



UNIVERSITY of NEBRASKA
LINCOLN

Holt County Irrigated 2023 Corn Hybrid Trial

Name	Company	Yield (bu/ac) ¹	Test Weight (lb/bu)	Stand (plants/acre)
P0487Q	Pioneer	290.9	55.5	35,283
P09944AM	Pioneer	280.3	54.4	33,203
P1185AM	Pioneer	279.7	52.9	34,237
P1170AM	Pioneer	282.7	52.8	35,793
11DT591	Fontanelle	284.5	52.6	35,125
09P562	Fontanelle	268.3	52.2	32,080
P0859AM	Pioneer	271.8	51.9	35,511
13G519	Fontanelle	286.4	51.5	33,996
P12904AML	Pioneer	274.5	51.2	34,630
P1413AM	Pioneer	251.1	50.1	35,496
	Standard Error	17.7	0.9	1,743
	LSD²	--	1.5	--
	Mean³	277.0	52.5	34,535
	CV⁴	6.4	1.7	5.0
	Reps	5	5	5

SITE INFORMATION

Collaborator:	Jess Miner, O'Neill, NE
Planting Date:	May 25, 2023
Seeding Rate:	35,600 seeds/acre
Harvest Date:	November 6, 2023
GPS Coordinates:	42.551257, -98.761973
Soil Type:	Paka fine sandy loam
Fertility and Herbicides:	80 lb/a N, 10 lb/a K, & 24 lb/a S fertigated. Acuron Flexi, Atrazine and DiFlexx herbicides.
Planting Info:	Planted 2" on 30" rows into grazed winter wheat/cover crop mixture.
Notes on Trial:	Planted later due to rotation/operation needs, high grain moisture at harvest (33%, despite being at physiological maturity). No significant differences among hybrids tested or in final stand. Test weights lower than optimal likely due to planting date.

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¹ Yield values corrected to 15.5% moisture. Bolded values indicate highest LSD grouping.

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

³ Mean performance of all entries in the trial.

⁴ 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.