

New Mexico 2017 Forage Corn Performance Test - Agricultural Science Center at Clovis

Results

Brand/Company Name	Hybrid/Variety Name	Moisture			CP	NDF	NDFD		Ash	TDN	NE ₁	Milk/Ton	Milk/Acre
		Dry Forage	Green Forage	at Harvest			48hr	Starch					
		t/a	t/a	%	%	%	%	%	%	Mcal/lb	lb/t	lb/a	
B-H Genetics	X17015 SS	9.3	29.7	68.8	10.0	44.2	58.9	25.3	3.6	65.0	0.667	3084	28568
Dyna-Gro	D53VC47 RIB	9.0	28.3	68.2	9.4	43.3	62.8	29.7	4.2	67.2	0.692	3281	29470
Golden Acres	G7848 VT2 PRO	8.9	27.0	67.2	9.9	41.8	63.8	30.9	3.4	68.6	0.708	3384	29994
B-H Genetics	BH 8907 VT2P	8.8	29.8	70.4	9.5	46.5	61.0	25.6	3.7	66.0	0.679	3179	28054
Blue River Hybrids	70A47	8.8	29.3	70.0	10.1	43.8	61.8	28.3	4.1	66.5	0.685	3221	28317
Dyna-Gro	D54VC52 RIB	8.7	25.8	66.3	9.6	41.2	60.3	32.0	3.4	66.9	0.689	3235	28046
B-H Genetics	BH 8636 SS	8.6	27.1	68.1	10.3	45.0	62.0	25.9	3.9	67.0	0.690	3255	28140
Dyna-Gro	D58QC72 RIB	8.6	29.7	71.2	9.9	46.4	61.3	24.8	3.8	66.4	0.683	3206	27524
Masters Choice	MCT 6754	8.6	27.4	68.6	9.6	43.6	61.3	29.0	3.6	66.6	0.686	3225	27604
Sygenta	G15Q98-3000 GT	8.6	27.7	69.2	9.3	43.7	61.7	29.6	3.9	66.6	0.685	3226	27627
Sygenta	G14H66-3010A	8.5	27.8	69.5	9.1	42.4	63.2	30.7	3.8	67.6	0.697	3312	28063
Sygenta	G14V04-3000 GT	8.4	26.1	67.8	9.1	43.5	61.0	30.7	3.4	66.4	0.683	3203	27046
B-H Genetics	BH 8590 VT2P	8.4	26.4	68.1	9.1	43.3	59.8	30.5	3.2	66.4	0.684	3199	26895
Dyna-Gro	D55VP77 RIB	8.4	28.8	70.8	9.9	42.6	61.0	29.2	3.7	67.0	0.689	3246	27286
Masters Choice	MCT 6733	8.4	27.3	69.3	9.5	44.3	61.9	27.4	3.9	66.8	0.687	3241	27094
B-H Genetics	BH 8732 VTTP	8.4	27.1	69.2	9.4	43.9	62.7	28.9	3.2	67.6	0.696	3303	27600
Golden Acres	G8738	8.4	27.8	69.8	10.1	43.6	61.1	27.6	3.6	66.8	0.687	3232	26986
Blue River Hybrids	66G25	8.3	27.5	69.7	9.9	42.8	61.5	28.3	3.9	67.2	0.692	3268	27312
Golden Acres	G6832 STX	8.3	28.2	70.5	9.4	45.5	60.1	27.3	3.6	65.9	0.677	3162	26413
Golden Acres	G7601	8.2	26.7	69.1	9.7	42.0	62.7	29.5	3.7	67.7	0.697	3312	27278
B-H Genetics	BH 8988 W/GT	8.2	28.1	70.9	9.7	45.9	61.8	25.0	3.5	66.7	0.686	3233	26431
Sygenta	G18D87-3111	8.1	27.0	69.7	9.3	42.3	62.1	30.2	3.3	67.5	0.695	3291	26803
B-H Genetics	BH 8721 VT2P	8.1	27.1	70.2	9.8	43.3	62.6	28.5	3.8	67.4	0.694	3292	26567
Sygenta	G13N18-3111	7.8	27.9	72.1	9.4	44.5	62.2	28.8	3.8	66.7	0.687	3241	25316
Dyna-Gro	D58SS65 RIB	7.8	27.5	71.6	9.4	45.9	60.7	27.4	3.4	66.4	0.684	3205	25022
Masters Choice	MCT 6583	7.7	26.7	71.0	9.2	44.4	61.2	27.9	4.2	66.0	0.679	3181	24575
Blue River Hybrids	62G22	7.5	25.4	70.7	9.7	44.0	61.8	28.8	3.8	67.0	0.690	3258	24306
	Trial Mean	8.4	27.6	69.5	9.6	43.8	61.6	28.4	3.68	66.8	0.688	3240	27197
	LSD	1.1	3.3	0.03	0.59	3.6	1.79	3.99	0.76	1.33	0.014	106	3770
	LSD P >	0.1	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.050	0	0.05
	CV	7.9	7.3	2.4	3.8	5.0	1.8	8.6	12.6	1.2	1.310	2	8.5
	F Test	0.4	0.4981	0.015	0.0018	0.2719	0.0005	0.0279	0.4220	0.0077	0.006	0.0036	0.5004

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Investigators: A. Mesbah, A. Scott, and B. Niece

Test Description

Location:	Management Practices:	Growing Conditions:																																																																																
County/Area: Curry	Previous Crop: fallow	<table border="1"> <thead> <tr> <th></th> <th>Average</th> <th></th> <th></th> </tr> <tr> <th></th> <th>Temp.</th> <th>Precip.</th> <th>Irrigation</th> </tr> <tr> <th></th> <th>°F</th> <th>in.</th> <th>in.</th> </tr> </thead> <tbody> <tr> <td>January</td> <td>36.5</td> <td></td> <td></td> </tr> <tr> <td>February</td> <td>45.8</td> <td></td> <td></td> </tr> <tr> <td>March</td> <td>51.7</td> <td></td> <td></td> </tr> <tr> <td>April</td> <td>55.5</td> <td></td> <td></td> </tr> <tr> <td>May 1-18</td> <td>61.4</td> <td>1.24</td> <td>0.05</td> </tr> <tr> <td>June</td> <td>74.1</td> <td>1.02</td> <td>1.80</td> </tr> <tr> <td>July</td> <td>77.0</td> <td>2.18</td> <td>6.50</td> </tr> <tr> <td>August</td> <td>71.0</td> <td>7.87</td> <td>0.21</td> </tr> <tr> <td>September 1-5</td> <td>67.0</td> <td>0.00</td> <td>0.00</td> </tr> <tr> <td>October</td> <td>56.5</td> <td></td> <td></td> </tr> <tr> <td>November</td> <td>50.0</td> <td></td> <td></td> </tr> <tr> <td>December</td> <td>38.0</td> <td></td> <td></td> </tr> <tr> <td colspan="2" style="text-align: right;">Seasonal Precipitation:</td> <td colspan="2" style="text-align: right;">12.3 in.</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total Irrigation:</td> <td colspan="2" style="text-align: right;">8.6 in.</td> </tr> <tr> <td colspan="2" style="text-align: right;">Date of Last Spring Frost:</td> <td colspan="2" style="text-align: right;">1-May</td> </tr> <tr> <td colspan="2" style="text-align: right;">Date of First Fall Frost:</td> <td colspan="2" style="text-align: right;">10-Oct</td> </tr> <tr> <td colspan="2" style="text-align: right;">Frost Free Period:</td> <td colspan="2" style="text-align: right;">162 days</td> </tr> </tbody> </table>		Average				Temp.	Precip.	Irrigation		°F	in.	in.	January	36.5			February	45.8			March	51.7			April	55.5			May 1-18	61.4	1.24	0.05	June	74.1	1.02	1.80	July	77.0	2.18	6.50	August	71.0	7.87	0.21	September 1-5	67.0	0.00	0.00	October	56.5			November	50.0			December	38.0			Seasonal Precipitation:		12.3 in.		Total Irrigation:		8.6 in.		Date of Last Spring Frost:		1-May		Date of First Fall Frost:		10-Oct		Frost Free Period:		162 days	
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Longitude: -103.22	Planting Date: 18-May																																																																																	
Latitude: 34.60	Harvest Date: 5-Sep																																																																																	
Elevation: 4435 ft.																																																																																		
Soil Name: Olton																																																																																		
Soil Texture: clay loam																																																																																		
Soil Depth: >60 in.																																																																																		
	Production Inputs																																																																																	
	Rate Date																																																																																	
	Fertilizer:																																																																																	
	Nitrogen 36 lb/a carryover																																																																																	
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	P ₂ O ₅ 50 lb/a 18-Apr																																																																																	
	Zn 3 qt/ac 18-Apr																																																																																	
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	Herbicides:																																																																																	
	Atrazine 1 pt/a at plant																																																																																	
	Balance Flex 2 oz/ac at plant																																																																																	
	Diflex 8 oz/ac at plant																																																																																	
	Charger Basic 1 pt/ac at plant																																																																																	
	Glyphosate 40 oz/ac at plant																																																																																	
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	Belt SC 3 oz/ac 3-Aug																																																																																	
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Test Design:																																																																																		
Replications: 3																																																																																		
Plot Length: 20 ft.																																																																																		
Rows per Plot: 2																																																																																		
Row Spacing: 30 in.																																																																																		
Seeding Rate: 27000 seed/a																																																																																		