

# 2023 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

**2023 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. 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:** 24,000/acre

**Cooperator:** Texas A&M AgriLife Research

**Fertility:** 65-0-0

**County Extension Agent:** Jaime Lopez

**Row Spacing:** 38"

**Planting Date:** Feb 21, 2023

**Plot Size:** 0.01 acre

**Harvest Date:** July 10, 2023

Brand	Hybrid	Moisture		Test Weight		Yield <sup>1</sup>	
		%		lb/bu		bu/A	
Dynagro	D56TC44	14.7		59.9	a <sup>2</sup>	162	a
Dekalb	DKC 68-35	15.2		59.9	a	160	a
Dekalb	DKC 66-06	14.4		58.7	bc	156	a
Dynagro	D54VC14	14.0		57.5	d	155	a
Stine	ST 9808E-20	14.5		59.1	ab	132	b
Stine	ST 9814-20	15.0		57.9	cd	122	b
<b>Mean</b>		14.6		58.8		148	
<b>P&gt;F</b>		0.2550		<0.0001		<0.0001	
<b>LSD (0.05)</b>		NS		0.9		14	
<b>CV (%)</b>		5.5		1.9		12.0	

<sup>1</sup>Yields standardized to 15.5% moisture content.

<sup>2</sup>Within a column, means followed by the same letter are statistically similar.

**Trial:** San Patricio County

**Seeding Rate:**

**Cooperator:** Ring Brothers Farm

**Fertility:**

**County Extension Agent:** Bob McCool

**Row Spacing:** 40"

**Planting Date:** Feb 28, 2023

**Plot Size:** 0.36 acre

**Yield Limiting Factor(s):** Feral hog damage

**Harvest Date:** Aug 3, 2023

Brand	Hybrid	Moisture		Test Weight		Yield <sup>1</sup>	
		%		lb/bu		bu/A	
Dekalb	DKC 66-06	12.4	ab <sup>2</sup>	58.3	bc	128	a
Dekalb	DKC 68-35	12.7	a	58.3	bc	123	ab
LG Seed	LG65C14	11.9	c	57.0	e	119	ab
Stine	ST 9814-20	12.8	a	57.3	de	102	abc
LG Seed	LG66C06	12.0	bc	56.0	f	100	bc
DynaGro	D56TC44	12.7	a	59.0	b	98	bc
DynaGro	D54VC14	12.1	bc	58.0	cd	84	c
Stine	ST 9808E-20	12.6	a	60.0	a	81	c
<b>Mean</b>		12.4		58.0		105	
<b>P&gt;F</b>		0.0025		<0.0001		0.013	
<b>LSD (0.05)</b>		0.4		0.8		26	
<b>CV (%)</b>		3.2		2.2		22.0	

<sup>1</sup>Yields standardized to 15.5% moisture content.

<sup>2</sup>Within 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:** Feb 25, 2023

**Seeding Rate:**

**Fertility:** 113-32-6

**Row Spacing:** 30"

**Plot Size:** 0.41 acre

**Harvest Date:** July 20, 2023

Brand	Hybrid	Moisture		Test Weight		Yield <sup>1</sup>	
		%		lb/bu		bu/A	
Dekalb	DKC 66-06	10.5	ab <sup>2</sup>	59.5	b	175	a
Dekalb	DKC 68-35	10.9	a	60.3	a	173	a
Dynagro	D56TC44	10.4	b	58.8	c	167	ab
Dynagro	D54VC14	10.3	b	60.0	ab	162	b
Stine	ST 9814-20	9.7	c	58.8	c	145	c
Stine	ST 9808E-20	10.3	b	59.8	ab	139	c
<b>Mean</b>		10.3		59.6		160	
<b>P&gt;F</b>		0.0009		0.0011		<0.0001	
<b>LSD (0.05)</b>		0.4		0.6		9	
<b>CV (%)</b>		4.1		1.1		9.1	

<sup>1</sup>Yields standardized to 15.5% moisture content.

<sup>2</sup>Within a column, means followed by the same letter are statistically similar.

**Trial:** Jackson County

**Seeding Rate:** 24,000/acre

**Cooperator:** Jarred Stuhrenberg

**Fertility:** 35-6-6

**County Extension Agent:** Mike Hiller

**Row Spacing:** 40"

**Planting Date:** Feb 23, 2023

**Plot Size:** 0.68 acre

**Harvest Date:** July 17, 2023

Brand	Hybrid	Moisture		Test Weight		Yield <sup>1</sup>	
		%		lb/bu		bu/A	
Dekalb	DKC 68-35	13.4	ab <sup>2</sup>	63.0	a	228	a
Dekalb	DKC 66-06	13.5	ab	61.0	b	227	a
Dynagro	D56T44	13.2	bc	62.3	a	213	b
Dynagro	D54VC14	12.8	c	63.0	a	211	bc
LG Seed	LG66C06	13.5	ab	60.7	b	207	cd
Axis Seed	64B28	12.9	c	62.7	a	207	cd
LG Seed	LG65C14	13.8	a	60.7	b	202	d
Axis Seed	69H29	13.5	ab	62.7	a	195	e
<b>Mean</b>		13.3		62.0		211	
<b>P&gt;F</b>		0.0023		0.0003		<0.0001	
<b>LSD (0.05)</b>		0.4		1.1		5	
<b>CV (%)</b>		3.0		1.8		5.3	

<sup>1</sup>Yields standardized to 15.5% moisture content.

<sup>2</sup>Within a column, means followed by the same letter are statistically similar.

**Trial:** Wharton County

**Seeding Rate:** 25,000/acre

**Cooperator:** Terry Marek

**Fertility:** 108-12-4 preplant, 40N sidedress

**County Extension Agent:** Corrie Bowen

**Row Spacing:** 38"

**Planting Date:** Feb 24, 2023

**Plot Size:** 0.48 acre

**Harvest Date:** July 14, 2023

Brand	Hybrid	Moisture <sup>1</sup>		Test Weight		Yield	
		%		lb/bu		bu/A	
Dynagro	D54VC14	13.3		59.3	bc <sup>2</sup>	163	a
Dekalb	DKC 68-35	14.2		60.7	a	159	ab
Axis Seed	64B28	13.3		60.0	ab	158	ab
Dekalb	DKC 66-06	14.1		58.0	de	157	ab
LG Seed	LG66C06	14.1		58.0	de	153	bc
Axis Seed	Axis 69H29	14.3		60.0	ab	149	c
Dynagro	D56TC44	14.2		58.7	cd	149	c
LG Seed	LG65C14	14.0		57.3	e	148	c
<b>Mean</b>		13.9		59.0		154	
<b>P&gt;F</b>		0.5319		<0.0001		0.01	
<b>LSD (0.05)</b>		NS		1.0		8	
<b>CV (%)</b>		5.4		2.1		4.7	

<sup>1</sup>Yields standardized to 15.5% moisture content.

<sup>2</sup>Within a column, means followed by the same letter are statistically similar.



**Trial:** Colorado County

**Cooperator:** Leopold Grain

**County Extension Agent:** Laramie Kettler

**Planting Date:** Mar 1, 2023

**Seeding Rate:**

**Fertility:** 5-17-0 at planting, 164-38-0 sidedress

**Row Spacing:** 40"

**Plot Size:** 0.61 acre

**Harvest Date:** July 20, 2023

Brand	Hybrid	Moisture		Test Weight		Yield <sup>1</sup>	
		%		lb/bu		bu/A	
Axis Seed	64B28	12.3 <sup>2</sup>		59.0		188	
Axis Seed	69H29	12.9		59.8		182	
Dekalb	DKC 66-06	12.4		59.0		189	
Dekalb	DKC 68-35	12.3		59.9		197	
Dynagro	D54VC14	11.7		58.8		190	
Dynagro	D56TC44	12.0		59.3		187	
LG Seed	65C14	13.2		57.2		176	
LG Seed	66C06	11.7		57.4		182	
<b>Mean</b>		12.3		58.8		186	
<b>P&gt;F</b>		N/A		N/A		N/A	
<b>LSD (0.05)</b>		N/A		N/A		N/A	
<b>CV (%)</b>		N/A		N/A		N/A	

<sup>1</sup>Yields standardized to 15.5% moisture content.

<sup>2</sup>Values are the mean of 2 replications, with the exception of Axis 64B28 (1 replicate), data listed alphabetically by brand.

**Trial:** Matagorda County

**Seeding Rate:** 25,500/acre

**Cooperator:** Ledwig Farms

**Fertility:**

**County Extension Agent:** Greg Baker

**Row Spacing:** 38"

**Planting Date:** Feb 1, 2023

**Plot Size:** 0.37 acre

**Harvest Date:** 7/13/23

Brand	Hybrid	Moisture		Test Weight		Yield <sup>1</sup>	
		%		lb/bu		bu/A	
DynaGro	D56TC44	14.2	bcd <sup>2</sup>	62.0	c	191	a
Dekalb	DKC 68-35	14.5	ab	63.0	b	190	a
DynaGro	D54VC14	13.9	cd	64.0	a	187	a
Dekalb	DKC 66-06	14.6	ab	62.0	c	187	a
Axis Seed	64B28	13.7	d	63.3	ab	186	a
LG Seed	LG66C06	14.1	bcd	61.0	d	178	b
LG Seed	LG65C14	14.4	abc	60.0	e	176	b
Axis Seed	69H29	14.9	a	62.0	c	173	b
<b>Mean</b>		14.3		62.2		183	
<b>P&gt;F</b>		0.0148		<0.0001		0.0005	
<b>LSD (0.05)</b>		0.6		1.0		7	
<b>CV (%)</b>		3.2		2.1		4.0	

<sup>1</sup>Yields standardized to 15.5% moisture content.

<sup>2</sup>Within a column, means followed by the same letter are statistically similar.

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