

Table 1. Winter Annual Small Grain Forages, 2007-2008, Agricultural Science Center at Artesia

Investigators: L. Carrasco, F.E. Contreras-Govea

Test Description

<p>Location: County/Area: Eddy Longitude: -104.38 Latitude: 32.75 Elevation: 3348 ft. Soil Name: Reagan Soil Texture: clay loam Soil Depth: >60 in.</p> <p>Test Design: Replications: 4 Plot Length: 25 ft. Plot Width: 4 ft. Rows per Plot: 4 Drill Row Spacing: 12 in.</p> <p>Seeding Rate: All Entries: 100 lb/a</p>	<p>Management Practices: Previous Crop: Cotton Planting Date: 1-Nov <u>Forage Harvest - Single harvest per plot</u> Harvest Dates: 28-May (Mechanically harvested all same time maturity ranged from soft-dough to dough stage) <u>All plots were damaged by hail before harvest in May</u> Clipping height= 2</p> <hr/> <p>Production Inputs</p> <table border="1"> <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>Fertilizer:</td> <td></td> <td></td> </tr> <tr> <td>Nitrogen</td> <td>25</td> <td>January 31 2008</td> </tr> </tbody> </table> <p>Herbicides:</p> <p>Insecticides:</p>		Rate	Date		lb/ac		Fertilizer:			Nitrogen	25	January 31 2008	<p>Growing Conditions:</p> <table border="1"> <thead> <tr> <th></th> <th>Average Temp. °F</th> <th>Precip. in.</th> <th>Irrigation in.</th> </tr> </thead> <tbody> <tr><td>October</td><td>62.9</td><td>0.12</td><td>0.00</td></tr> <tr><td>November</td><td>49.5</td><td>0.55</td><td>4.93</td></tr> <tr><td>December</td><td>42.9</td><td>0.89</td><td>0.00</td></tr> <tr><td>January</td><td>38.6</td><td>0.00</td><td>0.00</td></tr> <tr><td>February</td><td>46.6</td><td>0.20</td><td>3.21</td></tr> <tr><td>March</td><td>52.4</td><td>0.11</td><td>2.35</td></tr> <tr><td>April</td><td>59.0</td><td>0.00</td><td>1.79</td></tr> <tr><td>May</td><td>68.9</td><td>1.00</td><td>0.00</td></tr> </tbody> </table> <p>Seasonal Precipitation: 2.87 in. Total Irrigation: 12.28 in.</p>		Average Temp. °F	Precip. in.	Irrigation in.	October	62.9	0.12	0.00	November	49.5	0.55	4.93	December	42.9	0.89	0.00	January	38.6	0.00	0.00	February	46.6	0.20	3.21	March	52.4	0.11	2.35	April	59.0	0.00	1.79	May	68.9	1.00	0.00
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Table 2. Forage Harvest - Winter Annual Small Grain Forages - 2007-2008 - NMSU Agricultural Science Center at Artesia

Company Name	Variety Name	Species [†]	Harvest Date	Green Forage T/ac	Dry matter		Milk/Ton lb/ton	Milk/Acre lb/ac
					Dry Forage T/ac	at Harvest %		
Resource Seeds, Inc.	202718att	T	28-May	9.2 *	4.0 ***	43.8	2423	9742 ***
Resource Seeds, Inc.	202765am	T	28-May	9.2 *	3.9 *	42.5	2438	9415
Resource Seeds, Inc.	04TF113	T	28-May	8.8 *	3.8 *	43.0	2394	8923
Warner Seed, Inc.	Triplecale	T	28-May	9.6 ***	3.7 *	38.9	2588	9618
Resource Seeds, Inc.	05TG191a	T	28-May	8.7 *	3.6 *	41.4	2693 ***	9722
Curtis & Curtis, Inc.	Maximizer B	W/T	28-May	8.1 *	3.3 *	41.1	2457	8135
Warner Seed, Inc.	Pounds Plus B	T/W/O	28-May	7.8	3.3 *	42.5	2508	8261
Curtis & Curtis, Inc.	Smoothgrazer	W/T	28-May	6.5	3.2	49.2	2408	7669
Curtis & Curtis, Inc.	Maximizer A	W/T	28-May	6.3	2.9	47.0	2415	7082
		Trial Mean	28-May	8.2	3.5	43.3	2480.3	8729.6
		LSD (0.05)		1.65	0.76	3.05	235	1691
		CV		13.7	14.8	4.8	6.5	13.3
		F Test		0.0022	0.1038	<.0001	0.1927	0.0215

[†]O=oat; R=rye; T=triticale; W=wheat

All plots were harvested at Feekes stage 11=Ripening.

*** Highest numerical value in the column.

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

Table 3. Forage Harvest - Winter Annual Small Grain Forages - 2007-2008 - NMSU Agricultural Science Center at Artesia

Company Name	Variety Name	Species [†]	Harvest Date	CP	ADF	NDF	dNDF	Non-Fiber Carb.	TDN	NE _i
				% of DM	% of DM	% of DM	% of NDF	% of DM	% of DM	Mcals/lb
Resource Seeds, Inc.	202718att	T	28-May	9.40	38.3 ***	60.9 ***	52.1	22.5	56.6	0.58
Resource Seeds, Inc.	202765am	T	28-May	9.37	37.6	59.7	51.6	23.8	56.9	0.58
Resource Seeds, Inc.	04TF113	T	28-May	9.30	37.5	59.8	51.2	23.4	56.3	0.57
Warner Seed, Inc.	Triplecale	T	28-May	9.42	36.5	59.1	54.3 ***	24.1	58.6	0.60
Resource Seeds, Inc.	05TG191a	T	28-May	10.38 ***	34.0	55.8	53.7	26.8	60.2	0.62
Curtis & Curtis, Inc.	Maximizer B	W/T	28-May	9.86	37.6	60.0	52.5	22.5	57.0	0.58
Warner Seed, Inc.	Pounds Plus B	T/W/O	28-May	8.92	35.8	57.3	52.0	25.9	57.8	0.59
Curtis & Curtis, Inc.	Smoothgrazer	W/T	28-May	9.56	35.8	57.1	50.2	25.5	56.7	0.58
Curtis & Curtis, Inc.	Maximizer A	W/T	28-May	8.71	35.8	57.8	50.3	26.0	56.7	0.58
Trial Mean				9.1	35.8	57.5	50.2	25.7	56.7	0.6
LSD (0.05)				1.01	2.39	3.27	2.88	1.91	2.91	0.03
CV				7.4	4.5	3.8	3.8	5.3	3.5	3.9
F Test				0.0959	0.0284	0.0615	0.094	0.0003	0.1889	0.2092

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