

New Mexico 2005 Corn Silage Variety Trial Results - Artesia

R. P. Flynn and C. A. French

Corresponding author: M.A. Marsalis, marsalis@nmsu.edu, New Mexico State Univ., Agric. Sci. Center, 2346 SR 288, Clovis, NM 88101

URL for Further Information: <http://cahe.nmsu.edu/pubs/research/agronomy/perf05.pdf>

Flynn, R. P., and French, C. A., 2006. New Mexico 2005 Corn Silage Variety Trial Results. Online. Crop Management

Trial Description

Year of Harvest (yyyy)	2005	Country	USA	State/Province	NM	Study Design (number of replications):						
Special Test (Describe)				County/Area	Eddy	Replicated Within Site		4				
Soil Name & Texture	Reeves	Soil Depth (inches)	>60	Longitude	-104.38	Replicated Across Sites						
				Latitude	32.75							
Planting (mm/dd/yy)	4/21/2005	Harvest Date(s) (mm/dd/yy)	8/10/2005									
Herbicides/Insecticides	None											
Fertilizer Applied (lb/a):	Nitrogen	190	(P2O5)	116	(K2O)		Other (specify)		type	lb/a	type	lb/a
Temperature (deg F)	January	February	March	April	May	June	July	August	September	October	November	December
	44.7	45.1	50.7	57.9	67.6	77.3	79.9	77.3	74.2	60.9	50.1	40.8
Rain (inches)	0.6	1.6	0.7	0.1	1.7	0.2	0.1	2.9	0.1	0.7	0.0	0.0
Irrigation (inches)				2.2		10.3	11.5					
Plant Population (number or pounds per acre)	36000	Row Spacing (inches - enter '0' for broadcast)	40.0					Total Rain	8.7			
Unusual Conditions (or 'none')	None						Total Irrigation	24.0				

Results

Brand/Company Name	Hybrid/Variety Name	Yield t/a DM	Moisture at Harvest %	Crude Protein %, DM	ADF %, DM	NDF %, DM	IVTD-48hr %, DM	NDFD- 48hr %, DM	Starch %, DM	Ash %, DM	milk/ton lb/t	milk/acre lb/a
	Trial Mean	8.40	72.7	9.87	29.33	48.19		55.46	27.29	6.84	3100	26055
	LSD	0.94	2.1	NS	2.24	3.18		2.85	3.07	NS	191	3540
	LSD P >	0.05	0.05	0.05	0.05	0.05		0.05	0.05	0.05	0.05	0.05
	CV	7.92	2.02	4.65	5.43	4.68		3.65	7.98	5.96	4.36	9.65
	F Test	0.0002	<0.0001	0.0558	<0.0001	<0.0001		0.0035	<0.0001	0.0535	0.0006	0.0033
Warner Seeds, Inc	WXC1201	9.39	68.8	9.42	28.53	47.15		53.37	29.96	6.81	3059	28773
UAP Southwest	Dyna Gro CX03518	9.21	72.0	9.88	30.20	50.41		54.47	25.45	7.13	2968	27519

Brand/Company Name	Hybrid/Variety Name	Yield t/a DM	Moisture at Harvest %	Crude Protein %, DM	ADF %, DM	NDF %, DM	IVTD-48hr %, DM	NDFD- 48hr %, DM	Starch %, DM	Ash %, DM	milk/ton lb/t	milk/acre lb/a
Grand Valley Hybrids, Inc	26B57	9.18	71.0	9.62	29.37	48.54		54.88	27.02	6.96	3067	28182
Monsanto	DKC69-71(RR2/YG)	9.14	71.1	9.49	30.64	50.01		52.22	27.26	7.28	2867	26235
Warner Seeds, Inc	W4675BR	9.14	72.3	9.96	28.05	46.12		55.35	29.40	6.68	3183	29078
UAP Southwest	Dyna Gro DG 58P59	8.98	73.0	9.46	28.35	45.93		56.31	29.46	6.65	3220	29030
Grand Valley Hybrids, Inc	25B93	8.98	72.2	10.06	29.56	48.31		54.77	27.00	7.12	3034	27166
Warner Seeds, Inc	W4602B	8.89	70.8	10.07	25.70	43.65		54.68	32.09	6.61	3256	28908
UAP Southwest	Dyna Gro CX04520	8.68	69.9	10.03	27.01	45.56		54.48	29.63	7.16	3135	27170
UAP Southwest	Dyna Gro DG 58K22	8.43	73.2	9.57	31.41	50.87		57.21	23.90	6.71	3084	26011
Monsanto	DKC66-80 (RR2)	8.35	73.0	9.44	30.76	50.47		54.48	26.81	6.57	2998	25017
UAP Southwest	Dyna Gro CX05618	8.34	74.4	9.90	30.99	51.11		58.02	23.47	6.86	3108	25955
EurekaSeed	7634RR	8.26	73.6	9.94	30.37	49.40		54.54	25.87	7.17	2998	24776
Grand Valley Hybrids, Inc	25R96	8.25	74.3	9.87	31.07	50.73		54.53	24.31	7.08	2947	24298
UAP Southwest	Dyna Gro DG 58K40	8.17	74.2	9.93	30.08	49.19		56.52	25.96	6.47	3132	25576
BASF Plant Science	BPSX326	8.13	72.0	10.20	26.70	45.02		57.75	29.92	6.76	3317	27002
EurekaSeed	7624RR	8.11	74.4	10.58	27.79	45.49		57.20	27.52	7.10	3245	26345
Grand Valley Hybrids, Inc	26R50	7.99	75.0	9.71	31.09	50.46		57.14	27.34	6.71	3106	24786
Warner Seeds, Inc	W4705B	7.97	74.2	9.70	29.78	47.59		57.59	27.39	6.86	3206	25551
Garst Seed Co.	8270RR	7.94	74.1	9.99	29.38	48.96		55.57	27.60	6.54	3099	24786
Monsanto	RX940RR2	7.92	74.6	10.06	30.94	50.62		56.01	24.32	6.65	3046	24160
UAP Southwest	Dyna Gro CX04319	7.81	73.4	9.82	27.82	45.65		54.39	29.20	6.83	3143	24558
EurekaSeed	X3054	7.70	72.3	9.98	27.58	45.07		56.00	30.47	6.50	3258	25123
UAP Southwest	Dyna Gro CX03318	7.49	74.8	10.44	31.37	51.91		57.04	22.89	7.25	3014	22605
UAP Southwest	Dyna Gro CX04219	7.35	71.5	9.55	30.57	49.19		53.94	26.52	7.08	2972	21865