

Table. New Mexico 2005 Forage Corn Performance Test - Agricultural Science Center at Clovis

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Test Description

Location:	Management Practices:	Growing Conditions:
County/Area: Curry	Previous Crop: fallow	
Longitude: -103.22	Planting Date: 29-Apr	
Latitude: 34.60	Harvest Date: 8-Sep	
Elevation: 4435 ft.	9-Sep	
Soil Name: Olton		
Soil Texture: clay loam		
Soil Depth: >60 in.		
	Production Inputs	
	<u>Rate</u> <u>Date</u>	
	Fertilizer:	
	Nitrogen 47 lb/a 2-May	
	Nitrogen 50 lb/a 20-May	
	Nitrogen 118 lb/a 1-Jul	
	Nitrogen 110 lb/a 11-Jul	
	P ₂ O ₅ 60 lb/a 20-May	
	K ₂ O 0 lb/a	
	S 10 lb/a 20-May	
	Fe 0 lb/a	
	Mn 0 lb/a	
	Zn 1.5 lb/a 20-May	
	Herbicides:	
	Bicep Lite II Mag 3 pt/a 2-May	
	Insecticides:	
	Dimethoate 4E 1 pt/a 18-Aug	
	Oberon 8 oz/ac 18-Aug	
	Tracer 3 oz/ac 18-Aug	
Test Design:		
Replications: 4		
Plot Length: 20 ft.		
Rows per Plot: 2		
Row Spacing: 30 in.		
Seeding Rate: 32000 seed/a		
		<u>Average</u>
		<u>Temp.</u> <u>Precip.</u> <u>Irrigation</u>
		°F in. in.
		January
		February
		March
		April 55.1 0.8
		May 63.9 1.9 3.5
		June 75.3 0.5 6.0
		July 77.3 1.3 12.6
		August 86.6 5.0 5.7
		September 71.9 1.9
		October
		November
		December
		Seasonal Precipitation 11.3 in.
		Total Irrigation 27.7 in.
		Date of Last Spring Frost: 12-Apr
		Date of First Fall Frost: 14-Nov
		Frost Free Period: 216 days

Table. New Mexico 2005 Forage Corn Performance Test - Agricultural Science Center at Clovis**Results**

Brand/Company Name	Hybrid/Variety Name	Moisture			CP	ADF	NDFD			Ash	Milk/ Ton	Milk/ Acre	RFV
		Dry Forage	Green Forage	at Harvest			NDF	48hr	Starch				
		t/a	t/a	%	%	%	%	%	%	lb/t	lb/a		
Garst Seed Co	8270 RR	13.19	36.05	63.3	8.92	26.6	47.8	51.8	30.3	5.71	2929	38642	133
Monsanto	Dekalb DKC69-71 (RR2/YGCB)	13.07	32.45	59.7	8.38	26.8	49.2	49.3	32.3	6.32	2579	33694	130
UAP Southwest	Dyna-Gro DG 58K40	12.82	36.21	64.6	8.84	28.1	49.9	51.4	29.3	5.86	2871	36710	126
Golden Acres Genetics	GA 2995 RR	12.80	36.75	65.2	8.57	29.2	50.1	51.3	29.4	6.15	2866	36677	123
Wilbur Ellis	HB 9671 RR	12.78	37.41	65.9	9.03	28.6	50.5	52.7	26.7	5.69	2949	37660	123
Golden Acres Genetics	GA 2841 RRB	12.74	35.88	64.4	8.78	26.1	46.2	54.0	34.0	6.31	3065	39002	138
Grand Valley Hybrids	26B57	12.70	34.58	63.3	8.75	27.2	48.3	51.1	31.8	6.29	2853	36244	131
Golden Acres Genetics	GA X-6511 LLHx	12.68	36.05	64.8	8.80	27.5	49.8	52.7	28.6	5.90	2948	37388	126
UAP Southwest	Dyna-Gro CX04219	12.62	34.03	62.8	8.94	26.2	46.5	53.1	31.5	6.09	2980	37635	137
UAP Southwest	Dyna-Gro CX05618	12.62	36.58	64.9	8.40	29.0	52.6	53.5	28.6	6.25	2852	36008	118
Grand Valley Hybrids	26R50	12.62	33.98	62.8	8.57	28.5	49.9	53.2	29.4	6.12	2875	36310	125
Eureka Seed	7634RR	12.59	34.03	62.9	8.76	28.5	51.5	53.2	29.5	6.65	2810	35383	121
UAP Southwest	Dyna-Gro CX03518	12.58	33.71	62.5	8.52	28.7	52.9	55.0	26.7	6.78	2825	35637	118
UAP Southwest	Dyna-Gro DG 58K22	12.52	34.40	63.5	8.16	27.4	48.0	52.5	32.4	5.83	2948	36200	132
Monsanto	Dekalb DKC66-80 (RR2)	12.41	33.38	62.8	8.81	27.8	48.6	51.3	30.8	5.77	2847	35321	129
Triumph Seed Co., Inc	1866 Bt	12.24	32.29	61.9	8.35	28.0	50.5	53.4	31.5	6.29	2809	34350	124
Warner Seeds, Inc	W4675BR	12.23	33.05	62.9	9.06	25.2	45.1	53.3	35.0	5.99	3050	37260	143
UAP Southwest	Dyna-Gro CX04319	12.22	32.89	62.9	8.51	26.5	47.7	54.0	32.1	6.17	2964	36274	133
Grand Valley Hybrids	25B93	12.20	33.16	63.1	8.65	25.5	45.3	54.7	33.1	5.51	3133	38228	142
UAP Southwest	Dyna-Gro DG 58P59	12.19	33.87	63.9	8.81	25.5	45.0	53.2	34.5	5.86	3106	37824	143
UAP Southwest	Dyna-Gro CX04520	12.17	33.43	63.7	9.13	25.9	47.6	52.9	31.3	6.14	2978	36140	135
Grand Valley Hybrids	25R96	12.17	35.45	65.4	8.74	29.3	53.0	54.4	27.1	6.18	2911	35418	117
Triumph Seed Co., Inc	1416 Bt	12.07	30.11	60.0	8.73	24.2	42.8	53.7	35.5	5.86	2991	36013	154
Golden Acres Genetics	GA X-6501 Bt	12.03	34.63	65.2	8.30	28.3	50.5	51.4	29.9	6.14	2856	34357	124

Table(continued). New Mexico 2005 Forage Corn Performance Test - Agricultural Science Center at Clovis

Results

Brand/Company Name	Hybrid/Variety Name	Moisture			CP	ADF	NDF	NDFD		Ash	Milk/ Ton	Milk/ Acre	RFV
		Dry Forage t/a	Green Forage t/a	at Harvest %				48hr	Starch				
Monsanto	Dekalb DKC63-62 (RR2)	12.00	30.22	59.9	9.09	25.0	45.0	51.7	32.9	6.17	2848	34121	144
Monsanto	Asgrow RX940RR2	11.99	34.74	65.4	8.81	28.9	50.6	53.2	26.0	5.61	2958	35418	123
Wilbur Ellis	HB 9681	11.85	34.19	65.3	8.94	27.6	49.6	53.9	29.5	5.71	3031	35876	127
Warner Seeds, Inc	W4705B	11.82	32.22	63.0	8.53	25.7	46.3	56.4	33.8	6.20	3126	37025	138
Wilbur Ellis	NC+ 7117	11.73	35.39	66.9	9.19	27.4	47.5	52.3	29.6	6.60	3005	35262	134
Eureka Seed	7624RR	11.69	33.21	64.8	9.23	27.0	47.5	52.7	30.2	6.70	2967	34655	133
BASF Plant Sciences	BPS X308	11.59	26.74	56.7	8.27	27.3	47.6	55.1	28.9	5.51	2831	32792	132
BASF Plant Sciences	BPS X336	11.46	26.63	56.8	8.76	24.5	44.9	54.3	34.9	6.34	2790	31971	145
Warner Seeds, Inc	WXC1201	11.45	29.12	60.9	8.97	27.7	49.8	51.2	29.6	6.24	2710	31080	126
BASF Plant Sciences	BPS X326	11.45	28.70	60.1	8.87	26.3	47.4	54.0	32.1	6.33	2851	32596	135
UAP Southwest	Dyna-Gro CX03318	11.43	32.51	64.8	9.02	27.5	49.9	53.4	28.1	6.51	2944	33632	126
Warner Seeds, Inc	W4602B	11.28	27.94	59.1	8.82	23.8	44.0	51.9	35.9	5.83	2876	32623	149
Wilbur Ellis	NC+ 7401	11.27	34.90	67.7	9.03	29.7	51.7	51.3	26.7	6.46	2839	31930	118
BASF Plant Sciences	BPS X274	11.21	32.02	65.1	10.15	27.6	47.9	50.2	27.9	6.80	2874	32198	131
Wilbur Ellis	HB 9661 YGCB	11.14	30.00	62.8	8.68	25.0	45.4	53.6	34.6	5.80	3039	33717	143
Monsanto	Dekalb DKC64-81 (YGCB)	11.08	27.01	58.9	8.84	26.4	48.1	54.1	32.1	6.37	2788	30885	132
BASF Plant Sciences	BPS X349	11.07	27.66	60.0	9.54	26.4	46.8	50.9	31.5	6.72	2746	30402	136
Eureka Seed	X3054	10.80	29.78	63.8	9.19	25.3	45.1	53.2	34.0	5.97	3088	33276	143
BASF Plant Sciences	BPS X257	10.78	27.55	60.9	9.64	25.3	43.8	48.4	32.7	6.09	2813	30293	147
BASF Plant Sciences	BPS X266	10.65	26.08	59.2	9.62	25.6	45.3	49.6	31.5	6.48	2713	28835	142
BASF Plant Sciences	BPS X251	10.63	26.52	59.9	9.06	26.8	48.1	51.9	30.8	6.12	2780	29531	132
NMSU	NC+ 5423 B	10.20	26.08	61.0	9.03	26.2	48.8	55.4	31.0	6.36	2914	29732	131
BASF Plant Sciences	BPS X248	10.16	25.70	60.5	9.57	26.8	47.1	50.0	28.9	6.36	2734	27702	134
BASF Plant Sciences	BPS X263	9.65	26.52	63.7	9.69	26.5	47.5	49.1	29.8	6.73	2790	26755	134
	Trial Mean	11.85	32.00	62.7	8.90	26.9	48.0	52.6	30.9	6.16	2897	34316	132

LSD	1.09	3.24	2.56	0.40	2.1	3.6	3.5	3.8	0.48	141	3410	13
LSD P >	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CV	6.63	7.25	2.92	3.22	5.64	5.41	4.76	8.72	5.61	3.48	7.11	7.11
F Test	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
