

Table A. New Mexico 2008 Dryland Sorghum x Sudangrass Performance Test - Agricultural Science Center at Clovis

Investigators: M.A. Marsalis, R.E. Kirksey, B. Niece, and A. Scott

Test Description

Location:	Management Practices:	Growing Conditions:																																																																								
County/Area: Curry	Previous Crop: fallow																																																																									
Longitude: -103.22	Planting Date: 20-May																																																																									
Latitude: 34.60																																																																										
Elevation: 4435 ft.																																																																										
Soil Name: Olton																																																																										
Soil Texture: clay loam																																																																										
Soil Depth: >60 in.																																																																										
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Replications: 3																																																																										
Plot Length: 20 ft.																																																																										
Rows per Plot: 2																																																																										
Row Spacing: 30 in.																																																																										
Seeding Rate: 128000 seeds/a																																																																										

Table B. New Mexico 2008 Dryland Sorghum x Sudangrass Performance Test - Agricultural Science Center at Clovis

Results

Brand/Company Name	Hybrid/Variety Name	Cutting 1					Cutting 2					Total Dry Forage		
		Dry Forage	Green Forage	Moisture		Milk/Ton	Milk/Acre	Dry Forage	Green Forage	Moisture			Milk/Ton	Milk/Acre
				at Harvest	%					at Harvest	%			
		t/a	t/a	%	lb/t	lb/a	t/a	t/a	%	lb/t	lb/a	t/a		
Coffey Forage Seeds, Inc.	EXP 2017	4.8	12.5	62.2	3296	15719	1.6	4.7	65.9	3005	4760	6.4		
Coffey Forage Seeds, Inc.	EXP 3017	2.9	12.6	76.7	3217	9439	3.0	7.4	58.7	3232	9832	6.0		
Sorghum Partners, Inc.	Sordan 79	3.1	14.5	78.8	2105	6436	2.9	8.0	63.8	3142	9068	6.0		
Eastern Colorado Seeds	HP 200 BMR	2.8	15.0	81.3	3282	9252	3.1	8.8	64.9	3065	9444	5.9		
Curtis and Curtis Seed, Inc.	Wondergraze	2.6	12.4	79.4	2119	5426	3.1	8.0	61.1	3106	9626	5.7		
Curtis and Curtis Seed, Inc.	Triplegainer BMR	3.9	19.0	79.6	3347	13023	1.7	4.3	59.7	2829	4853	5.6		
Dyna-Gro/UAP	DG Danny Boy	3.6	18.7	80.6	3243	11763	1.6	3.9	59.9	2813	4358	5.2		
Eastern Colorado Seeds	HP 3030 DW BMR	2.9	13.9	78.9	3159	9314	1.1	2.7	59.9	2889	3139	4.0		
Coffey Forage Seeds, Inc.	EXP 2017 DW	2.9	12.9	77.5	3248	9490	1.1	2.7	59.5	2941	3173	4.0		
Eastern Colorado Seeds	HP 300 BMR PS	2.6	13.9	81.6	3247	8340	1.4	3.4	60.2	2898	3919	3.9		
	Trial Mean	3.2	14.6	77.7	3026	9820	2.0	5.4	61.4	2991	6217	5.3		
	LSD	1.2	3.2	4.2	172	3603	0.5	1.5	3.6	95	1601	1.4		
	LSD P >	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05		
	CV	21.4	12.7	3.1	3.3	21.4	15.1	16.6	3.4	1.9	15.0	16.0		
	F Test	0.0202	0.0014	<0.0001	<0.0001	0.0005	<0.0001	<0.0001	0.0030	<0.0001	<0.0001	0.0087		

Table C. New Mexico 2008 Dryland Sorghum x Sudangrass Performance Test - Agricultural Science Center at Clovis

Results

Brand/Company Name	Hybrid/Variety Name	Cutting 1							Cutting 2						
		CP	ADF	NDFD		Ash	TDN	NE _l	CP	ADF	NDFD		Ash	TDN	NE _l
		%	%	%	%	%	%	Mcal/lb	%	%	%	%	%	%	Mcal/lb
Coffey Forage Seeds, Inc.	EXP 2017	12.3	28.1	50.4	75.6	8.4	65.5	0.67	11.9	29.0	54.7	70.2	8.0	61.9	0.64
Coffey Forage Seeds, Inc.	EXP 3017	10.5	30.1	53.4	74.9	8.0	64.4	0.66	8.9	28.4	54.6	73.0	6.4	64.8	0.67
Sorghum Partners, Inc.	Sordan 79	13.4	39.6	67.5	57.5	6.8	50.7	0.51	8.6	29.7	55.3	70.7	6.2	63.8	0.66
Eastern Colorado Seeds	HP 200 BMR	10.3	29.5	52.8	74.9	7.4	65.3	0.67	9.6	29.2	56.1	71.1	7.0	62.6	0.64
Curtis and Curtis Seed, Inc.	Wondergraze	13.3	40.0	68.6	58.4	6.6	50.8	0.51	7.9	29.9	54.9	69.2	6.2	63.4	0.65
Curtis and Curtis Seed, Inc.	Triplegainer BMR	9.8	27.7	51.3	76.6	8.0	66.1	0.68	13.2	30.6	55.8	68.1	8.8	59.7	0.61
Dyna-Gro/UAP	DG Danny Boy	10.4	28.6	53.3	75.3	7.9	64.7	0.67	13.0	30.8	55.9	67.7	8.8	59.5	0.61
Eastern Colorado Seeds	HP 3030 DW BMR	11.3	28.4	53.1	73.8	8.4	63.7	0.65	13.2	29.8	54.7	68.1	8.5	60.5	0.62
Coffey Forage Seeds, Inc.	EXP 2017 DW	11.6	26.8	51.8	74.5	8.0	64.9	0.67	13.2	28.6	53.5	67.8	8.2	61.2	0.63
Eastern Colorado Seeds	HP 300 BMR PS	11.0	28.7	52.2	75.3	8.3	64.8	0.67	13.0	30.7	55.6	69.1	8.5	60.5	0.62
	Trial Mean	11.4	30.7	55.4	71.7	7.8	62.1	0.64	11.3	29.7	55.1	69.5	7.7	61.8	0.63
	LSD	1.6	1.3	1.6	3.3	0.7	2.1	0.02	0.6	1.0	NS	1.7	0.5	1.2	0.01
	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	0.05	0.05
	CV	8.1	2.5	1.7	2.7	5.0	2.0	2.2	3.3	2.0	2.0	1.5	4.1	1.1	1.2
	F Test	0.0011	<0.0001	<0.0001	<0.0001	0.0001	<0.0001	<0.0001	<0.0001	0.0004	0.2201	<0.0001	<0.0001	<0.0001	<0.0001