

**Table 1. Winter Annual Small Grain Forages, 2016-2017, Agricultural Science Center at Clovis**

**Investigators:** B. Niece, A. Scott, and A. Mesbah

**Test Description**

<b>Location:</b>	<b>Management Practices:</b>	<b>Growing Conditions:</b>		
County/Area: Curry	Previous Crop: fallow	Average		
Longitude: -103.22	Planting Date: 14-Oct	Temp.	Precip.	Irrigation
Latitude: 34.60	<i>Forage Harvest - Single harvest per plot</i>	°F	in.	in.
Elevation: 4435 ft.	Harvest Dates: 10-Apr to 4-May			
Soil Name: Olton	(Mechanically harvested all of each plot based			
Soil Texture: clay loam	on stage of maturity. Clipping height was 1 to 2 in.)			
Soil Depth: >60 in.				
	<b>Production Inputs:</b>			
	Rate			
	lb/ac			
	Date			
	<b>Fertilizer:</b>			
	Nitrogen 52	carryover		
	Nitrogen 40	10-Oct		
	P <sub>2</sub> O <sub>5</sub> 25	10-Oct		
	Nitrogen 52	17-Feb		
	<b>Herbicides:</b>			
	Affinity BroadSpec 0.6 oz/ac	4-Mar		
	Lo-Vol 6 12.0 oz/ac	4-Mar		
	Prowl H2O 3 pt/ac	4-Mar		
	<b>Insecticides:</b>			
	Lorsban 1 pt/ac	4-Mar		
<b>Test Design:</b>		October 61.5 0.01 2.00		
Replications 3		November 49.5 1.00 0.00		
Plot Length: 8 ft.		December 35.5 0.17 0.00		
Plot Width: 6.73 ft.		January 36.5 1.11 0.00		
Rows per Plot: 11		February 45.8 0.36 1.40		
Drill Row Spacing: 6.25 in.		March 51.7 0.93 4.60		
		April 55.5 0.49 9.40		
		May† 53.5 0.00 0.00		
		†May 1-4		
		Seasonal Precipitation		4.07 in.
		Total Irrigation		17.40 in.
<b>Seeding Rate:</b>				
All Entries: 100 lb/a				
1 Entry: 120 lb/a				
<b>Field Notes:</b>				

**Table 2. Forage Harvest - Winter Annual Small Grain Forages - 2016-2017 Various Dates - NMSU Agricultural Science Center at Clovis**

Company Name	Variety Name	Species <sup>†</sup>	Harvest Date	Dry Forage T/ac	65% Moisture Forage T/ac	Moisture at Harvest %	Milk/Ton lb/ton	Milk/Acre lb/ac
Watley Seed Co.	SlickTrit II - 100#	T	4-May	7.0	20.1	78.3	2714	19128
Watley Seed Co.	SlickTrit II - 120#	T	4-May	6.9	19.7	77.7	2742	18954
Watley Seed Co.	TAM 204	W	2-May	6.8	19.3	76.3	2664	18025
Curtis and Curtis	Maximizer Plus	W/T	28-Apr	6.4	18.2	78.7	2713	17262
UNL Husker Genetics	441 T	T	28-Apr	6.1	17.4	80.3	2904	17660
TriCal Forage	Trical 348	T	26-Apr	6.1	17.3	79.7	2844	17253
UNL Husker Genetics	422 T	T	2-May	6.0	17.1	78.7	3013	18065
Ehmke Seed	ThunderTall	T	28-Apr	5.9	14.7	80.3	2848	16687
Curtis and Curtis	X3	T	28-Apr	5.6	16.1	80.7	2672	15077
Curtis and Curtis	Smoothgrazer	W/T	26-Apr	5.2	15.0	80.7	2857	14980
Sharp Brothers Seed Co.	Trical 718	T	17-Apr	5.1	14.7	78.3	3027	15581
UNL Husker Genetics	NT 13416	T	17-Apr	5.1	14.7	80.7	3108	15996
TriCal Forage	Trical Flex 719	T	17-Apr	5.1	14.7	80.7	3005	15416
Ehmke Seed	ThunderCale V	T	17-Apr	5.1	11.1	82.0	3185	16306
Ehmke Seed	ThunderCale	T	17-Apr	5.0	10.2	81.7	3201	16040
Curtis and Curtis	Maximizer	W/T	26-Apr	4.8	13.9	82.3	2826	13703
UNL Husker Genetics	NT 05421	T	17-Apr	4.8	13.7	82.0	3039	14620
UNL Husker Genetics	NT 11428	T	17-Apr	4.8	13.7	80.7	3283	15714
UNL Husker Genetics	NT 01451	T	17-Apr	4.8	13.6	81.0	3393	16139
Ehmke Seed	ThunderTall II	T	26-Apr	4.7	11.0	83.0	3021	14250
AgriPro	SY Grit	W	17-Apr	4.7	7.7	76.0	3271	15299
UNL Husker Genetics	Ruth	W	17-Apr	4.6	13.2	77.0	3427	15774
TriCal Forage	SY TF 813	T	17-Apr	4.6	13.1	81.0	3042	13926
UNL Husker Genetics	NT 09423	T	17-Apr	4.5	12.9	79.7	3303	14964
Curtis and Curtis	X4	W/T	21-Apr	4.5	12.9	78.0	2755	12447
TriCal Forage	SY TF 131	T	17-Apr	4.5	12.8	80.0	2911	13044
TriCal Forage	Trical Gainer 154	T	10-Apr	4.4	12.7	82.7	3556	15812
UNL Husker Genetics	NT 11406	T	17-Apr	4.4	12.6	80.0	3442	15212
UNL Husker Genetics	Panhandle	W	17-Apr	4.4	12.5	77.7	3357	14644
UNL Husker Genetics	Robidoux	W	17-Apr	4.3	12.3	78.0	3462	14962
AgriPro	SY Monument	W	21-Apr	4.2	6.6	77.3	3290	13908
UNL Husker Genetics	NT 13443	T	17-Apr	4.2	11.9	81.5	3218	13387
Ehmke Seed	ThunderGreen	R	17-Apr	4.1	7.0	84.3	3458	14105
Curtis and Curtis	Smoothgrazer	W/T	17-Apr	4.0	11.4	82.0	2845	11399
Ehmke Seed	ThundercCale F	T	17-Apr	4.0	7.3	81.7	3269	13040
UNL Husker Genetics	NB 10444	B	10-Apr	3.9	10.5	84.0	4097	15943
TriCal Forage	SY TF 135	T	10-Apr	3.8	11.0	80.3	3553	13673
Ehmke Seed	Short Beard Thunder	T	10-Apr	3.8	7.4	81.7	3908	14972
Sharp Brothers Seed Co.	Trical 135	T	10-Apr	3.8	10.9	81.0	3421	13054
TriCal Forage	Trical 336	T	10-Apr	3.8	10.7	83.0	3650	13688
UNL Husker Genetics	NT 06422	T	10-Apr	3.7	10.5	82.3	3911	14407
UNL Husker Genetics	NT 07403	T	10-Apr	3.7	10.5	81.0	3610	13288
TriCal Forage	NS 09PG105	T	10-Apr	3.6	10.2	81.3	3384	12044
UNL Husker Genetics	NB 10425	B	10-Apr	3.3	9.5	84.0	4298	14351
UNL Husker Genetics	426 GT	T	10-Apr	3.0	8.6	79.9	3272	9873
			Trial Mean	4.7	12.7	80.3	3222	15279
			LSD (0.05)	2.0	2.0	1.98	2	2
			CV	12.0	12.1	1.7	6.7	21.9
			F Test	<.0001	<.0001	<.0001	<.0001	<.0001

<sup>†</sup>B=barley; T=triticale; W=wheat, R=Rye

Plots were harvested at Feekes stage 10.0-10.3; 10.0=sheath of flag leaf completely grown out, ear not visible; 10.3= half of heading process complete.

\*\*\* Highest numerical value in the column.

Unless otherwise indicated, all entries planted at 100 lb/ac rate.

**Table 3. Forage Harvest - Winter Annual Small Grain Forages - 2016-2017 Various Dates - NMSU Agricultural Science Center at Clovis**

Company Name	Variety Name	Species <sup>†</sup>	Harvest Date	CP	ADF	NDF	dNDF	TDN	RFQ
				% of DM	% of DM	% of DM	% of NDF	% of DM	
Watley Seed Co.	SlickTrit II - 100#	T	4-May	12.0	39.6	62.1	56.9	60.0	111
Watley Seed Co.	SlickTrit II - 120#	T	4-May	11.5	40.3	63.0	57.8	60.3	112
Watley Seed Co.	TAM 204	W	2-May	12.2	38.9	62.7	56.3	59.4	108
Curtis and Curtis	Maximizer Plus	W/T	28-Apr	13.1	39.7	61.4	58.3	59.9	113
UNL Husker Genetics	441 T	T	28-Apr	14.1	38.5	61.8	61.4	62.1	121
TriCal Forage	Trical 348	T	26-Apr	11.6	39.4	62.8	60.0	61.5	116
UNL Husker Genetics	422 T	T	2-May	13.7	36.2	58.5	61.5	63.7	136
Ehmke Seed	ThunderTall	T	28-Apr	14.1	39.1	62.4	60.1	61.5	117
Curtis and Curtis	X3	T	28-Apr	13.7	40.8	63.4	58.5	59.3	109
Curtis and Curtis	Smoothgrazer	W/T	26-Apr	13.2	38.7	61.5	60.9	61.5	120
Sharp Brothers Seed Co.	Trical 718	T	17-Apr	14.3	38.0	60.0	62.5	63.7	129
UNL Husker Genetics	NT 13416	T	17-Apr	16.6	36.1	58.2	62.3	64.9	134
TriCal Forage	Trical Flex 719	T	17-Apr	15.3	38.6	61.2	62.9	63.4	127
Ehmke Seed	ThunderCale V	T	17-Apr	15.1	35.7	58.8	64.9	65.7	139
Ehmke Seed	ThunderCale	T	17-Apr	16.7	35.5	58.2	63.8	66.0	139
Curtis and Curtis	Maximizer	W/T	26-Apr	13.5	39.3	61.9	61.0	61.1	118
UNL Husker Genetics	NT 05421	T	17-Apr	15.7	36.0	58.4	61.8	64.0	131
UNL Husker Genetics	NT 11428	T	17-Apr	15.4	35.5	58.1	67.3	66.8	146
UNL Husker Genetics	NT 01451	T	17-Apr	16.1	34.7	57.4	67.8	68.2	151
Ehmke Seed	ThunderTall II	T	26-Apr	15.0	37.4	60.2	63.7	63.5	130
AgriPro	SY Grit	W	17-Apr	15.9	32.9	54.5	65.0	66.8	150
UNL Husker Genetics	Ruth	W	17-Apr	16.2	31.7	53.3	68.1	68.7	162
TriCal Forage	SY TF 813	T	17-Apr	14.5	37.6	60.1	62.6	63.9	129
UNL Husker Genetics	NT 09423	T	17-Apr	14.8	35.1	57.4	66.4	67.1	146
Curtis and Curtis	X4	W/T	21-Apr	13.3	39.2	61.4	58.5	60.4	115
TriCal Forage	SY TF 131	T	17-Apr	14.7	39.1	61.7	61.0	62.3	121
TriCal Forage	Trical Gainer 154	T	10-Apr	16.3	32.0	54.0	69.7	70.3	166
UNL Husker Genetics	NT 11406	T	17-Apr	17.2	32.5	55.6	68.3	68.9	157
UNL Husker Genetics	Panhandle	W	17-Apr	15.0	33.8	55.7	67.5	67.8	153
UNL Husker Genetics	Robidoux	W	17-Apr	16.4	32.2	54.0	68.5	69.1	162
AgriPro	SY Monument	W	21-Apr	14.7	33.3	54.3	66.5	66.9	153
UNL Husker Genetics	NT 13443	T	17-Apr	15.9	35.3	57.5	64.8	66.1	143
Ehmke Seed	ThunderGreen	R	17-Apr	17.9	33.3	57.7	68.8	69.0	154
Curtis and Curtis	Smoothgrazer	W/T	17-Apr	14.2	38.0	61.2	60.8	61.4	120
Ehmke Seed	ThundercCale F	T	17-Apr	17.4	34.2	55.5	66.4	66.7	150
UNL Husker Genetics	NB 10444	B	10-Apr	19.3	26.4	46.8	81.4	76.7	224
TriCal Forage	SY TF 135	T	10-Apr	15.6	33.2	54.5	70.8	70.2	166
Ehmke Seed	Short Beard Thunder	T	10-Apr	16.7	27.9	49.3	76.8	74.5	201
Sharp Brothers Seed Co.	Trical 135	T	10-Apr	15.2	34.0	56.5	67.9	68.6	154
TriCal Forage	Trical 336	T	10-Apr	17.8	30.7	52.0	71.6	71.4	177
UNL Husker Genetics	NT 06422	T	10-Apr	18.3	27.8	49.0	76.1	74.6	201
UNL Husker Genetics	NT 07403	T	10-Apr	16.0	31.4	53.8	69.6	71.1	169
TriCal Forage	NS 09PG105	T	10-Apr	15.6	34.1	55.9	68.4	68.1	155
UNL Husker Genetics	NB 10425	B	10-Apr	19.8	24.9	44.0	86.1	79.1	249
UNL Husker Genetics	426 GT	T	10-Apr	14.9	34.2	56.1	66.2	66.8	154
	Trial Mean			15.3	35.1	57.3	65.5	66.1	146
	LSD (0.05)			2.0	2.0	2.0	2.0	2.0	2
	CV			8.7	6.3	4.6	5.6	4.0	11.1
	F Test			<.0001	<.0001	<.0001	<.0001	<.0001	<.0001

<sup>†</sup>B=barley; T=triticale; W=wheat; R=Rye

Plots were harvested at Feekes stage 10.0-10.3; 10.0=sheath of flag leaf completely grown out, ear not visible; 10.3=half of heading process complete.

\*\*\* Highest numerical value in the column.

Unless otherwise indicated, all entries planted at 100 lb/ac rate.