

New Mexico 2016 Forage Corn Performance Test - Agricultural Science Center at Clovis

Results

Brand/Company Name	Hybrid/Variety Name	Moisture			CP	NDFD			Ash	TDN	NE _i	Milk/Ton	Milk/Acre
		Dry Forage	Green Forage	at Harvest		NDF	48hr	Starch					
		t/a	t/a	%	%	%	%	%	%	Mcal/lb	lb/t	lb/a	
CPS Dyna-Gro	D 58 QC 72	9.6	31.6	69.4	10.3	44.5	60.8	25.6	4.2	66.1	0.680	3185	30706
Golden Acres	G 7601	8.4	25.2	66.6	9.6	42.2	62.4	29.1	3.8	67.8	0.699	3323	28016
B-H Genetics	BH 8590 VT 2 P	8.4	24.6	65.8	9.8	43.2	59.4	26.2	4.2	65.5	0.673	3127	26368
Mycogen Seeds, Inc.	TMF 17 W 95	8.3	27.0	69.1	10.0	42.7	59.8	26.1	4.0	66.0	0.679	3170	26439
Masters Choice	MCT 6733	8.3	23.9	65.3	9.7	39.2	63.0	32.4	3.7	68.4	0.705	3365	27809
Mycogen Seeds, Inc.	TMF 15 H 86	8.2	23.8	65.7	10.0	40.2	62.9	29.8	4.2	68.2	0.703	3352	27348
CPS Dyna-Gro	D 55 VP 77	8.1	22.8	64.2	9.6	39.3	60.8	31.9	3.8	68.0	0.701	3318	27006
Blue River Hybrids	73 B 33	8.1	24.4	66.6	9.6	41.9	60.7	29.0	3.8	66.9	0.689	3239	26256
CPS Dyna-Gro	D 57 VP 51	8.1	23.7	65.9	9.7	40.4	61.3	31.3	3.8	67.6	0.696	3291	26585
Masters Choice	EXP 609 Q	8.0	23.6	66.3	8.9	38.6	60.7	33.1	3.3	68.3	0.705	3341	26660
B-H Genetics	BH 8732 VTTP	8.0	24.1	66.8	9.5	41.9	61.3	28.8	3.8	67.2	0.692	3264	26048
B-H Genetics	X 16077 SS	7.9	22.6	64.9	9.7	43.9	61.1	26.5	4.0	66.6	0.686	3222	25543
Mycogen Seeds, Inc.	TMF 17 L 86	7.9	24.5	67.9	9.7	45.7	60.1	22.9	4.3	65.1	0.669	3105	24437
CPS Dyna-Gro	D 54 DC 94	7.9	22.3	64.6	9.7	39.3	61.9	31.5	3.8	68.5	0.706	3364	26549
Golden Acres	G 8738 VIP 3110	7.8	25.6	69.6	9.6	43.2	60.9	27.4	4.0	66.3	0.682	3199	24932
B-H Genetics	BH 8907 RR	7.8	23.5	66.9	9.7	44.1	60.8	25.7	4.0	66.4	0.683	3204	24939
Masters Choice	EXP 688 P	7.8	24.0	67.6	9.2	42.1	62.4	29.4	4.2	67.5	0.695	3295	25564
B-H Genetics	BH 8735 VTTP	7.8	22.4	65.3	9.5	41.3	61.5	31.1	3.3	68.0	0.700	3321	25756
B-H Genetics	BH 8912 VIP 3110	7.7	24.3	68.3	10.2	41.8	61.3	27.1	4.1	66.7	0.686	3227	24928
Mycogen Seeds, Inc.	TMF 14 L 46	7.7	25.4	69.8	9.9	43.8	60.0	24.3	4.6	64.4	0.660	3052	23421
Masters Choice	EXP 685 P	7.7	23.3	67.2	10.2	44.9	60.5	24.6	4.3	66.1	0.680	3183	24364
B-H Genetics	X 16076 SS	7.6	21.6	64.8	9.7	41.0	61.5	30.5	3.8	67.6	0.696	3293	25210
Masters Choice	MCT 6363	7.5	22.7	66.9	9.4	39.5	61.4	31.3	3.6	67.2	0.692	3267	24553
B-H Genetics	X 16080 SS	7.5	21.2	64.7	9.8	42.4	61.0	28.3	3.8	66.7	0.686	3226	24117
Blue River Hybrids	73 L 30	7.4	21.7	65.8	9.6	44.0	61.2	25.5	3.9	65.9	0.678	3173	23463
Masters Choice	EXP 635 P	7.3	22.3	67.2	10.0	39.6	61.4	31.1	3.9	67.8	0.698	3308	24242
CPS Dyna-Gro	CX 16218	7.3	21.8	66.4	10.0	41.4	61.2	29.2	3.6	67.8	0.698	3306	24142
Masters Choice	MCT 6583	7.1	21.9	67.3	9.3	38.6	62.8	33.8	3.9	68.2	0.703	3350	23926
Masters Choice	MCT 6894	7.1	21.8	67.2	9.4	40.8	62.6	30.0	3.7	68.0	0.700	3331	23766
Blue River Hybrids	70 A 47	7.1	21.4	66.7	9.8	41.0	61.6	29.1	4.1	67.5	0.695	3287	23405
Masters Choice	EXP 640 P	7.1	21.1	66.3	9.7	41.0	62.5	29.3	4.2	67.5	0.695	3296	23379
CPS Dyna-Gro	D 53 VC 47	7.0	19.9	64.8	9.2	41.0	62.7	31.5	3.8	67.9	0.700	3330	23222
Mycogen Seeds, Inc.	BMR 15 B 15	6.9	20.3	66.1	9.9	44.1	65.4	25.5	3.6	68.8	0.710	3413	23468
Masters Choice	MCT 6153	6.7	19.9	66.3	9.3	39.5	60.8	31.6	3.8	67.6	0.696	3287	22005
	Trial Mean	7.7	23.3	66.7	9.7	41.7	61.5	28.8	3.92	67.2	0.692	3265	25242
	LSD	1.0	3.2	0.0	0.72	3.8	2.22	6.10	0.77	2.10	0.023	164	3686
	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	8.3	8.5	2.1	4.5	5.5	2.2	13.0	12.1	1.9	2.070	3	9.0
	F Test	<.0001	0.0023	<.0001	0.0655	0.0063	0.0039	0.547	0.5317	0.0153	0.014	0.0127	0.0256

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

Test Description

Location:	Management Practices:	Growing Conditions:																																																																																																																					
County/Area: Curry Longitude: -103.22 Latitude: 34.60 Elevation: 4435 ft. Soil Name: Olton Soil Texture: clay loam Soil Depth: >60 in.	Previous Crop: fallow Planting Date: 20-May Harvest Date: 12-Sep Production Inputs <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">Rate</th> <th style="text-align: center;">Date</th> </tr> </thead> <tbody> <tr> <td colspan="3">Fertilizer:</td> </tr> <tr> <td>Nitrogen</td> <td>30 lb/a</td> <td>carryover</td> </tr> <tr> <td>Nitrogen</td> <td>270 lb/a</td> <td>16-May</td> </tr> <tr> <td>P₂O₅</td> <td>60 lb/a</td> <td>16-May</td> </tr> <tr> <td>S</td> <td>45.6 lb/ac</td> <td>16-May</td> </tr> <tr> <td>Zn</td> <td>1 g/ac</td> <td>16-May</td> </tr> <tr> <td colspan="3">Herbicides:</td> </tr> <tr> <td>Bicep Lite II Mag</td> <td>3 pt/a</td> <td>21-May</td> </tr> <tr> <td>Brawl</td> <td>1 pt/ac</td> <td>24-Jun</td> </tr> <tr> <td>Diflex</td> <td>8 oz/ac</td> <td>24-Jun</td> </tr> <tr> <td colspan="3">Insecticides:</td> </tr> <tr> <td>Onager</td> <td>16 oz/ac</td> <td>24-Jun</td> </tr> <tr> <td>Oberon</td> <td>8 oz/ac</td> <td>30-Jul</td> </tr> <tr> <td>Prevathon</td> <td>16 oz/ac</td> <td>30-Jul</td> </tr> </tbody> </table>		Rate	Date	Fertilizer:			Nitrogen	30 lb/a	carryover	Nitrogen	270 lb/a	16-May	P ₂ O ₅	60 lb/a	16-May	S	45.6 lb/ac	16-May	Zn	1 g/ac	16-May	Herbicides:			Bicep Lite II Mag	3 pt/a	21-May	Brawl	1 pt/ac	24-Jun	Diflex	8 oz/ac	24-Jun	Insecticides:			Onager	16 oz/ac	24-Jun	Oberon	8 oz/ac	30-Jul	Prevathon	16 oz/ac	30-Jul	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">Average Temp. °F</th> <th style="text-align: center;">Precip. in.</th> <th style="text-align: center;">Irrigation in.</th> </tr> </thead> <tbody> <tr><td>January</td><td style="text-align: center;">35.8</td><td></td><td></td></tr> <tr><td>February</td><td style="text-align: center;">42.8</td><td></td><td></td></tr> <tr><td>March</td><td style="text-align: center;">49.3</td><td></td><td></td></tr> <tr><td>April</td><td style="text-align: center;">53.6</td><td></td><td></td></tr> <tr><td>May</td><td style="text-align: center;">59.9</td><td style="text-align: center;">0.16</td><td style="text-align: center;">1.40</td></tr> <tr><td>June</td><td style="text-align: center;">72.8</td><td style="text-align: center;">4.26</td><td style="text-align: center;">1.80</td></tr> <tr><td>July</td><td style="text-align: center;">78.5</td><td style="text-align: center;">0.48</td><td style="text-align: center;">8.60</td></tr> <tr><td>August</td><td style="text-align: center;">73.0</td><td style="text-align: center;">3.25</td><td style="text-align: center;">4.50</td></tr> <tr><td>September</td><td style="text-align: center;">67.0</td><td style="text-align: center;">1.59</td><td></td></tr> <tr><td>October</td><td style="text-align: center;">61.5</td><td></td><td></td></tr> <tr><td>November</td><td></td><td></td><td></td></tr> <tr><td>December</td><td></td><td></td><td></td></tr> <tr> <td colspan="2">Seasonal Precipitation:</td> <td colspan="2" style="text-align: center;">9.7 in.</td> </tr> <tr> <td colspan="2">Total Irrigation:</td> <td colspan="2" style="text-align: center;">16.3 in.</td> </tr> <tr> <td colspan="2">Date of Last Spring Frost:</td> <td colspan="2" style="text-align: center;">3-May</td> </tr> <tr> <td colspan="2">Date of First Fall Frost:</td> <td colspan="2" style="text-align: center;">6-Nov</td> </tr> <tr> <td colspan="2">Frost Free Period:</td> <td colspan="2" style="text-align: center;">178 days</td> </tr> </tbody> </table>		Average Temp. °F	Precip. in.	Irrigation in.	January	35.8			February	42.8			March	49.3			April	53.6			May	59.9	0.16	1.40	June	72.8	4.26	1.80	July	78.5	0.48	8.60	August	73.0	3.25	4.50	September	67.0	1.59		October	61.5			November				December				Seasonal Precipitation:		9.7 in.		Total Irrigation:		16.3 in.		Date of Last Spring Frost:		3-May		Date of First Fall Frost:		6-Nov		Frost Free Period:		178 days	
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