

New Mexico 2018 Forage Corn Performance Test - Agricultural Science Center at Clovis

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: 17-May	
Latitude: 34.60	Harvest Date: 6-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 12 lb/a	carryover
	Nitrogen 18 lb/a	16-Feb
	P ₂ O ₅ 60 lb/a	16-Feb
	Zn 3 qt/ac	16-Feb
	Nitrogen 122 lb/ac	pre plant
	S 22 lb/ac	pre plant
	Nitrogen 30 lb/ac	at plant
	S 5.5 lb/ac	at plant
	Herbicides:	
	Atrazine 1 pt/a	pre plant
	Balance Flexx 3 oz/ac	pre plant
	Diflexx 5 oz/ac	pre plant
	Glyphosate 40 oz/ac	pre plant
	Brawl 1.3 pt/ac	at plant
	Diflexx 8 oz/ac	20-Jun
	Brawl 16 oz/ac	20-Jun
	Insecticides:	
	Onager 16 oz/ac	20-Jun
	Prevathon 20 oz/ac	1-Aug
	Oberon 8 oz/ac	1-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 35.2
		February 40.3
		March 49.3
		April 52.8
		May 17-31 68.2 1.60 1.40
		June 76.1 1.71 3.20
		July 76.5 3.05 5.30
		August 74.5 3.94 4.40
		September 1-6 72.4 0.72 0.00
		October 56.0
		November
		December
		Seasonal Precipitation: 11.0 in.
		Total Irrigation: 14.3 in.
		Date of Last Spring Frost: 16-Apr
		Date of First Fall Frost: 15-Oct
		Frost Free Period: 182 days

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Results

Brand/Company Name	Hybrid/Variety Name	Moisture			CP	NDF	NDFD		Ash	TDN	NE _l	Milk/Ton	Milk/Acre
		Dry Forage	Green Forage	at Harvest			48hr	Starch					
		t/a	t/a	%	%	%	%	%	%	Mcal/lb	lb/t	lb/a	
Wilbur-Ellis Company	INT6709 VT3PRO	10.4	29.8	64.9	9.1	42.5	59.7	31.4	4.1	66.2	0.681	3181	33204
Wilbur-Ellis Company	INT9678 VT2PRO	9.5	26.9	64.5	9.4	42.4	56.4	31.3	3.8	65.5	0.673	3102	29575
Golden Harvest Seeds	G18D87-3111	9.5	27.8	65.7	8.9	42.1	62.4	31.4	4.1	67.2	0.693	3277	31213
Wilbur-Ellis Company	INT STP6498R	9.4	29.0	67.8	9.1	44.5	62.2	28.5	4.1	66.8	0.688	3246	30351
Dyna-Gro Seeds	D58RR70	9.3	27.0	65.4	9.2	42.9	61.3	31.2	4.1	66.6	0.685	3224	30045
Wilbur-Ellis Company	INT 6474 DGVT2PRIB	9.2	26.1	64.6	9.0	40.8	61.7	33.2	4.2	67.2	0.692	3267	30153
Golden Harvest Seeds	G14H66-3010A	9.2	26.0	64.5	8.9	40.8	61.7	32.7	4.0	67.4	0.695	3286	30337
Wilbur-Ellis Company	INT9684 VT2PRO	9.1	27.6	67.2	9.3	44.3	58.8	28.4	4.3	65.0	0.667	3085	28017
Dyna-Gro Seeds	D58SS65	9.0	26.7	66.3	9.2	40.9	58.8	33.8	4.0	66.2	0.681	3172	28531
Golden Harvest Seeds	G18H82-3111	8.9	23.8	62.4	8.4	37.9	61.4	38.1	3.5	67.8	0.698	3306	29566
Wilbur-Ellis Company	CX618118-VT2PRIB	8.9	24.7	63.9	8.8	40.6	61.0	32.7	3.8	67.6	0.696	3291	29335
Blue River Organic Seed	70A47	8.8	25.7	65.6	9.5	39.9	59.6	34.8	4.6	66.1	0.679	3168	27972
Golden Harvest Seeds	NK1860-3111	8.8	23.7	62.8	9.0	37.3	64.4	35.2	4.2	69.0	0.712	3423	30172
Masters Choice	MCT6653	8.8	24.5	64.0	9.1	41.7	60.8	33.1	3.9	66.8	0.688	3235	28469
Dyna-Gro Seeds	D55VC77	8.8	25.8	66.0	9.2	44.0	56.8	31.0	4.3	64.2	0.659	3011	26340
Wilbur-Ellis Company	CX801115 DGVT2PRO	8.8	25.2	65.3	8.9	39.6	60.1	35.0	4.3	66.5	0.684	3205	28040
Masters Choice	EXP 671T	8.7	23.9	63.5	8.6	41.7	61.6	32.4	4.0	66.8	0.688	3240	28286
Masters Choice	EXP 672T	8.7	24.7	65.0	8.7	41.4	61.3	33.1	4.3	66.7	0.687	3232	28052
Golden Acres Genetics	LG 68C88 VT2PRO	8.7	24.1	64.1	9.0	44.2	60.6	27.8	3.8	66.6	0.685	3214	27776
Blue River Organic Seed	66G25	8.6	24.5	64.8	9.0	42.5	61.9	31.3	4.2	67.0	0.689	3252	28107
Golden Harvest Seeds	G16K01-3111	8.6	25.7	66.4	8.4	41.9	60.4	32.9	3.9	66.6	0.685	3212	27779
Golden Acres Genetics	ES 7667 VT2PRO	8.5	24.4	65.2	9.1	42.1	61.1	31.6	4.1	67.0	0.689	3247	27572
Masters Choice	EXP 621T	8.4	24.2	65.1	8.6	41.9	60.8	32.7	4.4	66.4	0.683	3202	26928
Wilbur-Ellis Company	CX711118-3110	8.4	25.6	67.1	9.5	43.0	59.2	28.5	4.1	65.9	0.677	3150	26559
Wilbur-Ellis Company	CX801117 SS	8.4	23.1	63.6	8.8	40.2	59.5	33.9	3.8	67.2	0.692	3251	27360
Wilbur-Ellis Company	CX842118-3110	8.4	24.0	65.2	8.9	41.3	61.8	32.3	4.2	67.0	0.690	3255	27275
Wilbur-Ellis Company	CX841118-3110	8.3	24.6	66.0	8.6	43.7	61.2	31.2	4.3	66.4	0.683	3208	26744
Dyna-Gro Seeds	D55SS45	8.3	23.5	64.6	9.3	39.8	63.6	32.6	4.1	68.4	0.706	3374	28055
Blue River Organic Seed	62G22	8.2	24.1	66.0	9.3	43.0	60.8	31.5	4.4	66.2	0.681	3187	26234
Masters Choice	MCT6733	8.2	22.8	64.1	8.7	42.2	61.5	32.5	3.8	67.2	0.691	3265	26708
Dyna-Gro Seeds	D52VC15	8.2	21.0	61.0	8.4	39.7	61.4	36.6	4.0	67.1	0.691	3259	26623
Masters Choice	MCT6552	8.1	24.0	66.2	8.9	40.5	62.3	33.2	4.2	67.7	0.697	3307	26717
Golden Acres Genetics	LG 68C22 VTPRO	8.1	22.1	63.6	9.1	42.1	59.4	31.3	3.8	66.7	0.687	3215	25884
Wilbur-Ellis Company	CX851110SS	7.4	21.6	65.6	9.3	40.4	63.0	31.7	4.6	67.8	0.698	3321	24661
	Trial Mean	8.7	24.9	64.9	9.0	41.6	60.8	32.3	4.09	66.8	0.681	3231	28195
	LSD	1.0	2.7	0.02	0.58	3.3	3.74	4.71	0.61	2.09	0.023	177	3573
	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	7.2	6.7	2.3	4.0	4.9	3.8	9.0	9.2	1.9	2.083	3	7.8
	F Test	0.0	0.0001	0.0003	0.0028	0.005	0.0554	0.0274	0.2370	0.0872	0.090	0.0725	0.0132