

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

Results

Brand/Company Name	Hybrid/Variety Name	Moisture					NDFD					Milk/ Ton	Milk/ Acre
		Dry Forage t/a	Green Forage t/a	at Harvest %	CP %	NDF %	48hr %	Starch %	Ash %	TDN %	NE ₁ Mcal/lb		
Blue River Hybrids	72 L 99	9.6	29.0	66.7	8.5	46.3	59.1	29.6	2.5	65.6	0.675	3135	30134
Golden Acres	G 7601	9.3	29.5	68.6	8.7	42.8	59.2	30.4	2.5	67.0	0.690	3232	29913
Mycogen Seeds	T 14785	9.2	28.8	68.0	8.2	43.8	58.1	33.0	2.2	65.8	0.676	3136	29064
CPS Dyna-Gro	D 59 HR 50	9.2	31.1	70.5	8.7	43.1	58.3	32.8	2.7	65.8	0.677	3141	28863
Browning Seed Inc.	11901	9.2	31.4	70.9	8.7	44.6	57.3	29.1	2.9	65.2	0.670	3090	28328
B-H Genetics	BH 8732 VTTP	9.1	29.2	68.8	8.8	43.5	59.5	30.3	2.7	66.6	0.685	3205	29104
Masters Choice	MC EXP 633 E	9.1	30.3	70.0	8.7	41.9	61.1	32.2	2.2	68.0	0.701	3320	30147
Golden Acres	X 6525	9.0	29.4	69.5	9.0	43.8	58.5	30.3	2.4	66.5	0.684	3192	28623
Mycogen Seeds	T 14749	8.9	29.0	69.2	8.7	46.4	59.5	27.2	3.0	65.7	0.675	3139	28068
B-H Genetics	BH 8735 VTTP	8.9	28.8	69.1	8.5	44.1	59.3	30.9	2.4	66.5	0.684	3200	28529
Mycogen Seeds	TMF 2 L 825	8.9	31.0	71.4	7.9	51.0	56.8	23.7	2.3	63.6	0.652	2968	26380
B-H Genetics	X 15033 VT 2 P	8.9	28.3	68.7	8.4	13.3	59.2	33.3	2.1	66.6	0.686	3205	28374
Mycogen Seeds	TMF 2 H 747	8.8	30.4	71.1	8.6	45.8	58.8	28.9	2.9	65.4	0.672	3112	27327
B-H Genetics	X 14020 RR	8.7	28.2	69.1	8.2	44.5	59.0	32.0	2.1	66.3	0.682	3177	27706
B-H Genetics	BH 8830 VTTP	8.6	27.0	68.1	8.7	45.0	56.5	30.4	2.6	64.9	0.666	3057	26306
CPS Dyna-Gro	D 58 QC 72	8.6	29.2	70.5	8.8	42.1	59.0	32.9	2.2	67.0	0.690	3231	27811
B-H Genetics	X 13007 VIP 3110	8.6	29.0	70.4	9.1	44.3	59.2	28.2	2.8	66.1	0.680	3171	27236
Masters Choice	MCT 6733	8.5	26.1	67.4	8.5	41.1	59.5	35.0	2.1	67.3	0.693	3258	27744
Mycogen Seeds	TMF 2 L 874	8.5	31.8	73.4	9.2	47.3	58.5	23.7	3.0	64.5	0.623	3048	25787
CPS Dyna-Gro	D 53 VC 47	8.4	26.0	67.7	8.4	41.8	60.0	35.6	2.5	66.9	0.689	3234	27102
Advanta US, Inc.	Phoenix 6606 A 4	8.4	26.9	69.0	8.3	41.9	59.9	33.4	2.5	66.9	0.689	3235	27045
Advanta US, Inc.	Phoenix 6706 A 4	8.3	26.2	68.1	8.4	43.3	59.3	33.4	2.3	66.6	0.685	3204	26699
CPS Dyna-Gro	D 55 VP 77	8.2	26.7	69.2	8.8	42.8	56.3	31.0	2.5	65.7	0.676	3118	25718
Blue River Hybrids	68 N 65	8.2	25.9	68.2	8.3	45.2	58.8	30.3	2.2	66.4	0.683	3186	26254
Advanta US, Inc.	Phoenix 6542 A 4	8.2	27.3	69.8	8.3	45.3	59.9	30.6	2.5	66.3	0.681	3186	26228
CPS Dyna-Gro	CX 15116	8.2	24.2	66.1	8.8	42.7	59.7	34.2	2.2	67.0	0.689	3235	26551
B-H Genetics	BH 7810 VT 2 P	8.2	23.9	65.7	8.3	41.7	60.9	34.9	2.3	67.7	0.698	3303	27089
B-H Genetics	XP 7646 VT 2 PRIB	8.2	24.9	67.0	8.4	40.1	59.2	37.1	2.1	67.4	0.694	3259	26729
Golden Acres	G 7663	8.2	26.1	68.7	8.8	44.4	59.3	31.0	2.8	66.0	0.678	3160	25756
Advanta US, Inc.	Phoenix 8400 A 4	8.1	25.4	68.1	8.7	42.3	59.1	32.9	2.5	66.6	0.686	3205	26046
B-H Genetics	BH 8688 DG 2 P	8.1	25.4	68.2	8.9	44.6	58.7	30.9	2.7	65.8	0.677	3144	25416
Blue River Hybrids	77 C 53	8.0	26.3	69.6	8.6	44.1	58.5	31.4	2.3	66.1	0.680	3163	25305
Masters Choice	MC EXP 651 P	8.0	27.8	71.4	8.5	47.4	59.4	29.3	2.7	65.1	0.669	3102	24679
Browning Seed Inc.	11801	8.0	26.4	69.9	8.9	43.4	59.7	33.0	2.6	66.4	0.683	3193	25385
Masters Choice	MCT 6363	7.9	24.9	68.2	8.5	41.3	59.8	34.1	2.5	67.3	0.693	3258	25895
Masters Choice	MC EXP 600 M	7.9	24.7	67.9	8.5	40.3	60.3	36.5	2.5	67.2	0.690	3260	25840
Advanta US, Inc.	Phoenix 6523 A 4	7.9	24.0	67.1	8.5	41.9	59.0	34.0	2.3	66.8	0.688	3217	25481
B-H Genetics	XP 7125 SS	7.9	21.8	64.0	8.3	41.2	59.9	36.6	2.3	67.0	0.690	3241	25465
Blue River Hybrids	68 B 37	7.5	25.0	69.8	8.9	44.2	59.0	30.2	3.0	66.1	0.680	3168	23912
Blue River Hybrids	73 L 30	7.5	24.5	69.3	8.6	43.4	57.8	30.5	2.3	65.8	0.677	3138	23661
Blue River Hybrids	70 A 47	7.0	24.4	71.3	8.5	45.3	58.4	29.7	2.6	65.6	0.674	3126	21950
	Trial Mean	8.4	27.2	68.9	8.6	43.7	59.0	31.6	2.47	66.3	0.682	3179	26820
	LSD	0.8	2.0	2.7	0.50	4.1	1.84	5.62	0.78	1.83	0.020	144	3493
	LSD P >	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.050	0	0.05
	CV	6.1	4.5	2.4	3.6	5.7	1.9	10.9	19.3	1.7	1.840	3	8.0
	F Test	<.0001	<0.0001	<.0001	0.0014	0.002	0.0004	0.0016	0.5751	0.0113	0.012	0.0087	0.0035

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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	
Longitude: -103.22	Planting Date: 18-May	
Latitude: 34.60	Harvest Date: 2-Sep	
Elevation: 4435 ft.		
Soil Name: Olton		
Soil Texture: clay loam		
Soil Depth: >60 in.		
	Production Inputs	
	<u>Rate</u> <u>Date</u>	
	Fertilizer:	
	Nitrogen 17 lb/a carryover	
	Nitrogen 16 lb/a* 17-Mar	
	P ₂ O ₅ 30 lb/a* 17-Mar	
	S 1.3 lb/a* 17-Mar	
	Nitrogen 200 lb/a 17-May	
	Tilt Blue Zone 3 g/ac 17-May	
	S 36.2 lb/ac 17-May	
	Zn 3 qt/ac 17-May	
	Herbicides:	
	Bicep Lite II Mag 3 pt/a 18-May	
	Glyphosate 40 oz/ac 18-May	
	Brawl 1 pt/ac 26-Jun	
	Insecticides:	
	Onager 16 oz/ac 26-Jun	
	Prevathon 14 oz/ac 26-Jun	
	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	
Test Design:		
Replications: 3		
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 31.1
		February 38.5
		March 45.9
		April 54.1
		May 59.3 7.45
		June 72.1 1.77 2.50
		July 75.5 3.40 7.50
		August 74.5 4.00 3.66
		September† 73.0 2.54
		October 58.5 8.08
		November
		December
		Seasonal Precipitation: 27.2 in.
		Total Irrigation: 13.7 in.
		Date of Last Spring Frost: 21-Apr
		Date of First Fall Frost: 6-Nov
		Frost Free Period: 195 days

* Strip Till