

**New Mexico 2016 Dryland Forage Sorghum Performance Test - Agricultural Science Center at Clovis**

**Results**

Brand/Company Name	Hybrid/Variety Name	Sorghum Type	Maturity Group	Moisture			CP	NDF	NDFD 48hr	Ash	TDN	NE <sub>1</sub>	Milk/Ton	Milk/Acre
				Dry Forage	Green Forage	at Harvest								
				t/a	t/a	%	%	%	%	%	Mcal/lb	lb/t	lb/a	
Gayland Ward Seed	Ensile Master	Conv	ML	4.2	14.1	70.6	8.3	51.0	63.0	5.0	58.1	0.591	2627	10892
CPS Dyna-Gro Seed	F73FS10	Conv	M	3.9	13.3	70.5	9.0	50.5	60.6	5.3	57.9	0.589	2589	10160
Blue River Hybrids	Blackhawk	BMR	ML	3.5	13.0	72.9	9.5	54.1	67.9	6.0	61.3	0.627	2896	10313
CHS Seed Resources	HighYield Conv	Conv	L	3.5	12.2	71.5	8.1	53.0	60.3	5.3	56.5	0.574	2489	8678
CHS Seed Resources	SiloSorghum Conv	Conv	L	3.2	11.1	71.6	9.8	50.5	61.8	5.8	60.0	0.613	2756	8693
CPS Dyna-Gro Seed	705F	Conv	ME	3.1	10.7	70.8	9.6	50.1	63.4	5.6	61.0	0.623	2839	8870
Gayland Ward Seed	Super Sugar DM	Conv	L	3.0	10.6	71.3	8.8	54.2	61.7	5.6	58.5	0.595	2645	8056
CHS Seed Resources	HighYield BMR PS	BMR	L (PPS)	2.8	12.3	77.4	9.8	55.6	72.6	6.5	62.4	0.639	3011	8342
CHS Seed Resources	HighYield BMR Dwarf	BMR	ME	2.8	9.9	72.0	9.1	49.7	70.6	5.3	66.9	0.689	3317	9140
CHS Seed Resources	SiloSorghum BMR MS	BMR	L	2.7	10.9	75.2	9.6	52.7	71.8	6.2	61.1	0.625	2913	7886
Gayland Ward Seed	Sweet Forever BMR	BMR	PS	2.7	10.3	73.7	8.9	55.8	67.9	5.5	61.2	0.626	2887	7775
Gayland Ward Seed	GW 400 BMR	BMR	ME	2.6	10.1	73.9	9.0	46.3	65.9	6.0	57.9	0.589	2636	6939
CHS Seed Resources	HighYield BMR	BMR	L	2.6	10.3	75.0	10.5	52.6	68.7	6.5	59.7	0.609	2788	7166
Gayland Ward Seed	GW 2120	Conv	M	2.4	9.4	74.0	9.2	50.0	62.8	5.7	60.0	0.612	2759	6723
Blue River Hybrids	Nighthawk	BMR	E	2.0	8.0	75.2	11.9	52.9	68.4	7.2	59.4	0.605	2762	5473
CHS Seed Resources	SiloSorghum BMR Dwarf	BMR	L	2.0	7.3	72.9	10.2	53.3	68.8	5.7	60.1	0.614	2819	5518
Trial Mean				2.9	10.8	73.0	9.4	52.0	66.0	5.82	60.1	0.613	2796	8163
LSD				0.7	2.4	2.2	0.93	3.8	2.63	0.84	2.25	0.025	173	2071
LSD P >				0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.050	0	0.05
CV				14.8	13.2	1.8	5.9	4.4	2.4	8.6	2.2	2.4	4	15.2
F Test				<.0001	<.0001	<.0001	0.0169	0.0015	0.9685	0.0009	<.0001	<.0001	<.0001	<.0001

**New Mexico 2015 Dryland Forage Sorghum Performance Test - Agricultural Science Center at Clovis**

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**Test Description**

<b>Location:</b>	<b>Management Practices:</b>	<b>Growing Conditions:</b>
County/Area: Curry	Previous Crop: fallow	
Longitude: -103.22	Planting Date: 21-Jun	
Latitude: 34.60	Harvest Date: 20-Oct	
Elevation: 4435 ft.		
Soil Name: Olton		
Soil Texture: clay loam		
Soil Depth: >60 in.		
	<b>Production Inputs</b>	
	<u>Rate</u> <u>Date</u>	
	<b>Fertilizer:</b>	
	carryover            10 lb/a            carryover	
	Nitrogen            21 lb/ac            6-May	
	P <sub>2</sub> O <sub>5</sub> 20 lb/ac            6-May	
	S                2.8 lb/ac            6-May	
	Zn               1 qt/ac             6-May	
	Nitrogen            60 lb/ac            24-Jun	
	S                11 lb/ac            24-Jun	
	<b>Herbicides:</b>	
	Atrazine            1.5 pt/ac            24-Jun	
	Glyphosate        32 oz/ac            24-Jun	
	Sharpen            2 oz/ac             24-Jun	
	Yukon              4 oz/ac             13-Jul	
	Atrazine            8 oz/ac             13-Jul	
	Brox                8 oz/ac             13-Jul	
	<b>Insecticides:</b>	
	Sivanto            7 oz/ac             8-Sep	
<b>Test Design:</b>		
Replications: 3		
Plot Length: 20 ft.		
Rows per Plot: 2		
Row Spacing: 30 in.		
Seeding Rate: 50000 seed/a		
		Average
		Temp.      Precip.      Irrigation
		°F            in.            in.
		January      35.8
		February     42.8
		March        49.3
		April         53.6
		May          59.9
		June         72.8      4.26
		July          78.5      0.48
		August       73.0      3.25
		September   67.0      2.05
		October      61.5      0.01
		November
		December
		Seasonal Precipitation: 10.1 in.
		Total Irrigation: 0.0 in.
		Date of Last Spring Frost: 3-May
		Date of First Fall Frost: 6-Nov
		Frost Free Period: 178 days