

Table 1. Winter Annual Small Grain Forages, 2014-2015, Agricultural Science Center at Clovis

Investigators: B. Niece, M.A. Marsalis, A. Scott, and A. Mesbah

Test Description

Location:	Management Practices:	Growing Conditions:		
County/Area: Curry	Previous Crop: fallow	Average		
Longitude: -103.22	Planting Date: 15-Oct	Temp.	Precip.	Irrigation
Latitude: 34.60	<i>Forage Harvest - Single harvest per plot</i>	°F	in.	in.
Elevation: 4435 ft.	Harvest Dates: 17-Apr to 8-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.	Production Inputs:			
	Rate			
	lb/ac			
	Date			
Test Design:	Fertilizer:			
Replications 3	Nitrogen 19	October 60 0.35 1.70		
Plot Length: 10 ft.	Nitrogen 30	November 41 0.22 1.20		
Plot Width: 6.73 ft.	P 30	December 38 0.04 0.00		
Rows per Plot: 11	S 3.8	January 31 1.23 0.00		
Drill Row Spacing: 6.25 in.	Zn 2 qt/ac	February 38 0.64 0.78		
	Nitrogen 85	March 45 0.61 3.30		
	S 15	April 53 0.61 5.80		
	Herbicides:	May† 58 2.41 0.00		
Seeding Rate:	Affinity BroadSpec 0.6 oz/ac	†May 1-8		
All Entries: 100 lb/a	Lo-Vol 6 12.0 oz/ac	Seasonal Precipitation 6.11 in.		
	Insecticides:	Total Irrigation 12.78 in.		
Field Notes:	Lorsban 1 pt/ac			

Table 2. Forage Harvest - Winter Annual Small Grain Forages - 2014-2015 Various Dates - NMSU Agricultural Science Center at Clovis

Company Name	Variety Name	Species [†]	Harvest Date	Dry	65%	Moisture	Milk/Ton	Milk/Acre
				Forage	Moisture Forage	at Harvest		
				T/ac	T/ac	%	lb/ton	lb/ac
Ehmke Seed	ThunderTall	T	8-May	7.6 ***	21.7 ***	80.7	2735	20701 ***
Watley Seed Co.	SlickTrit II	T	8-May	7.6 ***	21.6 *	81.8 *	2582	19556 *
Curtis & Curtis Seed	X3	T	8-May	7.3 *	20.9 *	79.1	2476	18112 *
Curtis & Curtis Seed	Smoothgrazer Plus	W/T	8-May	7.3 *	20.8 *	79.2	2545	18564 *
Curtis & Curtis Seed	Smoothgrazer	W/T	8-May	7.1 *	20.4 *	77.9	2395	17105 *
Watley Seed Co.	SlickTrit	T	8-May	6.9 *	19.7 *	79.5	2615	18165 *
Curtis & Curtis Seed	Maximizer Plus	W/T	8-May	6.9 *	19.7 *	80.1	2539	17507 *
Curtis & Curtis Seed	Maximizer	W/T	8-May	6.8 *	19.3 *	79.6	2397	16262
Watley Seed Co.	WS-5	T	8-May	6.6 *	18.8 *	80.5	2528	16512
Ehmke Seed	ThunderTall II	T	8-May	6.3 *	18.0 *	79.5	2635	16624
Curtis & Curtis Seed	X2	T	8-May	6.3 *	17.9 *	82.4 *	2575	16136
Curtis & Curtis Seed	X4	T	8-May	6.2 *	17.7 *	75.4	2437	15052
Ehmke Seed	ThunderCale V	T	29-Apr	5.8	16.7	82.0 *	3253 *	18925 *
Ehmke Seed	ThunderCale MAES	T	29-Apr	5.8	16.5	81.2 *	3361 *	19320 *
Agricultural Development Co.	60 A	T	29-Apr	5.5	15.8	81.3 *	2761	15117
Ehmke Seed	ThunderCale	T	22-Apr	5.2	14.8	82.4 *	3260 *	16946 *
Ehmke Seed	ThunderCale F	T	29-Apr	5.2	14.8	80.5	3278 *	17002 *
Ehmke Seed	Short Beard Thunder	T	22-Apr	5.0	14.3	82.0 *	3470 *	17328 *
Ehmke Seed	ThunderGreen II	R	17-Apr	4.7	13.5	83.8 ***	3437 *	16236
Ehmke Seed	ThunderGreen DL	R	17-Apr	4.5	13.0	83.8 ***	3496 ***	15858
Trial Mean				6.2	17.8	80.6	2839	17351
LSD (0.05)				1.4	4.1	0.03	255	4004
CV				13.9	13.9	2.3	5.4	14.0
F Test				<0.0003	<0.0003	<0.0005	<0.0001	0.4298

[†]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.

* Not significantly different from the highest numerical value in the column based on the 5% LSD.

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

Table 3. Forage Harvest - Winter Annual Small Grain Forages - 2014-2015 Various Dates - NMSU Agricultural Science Center at Clovis

Company Name	Variety Name	Species [†]		Harvest Date	dNDF					RFQ
					CP	ADF	NDF	Dig. 48h	TDN	
					% of DM	% of DM	% of DM	% of NDF	% of DM	
Ehmke Seed	ThunderTall	1	T	8-May	12.9	40.6 *	63.1 *	58.2	60.2	111
Watley Seed Co.	SlickTrit II	18	T	8-May	13.5	42.2 ***	63.4 *	57.0	58.2	105
Curtis & Curtis Seed	X3	15	T	8-May	12.6	41.8 *	64.2 ***	54.9	57.0	100
Curtis & Curtis Seed	Smoothgrazer Plus	11	W/T	8-May	12.0	41.1 *	63.3 *	55.9	57.8	103
Curtis & Curtis Seed	Smoothgrazer	10	W/T	8-May	12.2	41.7 *	63.9 *	54.2	55.9	97
Watley Seed Co.	SlickTrit	17	T	8-May	13.7	39.9 *	60.9 *	56.6	58.7	110
Curtis & Curtis Seed	Maximizer Plus	13	W/T	8-May	13.1	41.9 *	63.9 *	55.7	57.8	102
Curtis & Curtis Seed	Maximizer	12	W/T	8-May	12.9	41.5 *	63.3 *	54.0	56.0	98
Watley Seed Co.	WS-5	19	T	8-May	13.8	41.6 *	63.2 *	55.6	57.6	103
Ehmke Seed	ThunderTall II	2	T	8-May	13.8	40.5 *	61.8 *	56.1	59.0	108
Curtis & Curtis Seed	X2	14	T	8-May	13.2	40.9 *	61.7 *	55.8	58.2	106
Curtis & Curtis Seed	X4	16	T	8-May	12.6	39.4 *	61.3 *	54.2	56.5	102
Ehmke Seed	ThunderCale V	4	T	29-Apr	15.1	33.0	52.6	65.0	66.6 *	154
Ehmke Seed	ThunderCale MAES	9	T	29-Apr	15.5	30.1	50.3	65.2	68.1 *	163 *
Agricultural Development	60 A	20	T	29-Apr	14.5	38.1 *	57.5	59.7	60.3	123
Ehmke Seed	ThunderCale	3	T	22-Apr	14.9	31.9	51.9	64.2	66.8 *	154
Ehmke Seed	ThunderCale F	5	T	29-Apr	14.5	32.2	51.7	63.8	67.1 *	155
Ehmke Seed	Short Beard Thunder	6	T	22-Apr	15.7	29.7	49.2	68.5 ***	69.2 *	174 ***
Ehmke Seed	ThunderGreen II	7	R	17-Apr	17.2 *	32.2	53.3	66.3 *	69.0 *	160 *
Ehmke Seed	ThunderGreen DL	8	R	17-Apr	19.2 ***	30.9	51.0	66.9 *	69.8 ***	168 *
Trial Mean					14.1	37.6	58.6	59.4	61.5	125
LSD (0.05)					2.4	2.7	3.3	2.9	3.3	15
CV					9.6	4.4	3.5	3.0	3.2	7.2
F Test					<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001

[†]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.

* Not significantly different from the highest numerical value in the column based on the 5% LSD.

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