



## Cheyenne County 2024 Winter Annual Forage Variety Trials

Name	Company	Species	First Cutting Forage Yield (ton/ac) <sup>1</sup>	Second Cutting Forage Yield (ton/ac)	Plant Height (in)
<b>H10129</b>	KWS	Hybrid Rye	<b>10.003</b>	<b>9.740</b>	39.1
<b>Progas</b>	KWS	Hybrid Rye	8.440	<b>8.360</b>	39.5
<b>Aviator</b>	KWS	Hybrid Rye	8.087	<b>8.623</b>	<b>44.8</b>
<b>NT14433</b>	UNL	Triticale	7.823	6.937	39.8
<b>H238</b>	KWS	Hybrid Rye	7.820	<b>8.993</b>	<b>43.4</b>
<b>H240</b>	KWS	Hybrid Rye	7.810	<b>9.883</b>	<b>44.4</b>
<b>NT03T416</b>	UNL	Triticale	7.380	7.563	33.3
<b>NT21406</b>	UNL	Triticale	7.350	7.357	34.9
<b>Montech</b>	Green Cover Seed	Triticale	7.307	7.790	37.9
<b>Wesley</b>	NuHorizon Genetics	Wheat Check	6.910	6.510	31.5
<b>NT441</b>	UNL	Triticale	6.860	6.580	35.2
<b>NT17442</b>	UNL	Triticale	6.740	8.193	38.3
<b>NT21436</b>	UNL	Triticale	6.633	7.617	37.4
<b>NT19443</b>	UNL	Triticale	5.883	7.597	35.9
<b>SYTF813</b>	Green Cover Seed	Triticale	5.790	6.633	35.2
<b>Standard Error</b>			0.846	0.961	2.9
<b>LSD<sup>2</sup></b>			1.439	1.635	4.9
<b>Mean<sup>3</sup></b>			7.389	7.892	38.0
<b>CV<sup>4</sup></b>			11.4	12.2	7.8
<b>Reps</b>			3	3	6
<b>Correlation between entries across cutting times</b>			0.67		

<sup>1</sup> Yield values corrected to 35% moisture content using hand-sample collected at time of cutting. Bolded values indicate highest LSD grouping.

<sup>2</sup> For differences between varieties that are equal to or greater than the LSD value, the chance that the difference is significant is 90%.

<sup>3</sup> Mean performance of all plots in the trial.

<sup>4</sup> Coefficient of Variation (CV) indicates the quality of a trial, and lower than 15 indicates a high quality trial. For CV>15, there was higher than expected variability in the field or the data and the results should be used with caution.

**SITE INFORMATION**

Collaborator:	UNL High Plains Ag Lab	
Planting Date:	9/29/2023	
Seeding Rate:	900,000 s/a for triticale and wheat; 850,000 s/a for hybrid rye	
Fertility:	50 lb/a 40 Rock in-furrow starter	
Herbicide:	Pre-plant burndown with 32 oz/a glyphosate and 4 oz/a 2,4D LV6	
Fungicide:	None	
Soil Type:	Keith and Alliance loams	
GPS:	41.230191, -103.0154	
Planting Info:	Drilled 1.5" decent soil moisture using a 6-row notched no-till double disk drill on 10" centers into no-till wheat fallow	
Cutting Times:	<b>Early</b>	<b>Late</b>
Harvest Date:	5/20/2024	6/11/2024
Average Growth Stage:	Feekes 10.1 Boot to early heading	Feekes 11.1 Milky ripe
Notes on Trial:	Some early fall rains created a good seed bed and early emergence in the fall, however continued drought in the spring and summer of 2024 decreased tillering and spring biomass accumulation. Plot area was uniformly infested with some grassy weeds. Harvested using a Carter Harvester on best 3 rows of the plot and weighed. Yields adjusted to 35% moisture according to hand sampled tissue collected at the time of cutting.	

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