

**New Mexico 2018 Grain Corn Performance Test - Agricultural Science Center at Clovis**

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**Test Description**

<b>Location:</b>	<b>Management Practices:</b>	<b>Growing Conditions:</b>
County/Area: Curry	Previous Crop: fallow	
Longitude: -103.22	Planting Date: 17-May	
Latitude: 34.60	Harvest Date: 5-Nov	
Elevation: 4435 ft.		
Soil Name: Olton		
Soil Texture: clay loam		
Soil Depth: >60 in.		
	<b>Production Inputs</b>	
	<u>Rate</u>	<u>Date</u>
	<b>Fertilizer:</b>	
	Nitrogen 12 lb/a	carryover
	Nitrogen 18 lb/a	16-Feb
	P <sub>2</sub> O <sub>5</sub> 60 lb/a	16-Feb
	Zn 3 qt/ac	16-Feb
	Nitrogen 122 lb/ac	pre plant
	S 22 lb/ac	pre plant
	Nitrogen 30 lb/ac	at plant
	S 5.5 lb/ac	at plant
	<b>Herbicides:</b>	
	Atrazine 1 pt/a	pre plant
	Balance Flexx 3 oz/ac	pre plant
	Diflexx 5 oz/ac	pre plant
	Glyphosate 40 oz/ac	pre plant
	Brawl 1.3 pt/ac	at plant
	Diflexx 8 oz/ac	20-Jun
	Brawl 16 oz/ac	20-Jun
	<b>Insecticides:</b>	
	Onager 16 oz/ac	20-Jun
	Prevathon 20 oz/ac	1-Aug
	Oberon 8 oz/ac	1-Aug
<b>Test Design:</b>		
Replications: 3		
Plot Length: 20 ft.		
Rows per Plot: 2		
Row Spacing: 30 in.		
Seeding Rate: 27,000 seed/a		
		Average
		Temp.      Precip.      Irrigation
		°F              in.              in.
		January 35.2
		February 40.3
		March 49.3
		April 52.8
		May 17-31 68.2      1.60      1.40
		June 76.1      1.71      3.20
		July 76.5      3.05      5.30
		August 74.5      3.94      4.40
		September 68.5      1.64      1.70
		October 56.0      3.99      0.00
		November 1 45.0      0.09      0.00
		December
		Seasonal Precipitation: 15.9 in.
		Total Irrigation: 16.0 in.
		Date of Last Spring Frost: 16-Apr
		Date of First Fall Frost: 15-Oct
		Frost Free Period: 182 days

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Brand/Company Name	Hybrid/Variety Name	Moisture					Silk Date
		Grain Yield	at Harvest	Test Weight	Plant Height	Ear Height	
		bu/a	%	lb/bu	in	in	
LG Seeds	LG 66C32 STX	289.6	18.33	60.60	101.0	42.1	23-Jul
Golden Harvest Seeds	G18D87-3111	283.9	18.56	59.70	109.7	48.4	20-Jul
Dyna-Gro Seeds	D57VC51	281.8	18.06	56.43	108.3	46.6	21-Jul
LG Seeds	ES 7667 VT2 PRO	277.8	18.66	59.30	102.7	44.6	21-Jul
Golden Harvest Seeds	G11B63-3010A	271.5	16.83	58.40	103.0	43.0	23-Jul
Dyna-Gro Seeds	D58VC65	270.4	16.93	60.03	100.0	43.0	21-Jul
Golden Harvest Seeds	G13Z50-3110	269.0	16.20	58.73	95.0	44.1	25-Jul
Dyna-Gro Seeds	D54VC14	265.3	16.56	60.00	94.7	42.8	24-Jul
Dyna-Gro Seeds	D55VC45	261.8	16.30	60.46	94.3	42.4	25-Jul
Dyna-Gro Seeds	D54DC94	261.7	17.13	57.80	100.3	45.5	24-Jul
Dyna-Gro Seeds	D52VC63	261.6	15.36	59.80	100.3	47.5	21-Jul
Golden Harvest Seeds	G13T43-3010	249.0	17.46	55.13	97.7	41.3	21-Jul
Dyna-Gro Seeds	D52VC91	240.5	16.96	59.56	97.0	43.8	24-Jul
	Trial Mean	268.0	17.2	58.9	100.3	44.3	22-Jul
	LSD (P > 0.05)	27.9	1.16	4.49	6.0	3.7	3.1
	CV	6.17	4.03	4.52	3.52	5.02	0.88
	F Test	0.0623	<.0001	0.3956	<.0001	<.0001	0.0168