

New Mexico 2011 Grain Corn Performance Test - Agricultural Science Center at Clovis

Investigators: R.E. Kirksey, A. Scott, and B. Niece

Test Description

Location:	Management Practices:	Growing Conditions:
County/Area: Curry	Previous Crop: fallow	
Longitude: -103.22	Planting Date: 10-May	
Latitude: 34.60	Harvest Date: 25-Oct	
Elevation: 4435 ft.		
Soil Name: Olton		
Soil Texture: clay loam		
Soil Depth: >60 in.		
	Production Inputs	
	<u>Rate</u> <u>Date</u>	
	Fertilizer:	
	Nitrogen 24 lb/a carryover	
	Nitrogen 230 lb/a 18-Apr	
	P ₂ O ₅ 50 lb/a 18-Apr	
	S 39 lb/a 18-Apr	
	Zn 1 gal/a 18-Apr	
	Herbicides:	
	Bicep Lite II Mag 3 pt/a 10-May	
	Status 5 oz/ac 28-Jun	
	MeeToo-Lachlor II 1 pt/a 28-Jun	
	Insecticides:	
	Onager 10 oz/ac 28-Jun	
	Intrepid 8 oz/ac 30-Jul	
	Oberon 7 oz/ac 30-Jul	
Test Design:		
Replications: 4		
Plot Length: 20 ft.		
Rows per Plot: 2		
Row Spacing: 30 in.		
Seeding Rate: 27000 seed/a		
		Average
		Temp. Precip. Irrigation
		°F in. in.
		January 35.8
		February 36.5
		March 51.2
		April 58.1 0.00 4.75
		May 64.3 0.00 1.80
		June 77.9 1.46 4.30
		July 80.0 0.23 8.62
		August 80.2 1.96 6.80
		September 69.0 1.04 4.50
		October† 61.0 0.70 1.00
		November
		December
		†October 1-24
		Seasonal Precipitation: 5.4 in.
		Total Irrigation: 31.8 in.
		Date of Last Spring Frost: 3-May
		Date of First Fall Frost: 19-Oct
		Frost Free Period: 169 days

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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	
BH Genetics	BH 8895 VTTP	310.4	17.67	51.40	97.8	37.0	25-Jul
Monsanto	DKC 66-96	299.5	16.54	54.65	96.8	37.3	26-Jul
Monsanto	DKC 64-69	297.8	16.67	53.54	91.0	38.3	21-Jul
BH Genetics	BH 9018 VTTP	286.2	21.02	52.20	98.0	39.5	23-Jul
BH Genetics	BH 8928 VTTP	271.7	19.45	53.07	104.0	41.3	21-Jul
BH Genetics	BH 8844 VTTP	257.6	18.25	54.41	88.5	35.3	21-Jul
BH Genetics	XP 8570 VTTP	255.9	16.02	53.07	101.7	36.0	25-Jul
Allied	117 GB 44	255.5	16.30	55.09	92.8	44.3	26-Jul
BH Genetics	XP 8492 SS	219.5	15.05	53.69	93.8	31.3	27-Jul
Trial Mean		272.7	17.4	53.5	96.0	37.8	24-Jul
LSD (P > 0.05)		35.8	0.83	0.95	12.2	5.9	2.6
CV		9.01	3.25	1.21	8.71	10.68	0.87
F Test		0.0022	<.0001	<.0001	0.1330	0.0229	<.0001