

Table 1. Winter Annual Small Grain Forages, 2018-2019, Agricultural Science Center at Clovis

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

Test Description

<p>Location:</p> <p>County/Area: Curry Longitude: -103.22 Latitude: 34.60 Elevation: 4435 ft. Soil Name: Olton Soil Texture: clay loam Soil Depth: >60 in.</p> <p>Test Design:</p> <p>Replications: 3 Plot Length: 5 ft. Plot Width: 6.73 ft. Rows per Plot: 11 Drill Row Spacing: 6.25 in.</p> <p>Seeding Rate:</p> <p>All Entries: 100 lb/a</p> <p>Field Notes:</p>	<p>Management Practices:</p> <p>Previous Crop: fallow Planting Date: 21-Nov <u>Forage Harvest - Single harvest per plot</u> Harvest Dates: 2-May to 24-May (Mechanically harvested all of each plot based on stage of maturity. Clipping height was 1 to 2 in.)</p> <p>Production Inputs:</p> <table border="0"> <thead> <tr> <th></th> <th>Rate</th> <th>Date</th> </tr> <tr> <th></th> <th>lb/ac</th> <th></th> </tr> </thead> <tbody> <tr> <td colspan="3">Fertilizer:</td> </tr> <tr> <td>Nitrogen</td> <td>33</td> <td>carryover</td> </tr> <tr> <td>Nitrogen</td> <td>35 lb/ac</td> <td>29-Sep</td> </tr> <tr> <td>P₂O₅</td> <td>30 lb/ac</td> <td>29-Sep</td> </tr> <tr> <td>S</td> <td>4.7 lb/ac</td> <td>29-Sep</td> </tr> <tr> <td>Nitrogen</td> <td>73 lb/ac</td> <td>28-Feb</td> </tr> <tr> <td>S</td> <td>13 lb/ac</td> <td>28-Feb</td> </tr> <tr> <td colspan="3">Herbicides:</td> </tr> <tr> <td>Govern</td> <td>1 pt/ac</td> <td>25-Mar</td> </tr> <tr> <td>Lo-Vol 6</td> <td>12.0 oz/ac</td> <td>25-Mar</td> </tr> <tr> <td>Prowl H₂O</td> <td>3 pt/ac</td> <td>25-Mar</td> </tr> <tr> <td>Affinity BS</td> <td>0.6 oz/ac</td> <td>25-Mar</td> </tr> <tr> <td colspan="3">Insecticides:</td> </tr> </tbody> </table>		Rate	Date		lb/ac		Fertilizer:			Nitrogen	33	carryover	Nitrogen	35 lb/ac	29-Sep	P ₂ O ₅	30 lb/ac	29-Sep	S	4.7 lb/ac	29-Sep	Nitrogen	73 lb/ac	28-Feb	S	13 lb/ac	28-Feb	Herbicides:			Govern	1 pt/ac	25-Mar	Lo-Vol 6	12.0 oz/ac	25-Mar	Prowl H ₂ O	3 pt/ac	25-Mar	Affinity BS	0.6 oz/ac	25-Mar	Insecticides:			<p>Growing Conditions:</p> <table border="1"> <thead> <tr> <th></th> <th>Average</th> <th></th> <th></th> </tr> <tr> <th></th> <th>Temp.</th> <th>Precip.</th> <th>Irrigation</th> </tr> <tr> <th></th> <th>°F</th> <th>in.</th> <th>in.</th> </tr> </thead> <tbody> <tr> <td>November</td> <td>43.0</td> <td>0.17</td> <td>0.90</td> </tr> <tr> <td>December</td> <td>27.5</td> <td>0.14</td> <td>0.40</td> </tr> <tr> <td>January</td> <td>38.5</td> <td>0.16</td> <td>0.60</td> </tr> <tr> <td>February</td> <td>41.4</td> <td>0.18</td> <td>1.00</td> </tr> <tr> <td>March</td> <td>45.7</td> <td>1.11</td> <td>1.20</td> </tr> <tr> <td>April</td> <td>56.0</td> <td>2.49</td> <td>2.80</td> </tr> <tr> <td>May†</td> <td>63.2</td> <td>0.74</td> <td>3.60</td> </tr> <tr> <td colspan="4">†May 1-24</td> </tr> <tr> <td>Seasonal Precipitation</td> <td></td> <td>4.99 in.</td> <td></td> </tr> <tr> <td>Total Irrigation</td> <td></td> <td>10.50 in.</td> <td></td> </tr> </tbody> </table>		Average				Temp.	Precip.	Irrigation		°F	in.	in.	November	43.0	0.17	0.90	December	27.5	0.14	0.40	January	38.5	0.16	0.60	February	41.4	0.18	1.00	March	45.7	1.11	1.20	April	56.0	2.49	2.80	May†	63.2	0.74	3.60	†May 1-24				Seasonal Precipitation		4.99 in.		Total Irrigation		10.50 in.	
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Table 2. Forage Harvest - Winter Annual Small Grain Forages - 2018-2019 - NMSU Agricultural Science Center at Clovis

Company Name	Variety Name	Species [†]	Harvest Date	Dry	65%	Moisture
				Forage T/ac	Forage T/ac	at Harvest %
Watley Seed Co.	Slicktrit II	T	24-May	6.8 ***	19.3 ***	76.3
Sharp Brothers Seed Co.	Trit 813	T	17-May	6.4 *	18.2 *	82.7 *
Ehmke Seed	Thunder Tall II	T	24-May	6.1 *	17.4 *	77.0
Sharp Brothers Seed Co.	Trit Flex 719	T	14-May	6.1 *	17.3 *	78.7
Ehmke Seed	Thunder Tall	T	17-May	5.8 *	16.6 *	81.3
Curtis and Curtis Seed	Smooth Grazer Plus	W/T	14-May	5.4	15.4	82.3 *
Curtis and Curtis Seed	Trical 813	T	14-May	5.1	14.5	81.7 *
Curtis and Curtis Seed	Bearded Trit	T	20-May	5.1	14.5	78.0
Curtis and Curtis Seed	Smooth Grazer	W/T	14-May	5.0	14.4	80.3
Texas A&M Agrilife	tx14vt70526	T	8-May	5.0	14.2	83.3 *
Curtis and Curtis Seed	Trical 348	T	14-May	4.9	13.9	82.3 *
Texas A&M Agrilife	tx16vt68295	T	8-May	4.8	13.7	81.7 *
Texas A&M Agrilife	tx12vt8222-4	T	8-May	4.7	13.5	81.7 *
Agri Pro	Bob Dole	W	8-May	4.7	13.4	78.7
Ehmke Seed	Thunder Cale V	T	8-May	4.6	13.0	83.0 *
Ehmke Seed	Thunder Cale	T	8-May	4.5	12.9	84.0 ***
Texas A&M Agrilife	tx14vt70473	T	8-May	4.4	12.7	81.0
Dyna-Gro	Underwood	W	8-May	4.4	12.6	79.3
Ehmke Seed	Short Beard Thunder	T	8-May	4.4	12.5	83.3 *
Ehmke Seed	Fredro	T	8-May	4.3	12.3	83.0 *
Watley Seed Co.	Tam 112	W	8-May	4.3	12.3	78.3
Sharp Brothers Seed Co.	Trit 135	T	8-May	4.3	12.3	83.3 *
Agri Pro	SY Grit	W	2-May	4.0	11.4	79.0
Ehmke Seed	Thunder Green	R	2-May	4.0	11.4	83.7 *
Texas A&M Agrilife	tx14vt70446	T	8-May	4.0	11.3	82.0 *
Curtis and Curtis Seed	Beardless wheat	W	8-May	3.9	11.1	80.0
Dyna-Gro	Long Branch	W	8-May	3.7	10.6	80.7
Agri Pro	SY Wolverine	W	8-May	3.7	10.5	79.3
Texas A&M Agrilife	tx14vt70487	T	2-May	3.5	10.1	83.0 *
Watley Seed Co.	Tam 204	W	8-May	3.4	9.7	80.7
Agri Pro	SY Monument	W	8-May	3.1	8.9	79.7
Trial Mean				4.6	13.3	80.9
LSD (0.05)				1.0	2.8	0.03
CV				13.1	13.1	1.9
F Test				<.0001	<.0001	<.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.