



UNIVERSITY of NEBRASKA  
LINCOLN

## Cheyenne County Rainfed 2025 Proso Millet Variety Trial

Name	Company	Yield (lb/ac)	Yield (bu/ac)	Plant Height (in)	Test Weight (lb/bu)
PMx11.35-32	UNL Experimental	2019	40.4	29.3	48.1
PMx11.26-63	UNL Experimental	1972	39.5	29.3	48.4
HxM_10-29	UNL Experimental	1948	38.9	28.5	49.2
Earlybird	UNL-ARD	1847	36.9	27.5	48.4
PMx11.31-101	UNL Experimental	1823	36.5	29.3	48.1
PMx11.32-93	UNL Experimental	1821	36.4	27.3	49.2
PMx11.27-79	UNL Experimental	1605	32.1	29.8	47.7
Sunrise	UNL-ARD	1566	31.3	29.2	45.1
Huntsman	UNL-ARD	1450	29.0	28.0	49.9
Horizon	UNL-ARD	1380	27.6	26.3	48.5
Summary Statistics					
Standard Error		275	5.5	1.2	1.0
LSD <sup>1</sup>		464	9.3	2.0	1.7
Mean <sup>2</sup>		1743	34.9	28.5	48.3
CV <sup>3</sup>		15.8	15.8	4.3	2.1
Reps		5	5	6	6

### SITE INFORMATION

Collaborator:	UNL High Plains Ag Lab, Jake Hansen
Planting Date:	6/19/2025
Seeding Rate:	15 lb/a
Harvest Date:	9/29/2025
Fertility:	45 lb/a N as 32-0-0 in April pre-plant
Herbicide/Fungicides:	32 oz/a Roundup + 8 oz/a LV6 + 2 oz/a Fultec on May 8; 32 oz RoundUp + 2 oz/a Sharpen + 2 oz/a Fultec on May 30; dessicated September 1
Planting Info:	Planted 1.5" into very dry soil, no-till wheat fallow.
Notes on Trial:	Good initial stand and timely rains helped with overall season vigor, however also contributed to late-season grassy weed pressure impacting yield CVs.

Similar experiment conducted by [CSU Crops Testing in Akron, CO](#).

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<sup>1</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>2</sup> Mean performance of all plots in the trial.

<sup>3</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.