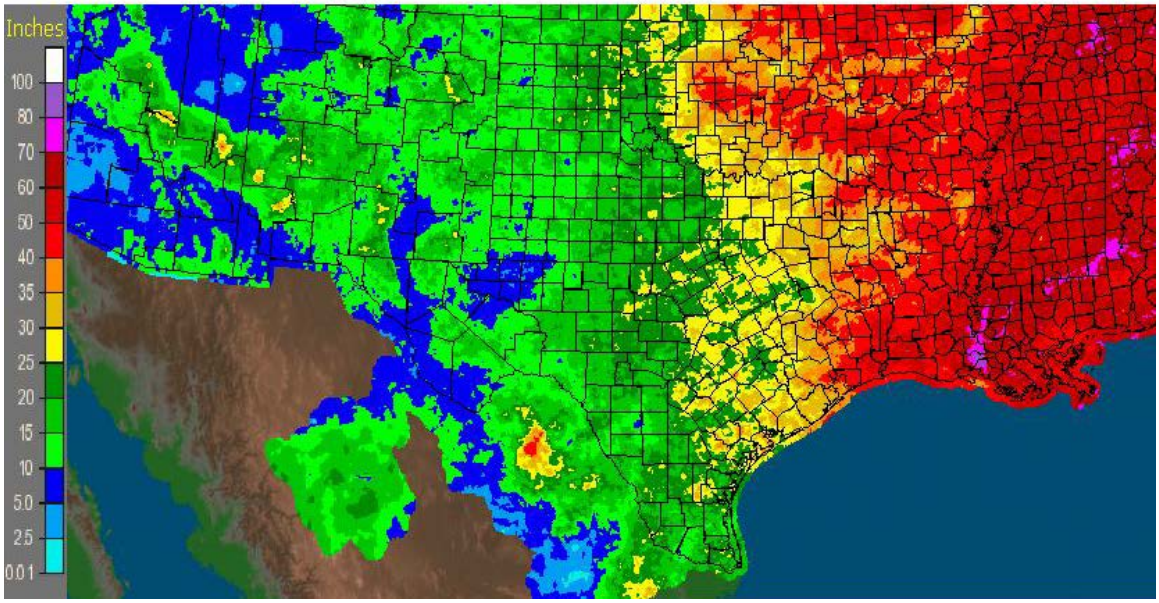


Figure 2. Texas: 2013 Water Year total rainfall in inches.

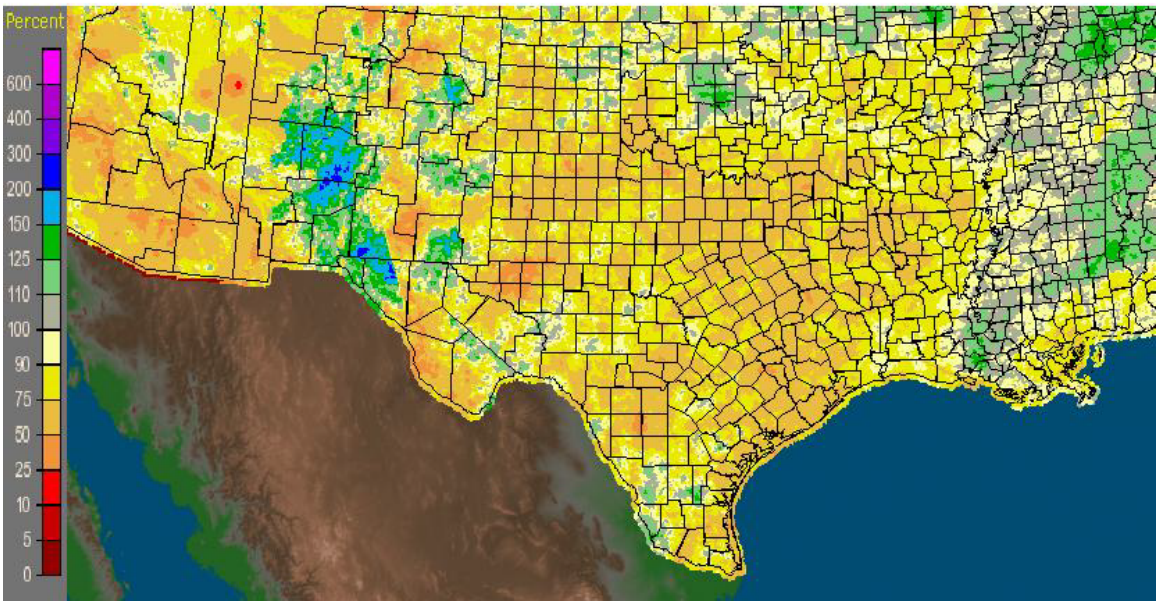


Figure 3. Texas: 2013 Water Year percent (%) of normal.

Table 1. Name, address, and hybrid designation for participants in the 2013 Texas Corn Performance Test.

Company	Hybrid	Monte Alto	San Patricio	Tynan	Wharton	Hondo	College Station	Thrall	Bardwell	Farmersville	Dumas	Dalhart
Armor Seeds	Armor 1133PRO2										X	X
P.O. Box 9	Armor 1262PRO2										X	X
Waldenburg, AR 72475	Armor 1555SS										X	X
(870) 579-2286	Armor 1550PRO2										X	X
scottieblanchard@armorseed.com	Armor 1880PRO2										X	X
Crop Production Services	DG D55VP77	X			X	X	X	X	X		X	X
2776 CR 324	DG D57VP51	X			X	X	X	X	X		X	X
Edna, TX 77957	DG 56VC46				X	X	X	X			X	X
(361) 781-2742	DG D57VP75				X		X	X	X		X	X
allen.gabrysch@cpsagu.com												
Golden Acres Genetics	G5531		X	X	X			X			X	X
P.O. Box 579	G5621		X		X			X	X	X	X	X
Buchanan Dam, TX 78609	G6611		X			X	X		X			
(512) 793-5205	G6641		X		X	X	X	X	X		X	X
aggie.allison@gmail.com	G7601		X	X	X	X	X		X	X		
	G4655A			X				X	X	X		
	G7573					X						
	G4598				X			X		X	X	X
	G1631									X	X	X
Monsanto Company	DKC 62-08	X	X	X	X	X	X	X	X	X	X	X
800 N. Lindbergh Blvd.	DKC 64-69	X	X	X	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 66-96.	X	X	X	X	X	X	X	X	X		
www.monsanto.com	DKC 66-42										X	X
	DKC 63-55										X	
	DKC 63-07											X
Mycogen Seeds	2V709										X	X
1614 Safford Ave.	2K757										X	X
Garden City, KS 67846	2Y767										X	X
(620) 272-0024	2Y816										X	X
dheatwole@dow.com												

Table 1. Name, address, and hybrid designation for participants in the 2013 Texas Corn Performance Test.

Company	Hybrid	Monte Alto	San Patricio	Tynan	Wharton	Hondo	College Station	Thrall	Bardwell	Farmersville	Dumas	Dalhart
Syngenta Seeds, Inc	N77P-3111			X	X			X	X			
110 Twisted Oak Lane	N72Q-3111			X	X	X		X				
Crawford, TX 76638	N78S-3111			X	X	X		X	X			
(254) 723-5555	N78N-3111			X		X						
tony.driver@syngenta.com	N79T-3111			X	X	X		X	X			
	N79A-3111				X	X		X	X			
	N82V-3111								X			
Terral Seed, Inc.	REV 24BHR93		X	X	X	X	X	X	X	X	X	X
604 Blount St.	REV 26BHR50	X	X	X	X	X	X	X	X	X		
Lake Providence, LA 71254	REV 27HR83	X	X	X	X	X	X	X	X	X	X	X
(318) 282-3681	REV 28HR20	X	X	X	X	X	X	X	X	X		
lmullen@terralseed.com	REV 28R10	X	X	X	X	X	X	X	X	X		
	REV 17HR73	X	X	X	X	X	X	X	X	X	X	X
	REV 18BHR84	X	X	X	X	X	X	X	X	X	X	X
	REV 22BHR54	X	X	X	X	X	X	X	X	X	X	X
	REV 25BHR44	X	X	X	X	X	X	X	X	X	X	X
	REV 26R60										X	X
	REV 22BHR43										X	X
Triumph Seed Co., Inc.	TRX 11832X	X	X	X	X	X		X	X	X		
P.O. Box 1050	TRX 31710S	X		X	X			X				
Ralls, TX 79357	1711X		X									
(806) 253-2584	1366S			X	X	X		X	X	X	X	X
ben@triumphseed.com	1725H					X					X	X
	TRX 31748H							X				
	TRX 31783S							X	X	X		
	1217S									X	X	X
	7514S										X	X
	1157S										X	X
	1329 RA										X	X
Wilbur-Ellis Company	Integra 9630	X	X	X	X	X	X	X	X	X		
10108 Saddle Creek Rd.	Integra 9631	X	X	X	X	X	X	X	X	X	X	X
Waco, TX 76708	Integra 9642	X	X	X	X	X	X	X	X	X	X	X
(254) 652-0032	Integra 9678	X	X	X	X	X	X	X	X	X		
mcritten@wilburellis.com												

2013 Corn Performance Test

Western Gulf Coastal Plains	Monte Alto (F) Yield (bu/ac)	San Patricio Yield (bu/ac)	Tynan Yield (bu/ac)	Wharton (RF) Yield (bu/ac)	Average Relative Yield (%)
DG D57VP51	190	Data not published		143	94.0
Triumph 21366S	.			138	93.1
DG D55VP77	175			150	92.9
Dekalb DKC 64-69	169			145	92.9
GA G5621	.			146	89.8
NK N72Q	.			141	88.8
Triumph 31710S	193			136	87.5
Integra 9642	.			137	87.4
Dekalb DKC 65-80	162			.	87.4
REV 26BHR50	164			152	87.3
GA G6641	.			139	85.9
REV 28HR20	187			158	84.9
Integra 9678	176			140	83.7
Dekalb DKC 62-08	163			141	83.5
Dekalb DKC 67-57	162			142	81.5
REV 25BHR44	179			145	80.7
NK N78S	.			144	80.7
REV 28R10	175			154	80.0
Dekalb DKC 66-96	.			142	79.6
REV 24BHR93	.			147	79.5
REV 17HR73	157			150	79.5
GA G7601	.			138	79.1
Triumph 11832X	173			128	77.8
GA G5531	.			137	76.6
REV 22BHR54	147			135	76.4
REV 27HR83	155			134	76.2
NK N77P	.			139	74.5
REV 18BHR84	150			140	74.3
Integra 9630	158			123	73.2
Integra 9631	135			129	70.4
NK N79T	.			113	57.4

Note: Relative yields are calculated for each site by calculating the yield for each hybrid as a percentage of the best performing hybrid then averaged across all sites within each production region. Hybrids must be entered at more than one location to be be included. (F) = full irrigation, (L) = limited Irrigation, (RF) = rain fed

Table 2. AGRONOMIC AND TEST INFORMATION: MONTE ALTO

TEST:	2013 Full Irrigated Corn Performance Test
LOCATION:	Rio Farms, Inc. Research Farm, Southwest of Monte Alto, Texas
COLLABORATORS:	Andy Scott, Eduardo Hernandez, and Juan Garza
SOIL TYPE:	Hidalgo sandy clay loam
ROW WIDTH:	Single 30” row
PREVIOUS CROP:	Soybeans in Fall of 2012
LAND PREPARATION:	Disked, bedded, and beds prepared for planting
DATE PLANTED:	2-13-13 with cones mounted on an ALMACO planter using JD Max-Emerge II units. Test was planted on raised beds
CULTIVATED:	4-1-13: used a Lilliston Rolling Cultivator
PLOT LENGTH:	2 rows 26'
FERTILIZER:	January 2013: Applied pre-plant 220 lb/A of 10-28-0-5(S) band in center of bed 4-10-13: Side-dress 440 lb/A of 28+0+0+5(S)
HERBICIDE:	2-13-13: 12 oz/A Outlook immediately after planting
INSECTICIDE:	None
RAINFALL:	January = 2.08”; February = 0.00”; March = 0.00"; April = 6.80”; May = 2.75"; June = .80"; July = 1.1” Total = 13.53”
IRRIGATIONS:	1-30-13: Applied approximately 4” preplant 4-10-13 = 4”; 5-23-13 = 4”; 6-3-13 = 4”
DATE HARVESTED:	7-30-13 with JD 3300 plot combine equipped with Grain Gauge.
SIZE HARVESTED PLOT:	2 rows, 26'
TEST DESIGN:	Randomized complete block
NUMBER ENTRIES:	24
NUMBER REPLICATIONS:	4
NUMBER ROWS/PLOT:	2
TEST MEAN:	163.1 bu/A , yields corrected to 15.5% moisture
TEST C.V.:	7.8%

COMMENTS: This was an excellent test despite very dry conditions during the early part of the season. After the soybeans were harvested in the Fall of 2012, the test block was prepared for the corn test. A pre-plant irrigation was applied to the test block on January 30 to insure a good seedbed for the mid-February planting date. A February 13 planting date was secured. Seed emergence was rapid and good plant stands were attained.

The test block received no beneficial rainfall until late-April when a total of 6.8" was received in a span of three days. Prior to the late-April rains, the test block was irrigated on April 10, which insured continuous plant growth and development and alleviated any plant stress. Two additional irrigations were applied during the growing season which contributed to grain fill and enhanced final yields.

The test mean yield was 163.1 bu/A with three hybrids producing over 180 bu/A. Excellent test weights were secured with the range being from 57.6 lb/bu to 62.9 lb/bu. This was a very uniform test as reflected by the test C.V. of 7.8%.

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

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

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

Table 2A. 2013 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)
TRX 31710S	Triumph Seed Co. Inc	Y	*	SSX	69	72	29	25,717	83.0	13.0	60.8	192.7
DG D57VP51	CPS-Crop Production Services	Y	R	*	67	68	25	23,982	100.2	12.7	60.9	188.7
REV® 28HR20™	Terral Seed, Inc	Y	R	HX1/LL/RR	73	77	29	25,550	100.0	12.7	62.5	187.0
REV® 25BHR44™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	73	79	28	25,466	100.0	12.6	62.5	178.8
Integra 9678	Wilbur-Ellis Company/Integra	Y	R	VT3PRO	67	66	25	24,377	100.0	12.4	61.4	175.6
DG D55VP77	CPS-Crop Production Services	Y	R	VPRO	68	63	23	24,628	100.0	12.0	61.4	175.5
REV® 28R10™	Terral Seed, Inc	Y	R	RR	72	70	26	23,623	95.2	13.1	61.9	174.7
TRX 11832X	Triumph Seed Co. Inc	Y	W	HXXT/RR	70	78	30	24,963	100.0	12.4	61.6	172.8
TX777t1	Texas A&M AgriLife Research	*	*	None	69	73	32	23,120	97.4	13.0	61.7	169.0
DKC 64-69 VT3Pro	DeKalb	Y	R	VT3Pro	68	67	26	25,382	99.1	12.8	62.0	168.9
REV® 26BHR50™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	70	72	25	24,042	100.0	13.1	62.9	163.8
DKC 62-08 GENSS	DeKalb	Y	R	SS	69	67	28	25,633	100.0	12.0	60.5	163.1
DKC 66-96 GEN VT3P	DeKalb	Y	R	VT3Pro	67	66	23	25,801	100.0	12.2	60.7	161.7
DKC 67-57VT3Pro	DeKalb	Y	R	VT3Pro	67	62	25	25,466	100.0	12.5	61.7	161.6
REV® 17HR73™	Terral Seed, Inc	Y	R	HX1/LL/RR	68	70	27	26,304	99.2	11.6	57.6	156.7
Integra 9630	Wilbur-Ellis Company/Integra	Y	R	VT3PRO	68	67	25	23,647	100.2	10.9	58.9	156.2
REV® 27HR83™	Terral Seed, Inc	Y	R	HX1/LL/RR	67	75	30	22,366	100.0	12.0	61.7	155.0
Fill		Y	R	VT3PRO	69	69	26	24,963	98.7	11.5	59.1	153.0
REV® 18BHR84™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	67	65	22	24,293	100.0	11.6	60.1	149.8
REV® 22BHR54™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	67	67	26	25,215	100.0	10.9	58.9	147.3
Integra 9631	Wilbur-Ellis Company/Integra	Y	R	VT3PRO	68	67	23	24,293	99.0	11.7	60.1	135.1
Check (Integra 9631)	Wilbur-Ellis Company/Integra	Y	R	VT3PRO	68	65	23	24,461	100.0	11.4	59.4	121.3
Mean					68.7	69.3	26.0	24,717	98.7	12.1	60.7	163.1
C.V.					3.07	5.42	7.56	5.37	4.9	4.6	0.6	7.8
L.S.D. .05					3.11	5.54	2.90	1,968	7.2	0.8	0.5	19.1

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.

Table 2A. 2013 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)

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.

(1) Integra 9630 was entered three 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, SS=SmartStax. 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 (2011-2013), Corn Performance Test, Monte Alto, Texas.

Hybrid (1)	Company or Brand Name	2013 Rank	2013 Yield bu/A	2012 Rank	2012 Yield bu/A	2011 Rank	2011 Yield bu/A
TRX 31710S	Triumph Seed Co., Inc	1	192.7	--	--	--	--
DG D57VP51	CPS-Crop Production Services	2	188.7	--	--	--	--
REV® 28HR20™	Terral Seed, Inc.	3	187.0	9	193.0	1	186.4
REV® 25BHR44™	Terral Seed, Inc.	4	178.8	--	--	--	--
Integra 9678	Wilbur-Ellis Company	5	175.6	--	--	--	--
DG D55VP77	CPS-Crop Production Services	6	175.5	--	--	--	--
REV® 28R10™	Terral Seed, Inc.	7	174.7	12	191.0	--	--
TRX11832X	Triumph Seed Co., Inc	8	172.8	--	--	2	184.8
TX777t1	Texas A&M AgriLife Research	9	169.0	--	--	--	--
DKC 64-69	Monstanto Company	10	168.9	4	201.0	4	181.9
REV® 26BHR50™	Terral Seed, Inc.	11	163.8	--	--	--	--
DKC 62-08	Monsanto Company	12	163.1	--	--	--	--
DKC 66-96 (GENVT3P)	Monsanto Company	13	161.7	16	178.7	13	169.8
DKC 67-57	Monsanto Company	14	161.6	17	167.8	--	--
REV® 17HR73™	Terral Seed, Inc.	15	156.7	--	--	--	--
Integra 9630	Wilbur-Ellis Company	16	156.2	14	180.2	--	--
REV® 27HR83™	Terral Seed, Inc.	17	155.0	7	195.3	--	--
REV® 18BHR84™	Terral Seed, Inc.	18	149.8	--	--	--	--
REV® 22BHR54™	Terral Seed, Inc.	19	147.3	--	--	--	--
Integra 9631	Wilbur-Ellis Company	20	135.1	--	--	--	--
Check (Integra 9631)	Wilbur-Ellis Company	21	121.3	--	--	--	--
REV® 26HR50™	Terral Seed, Inc.	--	--	1	217.2	7	177.6
DKC 68-05 (GENVT3P)	Monsanto Company	--	--	2	202.3	--	--
REV® 29HR13™	Terral Seed, Inc.	--	--	3	201.3	--	--
1956H	Triumph Seed Co., Inc	--	--	5	198.7	--	--
TRX 29510HL	Triumph Seed Co., Inc	--	--	6	196.0	--	--
Fill 1 (Unnamed)	Texas A&M AgriLife Research	--	--	8	194.2	--	--
Fill 2 (Unnamed)	Texas A&M AgriLife Research	--	--	10	192.8	--	--
REV® Fill (28R10)™	Terral Seed, Inc.	--	--	11	191.1	--	--
REV® 26HR23™	Terral Seed, Inc.	--	--	13	190.9	--	--

Table 2B. Three Year Summary (2011-2013), Corn Performance Test, Monte Alto, Texas.

Hybrid (1)	Company or Brand Name	2013 Rank	2013 Yield bu/A	2012 Rank	2012 Yield bu/A	2011 Rank	2011 Yield bu/A
REV® 27HR52™	Terral Seed, Inc.	--	--	15	179.3	--	--
Integra 9613 VTPRO	Wilbur-Ellis Company	--	--	18	163.7	23	143.5
Number of Entries		21		18		28	
Test Mean Yield			163.1		192.0		163.7

Table 3. AGRONOMIC AND TEST INFORMATION: WHARTON

TEST:	2013 Rainfed Corn Performance Test
LOCATION:	Larry and Clint Kalina Farm, Wharton,Texas
COOPERATORS:	Larry Kalina and Clint Kalina,
SOIL TYPE:	Lake Charles clay loam
ROW WIDTH:	40”
PREVIOUS CROP:	Cotton
LAND PREPARATION:	Shredded, bedded, hipped (2), fertilized and hipped, and “drug-off” beds
DATE PLANTED:	3-1-13 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, post-emerge
HERBICIDE:	Applied 1.0 qt/A of Atrazine, pre-emerge Applied 32 oz/A of Roundup PowerMax when corn was in 4 leaf stage Applied 32 oz/A of Roundup PowerMax when corn was 30” tall
INSECTICIDE:	None, seeds were requested to be treated with a seed insecticide
RAINFALL:	January = 3.79”; February = 1.35”; March = 0.16"; April = 4.70”; May = 1.48"; June = 2.03"; July = 5.30”; Total = 18.81”
DATE HARVESTED:	8-1-13 with JD 3300 plot combine equipped with Grain Gauge.
SIZE HARVESTED PLOT:	2 rows, 26'
TEST DESIGN:	Randomized complete block
NUMBER ENTRIES:	35
NUMBER REPLICATIONS:	4
NUMBER ROWS/PLOT:	2
MEAN PLANT POPULATION:	22,330 plants/A
TEST MEAN:	139.1 bu/A , yields corrected to 15.5% moisture
TEST C.V.:	5.60%

COMMENTS: Timely rainfall and good agronomic practices resulted in good yields at this Upper Coast Corn Performance Test.

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, 3.79" of rain were recorded in January and 1.35" 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 Timely rainfall in May and June contributed to grain fill and enhanced final yields.

The test mean yield was 139.1 bu/A. Five hybrids produced over 150 bu/A. The incidence of lodging was low. This was a very uniform test as reflected by the test C.V. of 5.6%.

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

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

Table 3A. 2013 Wharton Corn Performance Test, Larry and Clint 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	83	100	36	22,743	100.0	14.0	59.8	158.2
REV® 28R10™	Terral Seed, Inc	Y	R	RR	82	97	34	22,806	99.7	13.7	60.1	154.3
REV® 26BHR50™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	82	94	32	22,492	99.7	14.8	60.9	152.0
D56VC46	CPS - Crop Production Services	Y	R	VT3PRO	80	79	32	22,681	100.0	13.8	57.9	151.6
DG D55VP77	CPS - Crop Production Services	Y	R	VT3PRO	80	79	27	22,995	100.0	13.0	58.8	150.0
DG D 57VP75	CPS - Crop Production Services	Y	R	VT3PRO	81	89	35	21,864	100.0	13.1	56.7	149.9
REV® 17HR73™	Terral Seed, Inc	Y	R	HX1/LL/RR	81	87	33	24,000	100.0	11.5	55.9	149.7
REV® 24BHR93™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	82	90	33	21,801	100.0	13.7	58.9	147.0
G5621	Golden Acres Genetics	Y	R	VT3P	81	78	27	22,178	100.0	13.2	58.8	145.6
DKC 64-69 VT3Pro	DeKalb	Y	R	VT3Pro	80	84	32	23,309	100.0	13.2	58.3	145.3
REV® 25BHR44™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	84	96	37	22,492	99.7	13.7	59.6	145.1
N78S3111	Syngenta	Y	P	V,Bt,CRW,GT	82	88	30	22,304	99.7	12.8	57.3	143.5
DG D57VP51	CPS - Crop Production Services	Y	R	VT3PRO	81	81	29	21,298	100.0	13.0	57.7	143.1
DKC 66-96 VT3Pro	DeKalb	Y	R	VT3Pro	80	81	28	23,183	99.8	12.7	58.3	141.9
DKC 67-57VT3Pro	DeKalb	Y	R	VT3Pro	80	78	28	22,869	100.0	14.0	58.7	141.6
DKC 62-08 GENSS	DeKalb	Y	R	SS	81	82	35	21,989	100.0	13.1	58.0	141.2
N72Q3111	Syngenta	Y	W	V,Bt,CRW,GT	82	92	33	22,115	100.0	11.7	55.9	140.6
REV® 18BHR84™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	81	85	29	21,927	99.7	12.4	57.2	140.3
Integra 9678	Wilbur-Ellis Company/Integra	Y	R	VT3PRO	80	80	31	21,738	99.4	13.7	57.5	140.2
N77P3111	Syngenta	Y	P	V,Bt,CRW,GT	82	88	33	22,743	100.0	13.1	57.3	139.3
G6641	Golden Acres Genetics	Y	R	VT3P	81	87	34	21,550	100.0	12.4	56.5	138.9
1366S	Triumph Seed Co. Inc	Y	P	SSX	82	81	36	21,487	99.4	13.6	57.6	138.4
G7601	Golden Acres Genetics	Y	R	VT3P	81	91	37	22,429	100.0	13.9	56.8	138.2
G5531	Golden Acres Genetics	Y	R	VT3P	81	84	25	21,927	100.0	13.5	58.9	137.0
Integra 9642	Wilbur-Ellis Company/Integra	Y	R	VT3PRO	80	78	25	22,115	100.0	12.3	58.8	136.9
TRX31710S	Triumph Seed Co. Inc	Y	*	SSX	81	90	42	22,932	99.4	14.5	57.6	136.0
REV® 22BHR54™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	82	86	34	22,743	100.0	12.7	55.7	135.2
REV® 27HR83™	Terral Seed, Inc	Y	R	HX1/LL/RR	82	91	35	21,675	100.0	13.2	59.4	133.5

Table 3A. 2013 Wharton Corn Performance Test, Larry and Clint 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)
N79A3111	Syngenta	Y	W	V,Bt,CRW,GT	82	93	29	24,251	100.0	13.8	60.3	129.1
Integra 9631	Wilbur-Ellis Company/Integra	Y	R	VT3PRO	81	82	28	23,309	99.7	12.5	57.3	129.0
TRX 11832X	Triumph Seed Co. Inc	Y	W	HXXT/RR	83	99	38	22,366	99.7	13.9	58.0	127.6
G4598	Golden Acres Genetics	Y	R	VT2P	80	87	31	23,309	100.0	11.8	56.8	127.3
Fill		Y	P	V,Bt,CRW,GT	81	90	28	21,047	99.9	13.5	58.2	123.8
Integra 9630	Wilbur-Ellis Company/Integra	Y	R	VT3PRO	80	85	31	21,801	100.0	9.0	49.8	123.0
N79T3111	Syngenta	Y	P	V,Bt,CRW,GT	81	90	28	20,356	99.7	13.6	58.2	113.2
Mean					81.1	86.8	31.6	22,330	99.9	13.1	57.8	139.2
C.V.					0.61	3.14	9.62	5.34	0.44	5.40	0.69	5.60
L.S.D. .05					0.71	3.92	4.37	1,712	NS	1.02	0.57	11.20

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) N79T3111 was entered two 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, SS=SmartStax. 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 3B. Three Year Summary (2011-2013), Corn Performance Test, Wharton, Texas.

Hybrid (1)	Company or Brand Name	2013 Rank	2013 Yield bu/A	2012 Rank	2012 Yield bu/A	2011 Rank	2011 Yield bu/A
REV® 28HR20™	Terral Seed Inc.	1	158.2	1	184.4	--	--
REV® 28R10™	Terral Seed Inc.	2	154.3	14	151.2	--	--
REV® 26BHR50™	Terral Seed Inc.	3	152.0	--	--	--	--
D56VC46	CPS-Crop Production Services	4	151.6	--	--	--	--
DG D55VP77	CPS-Crop Production Services	5	150.0	--	--	--	--
DG D57VP75	CPS-Crop Production Services	6	149.9	--	--	--	--
REV® 17HR73™	Terral Seed Inc.	7	149.7	--	--	--	--
REV® 24BHR93™	Terral Seed Inc.	8	147.0	--	--	--	--
G5621	Golden Acres Genetics	9	145.6	--	--	--	--
DKC 64-69	Monsanto Company	10	145.3	2	173.0	--	--
REV® 25BHR44™	Terral Seed Inc.	11	145.1	--	--	--	--
N78S-3111	Syngenta Seeds	12	143.5	6	164.6	--	--
DG D57VP51	CPS-Crop Production Services	13	143.1	--	--	--	--
DKC 66-96	Monsanto Company	14	141.9	3	169.5	--	--
DKC 67-57	Monsanto Company	15	141.6	7	164.0	--	--
DKC 62-08	Monsanto Company	16	141.2	--	--	--	--
N72Q-3111	Syngenta Seeds	17	140.6	13	154.9	--	--
REV® 18BHR84™	Terral Seed Inc.	18	140.3	--	--	--	--
Integra 9678	Wilbur-Ellis Company	19	140.2	--	--	--	--
N77P-3111	Syngenta Seeds	20	139.3	19	145.8	--	--
G6641	Golden Acres Genetics	21	138.9	--	--	--	--
TRX21366S	Triumph Seed Co., Inc.	22	138.4	--	--	--	--
G7601	Golden Acres Genetics	23	138.2	--	--	--	--
G5531	Golden Acres Genetics	24	137.0	23	140.1	--	--
Integra 9642	Wilbur-Ellis Company	25	136.9	--	--	--	--
TRX31710S	Triumph Seed Co., Inc.	26	136.0	--	--	--	--
REV® 22BHR54™	Terral Seed Inc.	27	135.2	--	--	--	--
REV® 27HR83™	Terral Seed Inc.	28	133.5	11	157.5	--	--
N79A-3111	Syngenta Seeds	29	129.1	--	--	--	--
Integra 9631	Wilbur-Ellis Company	30	129.0	21	142.1	--	--

Table 3B. Three Year Summary (2011-2013), Corn Performance Test, Wharton, Texas.

Hybrid (1)	Company or Brand Name	2013 Rank	2013 Yield bu/A	2012 Rank	2012 Yield bu/A	2011 Rank	2011 Yield bu/A
TRX11832X	Triumph Seed Co., Inc.	31	127.6	--	--	--	--
G4598	Golden Acres Genetics	32	127.3	--	--	--	--
Integra 9630	Wilbur-Ellis Company	33	123.0	9	160.7	--	--
N79T-3111	Syngenta Seeds	34	113.2	--	--	--	--
REV® 26HR50™	Terral Seed Inc.	--	--	4	166.2	--	--
REV® 26HR23™	Terral Seed Inc.	--	--	5	164.9	--	--
1956H	Triumph Seed Co., Inc.	--	--	8	163.8	--	--
Fill (DKC 64-69)	Texas A&M AgriLife Research	--	--	10	159.7	--	--
DKC 68-05	Monsanto Company	--	--	12	156.1	--	--
REV® 29HR13™	Terral Seed Inc.	--	--	15	150.9	--	--
GA 28V81	Golden Acres Genetics	--	--	16	148.9	--	--
TRX21343H	Triumph Seed Co., Inc.	--	--	17	148.5	--	--
REV® Fill(28R10™)	Terral Seed Inc.	--	--	18	147.1	--	--
REV® 27HR52™	Terral Seed Inc.	--	--	20	145.1	--	--
Integra 9613	Wilbur-Ellis Company	--	--	22	141.3	--	--
N74G-3000GT	Syngenta Seeds	--	--	24	133.7	--	--
GA 26V21	Golden Acres Genetics	--	--	25	127.3	--	--
Number of Entries		34		25		--	
Test Mean Yield			139.2		155.3		--

**2011 Test Lost Due to Drought

2013 Corn Performance Test

Southern Texas Plains Hondo (F)	Yield (bu/ac)	Average Relative Yield (%)
DG D55VP77	197	100.0
REV 24BHR93	194	98.8
GA G6611	190	96.6
DG D57VP51	190	96.4
Dekalb DKC 62-08	188	95.4
Dekalb DKC 64-69	184	93.8
DG D56VC46	183	93.3
Dekalb DKC 66-96	183	93.1
Dekalb DKC 67-57	182	92.7
REV 28R10	182	92.4
Triumph 21366S	181	92.3
REV 28HR20	181	92.0
REV 26BHR50	176	89.8
Integra 9678	176	89.3
Triumph 1725H	175	89.0
REV 27HR83	174	88.3
REV 25BHR44	173	88.2
GA G7601	173	87.9
Integra 9642	171	87.0
REV 17HR73	170	86.4
NK N79A	168	85.4
REV 18BHR84	166	84.6
GA G6641	166	84.3
NK N78S	163	83.2
GA G7573	156	79.3
Integra 9631	155	79.0
Integra 9630	153	77.8
Triumph 11832X	153	77.7
NK N79T	151	77.0
NK N78N	150	76.6
REV 22BHR54	148	75.4
NK N72Q	148	75.3

Note: Relative yields are calculated by calculating the yield for each hybrid as a percentage of the best performing hybrid. (F) = full irrigation, (L) = limited irrigation, (RF) = rain fed

Table 4. AGRONOMIC AND TEST INFORMATION: HONDO

TEST:	2013 Irrigated Corn Performance Test
LOCATION:	Paul Aelvoet Farm, Hondo, Texas
COOPERATOR:	Paul Aelvoet
COLLABORATOR:	Jason Ott, Medina CEA
SOIL TYPE:	Knippa clay
ROW WIDTH:	36"
PREVIOUS CROP:	Corn
LAND PREPARATION:	Shred, disked twice, ripped twice, chiseled, and bedded
DATE PLANTED:	3-8-13 with cones mounted on an ALMACO planter using JD Max-Emerge II units. Planted on raised beds
PLOT LENGTH:	26’
FERTILIZER:	Applied 300 lb/A of 10+20+5+4(S) + trace elements in October, 2012 Applied 600 lb/A of 32+0+0+0+1qt/A Zinc, pre-plant Applied 7+22+0 at planting
HERBICIDE:	Applied 2 applications of Roundup on April 1 and April 30
INSECTICIDE:	None, seeds were requested to be treated with a seed insecticide
MITECIDE:	Applied 6oz/A of Oberon for mites on June 15
OTHER:	Applied Aflaguard at suggested rate for Aflatoxin (*A. flavus*) on June 1
RAINFALL:	Approximately 4.5” during the growing season.
IRRIGATIONS:	7 applications during the growing season totaling 18”. Last irrigation applied on July 1
DATE HARVESTED:	8-13-13, with a JD 3300 plot combine equipped with Grain Gauge.
SIZE HARVESTED PLOT:	2 rows, 26' long
TEST DESIGN:	Randomized complete block
NUMBER ENTRIES:	33
NUMBER REPLICATIONS:	4
NUMBER ROWS/PLOT:	2
MEAN PLANT POP:	26,391 plants/A
TEST MEAN:	167.6 bu/A; yields corrected to 15.5% moisture
TEST C.V.:	6.32%

COMMENTS: Good growing conditions, a timely irrigation schedule, and timely agronomic practices were all contributing factors that resulted in excellent yields. Due to erratic seedbed moisture, the test block was irrigated shortly after planting which insured germination and seedling emergence.

The test block received only 4.5" of rainfall during the growing season. Due to the lack of rainfall, the test block was irrigated seven times. A total of 18" of irrigation water was applied which insured continuous plant growth and development. Two applications of Roundup 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 167.6 bu/A with twelve entries produced between 189 and 196.6 bu/A. Excellent bushel weights were recorded with the test mean being 59.1 lb/bu.

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

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

Table 4A. 2013 Hondo Corn Performance Test, Paul Aelvoet Farm, Hondo, 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)
D55VP77	CPS - Crop Production Services	Y	R	VT3PRO	74	83	32	28,272	99.8	10.9	60.3	196.6
REV® 24BHR93™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	79	92	35	29,249	100.0	10.6	59.4	194.2
G6611	Golden Acres Genetics	Y	R	VT3P	74	88	35	27,853	100.0	10.9	59.3	190.3
D57VP51	CPS - Crop Production Services	Y	R	VT3PRO	75	85	33	26,597	100.0	11.1	59.6	189.5
DKC 62-08 GENSS	DeKalb	Y	R	SS	75	86	37	27,016	100.0	10.7	58.7	187.5
DKC 64-69 VT3Pro	DeKalb	Y	R	VT3Pro	75	85	35	26,527	100.0	11.0	60.0	184.3
D56VC46	CPS - Crop Production Services	Y	R	VT3PRO	75	86	35	27,155	100.0	11.2	59.7	183.3
DKC 66-96 VT3Pro	DeKalb	Y	R	VT3Pro	74	86	32	27,644	100.0	11.5	60.0	182.9
DKC 67-57 VT3Pro	DeKalb	Y	R	VT3Pro	74	85	35	27,225	100.0	10.6	60.6	182.3
1366S	Triumph Seed Co. Inc	Y	P	SSX	79	82	34	28,133	98.9	10.3	58.1	181.7
REV® 28R10™	Terral Seed, Inc	Y	R	RR	79	91	38	27,365	100.0	11.6	60.3	181.7
REV® 28HR20™	Terral Seed, Inc	Y	R	HX1/LL/RR	80	96	40	27,714	100.0	10.8	60.3	180.9
REV® 26BHR50™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	80	90	34	26,597	99.7	11.7	61.5	176.5
Integra 9678	Wilbur-Ellis Company/Integra	Y	R	VT3PRO	74	84	36	26,667	100.0	11.7	59.9	175.6
1725H	Triumph Seed Co. Inc	Y	R	HXI/RR	78	94	40	28,482	99.8	10.7	58.2	174.9
REV® 27HR83™	Terral Seed, Inc	Y	R	HX1/LL/RR	79	93	39	26,318	100.0	11.9	60.7	173.6
REV® 25BHR44™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	79	90	34	27,714	100.0	11.0	60.3	173.3
G7601	Golden Acres Genetics	Y	R	VT3P	77	95	40	26,876	100.0	10.4	56.7	172.8
Integra 9642	Wilbur-Ellis Company/Integra	Y	R	VT3PRO	78	81	30	26,317	100.0	11.1	59.8	170.9
REV® 17HR73™	Terral Seed, Inc	Y	R	HX1/LL/RR	75	87	35	26,667	100.0	10.2	57.2	169.9
N79A3111	Syngenta	Y	W	V,Bt,CRW,GT	78	93	33	27,714	100.0	12.3	61.3	167.8
REV® 18BHR84™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	77	87	34	27,574	99.5	10.6	58.6	166.3
G6641	Golden Acres Genetics	Y	R	VT3P	76	88	34	26,876	100.0	11.6	58.8	165.8
N78S3111	Syngenta	Y	P	V,Bt,CRW,GT	79	90	36	27,085	100.0	11.3	57.6	163.5
G7573	Golden Acres Genetics	Y	R	Vipteria 3111	78	95	35	25,480	99.7	11.1	60.1	155.8
Integra 9631	Wilbur-Ellis Company/Integra	Y	R	VT3PRO	74	85	32	26,527	100.0	11.1	58.6	155.3
Integra 9630	Wilbur-Ellis Company/Integra	Y	R	VT3PRO	75	89	37	26,597	99.7	10.5	52.9	153.4
TRX 11832X	Triumph Seed Co. Inc	Y	W	HXXT/RR	79	99	41	25,899	97.8	11.3	59.7	152.7

Table 4A. 2013 Hondo Corn Performance Test, Paul Aelvoet Farm, Hondo, 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)
N79T3111	Syngenta	Y	P	V,Bt,CRW,GT	78	95	38	25,410	100.0	11.3	59.4	151.4
N78N3111	Syngenta	Y	W	V,Bt,CRW,GT	75	89	30	25,829	100.0	11.6	59.9	150.5
REV® 22BHR54™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	76	87	35	27,644	100.0	10.5	57.6	148.1
N72Q3111	Syngenta	Y	P	V,Bt,CRW,GT	79	90	38	26,178	96.2	9.8	55.5	147.9
Fill		Y	P	V,Bt,CRW,GT	78	93	36	21,222	99.9	11.4	59.2	133.4
Mean					76.8	89.2	35.3	26,391	99.8	11.1	59.1	167.6
C.V.					1.49	2.66	8.35	5.15	0.63	7.32	0.75	6.32
L.S.D. .05					1.64	3.41	4.24	1,952	0.90	0.66	0.64	15.57

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. Jason Ott, Medina County CEA, for securing flowering notes and monitoring the test block throughout the growing season.

(1) N79T3111 was entered four 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, SS=SmartStax. 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 4B. Three Year Summary (2011-2013), Corn Performance Test, Hondo, Texas.

Hybrid (1)	Company or Brand Name	2013 Rank	2013 Yield bu/A	2012 Rank	2012 Yield bu/A	2011 Rank	2011 Yield bu/A
D55VP77	CPS-Crop Production Services	1	196.6	--	--	--	--
REV® 24BHR93™	Terral Seed, Inc.	2	194.2	--	--	--	--
G6611	Golden Acres Genetics	3	190.3	--	--	--	--
D57VP51	CPS-Crop Production Services	4	189.5	--	--	--	--
DKC 62-08	Monsanto Company	5	187.5	--	--	--	--
DKC 64-69	Monsanto Company	6	184.3	17	158.5	1	178.5
D56VC46	CPS-Crop Production Services	7	183.3	--	--	--	--
DKC 66-96	Monsanto Company	8	182.9	1	180.1	10	168.2
DKC 67-57	Monsanto Company	9	182.3	4	171.7	--	--
TRX21366S	Triumph Seed Co., Inc.	10	181.7	--	--	--	--
REV®28R10™	Terral Seed, Inc.	11	181.7	10	164.2	--	--
REV® 28HR20™	Terral Seed, Inc.	12	180.9	3	172.2	6	171.3
REV® 26BHR50™	Terral Seed, Inc.	13	176.5	--	--	--	--
Integra 9678	Wilbur-Ellis Company	14	175.6	--	--	--	--
1725H	Triumph Seed Co., Inc.	15	174.9	--	--	--	--
REV® 27HR83™	Terral Seed, Inc.	16	173.6	5	171.0	--	--
REV® 25BHR44™	Terral Seed, Inc.	17	173.3	--	--	--	--
G7601	Golden Acres Genetics	18	172.8	--	--	--	--
Integra 9642	Wilbur-Ellis Company	19	170.9	--	--	--	--
REV® 17HR73™	Terral Seed, Inc.	20	169.9	--	--	--	--
N79A-3111	Syngenta	21	167.8	--	--	--	--
REV® 18BHR84™	Terral Seed, Inc.	22	166.3	--	--	--	--
G6641	Golden Acres Genetics	23	165.8	--	--	--	--
N78S-3111	Syngenta	24	163.5	--	--	--	--
G7573	Golden Acres Genetics	25	155.8	--	--	--	--
Integra 9631	Wilbur-Ellis Company	26	155.3	21	153.0	--	--
Integra 9630	Wilbur-Ellis Company	27	153.4	12	161.9	--	--
TRX11832X	Triumph Seed Co., Inc.	28	152.7	--	--	--	--
N79T-3111	Syngenta	29	151.4	--	--	--	--
N78N-3111	Syngenta	30	150.5	19	154.1	7	170.1

Table 4B. Three Year Summary (2011-2013), Corn Performance Test, Hondo, Texas.

Hybrid (1)	Company or Brand Name	2013 Rank	2013 Yield bu/A	2012 Rank	2012 Yield bu/A	2011 Rank	2011 Yield bu/A
REV® 22BHR54™	Terral Seed, Inc.	31	148.1	--	--	--	--
N72Q-3111	Syngenta	32	147.9	22	151.9	2	175.4
1956H	Triumph Seed Co., Inc.	--	--	2	174.1	21	161.2
DKC 68-05 (GENVT3P)	Monsanto Company	--	--	6	168.2	8	169.2
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	--	--
Fill (REV® 28R10™)	Terral Seed, Inc.	--	--	11	162.8	--	--
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	--	--
REV® 26HR50™	Terral Seed, Inc.	--	--	18	158.0	3	173.3
GA 28V81	Golden Acres Genetics	--	--	20	153.7	12	167.5
N74G-3000GT	Syngenta	--	--	23	151.9	--	--
N77P-3111	Syngenta	--	--	24	143.5	--	--
Integra 9613 VTPRO	Wilbur-Ellis Company	--	--	25	142.0	22	160.9
Number of Entries		32		25		32	
Test Mean Yield			167.6		161.9		163.4

2013 Corn Performance Test

East Central Texas Plains College Station (L)	Yield (bu/ac)	Average Relative Yield (%)
REV 28HR20	220	100.0
REV 25BHR44	210	95.4
REV 28R10	203	92.2
REV 26BHR50	202	91.8
Integra 9642	196	89.1
GA G7601	196	88.8
Dekalb DKC 62-08	196	88.8
DG D57VP51	194	87.9
Dekalb DKC 64-69	191	86.9
DG D57VP75	191	86.8
DG D56VC46	189	85.8
GA G6611	189	85.7
REV 24BHR93	188	85.3
Integra 9678	185	84.2
DG D55VP77	182	82.7
Dekalb DKC 67-57	178	81.0
GA G6641	176	79.7
REV 17HR73	174	78.8
REV 27HR83	173	78.5
Integra 9630	169	76.7
REV 22BHR54	167	75.9
REV 18BHR84	164	74.3
Dekalb DKC 65-80	158	71.7
Integra 9631	150	67.9

Note: Relative yields are calculated by calculating the yield for each hybrid as a percentage of the best performing hybrid. (F) = full irrigation, (L) = limited Irrigation, (RF) = rain fed

Table 5. AGRONOMIC AND TEST INFORMATION: COLLEGE STATION

TEST:	2013 Irrigated Corn Performance Test
LOCATION:	Texas A&M University Research and Extension Center, College Station, Texas; Field 221
COOPERATORS:	Jeffery Savage, Jacob Pekar, and Dr. Seth Murray
SOIL TYPE:	Ships clay loam
ROW WIDTH:	30"
PREVIOUS CROP:	Corn 2012, Corn 2011, Corn 2010, Cotton 2009
LAND PREPARATION:	disc, chisel, field cultivate, bed, roll bed 4/26/2013 cultivated
DATE PLANTED:	2-26-13 with cones mounted on an ALMACO planter using JD Max-Emerge II units
PLOT LENGTH:	2 rows 21'
FERTILIZER:	2-01-13: 150lb/A of 11-37-0-4 Zn 4-17-13: 100lb/A of N as 32-0-0 4-25-13: 100lb/A of N as 32-0-0
HERBICIDE:	3-07-13: Applied Atrazine and Meolachlor at label rate
INSECTICIDE:	Seeds were requested to be treated with a seed insecticide 5-07-13: Applied 3.0 oz/ A of Silencer with ground rig for corn ear worm 6-17-13: Aerially applied 3.0 oz/ A of Silencer for corn ear worm
MITICIDE:	7-3-13: Aerially applied 2.0 oz/A of Zeal for spider mites
RAINFALL:	January = 3.6”; February = 0.8”; March = 1.45”; April = 3.25”; May= 3.85”; June = 0.8”; July = 1.90”; August = 0.33” Total = 15.98”
IRRIGATIONS:	One irrigation on 6-12-13 of approx. 3”
DATE HARVESTED:	8-09-13
SIZE HARVESTED PLOT:	2 rows, 21'
TEST DESIGN:	Randomized complete block
NUMBER ENTRIES:	24
NUMBER REPLICATIONS:	4
NUMBER ROWS/PLOT:	2
MEAN PLANT POP:	31,375 plants/A
TEST MEAN:	185.1 bu/A, yields corrected to 15.5% moisture
TEST C.V.:	7.4%

COMMENTS: 2013 proved to be an excellent test year in College Station. The season started out very cold, thus leading to slower seed germination after planting. This was largely reflected by the higher than average (or normal) days to 50% silk. A late frost at the V6 to V8 stage did damage the plants, but this damage was minimal and spotty compared to surrounding fields and the plants appeared to recover quickly. Nevertheless, it is possible that this caused a minor reduction in plant population but remained around target.

Due to timely rainfall and relatively mild temperatures, only one furrow irrigation was applied to the test. The timely moisture, especially during critical times of pollination and grain fill, contributed to above average yields.

Diseases and pests were observed late in the season including what appeared to be Southern Rust, Southern Leaf Blight, and an extensive infestation of spider mites. Because of adjacent research plots, the decision was made to spray for spider mites; however, plants in the Corn Performance Test were already drying down so it is unlikely that any yield loss had occurred. Virtually no ear rots were observed in this test.

Table 5A. College Station Corn Performance Test, Texas A and M University AgriLife Research Farm, College Station, Texas.

Hybrid	Company or Brand Name	Grain Color (1)	Cob Color (2)	Type GE (3)	Days to 50% Silk	Plant Ht. In.	Ear Ht. In.	Plant Pop. Per Acre	Mois-ture %	Test Wt. lb/bu	Yield bu/A (4)
REV® 28HR20™	Terral Seed, Inc	Y	R	HX1/LL/RR	89	98	32	33,500	10.2	60.5	220.3
REV® 25BHR44™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	89	94	32	31,529	10.4	60.6	210.2
REV® 28R10™	Terral Seed, Inc	Y	R	RR	89	97	29	31,286	10.4	60.2	205.7
REV® 26BHR50™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	89	93	29	31,515	10.3	61.9	201.5
DKC 62-08 GENSS	DeKalb	Y	R	SS	85	85	31	30,077	10.2	59.4	196.5
G7601	Golden Acres Genetics	Y	R	VT3P	87	93	32	32,048	9.8	58.5	195.7
DGD57VP51	CPS - Crop Prodfuction Services	Y	R	VT3P	83	84	26	29,774	10.5	59.0	194.5
Integra 9642	Wilbur-Ellis Company/Integra	Y	R	VT3PRO	86	79	23	30,222	9.8	60.1	193.6
DGD57VP75	CPS - Crop Prodfuction Services	Y	R	VT3P	86	93	31	29,144	10.3	58.7	192.1
DKC 64-69 VT3Pro	DeKalb	Y	R	VT3Pro	84	85	29	31,944	10.0	59.9	191.5
REV® 24BHR93™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	87	88	31	31,974	9.9	60.0	190.6
G6611	Golden Acres Genetics	Y	R	VT3P	85	85	25	33,093	9.6	58.6	189.8
DGVC46	CPS - Crop Prodfuction Services	Y	R	VT3P	84	84	28	30,803	10.0	59.5	189.0
Integra 9678	Wilbur-Ellis Company/Integra	Y	R	VT3PRO	84	81	28	32,981	10.3	59.0	185.4
DGD55VP77	CPS - Crop Prodfuction Services	Y	R	VT3P	85	79	24	30,803	9.9	60.7	182.1
DKC 67-57VT3Pro	DeKalb	Y	R	VT3Pro	83	80	26	31,604	10.2	59.9	175.8
G6641	Golden Acres Genetics	Y	R	VT3P	85	85	27	31,737	9.8	58.6	175.5
REV® 17HR73™	Terral Seed, Inc	Y	R	HX1/LL/RR	84	86	28	32,670	9.9	57.6	173.6
REV® 27HR83™	Terral Seed, Inc	Y	R	HX1/LL/RR	87	92	30	28,107	10.2	60.0	172.9
Integra 9630	Wilbur-Ellis Company/Integra	Y	R	VT3PRO	83	84	27	31,572	9.9	55.2	169.9
REV® 22BHR54™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	85	85	28	31,425	10.2	57.7	167.2
REV® 18BHR84™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	84	83	26	31,529	10.0	58.5	163.6
DKC 65-80 VT3Pro	DeKalb	Y	R	VT3Pro	83	78	21	32,760	9.9	59.1	157.3
Integra 9631	Wilbur-Ellis Company/Integra	Y	R	VT3PRO	84	83	25	30,913	10.3	58.7	147.0
Mean					85.3	86.3	27.8	31,375	10.1	59.2	185.1
C.V.					1.10	2.23	11.78	5.15	3.42	0.82	7.40
L.S.D. .05					1.49	3.05	5.19	2,563	0.55	0.78	21.99

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

Table 5A. College Station Corn Performance Test, Texas A and M University AgriLife Research Farm, College Station, Texas.

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

Note 2: Please contact respective seed companies for the availability of planting seed for the upcoming crop year.

(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, SS=SmartStax. Please check with respective seed companies for details on a GE hybrid.

(4) 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 5B. Three Year Summary (2011-2013), Corn Performance Test, College Station, Texas.

Hybrid (1)	Company or Brand Name	2013 Rank	2013 Yield bu/A	2012 Rank	2012 Yield bu/A	2011 Rank	2011 Yield bu/A
REV® 28HR20™	Terral Seed Inc.	1	220.3	2	267.8	4	187.8
REV® 25BHR44™	Terral Seed Inc.	2	210.2	--	--	--	--
REV® 28R10™	Terral Seed Inc.	3	205.7	10	251.2	2	189.8
REV® 26BHR50™	Terral Seed Inc.	4	201.5	--	--	--	--
DKC 62-08	Monsanto Company	5	196.5	--	--	--	--
G7601	Golden Acres Genetics	6	195.7	--	--	--	--
DG D57VP51	CPS-Crop Production Services	7	194.5	--	--	--	--
Integra 9642	Wilbur-Ellis Company	8	193.6	--	--	--	--
DG D57VP75	CPS-Crop Production Services	9	192.1	--	--	--	--
DKC 64-69	Monsanto Company	10	191.5	5	260.5	1	191.1
REV® 24BHR93™	Terral Seed Inc.	11	190.6	--	--	--	--
G6611	Golden Acres Genetics	12	189.8	--	--	--	--
DG D56VC46	CPS-Crop Production Services	13	189.0	--	--	--	--
Integra 9678	Wilbur-Ellis Company	14	185.4	--	--	--	--
DG D55VP77	CPS-Crop Production Services	15	182.1	--	--	--	--
DKC 67-57	Monsanto Company	16	175.8	12	243.5	--	--
G6641	Golden Acres Genetics	17	175.5	--	--	--	--
REV® 17HR73™	Terral Seed Inc.	18	173.6	--	--	--	--
REV® 27HR83™	Terral Seed Inc.	19	172.9	1	276.4	--	--
Integra 9630	Wilbur-Ellis Company	20	169.9	9	252.8	--	--
REV® 22BHR54™	Terral Seed Inc.	21	167.2	--	--	--	--
REV® 18BHR84™	Terral Seed Inc.	22	163.6	--	--	--	--
DKC 65-80	Monsanto Company	23	157.3	--	--	--	--
Integra 9631	Wilbur-Ellis Company	24	147.0	16	231.9	--	--
Fill (DKC64-69)	Texas A&M AgriLife Research	--	--	3	264.3	--	--
DKC 68-05	Monsanto Company	--	--	4	262.5	19	164.8
DKC 66-96	Monsanto Company	--	--	6	259.1	10	179.6
GA 28V81	Golden Acres Genetics	--	--	7	256.2	14	174.0
REV® 29HR13™	Terral Seed Inc.	--	--	8	255.4	--	--
REV® 26HR23™	Terral Seed Inc.	--	--	11	247.8	--	--

Table 5B. Three Year Summary (2011-2013), Corn Performance Test, College Station, Texas.

Hybrid (1)	Company or Brand Name	2013 Rank	2013 Yield bu/A	2012 Rank	2012 Yield bu/A	2011 Rank	2011 Yield bu/A
GA 27V01	Golden Acres Genetics	--	--	13	243.4	7	180.6
REV® 26HR50™	Terral Seed Inc.	--	--	14	236.2	9	179.8
GA G5531	Golden Acres Genetics	--	--	15	233.5	--	--
REV® 27HR52™	Terral Seed Inc.	--	--	17	224.4	6	181.9
Integra 9613	Wilbur-Ellis Company	--	--	18	213.2	20	156.3
REV® 26HR82™	**Terral Seed Inc.**					*******	**152.0/174.5**
REV®28HR22™	**Terral Seed Inc.**					*******	**150.1/186.5**
Number of Entries		24		28		22	
Test Mean Yield			185.1		250.4		173.6

***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.

2013 Corn Performance Test

Texas Blackland Prairies	Bardwell (RF) Yield (bu/ac)	Farmersville (RF) Yield (bu/ac)	Thrall (RF) Yield (bu/ac)	Average Relative Yield (%)
GA G7601	138	112	.	96.2
Integra 9678	125	121	109	95.2
DG D55VP77	.	115	106	94.0
GA G5621	121	113	107	92.0
GA G6641	.	119	96	91.5
REV 17HR73	122	114	105	91.2
Dekalb DKC 62-08	127	103	115	91.0
Dekalb DKC 66-96	130	.	98	90.0
NK N78S	.	113	98	89.8
DG D57VP51	.	111	100	89.6
Dekalb DKC 64-69	112	115	104	89.1
Dekalb DKC 67-57	117	114	100	88.7
Integra 9630	127	109	96	88.6
NK N79T	.	109	96	87.6
DG D57VP75	.	115	88	87.3
Triumph 21366S	122	105	97	86.5
GA G4598	127	.	84	85.8
REV 22BHR54	111	111	94	84.8
REV 26BHR50	124	105	88	84.1
Integra 9631	106	109	93	83.4
REV 25BHR44	128	100	75	81.7
NK N79A	.	103	87	81.6
REV 24BHR93	124	93	87	81.3
Integra 9642	95	105	101	81.1
REV 18BHR84	113	99	88	80.6
NK N77P	.	102	87	80.0
REV 28HR20	122	96	77	79.2
REV 27HR83	132	92	70	77.9
REV 28R10	123	88	80	77.3
Triumph 31783S	.	96	82	75.9
Triumph 11832X	102	89	82	73.0

Note: Relative yields are calculated for each site by calculating the yield for each hybrid as a percentage of the best performing hybrid then averaged across all sites within each production region. Hybrids must be entered at more than one location to be be included. (F) = full irrigation, (L) = limited irrigation, (RF) = rain fed

Table 6. AGRONOMIC AND TEST INFORMATION: THRALL

TEST:	2013 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 12-4-12
DATE PLANTED:	3-14-13: planted flat with cones mounted on an ALMACO planter using JD Max-Emerge II units
PLOT LENGTH:	26'
FERTILIZER:	130+12+24, pre-plant
HERBICIDE:	Broadcast tank mix of 26 oz/A Roundup PowerMAX as a burn-down prior to planting Applied 1.3 pt/A of Parallel + 1.0 lb/A Atrazine, pre-emerge
INSECTICIDE:	None, seeds were required to be treated with a seed insecticide
RAINFALL	January = 4.15"; February = 0.38"; March = 2.58"; April = 2.15", May = 3.07"; June = 0.0"; July = 3.72"; August = 1.03" Total = 17.08"
DATE HARVESTED:	8-6-13 with a JD3300 plot combine equipped with Grain Gauge.
SIZE HARVESTED PLOT:	2 rows, 26' long
TEST DESIGN:	Randomized complete block
NUMBER ENTRIES:	35
NUMBER REPLICATIONS:	4
NUMBER ROWS/PLOT:	2
MEAN PLANT POP:	21,311 plants/A
TEST MEAN:	93.1 bu/A; yields corrected to 15.5% moisture
TEST C.V.:	6.95%

COMMENTS: Contrary to 2012, the test started with excellent soil moisture conditions from fall and winter rains. Wet soil conditions delayed planting until March 14 which is approximately three weeks later than the optimum planting date for this Southern Blacklands location.

Timely rains in April and May contributed to early plant growth and development; however, the test block received no rain in June which probably reduced potential yields.

The test mean yield was 93.1 bu/A with eight hybrids producing over 100 bu/A.

***

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 web page at http://varietytesting.tamu.edu

Table 6A. Thrall Corn Performance Test, Stiles Farm Foundation, Thrall, Texas.

Hybrid	Company or Brand Name	Grain Color (1)	Cob Color (2)	Type GE (3)	Days to 50% Silk	Plant Ht. In.	Ear Ht. In.	Plant Pop. Per Acre	Mois-ture %	Test Wt. lb/bu	Yield bu/A (4)
DKC 62-08 GENSS	DeKalb	Y	R	SS	75	80	31	21,274	10.1	54.2	112.5
DG56VC46	CPS-Crop Production Services	Y	R	*	73	74	31	21,813	10.2	54.4	110.8
Integra 9678	Wilbur-Ellis Company/Integra	Y	R	VT3PRO	74	79	28	21,497	9.8	54.8	110.0
G5621	Golden Acres Genetics	Y	R	VT3Pro	75	75	22	21,692	9.8	55.0	107.4
DG D55VP77	CPS-Crop Production Services	Y	R	*	74	73	24	22,128	10.3	54.6	105.3
REV® 17HR73™	Terral Seed, Inc	Y	R	HX1/LL/RR	74	80	29	21,890	9.9	52.4	104.5
DKC 64-69 VT3Pro	DeKalb	Y	R	VT3Pro	74	81	29	21,295	10.6	54.5	104.1
Integra 9642	Wilbur-Ellis Company/Integra	Y	R	VT3PRO	75	76	26	20,105	10.0	54.4	100.6
DKC 67-57VT3Pro	DeKalb	Y	R	VT3Pro	74	80	26	21,890	11.5	56.5	99.7
DG D57VP51	CPS-Crop Production Services	Y	R	*	75	76	24	20,766	10.3	54.3	99.5
DKC 66-96 VT3Pro	DeKalb	Y	R	VT3Pro	74	76	27	22,155	9.9	53.1	98.3
N78S3111	Syngenta	Y	W	V,Bt,CRW,GT	76	87	30	20,832	10.0	52.7	98.0
1366S	Triumph Seed Co. Inc	Y	P	SSX	77	76	31	20,898	9.7	53.0	96.7
G6641	Golden Acres Genetics	Y	R	VT3Pro	75	80	30	21,229	10.3	53.9	96.2
N72Q3111	Syngenta	Y	P	V,Bt,CRW,GT	75	86	29	21,418	9.0	52.1	95.8
Integra 9630	Wilbur-Ellis Company/Integra	Y	R	VT3PRO	74	83	26	21,493	9.7	52.1	95.7
N79T3111	Syngenta	Y	P	V,Bt,CRW,GT	76	85	31	20,453	11.5	55.8	95.5
G5531	Golden Acres Genetics	Y	R	VT3Pro	74	80	24	19,642	10.7	56.5	94.2
REV® 22BHR54™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	75	85	31	21,692	10.2	54.0	93.9
Integra 9631	Wilbur-Ellis Company/Integra	Y	R	VT3PRO	74	78	26	21,284	10.1	54.3	93.2
N79A3111	Syngenta	Y	P	V,Bt,CRW,GT	76	90	31	21,850	10.0	56.4	88.2
REV® 26BHR50™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	77	85	27	21,493	12.0	57.3	88.1
D57VP75	CPS-Crop Production Services	Y	R	*	76	87	31	20,303	10.1	54.0	87.6
REV® 18BHR84™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	75	80	26	21,418	9.8	54.3	87.5
REV® 24BHR93™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	76	88	31	21,864	10.7	55.2	87.1
N77P3111	Syngenta	Y	P	V,Bt,CRW,GT	76	86	27	21,560	9.4	52.3	86.7
G4598	Golden Acres Genetics	Y	R	VT2Pro	73	83	28	21,184	11.2	56.8	86.3
TRX31710S	Triumph Seed Co. Inc	Y	*	SSX	78	82	33	22,089	9.1	52.0	83.5

Table 6A. Thrall Corn Performance Test, Stiles Farm Foundation, Thrall, Texas.

Hybrid	Company or Brand Name	Grain Color (1)	Cob Color (2)	Type GE (3)	Days to 50% Silk	Plant Ht. In.	Ear Ht. In.	Plant Pop. Per Acre	Mois-ture %	Test Wt. lb/bu	Yield bu/A (4)
TRX31748H	Triumph Seed Co. Inc	Y	*	HXI/RR	76	80	31	20,634	8.6	51.7	83.1
TRX 11832X	Triumph Seed Co. Inc	Y	W	HXXT/RR	80	94	33	21,758	10.3	53.9	81.9
TRX 31783S	Triumph Seed Co. Inc	Y	*	SSX	78	83	33	20,624	9.0	48.7	80.9
REV® 28R10™	Terral Seed, Inc	Y	R	RR	78	89	34	21,295	10.6	55.8	80.2
REV® 28HR20™	Terral Seed, Inc	Y	R	HX1/LL/RR	79	90	33	21,460	10.8	56.0	77.7
REV® 25BHR44™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	79	89	33	22,555	9.4	55.6	75.9
REV® 27HR83™	Terral Seed, Inc	Y	R	HX1/LL/RR	76	88	33	20,369	9.9	54.7	70.4
Mean					75.5	82.4	29.1	21,311	10.1	54.2	93.1
C.V.					0.79	4.91	9.76	5.22	7.71	0.86	6.95
L.S.D. .05					0.93	6.30	4.43	NS	1.26	0.73	10.12

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) 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, SS=SmartStax. Please check with respective seed companies for details on a GE hybrid.

(4) 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 (2011-2013), Corn Performance Test, Thrall, Texas.

Hybrid (1)	Company or Brand Name	2013 Rank	2013 Yield bu/A	2012 Rank	2012 Yield bu/A	2011 Rank	2011 Yield bu/A
DKC 62-08	Monsanto Company	1	112.5	--	--	--	--
DG 56VC46	CPS - Crop Production Services	2	110.8	--	--	--	--
Integra 9678	Wilbur-Ellis Company	3	110.0	--	--	--	--
G5621	Golden Acres Genetics	4	107.4	--	--	--	--
DG D55VP77	CPS - Crop Production Services	5	105.3	--	--	--	--
REV® 17HR73™	Terral Seed, Inc.	6	104.5	--	--	--	--
DKC 64-69	Monsanto Company	7	104.1	4	90.4	--	--
Integra 9642	Wilbur-Ellis Company	8	100.6	--	--	--	--
DKC 67-57	Monsanto Company	9	99.7	1	94.6	--	--
DG D57VP51	CPS - Crop Production Services	10	99.5	--	--	--	--
DKC 66-96	Monsanto Company	11	98.3	3	92.7	--	--
N78S-3111	Syngenta Seeds, Inc.	12	98.0	2	92.9	--	--
TRX 21366S	Triumph Seed Co., Inc.	13	96.7	--	--	--	--
G6641	Golden Acres Genetics	14	96.2	--	--	--	--
N72Q-3111	Syngenta Seeds, Inc.	15	95.8	17	75.4	--	--
Integra 9630	Wilbur-Ellis Company	16	95.7	19	74.1	--	--
N79T-3111	Syngenta Seeds, Inc.	17	95.5	--	--	--	--
GA G5531	Golden Acres Genetics	18	94.2	15	76.3	--	--
REV® 22BHR54™	Terral Seed, Inc.	19	93.9	--	--	--	--
Integra 9631	Wilbur-Ellis Company	20	93.2	12	77.4	--	--
N79A-3111	Syngenta Seeds, Inc.	21	88.2	--	--	--	--
REV® 26BHR50™	Terral Seed, Inc.	22	88.1	--	--	--	--
D57VP75	CPS - Crop Production Services	23	87.6	--	--	--	--
REV® 18BHR84™	Terral Seed, Inc.	24	87.5	--	--	--	--
REV® 24BHR93™	Terral Seed, Inc.	25	87.1	--	--	--	--
N77P-3111	Syngenta Seeds, Inc.	26	86.7	8	82.7	--	--
G4598	Golden Acres Genetics	27	86.3	--	--	--	--
TRX 31710S	Triumph Seed Co., Inc.	28	83.5	--	--	--	--
TRX 31748H	Triumph Seed Co., Inc.	29	83.1	--	--	--	--
TRX 11832X	Triumph Seed Co., Inc.	30	81.9	--	--	--	--

Table 6B. Three Year Summary (2011-2013), Corn Performance Test, Thrall, Texas.

Hybrid (1)	Company or Brand Name	2013 Rank	2013 Yield bu/A	2012 Rank	2012 Yield bu/A	2011 Rank	2011 Yield bu/A
TRX 31783S	Triumph Seed Co., Inc.	31	80.9	--	--	--	--
REV® 28R10™	Terral Seed, Inc.	32	80.2	14	76.8	--	--
REV® 28HR20™	Terral Seed, Inc.	33	77.7	24	57.8	--	--
REV® 25BHR44™	Terral Seed, Inc.	34	75.9	--	--	--	--
REV® 27HR83™	Terral Seed, Inc.	35	70.4	11	78.7	--	--
REV® 26HR50™	Terral Seed, Inc.	--	--	5	88.1	--	--
DKC 62-09	Monsanto Company	--	--	6	86.8	--	--
Fill (Integra 9673)	Texas A&M AgriLife Research	--	--	7	82.8	--	--
GA 27V01	Golden Acres Genetics	--	--	9	82.0	--	--
Integra 9613	Wilbur-Ellis Company	--	--	10	81.7	--	--
REV® 26HR23™	Terral Seed, Inc.	--	--	13	77.4	--	--
REV® 27HR52™	Terral Seed, Inc.	--	--	16	76.2	--	--
N74G-3000GT	Syngenta Seeds, Inc.	--	--	18	74.3	--	--
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	--	--
1956H	Triumph Seed Co., Inc.	--	--	25	57.0	--	--
Number of Entries		35		25		--	
Test Mean Yield			93.1		78.9		--

**2011 Test Lost Due to Drought

Table 7. AGRONOMIC AND TEST INFORMATION: BARDWELL

TEST:	2013 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:	3-6-2013: 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 2012 Applied 200 lb/A of 32+0+0 at planting
HERBICIDE:	Applied 1.2 pt/A Dual II Magnum, 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. January = 5.16”; February = 1.17”; March = 1.33”; April = 3.90”; May = 3.53”: June = 1.16”; July = 3.63”; August = 1.03” Total = 20.91”
DATE HARVESTED:	8-19-13, with a JD3300 plot combine equipped with Grain Gauge
SIZE HARVESTED PLOT:	2 rows, 26' long
TEST DESIGN:	Randomized complete block
NUMBER ENTRIES:	33
NUMBER REPLICATIONS:	4
NUMBER ROWS/PLOT:	2
MEAN PLANT POP:	23,855 plants/A
TEST MEAN:	106.2 bu/A; yields corrected to 15.5% moisture
TEST C.V.:	8.41%

COMMENTS: Weather conditions were not favorable for optimum yields at this test site. The season started with good soil moisture. Extended periods of cold temperatures hampered early plant growth and development. Timely rains prior to the silk stage were beneficial, however an extended period of hot and dry conditions after flowering probably reduced potential yields. The test mean yield was 106.2 bu/A compared to 148.0 bu/A in 2012.

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

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

Table 7A. Bardwell Corn Performance Test, Bob and Steve Beakley Farm, Bardwell, Texas.

Hybrid	Company or Brand Name	Grain Color (1)	Cob Color (2)	Type GE (3)	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 (4)
Integra 9678	Wilbur-Ellis Company/Integra	Y	R	VT3PRO	84	80	32	23,874	100.0	11.7	55.9	120.8
G6641	Golden Acres Genetics	Y	R	VT3Pro	84	90	33	24,639	100.0	10.9	55.4	119.5
DKC 64-69 VT3Pro	DeKalb	Y	R	VT3Pro	85	84	31	24,293	99.0	10.8	56.3	115.2
DG D55VP77	CPS-Crop Production Services	Y	R	*	84	80	26	23,204	99.6	10.9	56.5	115.0
REV® 17HR73™	Terral Seed, Inc	Y	R	HX1/LL/RR	85	87	31	24,963	100.0	10.7	54.1	114.6
D57VP75	CPS-Crop Production Services	Y	R	*	85	94	34	24,377	99.7	9.5	54.9	114.6
DKC 67-57VT3Pro	DeKalb	Y	R	VT3Pro	84	83	31	23,372	99.3	10.2	57.0	114.4
DKC 66-96 Gen VT3P	DeKalb	Y	R	VT3Pro	84	85	29	25,382	98.7	9.4	54.7	114.1
N78S3111	Syngenta	Y	P	V,Bt,CRW,GT	86	92	37	23,539	100.0	10.9	55.0	113.5
G5621	Golden Acres Genetics	Y	R	VT3Pro	84	83	27	23,037	99.3	10.8	56.5	113.0
G7601	Golden Acres Genetics	Y	R	VT3Pro	86	96	36	23,836	98.9	9.0	54.9	111.5
DG D57VP51	CPS-Crop Production Services	Y	R	*	85	80	31	24,377	98.9	9.4	55.6	111.4
REV® 22BHR54™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	85	89	33	22,869	98.6	9.4	55.5	111.1
Fill (G7601)	Golden Acres Genetics	Y	R	VT3Pro	86	96	36	23,790	100.0	10.4	55.1	109.9
Integra 9631	Wilbur-Ellis Company/Integra	Y	R	VT3PRO	84	88	33	23,037	99.6	10.3	55.6	109.2
N79T3111	Syngenta	Y	P	V,Bt,CRW,GT	85	101	37	21,864	100.0	12.1	56.5	109.2
Integra 9630	Wilbur-Ellis Company/Integra	Y	R	VT3PRO	84	89	32	25,064	99.9	10.1	55.2	109.2
REV® 26BHR50™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	87	94	31	23,790	100.0	11.0	59.5	105.3
1366S	Triumph Seed Co. Inc	Y	P	SSX	88	86	33	25,633	99.7	10.6	53.3	104.9
Integra 9642	Wilbur-Ellis Company/Integra	Y	R	VT3PRO	85	81	32	23,288	98.9	9.9	56.2	104.7
N79A3111	Syngenta	Y	W	V,Bt,CRW,GT	86	98	34	24,544	99.0	11.6	57.9	103.4
DKC 62-08 GENSS	DeKalb	Y	R	SS	85	85	33	23,204	97.8	9.8	55.0	103.3
N82V3111	Syngenta	Y	P	V,Bt,CRW,GT	86	99	34	23,623	97.9	11.7	56.7	102.6
N77P3111	Syngenta	Y	P	V,Bt,CRW,GT	85	95	33	23,204	98.9	11.4	54.5	101.7
REV® 25BHR44™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	89	100	38	24,796	99.4	11.0	57.4	100.1
REV® 18BHR84™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	85	83	27	23,288	99.7	10.2	55.6	99.4
G6611	Golden Acres Genetics	Y	R	VT3Pro	85	85	33	23,790	98.3	10.3	55.3	99.2
REV® 28HR20™	Terral Seed, Inc	Y	R	HX1/LL/RR	89	100	41	24,248	99.6	9.9	56.3	95.8

Table 7A. Bardwell Corn Performance Test, Bob and Steve Beakley Farm, Bardwell, Texas.

Hybrid	Company or Brand Name	Grain Color (1)	Cob Color (2)	Type GE (3)	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 (4)
TRX 31783S	Triumph Seed Co. Inc	Y		SSSX	89	91	38	24,126	99.3	9.5	49.2	95.8
REV® 24BHR93™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	87	94	33	23,958	98.7	11.6	57.3	92.8
REV® 27HR83™	Terral Seed, Inc	Y	R	HX1/LL/RR	87	95	37	22,366	97.3	10.1	57.1	92.4
TRX 11832X	Triumph Seed Co. Inc	Y	W	HXXT/RR	89	102	39	24,042	96.1	9.4	53.2	88.9
REV® 28R10™	Terral Seed, Inc	Y	R	RR	89	95	36	23,790	99.7	11.4	56.4	88.2
Mean					85.70	90.14	33.23	23,855	99.10	10.47	55.62	106.2
C.V.					0.75	3.30	8.09	4.47	1.59	12.17	0.85	8.41
L.S.D. .05					0.93	4.29	4.01	1,566	NS	NS	0.68	12.93

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

(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, SS=SmartStax. Please check with respective seed companies for details on a GE hybrid.

(4) 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 7B. Three Year Summary (2011-2013), Corn Performance Test, Bardwell, Texas.

Hybrid (1)	Company or Brand Name	2013 Rank	2013 Yield bu/A	2012 Rank	2012 Yield bu/A	2011 Rank	2011 Yield bu/A
Integra 9678	Wilbur-Ellis Company	1	120.8	--	--	--	--
G6641	Golden Acres Genetics	2	119.5	--	--	--	--
DKC 64-69	Monsanto Company	3	115.2	2	165.3	1	91.4
DG D55VP77	CPS-Crop Production Services	4	115.0	--	--	--	--
REV® 17HR73™	Terral Seed, Inc	5	114.6	--	--	--	--
D57VP75	CPS-Crop Production Services	6	114.6	--	--	--	--
DKC 67-57	Monsanto Company	7	114.4	4	159.2	--	--
DKC 66-96	Monsanto Company	8	114.1	7	155.8	6	69.7
N78S-3111	Syngenta Seeds	9	113.5	12	146.6	3	74.6
G5621	Golden Acres Genetics	10	113.0	--	--	--	--
G7601	Golden Acres Genetics	11	111.5	--	--	--	--
DG D57VP51	CPS-Crop Production Services	12	111.4	--	--	--	--
REV® 22BHR54™	Terral Seed, Inc	13	111.1	--	--	--	--
Fill (G7601)	Golden Acres Genetics	14	109.9	--	--	--	--
Integra 9631	Wilbur-Ellis Company	15	109.2	11	148.1	--	--
N79T-3111	Syngenta Seeds	16	109.2	--	--	--	--
Integra 9630	Wilbur-Ellis Company	17	109.2	10	148.9	--	--
REV® 26BHR50™	Terral Seed, Inc	18	105.3	--	--	--	--
TRX 21366S	Triumph Seed Co., Inc	19	104.9	--	--	--	--
Integra 9642	Wilbur-Ellis Company	20	104.7	--	--	--	--
N79A-3111	Syngenta Seeds	21	103.4	--	--	--	--
DKC 62-08	Monsanto Company	22	103.3	--	--	--	--
N82V-3111	Syngenta Seeds	23	102.6	--	--	--	--
N77P-3111	Syngenta Seeds	24	101.7	26	131.2	--	--
REV® 25BHR44™	Terral Seed, Inc	25	100.1	--	--	--	--
REV® 18BHR84™	Terral Seed, Inc	26	99.4	--	--	--	--
G6611	Golden Acres Genetics	27	99.2	--	--	--	--
REV® 28HR20™	Terral Seed, Inc	28	95.8	22	139.0	25	54.0
TRX 31783S	Triumph Seed Co., Inc	29	95.8	--	--	--	--
REV® 24BHR93	Terral Seed, Inc	30	92.8	--	--	--	--

Table 7B. Three Year Summary (2011-2013), Corn Performance Test, Bardwell, Texas.

Hybrid (1)	Company or Brand Name	2013 Rank	2013 Yield bu/A	2012 Rank	2012 Yield bu/A	2011 Rank	2011 Yield bu/A
REV® 27HR83™	Terral Seed, Inc	31	92.4	16	144.6	--	--
TRX 11832X	Triumph Seed Co., Inc	32	88.9	--	--	--	--
REV® 28R10™	Terral Seed, Inc	33	88.2	13	146.2	30	48.8
DKC 62-09	Monsanto Company	--	--	1	165.4	--	--
Fill (DKC 64-69)	Texas A&M AgriLife Research	--	--	3	160.1	2	85.2
REV® 26HR50™	Terral Seed, Inc	--	--	5	158.7	21	59.7
GA 28V81	Golden Acres Genetics	--	--	6	156.0	8	69.3
REV® 26HR23™	Terral Seed, Inc	--	--	8	151.6	--	--
REV® 27HR52™	Terral Seed, Inc	--	--	9	150.2	33	39.5
TRX29510HL	Triumph Seed Co., Inc	--	--	14	145.7	--	--
GA G5531	Golden Acres Genetics	--	--	15	145.1	--	--
Integra 9613	Wilbur-Ellis Company	--	--	17	144.4	22	58.2
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
N72Q-3111	Syngenta Seeds	--	--	23	136.9	10	67.5
GA 26V21	Golden Acres Genetics	--	--	24	136.6	--	--
7514X	Triumph Seed Co., Inc	--	--	25	135.4	--	--
1711X	Triumph Seed Co., Inc	--	--	27	126.4	18	61.6
Number of Entries		33		27		34	
Test Mean Yield			106.2		148.0		65.0

Table 8. AGRONOMIC AND TEST INFORMATION: FARMERSVILLE

TEST:	2013 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 + Valor as a burn-down
DATE PLANTED:	3-19-13: Planted flat with a belt cone 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 Side-dressed 42 gal/A of 32+0+0 at lay-by (150 lb/A N)
HERBICIDE:	Applied 1.0 qt/A of Atrazine at planting Applied 1 pt/A of Clarity prior to layby
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, then the weather turned hot and dry
DATE HARVESTED:	8-22-13 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:	26
NUMBER REPLICATIONS:	4
NUMBER ROWS/PLOT:	2
MEAN PLANT POP:	17,736 plants/A
TEST MEAN:	119.4 bu/A; yields corrected to 15.5% moisture
TEST C.V.:	7.82%

COMMENTS: Good moisture conditions during the early part of the growing season and timely rainfall resulted in good yields at this site. Potential yields were probably reduced due to lack of beneficial rains and hot temperatures after flowering. This was a uniform test as reflected by the C.V. of 7.82%.

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

***

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

Table 8A. Farmersville Corn Performance Test, Kenneth Wright Farm, Farmersville, Texas.

Hybrid	Company or Brand Name	Grain Color (1)	Cob Color (2)	Type GE (3)	Days to 50% Silk	Plant Ht. In.	Ear Ht. In.	Plant Pop. Per Acre	% Erect Plants	Test Wt. lb/bu	Yield bu/A (4)
G7601	Golden Acres Genetics	Y	R	VT3Pro	87	95	34	17,766	99.5	57.8	138.4
REV® 27HR83™	Terral Seed, Inc	Y	R	HX1/LL/RR	86	96	34	18,364	100.0	60.0	132.4
DKC 66-96 VT3Pro	DeKalb	Y	R	VT3Pro	87	84	30	19,218	100.0	59.4	130.4
REV® 25BHR44™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	87	97	32	17,766	100.0	60.2	128.2
DKC 62-08 GENSS	DeKalb	Y	R	SS	87	86	29	18,791	100.0	58.5	127.3
G4598	Golden Acres Genetics	Y	R	VT2P	87	87	28	18,193	100.0	59.4	127.1
Integra 9630	Wilbur-Ellis Company/Integra	Y	R	VT3PRO	87	86	29	17,851	100.0	56.4	126.9
Integra 9678	Wilbur-Ellis Company/Integra	Y	R	VT3PRO	86	80	27	17,766	99.5	58.6	125.0
REV® 26BHR50™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	88	96	32	18,620	99.6	61.4	124.2
REV® 24BHR93™	Terral Seed, Inc	Y	R	RR	88	92	31	17,168	99.5	59.0	124.0
REV® 28R10™	Terral Seed, Inc	Y	R	RR	87	96	30	18,022	100.0	59.9	123.0
REV® 17HR73™	Terral Seed, Inc	Y	R	HX1/LL/RR	88	88	29	18,876	100.0	57.4	122.4
1366S	Triumph Seed Co. Inc	Y	P	SSX	89	82	28	17,766	100.0	57.8	122.0
REV® 28HR20™	Terral Seed, Inc	Y	R	HX1/LL/RR	88	96	33	18,876	99.6	59.7	121.5
1217S	Triumph Seed Co. Inc	Y	R	SSX	88	86	30	16,997	100.0	57.1	121.1
G5621	Golden Acres Genetics	Y	R	VT3Pro	87	81	25	18,278	100.0	59.4	119.4
DKC 67-57VT3Pro	DeKalb	Y	R	VT3Pro	87	81	27	17,595	100.0	59.7	116.8
G1631	Golden Acres Genetics	Y	R	VT3Pro	88	85	30	17,766	98.6	58.9	116.2
REV® 18BHR84™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	87	85	28	17,936	98.7	57.6	112.8
Check 1 (G1631)	Golden Acres Genetics	Y	R	VT3Pro	88	84	30	16,997	99.0	58.2	112.6
DKC 64-69 VT3Pro	DeKalb	Y	R	VT3Pro	87	82	28	16,057	100.0	58.7	112.1
REV® 22BHR54™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	87	89	29	18,449	100.0	56.7	111.5
TRX31783X	Triumph Seed Co. Inc	Y	*	SSX	86	90	32	17,253	100.0	55.2	108.8
Integra 9631	Wilbur-Ellis Company/Integra	Y	R	VT3PRO	88	85	29	16,997	98.5	57.7	104.0
TRX11832X	Triumph Seed Co. Inc	Y	W	HXXT/RR	86	97	31	15,118	100.0	57.8	102.2
Integra 9642	Wilbur-Ellis Company/Integra	Y	R	VT3PRO	87	78	22	16,655	100.0	59.7	95.2
Mean					87.05	87.76	29.36	17,736	99.71	58.55	119.4
C.V.					1.12	3.65	6.71	7.28	0.75	0.79	7.82
L.S.D. .05					1.42	4.66	2.87	1,880	1.09	0.67	13.88

Table 8A. Farmersville Corn Performance Test, Kenneth Wright Farm, Farmersville, Texas.

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

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: Appreciation is expressed to Mr. Russell Sutton, Assistant Research Scientist, Texas A&M AgriLife Research, Commerce, Texas for providing assistance in planting, monitoring, and collecting notes throughout the growing season.

Note 3: Due to a malfunctioning moisture blade on our weigh system, we collected 12 samples at random and ran the grain through our bench moisture meter and averaged the samples. Moisture ranged from 11.0 to 12.6% with the average being 11.65%.

(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, SS=SmartStax. Please check with respective seed companies for details on a GE hybrid.

(4) 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 8B. Three Year Summary (2011-2013), Corn Performance Test, Farmersville, Texas.

Hybrid (1)	Company or Brand Name	2013 Rank	2013 Yield bu/A	2012 Rank	2012 Yield bu/A	2011 Rank	2011 Yield bu/A
G7601	Golden Acres Genetics	1	138.4	--	--	--	--
REV® 27HR83™	Terral Seed Inc.	2	132.4	5	141.7	--	--
DKC 66-96	Monsanto Company	3	130.4	--	--	26	89.9
REV® 25BHR44™	Terral Seed, Inc.	4	128.2	--	--	--	--
DKC 62-08	Monsanto Company	5	127.3	--	--	--	--
G4598	Golden Acres Genetics	6	127.1	--	--	--	--
Integra 9630	Wilbur-Ellis Company	7	126.9	25	126.2	--	--
Integra 9678	Wilbur-Ellis Company	8	125.0	--	--	--	--
REV® 26BHR50™	Terral Seed, Inc.	9	124.2	--	--	--	--
REV® 24BHR93™	Terral Seed, Inc.	10	124.0	--	--	--	--
REV® 28R10™	Terral Seed Inc.	11	123.0	27	123.6	--	--
REV® 17HR73™	Terral Seed, Inc,	12	122.4	--	--	--	--
TRX 21366S	Triumph Seed Co., Inc.	13	122.0	--	--	--	--
REV® 28HR20™	Terral Seed, Inc.	14	121.5	4	143.2	3	107.3
1217S	Triumph Seed Co., Inc.	15	121.1	--	--	--	--
G5621	Golden Acres Genetics	16	119.4	--	--	--	--
DKC 67-57	Monsanto Company	17	116.8	6	141.2	--	--
G1631	Golden Acres Genetics	18	116.2	--	--	--	--
REV® 18BHR84™	Terral Seed, Inc.	19	112.8	--	--	--	--
Check (G1631)	Golden Acres Genetics	20	112.6	--	--	--	--
DKC 64-69	Monsanto Company	21	112.1	15	134.6	14	98.8
REV® 22BHR54™	Terral Seed, Inc.	22	111.5	--	--	--	--
TRX 31783X	Triumph Seed Co., Inc.	23	108.8	--	--	--	--
Integra 9631	Wilbur-Ellis Company	24	104.0	20	129.4	--	--
TX 11832X	Triumph Seed Co., Inc.	25	102.2	--	--	--	--
Integra 9642	Wilbur-Ellis Company	26	95.2	--	--	--	--
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® 29HR13™	Terral Seed Inc.	--	--	7	140.5	--	--

Table 8B. Three Year Summary (2011-2013), Corn Performance Test, Farmersville, Texas.

Hybrid (1)	Company or Brand Name	2013 Rank	2013 Yield bu/A	2012 Rank	2012 Yield bu/A	2011 Rank	2011 Yield bu/A
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
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
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	--	--
BH 8570VTTP	B-H Genetics	--	--	26	125.0	33	76.6
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	--	--
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	--	--
Number of Entries		26		33		34	
Mean Yield			119.4		132.6		96.8

2013 Corn Performance Test

High Plains	Dalhart (F) Yield (bu/ac)	Dumas (F) Yield (bu/ac)	Average Relative Yield (%)
GA G5621	234	311	98.5
DG D55VP77	235	304	97.8
Dekalb DKC 66-42	223	304	95.2
Dekalb DKC 62-08	221	297	93.6
Triumph 21366S	235	271	93.1
Dekalb DKC 64-69	210	303	92.8
Armor 1555	208	305	92.0
Armor 1880	215	290	91.2
Triumph 1217S	227	275	91.1
DG D56VC46	197	314	91.1
DG D57VP51	197	312	90.8
Integra 9642	205	303	90.4
Triumph 1157S	227	270	90.4
GA G5531	205	298	90.2
REV 27HR83	210	291	90.2
GA G6641	215	283	89.9
DG D57VP75	212	286	89.8
GA G4598	206	290	89.2
Armor 1133	219	270	88.3
Mycogen 2V709	209	280	88.1
Armor 1550	208	281	88.1
Mycogen 2Y816	206	278	87.3
REV 17HR73	209	268	86.3
Triumph 1725H	196	282	85.9
GA G1631	208	267	85.9
Integra 9631	207	263	85.0
Mycogen 2K757	190	275	84.2
Triumph 7514S	189	278	83.8
Mycogen 2Y767	174	288	82.2
Armor 1262	183	271	81.4
REV 26R60	157	274	77.9
Triumph 1329S	167	262	77.7

Note: Relative yields are calculated for each site by calculating the yield for each hybrid as a percentage of the best performing hybrid then averaged across all sites within each production region. Hybrids must be entered at more than one location to be be included. (F) = full irrigation, (L) = limited irrigation, (RF) = rain fed

Table 9. AGRONOMIC AND TEST INFORMATION: DUMAS

TEST:	2013 Irrigated Corn Performance Test
LOCATION:	Lone Star Family Farms, Sunray, Texas
COOPERATOR:	Justin Crownover
COLLABORATOR:	Marcel Fischbacher, Moore Co. CEA
SOIL TYPE:	Sherman silty clay loam
ROW WIDTH:	30"
PREVIOUS CROP:	Cotton
LAND PREPARATION:	Striptill behind cotton
DATE PLANTED:	5-7-13: Planted with cones mounted on an ALMACO planter using JD Max-Emerge II units
PLOT LENGTH:	26'
FERTILIZER:	Fall of 2012: Applied 3 tons/A of compost that had an analysis of 33+102+108 Applied 110 lb/A of N as Anhydrous Ammonia when field was strip-tilled Applied 80 lb/A of N as 32-0-0 by fertigation during growing season
HERBICIDE:	Applied 10 oz/A of Verdict as a burn-down two weeks prior to planting Applied 1.5 oz/A if Zidua, pre-emeerge Applied 32 oz/A of Roundup + 3 oz/A of Laudis at V7 stage Applied 32 oz/A of Roundup, post-pollination by helicopter
INSECTICIDE:	None, seeds were required to be treated with a seed insecticide
FUNGICIDE:	Aerially applied 6 oz/A of Headline + 1 pt/A of Crop Oil at tassel stage
MITICIDE:	Applied by ground rig 2.5 pt/A of Comite + Vegetable oil during the tassel-silk stage
RAINFALL:	8.0” during the growing season
IRRIGATIONS:	26.0” were applied through a center pivot system during the growing season
DATE HARVESTED:	10-14&15-13, 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:	38

NUMBER REPLICATIONS:	4
NUMBER ROWS/PLOT:	2
MEAN PLANT POP:	31,275 plants/A
TEST MEAN:	285.4 bu/A; yields corrected to 15.5% moisture
TEST C.V.:	6.41%

COMMENTS: Outstanding yields were attained at this test site near Sunray, Texas which is representative of conditions in the Northern High Plains of Texas, Crop Reporting District 1N.

The test block was planted on May 7 which is an optimum planting date for this area. Timely rainfall and a timely irrigation schedule along with excellent agronomic practices throughout the growing season contributed to final yields.

The test mean yield was 285.4 bu/A compared to the past 3-year average of 228.2 bu/A. Eight hybrids produced over 300 bu/A. Test weights ranged from 54.7 lb/bu to 61.5 lb/bu with the mean being 58.5 lb/bu. Lodging was not a problem in the test.

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.

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

Table 9A. Dumas/Sunray Corn Performance Test, Justin Crownover Farm, Sunray, Texas.

Hybrid	Company or Brand Name	Grain Color (1)	Cob Color (2)	Type GE (3)	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 (4)
D 56VC46	Crop Production Services	Y	R	*	69	97	39	30,073	100.0	16.8	57.7	313.7
DG D57VP51	Crop Production Services	Y	R	*	69	97	40	31,497	100.0	16.3	60.6	311.7
G5621	Golden Acres Genetics	Y	R	VT3PRO	69	94	39	32,251	100.0	16.8	59.3	311.1
Armor 1555 SS	Armor Seed	Y	*	SS	69	94	39	31,497	100.0	17.9	58.4	305.0
DG D55VP77	Crop Production Services	Y	R	*	68	94	39	31,749	100.0	17.1	58.9	304.1
DKC 66-42 VT2 Pro	Monsanto Company	Y	R	VT2 Pro	69	104	47	30,827	98.8	15.7	58.1	303.9
Integra 9642	Wilbur-Ellis Company/Integra	Y	R	VT3PRO	70	93	38	31,497	100.0	15.9	59.4	303.0
DKC 64-69 VT3 Pro	Monsanto Company	Y	R	VT3 Pro	69	99	44	31,581	100.0	16.3	59.9	302.8
REV® 24BHR93™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	72	105	45	32,670	99.8	16.0	59.3	298.8
G5531	Golden Acres Genetics	Y	R	VT3PRO	68	101	41	30,827	100.0	16.1	60.2	297.8
DKC 62-08 GENSS	Monsanto Company	Y	R	SS	69	101	46	31,162	100.0	16.1	59.3	297.1
DKC 63-55 VT2Pro	Monsanto Company	Y	R	VT2 Pro	70	100	45	32,000	100.0	15.6	59.0	291.7
REV® 27HR83™	Terral Seed, Inc	Y	R	HX1/LL/RR	70	107	46	30,576	100.0	16.0	59.8	290.9
G4598	Golden Acres Genetics	Y	R	VT2PRO	68	103	42	32,168	100.0	14.3	59.7	290.1
Armor 1880 PRO2	Armor Seed	Y	*	VT2PRO	72	107	45	30,827	99.7	16.1	60.5	289.6
2Y767	Mycogen Seeds	Y	W	SSX RA	69	99	42	30,325	100.0	16.5	55.7	288.0
DG D57VP75	Crop Production Services	Y	R	*	71	103	46	30,911	100.0	16.1	57.7	285.9
G6641	Golden Acres Genetics	Y	R	VT3PRO	69	101	49	32,251	99.8	16.1	59.2	282.6
1725H	Triumph Seed Co. Inc	Y	R	HWI/RR	70	106	48	31,497	100.0	18.3	55.5	282.0
Armor 1550 PRO2	Armor Seed	Y	*	VT2PRO	69	101	40	30,325	99.7	16.3	60.5	280.7
2V709	Mycogen Seeds	Y	R	SSX RA	69	92	38	33,005	100.0	15.8	58.0	280.4
REV® 18BHR84™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	69	101	42	31,079	100.0	13.5	58.2	279.5
REV® 22BHR43™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	69	104	42	32,335	100.0	14.8	60.3	279.2
REV® 25BHR44™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	73	105	43	30,576	99.4	16.1	61.5	278.9
2Y816	Mycogen Seeds	Y	P	HXXT RR	71	111	51	30,576	100.0	18.5	54.7	278.2
7514S	Triumph Seed Co. Inc	Y	W	SSX	71	100	42	30,576	98.9	17.6	56.9	278.0
2K757	Mycogen Seeds	Y	W	HXXT RR	69	96	40	31,665	99.5	16.2	55.2	275.2
1217S	Triumph Seed Co. Inc	Y	R	SSX	69	97	43	31,414	99.7	15.8	57.9	274.9

Table 9A. Dumas/Sunray Corn Performance Test, Justin Crownover Farm, Sunray, Texas.

Hybrid	Company or Brand Name	Grain Color (1)	Cob Color (2)	Type GE (3)	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 (4)
REV® 26R60™	Terral Seed, Inc	Y	R	RR	71	103	43	30,325	99.7	14.8	58.9	273.6
REV® 22BHR54™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	69	97	43	32,335	100.0	15.9	57.8	272.8
1366S	Triumph Seed Co. Inc	Y	P	SSX	71	94	41	30,157	99.8	16.8	57.2	271.7
Armor 1262 PRO2	Armor Seed	Y	*	VT2PRO	68	101	40	31,749	99.7	14.0	59.3	271.4
Armor 1133 PRO2	Armor Seed	Y	*	VT2PRO	68	98	40	30,073	99.1	14.7	60.0	270.1
1157S	Triumph Seed Co. Inc	Y	P	SSX	69	98	45	31,916	100.0	15.0	57.1	270.1
REV® 17HR73™	Terral Seed, Inc	Y	R	HX1/LL/RR	67	99	41	33,005	99.8	13.6	57.2	267.6
G1631	Golden Acres Genetics	Y	R	VT3PRO	68	97	39	30,995	100.0	15.5	58.8	267.3
Integra 9631	Wilbur-Ellis Company/Integra	Y	R	VT3PRO	68	99	40	30,576	100.0	15.7	58.3	262.7
1329S	Triumph Seed Co. Inc	Y	W	SSX	69	99	45	29,571	98.5	16.7	55.4	262.2
Mean					69.2	99.8	42.4	31,275	99.79	16.0	58.5	285.4
C.V.					1.57	3.85	7.41	4.30	0.75	4.36	1.29	6.41
L.S.D. .05					1.56	5.50	4.50	1,928	NS	1.03	1.11	27.00

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. Marcel Fischbacher, Moore County CEA, for assisting in securing silk notes and monitoring the test.

(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, SS=SmartStax. Please check with respective seed companies for details on a GE hybrid.

(4) 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 (2011-2013), Corn Performance Test, Dumas, Texas.

Hybrid (1)	Company or Brand Name	2013 Rank	2013 Yield bu/A	2012 Rank	2012 Yield bu/A	2011 Rank	2011 Yield bu/A
D 56VC46	Crop Production Services	1	313.7	--	--	--	--
DG D 57VP51	Crop Production Services	2	311.7	--	--	--	--
G5621	Golden Acres Genetics	3	311.1	--	--	--	--
Armor 1555	Armor Seed	4	305.0	--	--	--	--
DG D55VP77	Crop Production Services	5	304.1	--	--	--	--
DKC 66-42	Monsanto Company	6	303.9	--	--	--	--
Integra 9642	Wilbur-Ellis Company	7	303.0	--	--	--	--
DKC 64-69	Monsanto Company	8	302.8	23	191.5	1	258.9
REV® 24BHR93™	Terral Seed, Inc.	9	298.8	--	--	--	--
G5531	Golden Acres Genetics	10	297.8	14	212.6	--	--
DKC 62-08	Monsanto Company	11	297.1	--	--	--	--
DKC 63-55	Monsanto Company	12	291.7	--	--	--	--
REV® 27HR83™	Terral Seed, Inc.	13	290.9	--	--	--	--
G4598	Golden Acres Genetics	14	290.1	--	--	--	--
Armor 1880	Armor Seed	15	289.6	25	186.8	--	--
2Y767	Mycogen Seeds	16	288.0	--	--	--	--
DG D57VP75	Crop Production Services	17	285.9	--	--	--	--
G6641	Golden Acres Genetics	18	282.6	--	--	--	--
1725H	Triumph Seed Co., Inc.	19	282.0	2	256.6	7	229.3
Armor 1550	Armor Seed	20	280.7	15	206.5	--	--
2V709	Mycogen Seeds	21	280.4	--	--	--	--
REV® 18BHR84™	Terral Seed, Inc.	22	279.5	--	--	--	--
REV® 22BHR43™	Terral Seed, Inc.	23	279.2	--	--	--	--
REV® 25BHR44™	Terral Seed, Inc.	24	278.9	--	--	--	--
2Y816	Mycogen Seeds	25	278.2	--	--	--	--
7514S	Triumph Seed Co., Inc.	26	278.0	6	227.1	15	209.7
2K757	Mycogen Seeds	27	275.2	--	--	--	--
1217 S	Triumph Seed Co., Inc.	28	274.9	5	232.7	4	235.9
REV® 26R60™	Terral Seed, Inc.	29	273.6	28	173.9	--	--
REV® 22BHR54™	Terral Seed, Inc.	30	272.8	--	--	--	--

Table 9B. Three Year Summary (2011-2013), Corn Performance Test, Dumas, Texas.

Hybrid (1)	Company or Brand Name	2013 Rank	2013 Yield bu/A	2012 Rank	2012 Yield bu/A	2011 Rank	2011 Yield bu/A
1366S	Triumph Seed Co., Inc.	31	271.7	--	--	--	--
Armor 1262 PRO2	Armor Seed	32	271.4	26	181.4	27	182.8
Armor 1133	Armor Seed	33	270.1	20	197.7	--	--
1157S	Triumph Seed Co., Inc.	34	270.1	7	224.5	3	238.6
REV® 17HR73™	Terral Seed, Inc.	35	267.6	--	--	--	--
G1631	Golden Acres Genetics	36	267.3	--	--	--	--
Integra 9631	Wilbur-Ellis Company	37	262.7	--	--	--	--
1329S	Triumph Seed Co., Inc.	38	262.2	12	213.4	--	--
Fill 1 (1725H)	Texas A&M AgriLife Research	--	--	1	256.9	--	--
2V707	Mycogen Seeds	--	--	3	240.5	--	--
TRX21554H	Triumph Seed Co., Inc.	--	--	4	237.9	--	--
2A787	Mycogen Seeds	--	--	8	221.8	--	--
REV® 28HR29™	Terral Seed, Inc.	--	--	9	220.3	29	156.3
2V715	Mycogen Seeds	--	--	10	217.4	--	--
Fill 2 (Armor 1550 PRO3)	Texas A&M AgriLife Research	--	--	11	216.4	--	--
2V738	Mycogen Seeds	--	--	13	212.7	--	--
DKC 62-97	Monsanto Company	--	--	16	204.9	9	222.9
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	--	--
GA G1518	Golden Acres Genetics	--	--	21	194.7	--	--
GA 28V81	Golden Acres Genetics	--	--	22	193.6	21	202.4
DKC 61-88	Monsanto Company	--	--	24	188.6	--	--
Armor 1415 PRO3	Armor Seed	--	--	27	177.0	28	176.4
Armor 1330 PRO3	Armor Seed	--	--	29	173.6	--	--
Armor 1770 PRO3	Armor Seed	--	--	30	166.1	--	--
Number of Entries		38		30		29	
Test Mean Yield bu/A			285.4		207.7		211.3

Table 10. AGRONOMIC AND TEST INFORMATION: DALHART

TEST:	2013 Irrigated Corn Performance Test
LOCATION:	Gerald Wilhelm Farm near Conlen, Texas
COOPERATOR:	Gerald Wilhelm
COLLABORATOR:	Mike Bragg, Dallam and Hartley Co.CEA
SOIL TYPE:	Dallam loam
ROW WIDTH:	30"
PREVIOUS CROP:	Wheat
LAND PREPARATION:	Great Plains stalk chopper was used in the wheat stubble just prior to planting. A no-till Kinze planter was used to mark off rows for the plot planter.
DATE PLANTED:	5-8-13: Planted with cones mounted on an ALMACO planter using JD Max-Emerge II units
PLOT LENGTH:	26'
FERTILIZER:	Applied 120 lb/A of dry phosphate, pre-plant Applied 65 lb/A of N as 32+0+0; pre-plant Applied 185 lb/A of N as 32+0+0 by fertigation during growing season
HERBICIDE:	Applied 13 oz/A of Verdict as a burn-down prior to planting Applied 32 oz/A of Roundup at V7 stage
INSECTICIDE:	Applied Mustang Max + Headline at label rate for Western Bean Cutworm
MITICIDE:	None
RAINFALL:	12.5” from January 1 to harvest with approximately 10” received during the growing season
IRRIGATIONS:	Test block was irrigated on a timely schedule, however water production from the well declined throughout the season. Water distribution was not ideal, thus impacting the test block.
DATE HARVESTED:	10-12-13, 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:	38
NUMBER REPLICATIONS:	4

NUMBER ROWS/PLOT:	2
MEAN PLANT POP:	31,244 plants/A
TEST MEAN:	207.4 bu/A; yields corrected to 15.5% moisture
TEST C.V.:	9.58%

COMMENTS: This was the first year the Corn Performance Test was conducted on the east side of Dallam County near Conlen. In previous years, the test was conducted on the west side of Dallam County.

Below normal yields were attained at this site due to a combination of factors. First, the test block did not receive as much rainfall as other surrounding areas in the county, particularly the western portion, requiring additional irrigation water to be applied to maintain plant growth and development. Secondly, water production from the well declined as the season progressed, thus the correct volume of water was not applied. In addition to a declining well, it appeared not all of the nozzles were working properly, thus plant stress occurred. These two major factors resulted in the test having a “wavy” appearance in the field. Potential yields were reduced due to the abovementioned factors.

The test mean yield was 207.4 bu/A with only three hybrids producing over 230 bu/A. Outside of the test block, the remaining field averaged 182 bu/A.

Appreciation is expressed to Mr. Mike Bragg, Texas A&M AgriLife Extension Agent, Dallam & Hartley County, for assisting in collecting notes and maintaining the test site.

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

Table 10A. Dalhart Corn Performance Test, Gerald Wilhelm Farm, Conlen, Texas.

Hybrid	Company or Brand Name	Grain Color (1)	Cob Color (2)	Type GE (3)	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 (4)
DG D55VP77	Crop Production Services	Y	R	*	76	85	32	31,581	100.0	12.8	58.0	235.5
1366S	Triumph Seed Co. Inc	Y	P	SSX	76	85	36	33,005	98.3	12.9	55.5	235.0
REV® 24BHR93™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	78	100	41	33,257	91.8	11.8	57.9	230.0
G5621	Golden Acres Genetics	Y	R	VT3PRO	75	82	31	31,386	99.5	14.1	58.5	229.8
DKC 63-07 VT3Pro	Monsanto Company	Y	R	VT3 Pro	74	87	36	31,822	98.2	15.4	58.7	229.7
REV® 22BHR54™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	73	93	36	30,827	100.0	13.1	56.6	229.0
1157S	Triumph Seed Co. Inc	Y	P	SSX	75	96	40	31,413	96.0	10.9	55.6	226.7
1217S	Triumph Seed Co. Inc	Y	R	SSX	76	91	36	32,167	99.0	11.1	56.6	226.6
DKC 62-08 GENSS	Monsanto Company	Y	R	SS	76	87	38	31,665	100.0	13.8	57.6	221.3
DKC 66-42 VT2 Pro	Monsanto Company	Y	R	VT2 Pro	75	97	40	32,048	96.3	13.8	57.4	220.4
G6641	Golden Acres Genetics	Y	R	VT3PRO	75	92	37	31,581	99.5	14.8	57.1	214.8
Armor 1133 PRO2	Armor Seed	Y	*	VT2PRO	73	92	32	30,605	99.5	13.0	59.7	214.5
REV® 22BHR43™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	75	91	32	31,916	99.8	13.8	59.4	213.6
REV® 18BHR84™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	74	86	32	31,749	99.5	12.7	57.5	213.4
Armor 1880 PRO2	Armor Seed	Y	*	VT2PRO	78	93	37	31,154	99.0	14.8	59.9	212.4
REV® 27HR83™	Terral Seed, Inc	Y	R	HX1/LL/RR	77	98	38	29,738	99.3	13.8	58.1	209.8
DG D57VP75	Crop Production Services	Y	R	*	76	96	38	31,154	95.7	14.3	56.1	209.7
REV® 17HR73™	Terral Seed, Inc	Y	R	HX1/LL/RR	74	88	35	31,665	99.3	12.8	55.1	209.1
2V709	Mycogen Seeds	Y	R	SSX RA	76	85	32	33,257	97.0	11.9	56.6	209.0
Armor 1555 SS	Armor Seed	Y	*	SS	76	83	30	30,492	100.0	13.7	57.5	208.0
Armor 1550 PRO2	Armor Seed	Y	*	VT2PRO	75	96	36	30,492	99.8	14.9	59.1	207.6
Integra 9631	Wilbur-Ellis Company/Integra	Y	R	VT3PRO	72	90	33	30,408	99.8	14.0	57.9	206.6
DKC 64-69 VT3 Pro	Monsanto Company	Y	R	VT3 Pro	73	87	35	30,270	99.5	13.2	58.5	206.1
2Y816	Mycogen Seeds	Y	P	HXXT RR	79	96	37	31,162	100.0	14.1	55.6	205.9
G4598	Golden Acres Genetics	Y	R	VT2PRO	75	91	33	31,916	99.3	13.7	58.3	205.8
G1631	Golden Acres Genetics	Y	R	VT3PRO	74	87	33	31,489	100.0	12.8	58.3	205.6
Integra 9642	Wilbur-Ellis Company/Integra	Y	R	VT3PRO	74	83	31	30,911	98.8	14.2	57.9	205.3
G5531	Golden Acres Genetics	Y	R	VT3PRO	75	93	33	30,576	97.0	15.6	59.9	204.6

Table 10A. Dalhart Corn Performance Test, Gerald Wilhelm Farm, Conlen, Texas.

Hybrid	Company or Brand Name	Grain Color (1)	Cob Color (2)	Type GE (3)	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 (4)
REV® 25BHR44™	Terral Seed, Inc	Y	R	YGCB/HX1/LL/RR	78	93	35	31,748	99.5	13.1	59.2	198.8
DG D57VP51	Crop Production Services	Y	R	*	75	84	30	30,660	100.0	14.4	57.4	197.0
D 56VC46	Crop Production Services	Y	R	*	75	83	30	31,413	100.0	13.9	57.7	196.7
1725H	Triumph Seed Co. Inc	Y	R	HWI/RR	77	102	43	29,990	98.5	14.9	54.2	196.4
2K757	Mycogen Seeds	Y	W	HXXT RR	76	84	31	32,606	94.0	9.3	54.5	188.0
7514S	Triumph Seed Co. Inc	Y	W	SSX	76	88	33	31,377	90.7	13.9	57.1	186.9
Armor 1262 PRO2	Armor Seed	Y	*	VT2PRO	75	91	34	30,660	99.0	14.2	58.3	182.9
2Y767	Mycogen Seeds	Y	W	SSX RA	76	93	39	30,493	83.5	13.7	55.9	170.2
1329S	Triumph Seed Co. Inc	Y	W	SSX	75	91	35	29,265	74.1	13.5	55.1	163.1
REV® 26R60™	Terral Seed, Inc	Y	R	RR	76	98	37	29,367	71.7	14.4	57.6	154.2
Mean					75.3	90.4	34.8	31,244	96.64	13.5	57.4	207.4
C.V.					1.88	5.48	8.67	3.05	3.08	12.95	1.85	9.58
L.S.D. .05					2.16	8.06	4.91	1,455	4.55	2.67	1.62	30.31

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. Mike Bragg, Dallam County CEA, for assisting in securing silk notes and monitoring the test.

(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, SS=SmartStax. Please check with respective seed companies for details on a GE hybrid.

(4) 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 10B. Three Year Summary (2011-2013), Corn Performance Test, Dalhart, Texas.

Hybrid (1)	Company or Brand Name	2013 Rank	2013 Yield bu/A	2012 Rank	2012 Yield bu/A	2011 Rank	2011 Yield bu/A
DG D55VP77	Crop Production Services	1	235.5	--	--	--	--
1366S	Triumph Seed Co., Inc.	2	235.0	--	--	--	--
REV® 24BHR93™	Terral Seed, Inc.	3	230.0	--	--	--	--
G5621	Golden Acres Genetics	4	229.8	--	--	--	--
DKC 63-07	Monsanto Company	5	229.7	--	--	--	--
REV® 22BHR54™	Terral Seed, Inc.	6	229.0	--	--	--	--
1157S	Triumph Seed Co., Inc.	7	226.7	--	--	6	170.3
1217S	Triumph Seed Co., Inc.	8	226.6	--	--	20	138.8
DKC 62-08	Monsanto Company	9	221.3	--	--	--	--
DKC 66-42	Monsanto Company	10	220.4	--	--	--	--
G6641	Golden Acres Genetics	11	214.8	--	--	--	--
Armor 1133 PRO2	Armor Seed	12	214.5	--	--	--	--
REV® 22BHR43™	Terral Seed, Inc.	13	213.6	--	--	--	--
REV® 18BHR84™	Terral Seed, Inc.	14	213.4	--	--	--	--
Armor 1880 PRO2	Armor Seed	15	212.4	--	--	--	--
REV® 27HR83™	Terral Seed, Inc.	16	209.8	--	--	--	--
DG D57VP75	Crop Production Services	17	209.7	--	--	--	--
REV® 17HR73™	Terral Seed, Inc.	18	209.1	--	--	--	--
2V709	Mycogen Seeds	19	209.0	--	--	--	--
Armor 1555 SS	Armor Seed	20	208.0	--	--	--	--
Armor 1550 PRO2	Armor Seed	21	207.6	--	--	--	--
Integra 9631	Wilbur-Ellis Company	22	206.6	--	--	--	--
DKC 64-69	Monsanto Company	23	206.1	--	--	3	174.5
2Y816	Mycogen Seeds	24	205.9	--	--	--	--
G4598	Golden Acres Genetics	25	205.8	--	--	--	--
G1631	Golden Acres Genetics	26	205.6	--	--	--	--
Integra 9642	Wilbur-Ellis Company	27	205.3	--	--	--	--
G5531	Golden Acres Genetics	28	204.6	--	--	--	--
REV® 25BHR44™	Terral Seed, Inc.	29	198.8	--	--	--	--
DG D57VP51	Crop Production Services	30	197.0	--	--	--	--

Table 10B. Three Year Summary (2011-2013), Corn Performance Test, Dalhart, Texas.

Hybrid (1)	Company or Brand Name	2013 Rank	2013 Yield bu/A	2012 Rank	2012 Yield bu/A	2011 Rank	2011 Yield bu/A
D 56VC46	Crop Production Services	31	196.7	--	--	--	--
1725H	Triumph Seed Co., Inc.	32	196.4	--	--	13	154.8
2K757	Mycogen Seeds	33	188.0	--	--	--	--
7514S	Triumph Seed Co., Inc.	34	186.9	--	--	17	147.0
Armor 1262 PRO2	Armor Seed	35	182.9	--	--	29	121.0
2Y767	Mycogen Seeds	36	170.2	--	--	--	--
1329S	Triumph Seed Co., Inc.	37	163.1	--	--	--	--
REV® 26R60™	Terral Seed, Inc.	38	154.2	--	--	26	130.8
Integra 9676	Wilbur-Ellis Company	--	--	--	--	1	186.5
Armor 1161 PRO	Armor Seed	--	--	--	--	2	177.0
REV® 26HR82™	Terral Seed, Inc.	--	--	--	--	4	173.0
Armor 1655 PRO	Armor Seed	--	--	--	--	5	171.5
Armor 1539 PRO	Armor Seed	--	--	--	--	7	169.8
Armor 1545 PRO	Armor Seed	--	--	--	--	8	164.3
1334X	Triumph Seed Co., Inc.	--	--	--	--	9	163.5
DKC 62-97	Monsanto Company	--	--	--	--	10	161.3
GA 28V81	Golden Acres Genetics	--	--	--	--	11	157.5
REV® 26HR50™	Terral Seed, Inc.	--	--	--	--	12	155.3
GA 26V31	Golden Acres Genetics	--	--	--	--	14	154.5
REV® 27HR32™	Terral Seed, Inc.	--	--	--	--	15	150.5
GA 24V61	Golden Acres Genetics	--	--	--	--	16	150.3
Fill (REV® 26HR50™)	Texas A&M AgriLife Research	--	--	--	--	18	145.2
Integra 9613	Wilbur-Ellis Company	--	--	--	--	19	140.3
REV® 27HR52™	Terral Seed, Inc.	--	--	--	--	21	138.0
REV® 28HR29™	Terral Seed, Inc.	--	--	--	--	22	136.3
REV® 26HR22™	Terral Seed, Inc.	--	--	--	--	23	136.0
REV® 21HR21™	Terral Seed, Inc.	--	--	--	--	24	131.8
GA 2506	Golden Acres Genetics	--	--	--	--	25	130.8
DKC 63-84	Monsanto Company	--	--	--	--	27	127.3
Armor 1415 PRO	Armor Seed	--	--	--	--	28	126.5

Table 10B. Three Year Summary (2011-2013), Corn Performance Test, Dalhart, Texas.

Hybrid (1)	Company or Brand Name	2013 Rank	2013 Yield bu/A	2012 Rank	2012 Yield bu/A	2011 Rank	2011 Yield bu/A
Number of Entries		38		--		29	
Test Mean Yield bu/A			207.4		--		151.0

**2012 Results not published due to high test C.V.

ACKNOWLEDGMENTS

Appreciation for assistance and cooperation in conducting these tests is expressed to the following:

Farmers: Paul Aelvoet (Hondo test), Bob and Steve Beakley (Bardwell test), Justin Crownover (Dumas test), Larry and Clint Kalina (Wharton test), Charles Ring (San Patricio Co. test), Erich Schneider (Tynan test), Gerald Wilhelm (Dalhart test), and Kenneth Wright (Farmersville test).

Texas A&M AgriLife Research Personnel: Robert Myatt, Alfred Nelson, Jacob Pekar, and Russell Sutton.

Texas A&M AgriLife Extension Personnel: Archie Abrameit, Mark Arnold, Mike Bragg, Marcel Fischbacher, Jason Ott, and Jimmy Vega.

Other contributers: Personnel at Rio Farms near Monte Alto, TX: Andy Scott, Eddie Hernandez, and Juan Garza

Appreciation is also expressed to Monsanto Company for providing the herbicide Roundup that was used to maintain alleyways at the test sites.

Appreciation is also expressed to student workers Cameron Dorsett, Ryan Perez, and Mike Valenti for their assistance in conducting the test sites.

LITERATURE CITED

1. National Weather Service, Advanced Hydrological Prediction Service: http://water.weather.gov/precip/index.php

Texas A&M AgriLife Extension Service

Produced by the Department of Soil and Crop Sciences.
Additional publications may be viewed at http://soilcrop.tamu.edu.