

2024 Texas A&M AgriLife Extension Corn Hybrid Trials

Coastal Bend and Upper Gulf Coast Regions



Department of Soil and Crop Sciences
Texas A&M AgriLife Extension Service

2024 Texas A&M AgriLife Extension Corn Hybrid Trials – Coastal Bend and Upper Gulf Coast Regions

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Acknowledgements

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Introduction

Hybrid selection is one of the most important decisions a grower must make each year, and will dictate much of the management required for the duration of the season. Texas AM AgriLife Extension conducts corn hybrid trials in select counties each year to provide growers in the region with accurate and unbiased information on hybrid performance. These trials are a cooperative effort among local growers, seed company representatives, and Texas A&M AgriLife Extension personnel.

Trials are conducted on-farm or at Texas A&M AgriLife Research Centers and are typically planted, managed, and harvested with commercial equipment. All test sites are managed according to practices common to each production region. In each trial, hybrids are replicated 3-4 times across the field to allow statistical tests to be performed on the yield data. Due to limited seed availability and difficulties at harvest due to tropical weather, several trials on the Upper Gulf Coast were not fully replicated or were lost to inclement weather. For the trials where full replication was possible, the LSD (Least Significant Difference) value indicates the minimum difference between two hybrids for yield, moisture, or test weight to be considered statistically significant. In the summary tables for each trial, connecting letters reports are included for each type of data collected. When data are followed by different letters, a significant difference exists. Data followed by the same letter are considered to be statistically similar. The Coefficient of Variation (CV%) indicates the level of unexplained variability in the data. High CV values (greater than 15%) indicate a high level of variability in the data, possibly due to poor stands, pest issues, or harvest problems.

Trial: Nueces County

Seeding Rate: 22,000/acre

Cooperator: Texas A&M AgriLife Research

Fertility: 98-38-0

County Extension Agent: Jaime Lopez

Row Spacing: 38"

Planting Date: Feb 13, 2024

Plot Size: 0.01 acre

Harvest Date: Jun 17, 2024

Brand	Hybrid	Moisture		Test Weight		Yield ¹	
		%		lb/bu		bu/A	
BH Genetics	BH 8233	13.2	cd	55.1		36	
Dyna-Gro	D54VC14	13.0	d	55.6		34	
BH Genetics	BH 8412	13.1	d	55.7		34	
Dyna-Gro	D56TC44	13.7	bc	56.5		34	
Dekalb	DKC68-35	14.3	a	55.6		33	
Dekalb	DKC66-06	14.0	ab	53.8		31	
Mean		13.5		55.4		33	
P>F		0.0008		0.0553		0.8648	
LSD (0.05)		0.6		NS		NS	
CV (%)		2.7		2.0		16.4	

¹Yields standardized to 15.5% moisture content.

²Within a column, means followed by the same letter are statistically similar.

Trial: Nueces County

Cooperator: Faske Farms

County Extension Agent: Jaime Lopez

Planting Date: Feb 14, 2024

Row Spacing: 36"

Plot Size: 1.03 acre

Harvest Date: Jul 6, 2024

Notes: Non-replicated demonstration plot

Brand	Hybrid	Moisture		Test Weight		Yield ¹	
		%		lb/bu		bu/A	
Rob-See-Co	RC6411 VT2P	13.7		59		105	
BH Genetics	BH 8233TRE	14.9		60		103	
BH Genetics	BH 8412VT2P	14.8		60		97	
Dekalb	DKC66-06 TRE RIB	14.8		59		96	
LG Seeds	LG65C14 TRC	14.4		58		96	
Dyna-Gro	D54VC14	14.8		59		95	
Dyna-Gro	D57TC29	15.5		61		95	
DeKalb	DKC68-35 VT2	14.8		59		94	
Dyna-Gro	D54SS74	14.6		61		94	
Dyna-Gro	D56TC44	15.2		59		91	
LG Seeds	LG66C07 VT2P	14.6		62		87	
LG Seeds	LG66C06 VT2P	14.8		58		87	
Rob-See-Co	RC6808 TRE	14.4		59		86	
Rob-See-Co	RC6539 VT2P	14.0		59		83	
Rob-See-Co	RC6460 V2	13.4		60		82	
LG Seeds	LG66C28	14.3		58		80	
LG Seeds	LG67C91 STX	14.8		61		73	
Mean		14.6		59.5		91	

¹Yields standardized to 15.5% moisture content.

Trial: San Patricio County

Cooperator: Ring Brothers Farm

County Extension Agent: Bob McCool

Planting Date: Mar 1, 2024

Row Spacing: 40"

Plot Size: 0.37 acre

Harvest Date: Jul 9, 2024

Brand	Hybrid	Moisture		Test Weight		Yield ¹	
		%		lb/bu		bu/A	
Dyna-Gro	D56TC44	13.6	b	57.0	bc	85	
Dekalb	DKC68-35	13.5	b	57.0	bc	83	
BH Genetics	BH 8233	12.8	d	55.7	d	82	
BH Genetics	BH 8412	13.1	bcd	57.3	b	80	
Dekalb	DKC66-06	13.3	bc	56.0	cd	80	
Dyna-Gro	D54VC14	12.9	cd	57.0	bc	78	
LG Seeds	LG66C06	13.4	bc	56.0	cd	75	
LG Seeds	LG67C91	14.1	a	59.0	a	73	
Mean		13.3		56.9		79	
P>F		0.0011		0.0001		0.1492	
LSD (0.05)		0.5		1.0		NS	
CV (%)		1.9		0.9		2.8	

¹Yields standardized to 15.5% moisture content.

²Within a column, means followed by the same letter are statistically similar.

Trial: DeWitt County

Cooperator: Fred and Chad Hahn

County Extension Agent: Anthony Netardus

Planting Date: Mar 4, 2024

Fertility: 125-37-11

Row Spacing: 30"

Plot Size: 0.41 acre

Harvest Date: Aug 6, 2024

Notes: Test weight only recorded on one replication

Brand	Hybrid	Moisture		Test Weight		Yield ¹	
		%		lb/bu		bu/A	
BH Genetics	BH 8412	12.8		58.0		116	a
Dyna-Gro	D54VC14	13.1		59.0		116	ab
Dekalb	DKC68-35	13.2		58.5		115	ab
Dyna-Gro	D56TC44	13.4		58.0		111	abc
BH Genetics	BH 8223	12.8		56.0		110	bc
Dekalb	DKC66-06	12.9		57.5		108	c
Mean		13.0		57.8		113	
P>F		0.1130		N/A		0.0499	
LSD (0.05)		0.5		N/A		6	
CV (%)		2.1		N/A		2.9	

¹Yields standardized to 15.5% moisture content.

²Within a column, means followed by the same letter are statistically similar.

Trial: Jackson County

Cooperator: Sappington Farms

County Extension Agent: Mike Hiller

Planting Date: Mar 5, 2024

Row Spacing: 40"

Plot Size: 0.40 acre

Harvest Date: Aug 10, 2024

Notes: Limited seed, non-replicated demonstration plot

Brand	Hybrid	Moisture		Test Weight		Yield ¹	
		%		lb/bu		bu/A	
LG Seeds	LG67C07	13.8		60.0		162	
BH Genetics	BH 8939	13.7		58.0		157	
Dekalb	DKC66-06	13.8		59.0		152	
Dyna-Gro	D54VC14	13.5		59.0		147	
Innvictis	A1689T	13.3		61.0		146	
BH Genetics	BH 8412	14.7		60.0		146	
Dekalb	DKC68-35	16.2		56.0		145	
Dekalb	DKC119-30	13.8		60.0		131	
Innvictis	A1542T	13.8		60.0		121	
LG Seeds	LG67C91	13.6		61.0		119	
Dyna-Gro	D56TC44	13.3		59.0		118	
Mean		14.0		59.4		141	

¹Yields standardized to 15.5% moisture content.

Trial: Colorado County

Cooperator: Gold Farms

County Extension Agent: Laramie Kettler

Planting Date: Mar 3, 2024

Row Spacing: 40"

Plot Size: 0.40 acre

Harvest Date: Aug 8, 2024

Notes: Average of two replications reported

Brand	Hybrid	Moisture		Test Weight		Yield ¹	
		%		lb/bu		bu/A	
Dekalb	DKC68-35	11.7		60.4		162	
BH Genetics	BH 8412	11.7		59.5		149	
Dekalb	DKC66-06	12.0		59.3		148	
BH Genetics	BH 8939	11.9		58.4		142	
Dyna-Gro	D54VC14	11.7		59.0		140	
Dyna-Gro	D56TC44	11.8		59.1		132	
Mean		11.8		59.3		145	

¹Yields standardized to 15.5% moisture content.

Trial: Matagorda County

Cooperator: Ledwig Farms

County Extension Agent: Greg Baker

Planting Date: Feb 29, 2024

Row Spacing: 38"

Plot Size: 0.37 acre

Notes: Limited seed, non-replicated demonstration plot

Brand	Hybrid	Moisture		Test Weight		Yield ¹	
		%		lb/bu		bu/A	
LG Seeds	LG67C91	12.2		62.2		102	
Dekalb	DKC68-35	12.5		61.2		101	
LG Seeds	LG67C07	12.1		61.4		100	
Innvictis	A1689T	12.4		61.6		95	
Dekalb	DKC66-06	12.8		60.9		94	
Dyna-Gro	D54VC14	12.6		61.3		94	
BH Genetics	BH 8412	12.5		61.3		92	
BH Genetics	BH 8939	12.9		60.3		89	
Dyna-Gro	D56TC44	12.5		60.6		87	
Pioneer	P1511YHR	13.0		59.9		86	
Innvictis	A1542T	12.7		60.5		84	
Mean		12.5		61.0		93	

¹Yields standardized to 15.5% moisture content.

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