



Small Grain Variety Evaluation for Forage Production

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Table 2. Spring Grazing Small Grain Forage Variety Performance – 2009-2012

Variety	Mar. 2010 Menard Irr.	Mar. 2010 Millersview	Mar. 2011 Millersview	Mar. 2012 Millersview	Dryland average
Wheat					
Weathermaster 135*	1932	434	90	1278	601
TAM 401*	1322	404	59	1684	716
TAM 203	2086	348	102	1459	636
Sturdy 2K	1544	300	97	1234	544
Fannin	1988	485	71	1776	777
Pete*	1493	241	124	-	-
Deliver*	1269	286	83	1511	627
Duster	1908	399	-	-	-
Doans	1802	301	-	-	-
Coronado	1317	380	-	-	-
TAM 305	1079	465	73	-	-
TAM 113	1500	357	-	-	-
Oats					
TAMO 406	2149	784	-	1292	-
Walken	1788	859	-	1970	606
TAMO 606	1815	841	-	1446	-
Horizon 314	1884	801	-	-	-
Nora	1680	832	-	-	-
Bob	-	-	-	1191	559
Barley					
P-919*	1866	706	55	2019	927
TAMbar 501	1555	808	57	1177	681
Dan	1531	491	-	-	-
Triticale					
TAMcale 6331	1892	444	74	2066	861
TAMcale 5019	1294	351	85	1262	566
AGRFS	1828	340	-	-	-
Rye					
Elbon	-	473	68	-	-
Mayton II	-	-	-	848	-
Average	1674	505	79	1480	694

(*) denotes a beardless variety



Fig. 2 5 X 20 ft. small grain forage plots, barley, plot on the left; oats, center; and triticale plot on the right. The oat plot has been clipped in the foreground and shows the reduction of height associated with forage removal.

Introduction

Cool season forage production from small grains is an important feed source for the livestock on the Edwards Plateau. There is a large diversity of species and improved varieties available for planting including wheat, oats, barley, triticale, and rye. Yield information is needed for research based planting recommendations.

Materials and Methods

Multiple replicated forage production plots were established in September during the years 2009-2011. Dryland locations were seeded at Millersview, San Angelo, and Abilene, TX. One irrigated location was established in Menard, TX in 2009. Plots were hand clipped in December, February, and March as simulated grazing and forage production was measured. Hay production information was collected from a May harvest. Plots at Millersview, TX were also harvested for grain in 2010 and 2012 to generate dual purpose production data.

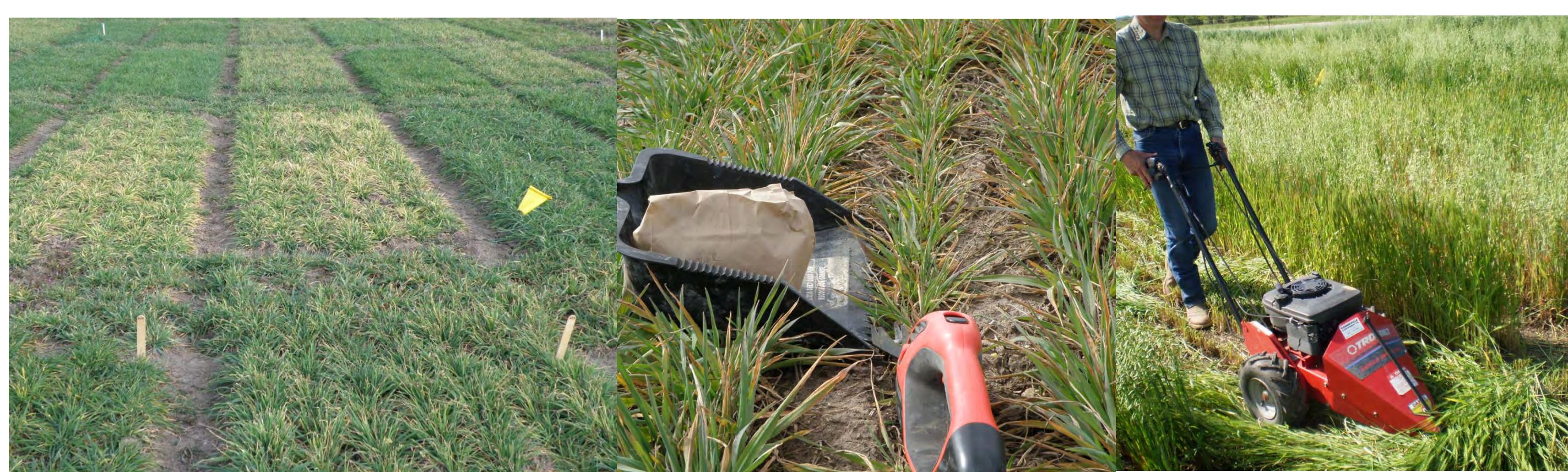


Fig. 1 5 X 20 ft. small grain forage plots, clipping of forage in winter and early spring to simulate grazing and mowing for simulated hay production.

Table 1. Fall Grazing Small Grain Forage Variety Performance – 2009-2011

Variety	Dec. 2009 Menard Irr.	Dec. 2009 Millersview	Dec. 2010 San Angelo	Jan. 2012 San Angelo	Dryland average
Wheat					
Weathermaster 135*	2252	-	597	-	-
Abilene Ag. Exp.*	-	-	749	820	785
TAM 401*	1364	-	390	1003	670
TAM 203	2363	-	-	-	-
Sturdy 2K	1938	-	-	-	-
Fannin	1951	930	569	1328	942
Pete*	2154	-	-	-	-
Deliver*	2090	-	-	904	-
Duster	2131	-	-	-	-
Doans	1785	-	-	-	-
Coronado	1560	-	-	-	-
TAM 305	2222	-	-	-	-
TAM 113	1411	-	-	-	-
Oats					
TAMO 406	2235	-	-	-	-
Walken	2212	-	517	694	606
TAMO 606	2065	-	-	-	-
Horizon 314	2574	-	-	-	-
Nora	2044	-	-	-	-
Bob	-	-	307	810	559
Barley					
P-919*	2396	-	-	-	-
TAMbar 501	2160	-	-	-	-
Dan	2145	-	-	-	-
Triticale					
TAMcale 6331	1663	-	-	-	-
TAMcale 5019	1555	-	-	-	-
AGRFS	2303	-	-	-	-
Rye					
Elbon	-	-	-	-	-

(*) denotes a beardless variety

Table 3. Small Grain Hay Production Variety Performance – 2009-2012

Variety	May 2010 Menard Irr.	May 2010 Millersview	Mar. 2011 Millersview	May 2012 Millersview	Dryland average
Wheat					
Weathermaster 135*	5109	4433	-	3860	4147
TAM 401*	4558	3291	-	4605	3948
Fannin	5454	5719	-	3719	4719
Pete*	6999	3886	-	-	-
Deliver*	7000	5156	-	3618	4387
Oats					
TAMO 406	6803	4852	-	4767	4810
Walken	6474	4382	-	3730	4056
TAMO 606	5399	3136	-	5006	4071
Horizon 314	4522	4384	-	-	-
Nora	3777	3464	-	-	-
Bob	-	-	-	3400	-
Barley					
P-919*	7113	4759	-	5239	4999
Triticale					
TAMcale 6331	6971	5725	-	2558	4142
TAMcale 5019	5204	4840	-	2911	3876
AGRFS	7906	4622	-	-	-
Rye					
Elbon	-	3266	-	-	-
Mayton II	-	-	-	6000	-
Average	5949	4394	-	4118	4315

(*) denotes a beardless variety

Variety Testing Information
Department of Soil & Crop Sciences - College of Agriculture and Life Sciences
370 Olsen Blvd., College Station, TX 77843-2474, 979-845-3041

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Variety Trials

- Wheat Variety Trials
- Oat Variety Trials
- Small Grains Forage Trials

Plant Variety Protection

- The Plant Variety Protection Act

Wheat Survey Results

- 2009 Wheat Survey Summary

Newsletters

- wheat Newsletters

Production Practices

- Wheat Production Practices

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