

Table 1. Winter Annual Small Grain Forages, 2013-2014, Agricultural Science Center at Clovis

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Test Description		Management Practices:		Growing Conditions:		
Location:		Previous Crop: fallow		Average		
County/Area: Curry		Planting Date: 9-Oct		Temp.		
Longitude: -103.22		Forage Harvest - Single harvest per plot		°F		
Latitude: 34.60		Harvest Dates: 24-Apr to 9-May		Precip.		
Elevation: 4435 ft.		(Mechanically harvested all of each plot based on stage of maturity. Clipping height was 1 to 2 in.)		Irrigation		
Soil Name: Olton		Production Inputs:		in.		
Soil Texture: clay loam		Rate		in.		
Soil Depth: >60 in.		Fertilizer:		in.		
Test Design:		Nitrogen		October		
Replications		Nitrogen		November		
3		P₂O₅		December		
Plot Length: 10 ft.		Zn		January		
Plot Width: 6.73 ft.		S		February		
Rows per Plot: 11				March		
Drill Row Spacing: 6.25 in.				April		
				May+		
Seeding Rate:				tMay 1-9		
All Entries: 100 lb/a		Herbicides:		Seasonal Precipitation		
2 Entries: 70 lb/a		Affinity BroadSpec		Total Irrigation		
		Lo-Vol 6		1.86 in.		
		Prowl H2O		20.10 in.		
Field Notes:		Insecticides:				
		Lorsban				
		1 pt/ac				
		14-Mar				

Table 2. Forage Harvest - Winter Annual Small Grain Forages - 2013-2014 Various Dates - NIMSU Agricultural Science Center at Clovis

Company Name	Variety Name	Species †	Harvest Date	Dry Forage T/ac	65% Moisture		Harvest %	Milk/Ton lb/ton	Milk/Acre lb/ac
					Moisture Forage T/ac	at Harvest %			
Watley Seed Co.	SlickTrit II	T	9-May	4.9 ***	14.0 ***	77.0	3299	16192 ***	
		T/W	6-May	4.9 ***	13.9 *	75.9	3246	15797 *	
Curtis & Curtis Seed	ThunderCale V	T	28-Apr	4.8 *	13.6 *	78.2	3306	15703 *	
		T	6-May	4.7 *	13.4 *	79.2	3258	15229 *	
Ehmke Seed	ThunderTall	T	6-May	4.6 *	13.3 *	79.6	3311	15374 *	
		T	6-May	4.3	12.4	78.4	3147	13687	
Watley Seed Co.	Maximizer Plus	T/W	28-Apr	4.2	12.1	77.0	3300	14013	
		T	1-May	4.2	12.0	77.8	3298	13900	
Watley Seed Co.	Maximizer	W/T	28-Apr	4.1	11.8	74.8	3254	13413	
		T	28-Apr	4.1	11.7	77.8	3324	13597	
Watley Seed Co.	ThunderCale F	T	1-May	4.1	11.6	76.9	3197	12970	
		T	24-Apr	4.0	11.4	79.2	3299	13186	
Ehmke Seed	ThunderCale	T	28-Apr	4.0	11.4	76.7	3267	12999	
		T	28-Apr	3.9	11.1	75.3	3339	12945	
Watley Seed Co.	Smoothgrazer	W/T	1-May	3.7	10.6	77.1	3390	12570	
		T	1-May	3.7	10.5	81.4 *	3750	13743	
Agricultural Development Co.	Verdant Barley	B	6-May	3.7	10.5	77.2	3361	12299	
		T	28-Apr	3.6	10.4	71.0	3398	12395	
Curtis & Curtis Seed	X7	W	1-May	3.6	10.2	78.2	3411	12160	
		T	28-Apr	3.5	9.9	79.0	3459	11949	
Watley Seed Co.	Awnless ThunderCale	T	24-Apr	3.1	8.9	79.7	3388	10513	
		W	9-May	3.0	8.6	79.0	3495	10490	
Agricultural Development Co.	Cowboy Wheat (70 lb/ac)	W	9-May	3.0	8.4	82.8 ***	4069 ***	12033	
		B	1-May	3.0	8.4	82.8 ***	4069 ***	12033	
Agricultural Development Co.	Verdant Barley (70 lb/ac)	W	9-May	3.0	8.4	82.8 ***	4069 ***	12033	
		B	1-May	3.0	8.4	82.8 ***	4069 ***	12033	
				Trial Mean	4.0	11.4	77.8	3372	13354
				LSD (0.05)	0.4	1.0	2.5	203	1202
				CV	5.5	5.5	2.0	3.7	5.5
				F Test	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001

T=barley; W=wheat

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 - 2013-2014 Various Dates - NMSU Agricultural Science Center at Clovis

Company Name	Variety Name	Species [†]	Harvest Date	CP		ADF		NDF		dNDF		TDN	RFQ
				% of DM	% of DM	% of DM	% of DM	% of DM	% of DM	% of DM	% of DM		
Watley Seed Co.	SlickTrit II	T	9-May	17.0	30.7 *	52.2 *	63.0	67.5 -	153 -				
Curtis & Curtis Seed	Smoothgrazer Plus	T/W	6-May	16.5	30.5 *	50.3 *	61.2	66.9	154				
Ehmke Seed	ThunderCale V	T	28-Apr	15.9	30.3 *	50.1	64.0	67.5	160				
Watley Seed Co.	WS-5 <i>70% I 30% II</i>	T	6-May	17.2	31.9 *	53.0 ***	62.9	66.9 -	150 -				
Ehmke Seed	ThunderTail	T	6-May	17.0	31.8 *	52.6 *	63.9	67.5	154				
Watley Seed Co.	SlickTrit	T	6-May	16.6	32.0 ***	52.9 *	60.4	65.7	144				
Curtis & Curtis Seed	Maximizer Plus	T/W	28-Apr	17.5	28.8	48.6	61.2	67.7	161				
Watley Seed Co.	WS-6 <i>70 I 30% II 718</i>	T	1-May	17.5	29.6	49.8	62.3	67.5 -	159 *				
Curtis & Curtis Seed	Maximizer	W/T	28-Apr	17.0	28.6	48.3	59.7	67.2	159				
Ehmke Seed	ThunderCale F	T	28-Apr	17.8	27.8	47.4	61.3	68.0	165				
Watley Seed Co.	WS-3 <i>718</i>	T	1-May	16.5	31.4 *	50.9 *	60.0	66.4 -	150 -				
Ehmke Seed	ThunderCale	T	24-Apr	16.8	30.3 *	49.5	60.3	67.8	157				
Curtis & Curtis Seed	X5	T	28-Apr	16.7	30.0 *	51.3 *	62.2	67.1	154				
Watley Seed Co.	WS-7 <i>7-23</i>	T	28-Apr	18.2	27.9	47.9	63.0	68.0 -	166 -				
Curtis & Curtis Seed	Smoothgrazer	W/T	1-May	17.5	28.4	48.0	64.2	68.6	170				
Agricultural Development (Verdant Barley)	X6	B	6-May	19.2	27.6	45.6	71.6	72.8	200				
Curtis & Curtis Seed	X6	T	28-Apr	17.1	29.4	49.6	64.3	68.2	164				
Curtis & Curtis Seed	X7	W	1-May	16.2	25.0	43.3	60.8	69.1	181				
Watley Seed Co.	WS-4 <i>Texan</i>	T	28-Apr	18.4	29.2	49.2	65.0	68.8 -	168 -				
Ehmke Seed	Awnless ThunderCale	T	24-Apr	17.6	28.0	47.4	64.0	69.6	173				
Agricultural Development (Cowboy Wheat)		W	9-May	18.6	30.4 *	50.1	66.4	68.3	166				
Agricultural Development (Cowboy Wheat (70 lb/ac))		W	9-May	19.5 *	29.2	49.0	68.4	69.6	176				
Agricultural Development (Verdant Barley (70 lb/ac))		B	1-May	20.8 ***	23.8	41.5	79.6 ***	76.5 ***	240 ***				
	Trial Mean			17.5	29.2	49.1	63.9	68.4	166				
	LSD (0.05)			1.5	2.1	2.8	4.2	2.4	17				
	CV			5.2	4.3	3.4	4.1	2.2	6.4				
	F Test			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001				

T=barley; T=triticale; W=wheat

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.

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