



UNIVERSITY of NEBRASKA  
LINCOLN

## Cheyenne County Rainfed 2025 Winter Annual Forage Variety Trial

Name	Company	Crop Type	Forage Yield (lb DM/ac) <sup>i</sup>	Moisture Content at Cutting (%)	Plant Height (in)
KWS Aviator	KWS	Hybrid Rye	10,608.7	38.3	38.6
NT21406	UNL Experimental	Triticale	10,300.3	36.5	34.9
NT14407	UNL Experimental	Triticale	9,978.6	37.8	33.4
KWS Progas	KWS	Hybrid Rye	9,833.0	37.3	35.6
NT441	UNL Experimental	Triticale	9,686.0	35.9	37.4
NT19441	UNL Experimental	Triticale	9,552.1	40.2	37.1
Surge	Northern Agri Brands	Triticale	9,414.4	37.1	35.3
NT19410	UNL Experimental	Triticale	9,284.5	38.9	34.9
NE03T416-3	UNL Experimental	Triticale	9,057.2	38.0	31.9
NT22744	UNL Experimental	Triticale	9,012.0	40.2	33.7
NT21409	UNL Experimental	Triticale	8,970.2	38.6	33.4
NT22705	UNL Experimental	Triticale	8,865.1	41.1	31.4
NE12404-1	UNL Experimental	Triticale	8,856.5	40.6	31.3
NT21425	UNL Experimental	Triticale	8,840.8	41.7	37.0
NT21414	UNL Experimental	Triticale	8,814.9	40.7	30.9
NT14433	UNL Experimental	Triticale	8,708.3	40.1	36.4
NT20401	UNL Experimental	Triticale	8,587.7	42.5	32.0
NT20409	UNL Experimental	Triticale	8,576.7	43.4	34.0
NT20427	UNL Experimental	Triticale	8,530.7	39.0	32.4
NT22741	UNL Experimental	Triticale	8,505.0	39.6	33.0
NT19443	UNL Experimental	Triticale	8,490.4	39.4	32.4
NT13443	UNL Experimental	Triticale	8,476.7	39.6	35.0
NT21436	UNL Experimental	Triticale	8,426.3	38.7	36.0
NT20429	UNL Experimental	Triticale	8,218.8	39.3	33.7
MTF 1435	MSU	Wheat	8,194.1	40.4	28.7
NT22711	UNL Experimental	Triticale	8,102.6	39.1	29.7
NE03T416-1	UNL Experimental	Triticale	7,917.1	39.3	32.4
AP Baldy	AgriPro	Wheat	7,745.2	41.4	22.9
NT21431	UNL Experimental	Triticale	7,731.9	41.6	32.6
Goodstreak	Nu Horizon Genetics	Wheat	7,226.7	39.7	26.0
Summary Statistics					
Standard Error			826.4	1.8	1.3
LSD <sup>ii</sup>			1,366.6	3.0	2.1
Mean <sup>iii</sup>			8,817.1	39.5	33.1
CV <sup>iv</sup>			9.4	4.6	3.8

**SITE INFORMATION**

Collaborator:	UNL High Plains Ag Lab
Planting Date:	9/23/2025
Seeding Rate:	900,000 s/a (wheat and triticale); 850,000 s/a (rye)
Harvest Date:	June 18-19, 2025
Fertility:	50 lb/a 40 Rock in-furrow at planting, topdressed with 10 lb/a N in spring
Herbicide/Fungicides:	2,4D LV6 applied in spring
Soil Type:	Keith loam
GPS:	41.231514, -103.017301
Planting Info:	Planted 1.5" into disked oat/pea residue, 6 rows on 10" centers.
Notes on Trial:	Very dry soil at planting, 0.5" irrigation applied for fall stand development and another 2" applied in spring over two waterings as rescue irrigation. Slower than average growth due to persistent drought conditions and limited tillering as compared to average years. Plots were harvested at soft dough stage, which synchronized well across cultivars and species. Harvest conducted using research flail forage chopper (Carter Harvester, Brookston, IN) and a hanging scale. Hand samples were collected and fresh weights obtained before placing in 110F dryer for one week to determine moisture content at harvest. Seven total reps were tested.

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<sup>i</sup> Plot weights adjusted to DM based on % moisture at cutting.

<sup>ii</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>iii</sup> Mean performance of all plots in the trial. Bolded values indicate highest LSD grouping.

<sup>iv</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.