

New Mexico 2015 Grain Corn Performance Test - Agricultural Science Center at Clovis

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Test Description

Location:	Management Practices:	Growing Conditions:		
County/Area: Curry	Previous Crop: fallow	Average		
Longitude: -103.22	Planting Date: 18-May	Temp.	Precip.	Irrigation
Latitude: 34.60	Harvest Date: 29-Oct	°F	in.	in.
Elevation: 4435 ft.				
Soil Name: Olton	<u>Production Inputs</u>	January	31.1	
Soil Texture: clay loam	<u>Rate</u> <u>Date</u>	February	38.5	
Soil Depth: >60 in.	Fertilizer:	March	45.9	
	Nitrogen 13 lb/a carryover	April	54.1	
	Nitrogen 16 lb/a* 17-Mar	May	59.3	7.45
	P ₂ O ₅ 30 lb/a* 17-Mar	June	72.1	1.77 2.50
	S 1.3 lb/a* 17-Mar	July	75.5	3.40 7.50
	Nitrogen 200 lb/a 17-May	August	74.5	4.00 3.66
	Tilt Blue Zone 3 g/ac 17-May	September	73.0	2.54 0.12
	S 36.2 lb/ac 17-May	October	58.5	8.08
	Zn 3 qt/ac 17-May	November		
	Herbicides:	December		
	Bicep Lite II Mag 3 pt/a 18-May			
	Glyphosate 40 oz/ac 18-May	Seasonal Precipitation:	27.2 in.	
	Brawl 1 pt/ac 26-Jun	Total Irrigation:	13.8 in.	
	Insecticides:	Date of Last Spring Frost:	21-Apr	
	Onager 16 oz/ac 26-Jun	Date of First Fall Frost:	6-Nov	
	Prevathon 14 oz/ac 26-Jun	Frost Free Period:	195 days	
	Oberon 8 oz/ac 5-Aug			
	Prevathon 14 oz/ac 5-Aug			
	Fungicides:			
	Quadris 11 oz/ac 5-Aug			
	Tilt 4 oz/ac 5-Aug			

* Strip Till

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Brand/Company Name	Hybrid/Variety Name	Moisture					Silk Date
		Grain Yield bu/a	at Harvest %	Test Weight lb/bu	Plant Height in	Ear Height in	
Advanta US Inc.	Phoenix 6322 A 4	281.4	16.10	59.40	115.1	50.3	28-Jul
CPS Dyna-Gro Seed	D 55 VP 77	272.8	15.43	62.27	108.3	46.3	24-Jul
CPS Dyna-Gro Seed	D 53 VC 55	272.5	15.60	60.63	93.2	46.6	25-Jul
Advanta US Inc.	Phoenix 5552 A 4	271.3	15.03	59.57	105.5	41.9	26-Jul
CPS Dyna-Gro Seed	D 52 SS 91	271.2	15.80	61.97	109.6	48.2	24-Jul
Advanta US Inc.	Phoenix 5942 A 4	268.7	15.17	61.63	107.1	47.8	25-Jul
Advanta US Inc.	Phoenix 6542 A 4	264.4	16.50	59.40	116.4	54.1	28-Jul
CPS Dyna-Gro Seed	D 55 QC 73	249.4	15.33	63.77	115.5	50.3	26-Jul
Advanta US Inc.	Phoenix 6523 A 4	229.9	17.57	57.70	114.6	48.3	25-Jul
Advanta US Inc.	Phoenix 6012 VZ	229.6	15.43	59.60	109.7	46.9	23-Jul
	Trial Mean	263.2	15.8	60.7	109.7	48.1	25-Jul
	LSD (P > 0.05)	16.1	0.47	0.67	10.6	5.2	3.1
	CV	3.59	1.75	0.65	5.69	6.38	0.87
	F Test	<.0001	<.0001	<.0001	0.0370	0.0233	0.0376