



UNIVERSITY of NEBRASKA
LINCOLN

2023 Proso Millet Variety Trials Akron, CO and Sidney, NE



COLORADO STATE UNIVERSITY
EXTENSION

Name	Company	Average Yield (bu/ac) ¹	Sidney, NE Yield (bu/ac)	Akron, CO Yield (bu/ac)	Average Test Weight (lb/bu)	Average Plant Height (in)	Days to Heading ²	Days to Maturity ³
PMx11.32-93	UNL Experimental	75.6	80.6	70.9	55.2	37.7	53.1	68.5
DLG-0024382	Dryland Genetics Experimental	73.7	75.3	72.0	55.9	38.3	53.3	68.0
DLG 240	Dryland Genetics	72.9	76.7	69.1	55.3	38.6	52.1	68.8
PMx11.31-101	UNL Experimental	71.3	72.1	70.5	55.8	36.0	50.9	66.5
DLG-0025083	Dryland Genetics Experimental	68.2	70.6	65.9	55.4	35.0	46.5	66.0
Huntsman	UNL-ARD	67.7	70.9	64.6	56.6	36.4	50.3	63.8
DLG-0025078	Dryland Genetics Experimental	67.5	72.2	62.9	54.3	34.4	45.9	65.8
Early Bird	UNL-ARD	67.5	70.4	64.6	54.7	35.8	46.0	65.0
DLG-0102317	Dryland Genetics Experimental	67.3	67.7	67.0	55.6	34.9	46.1	66.5
Horizon	UNL-ARD	67.1	69.6	64.6	55.7	34.2	46.3	65.3
DLG-0024817	Dryland Genetics Experimental	66.0	68.9	63.1	56.3	36.1	45.1	65.3
DLG-0024884	Dryland Genetics Experimental	65.3	63.6	66.5	55.0	36.2	46.1	66.3
Sunrise	UNL-ARD	65.0	67.0	63.1	56.0	36.1	46.6	64.5
DLG 40	Dryland Genetics	65.0	66.1	63.9	54.6	34.7	46.4	65.8
Plateau	UNL-ARD	60.7	62.9	58.5	52.3	32.8	44.1	65.5
Dawn	UNL-ARD	54.1	57.2	51.1	56.6	31.2	44.3	63.8
	SE	2.7	4.4	3.1	0.5	0.9	0.5	0.5
	LSD⁴	4.4	7.4	5.2	0.8	1.5	0.9	0.8
	Mean	67.2	69.5	64.9	55.3	35.5	47.7	65.9
	CV⁵	4.0	6.4	4.8	0.9	2.6	1.1	0.7
	Reps	16	8	8	16	10	8	4

¹ Yield values corrected to 12% moisture. Bolded values indicate highest LSD grouping.

² Measured as days from planting to 50% heading.

³ Measured as days from planting to physiological maturity.

⁴ For differences between varieties that are equal to or greater than the LSD value, the chance that the difference is significant is 90%.

⁵ Coefficient of Variation (CV) indicates the quality of a trial, optimally lower than 10%.

SITE INFORMATION

Location	USDA-ARS Central Great Plains Research Station, Akron, CO	UNL High Plains Ag Lab, Sidney, NE
Planting Date:	June 28, 2023	June 9, 2023
Seeding Rate:		15 lb/acre
Harvest Date:	September 20, 2023	September 8, 2023
GPS:	40.149221884, -103.13562356	41.233868, -103.003324
Soil Type:	Rago silt loam	Alliance and Duroc loams
Notes on Trial:	Planted about 1.5" deep into excellent moisture and wheat residue. Excellent emergence and stands. Weather station data showed the trial received 7.4" of precipitation and 1,667 growing degree-days (GDD) (base 50°F) from June 28th through September 20th.	Planted 0.75" into no-till wheat stubble with good soil moisture. Excellent emergence and stands. Good precipitation and weather conditions throughout growing season.

Do not reprint this data without permission. Contacts: [Sally Jones-Diamond](#), [Amanda Easterly](#), [Cody Creech](#)