

2024 Barley Variety Trial at Minot

Variety	Days to	Plant	Lodging	Test			Yield				
	Head	Height		Weight	Protein	Plump	2022	2023	2024	2-yr avg	3-yr avg
	DAP	inches	1-9**	lbs/bu	%	%	bu/a				
AAC Connect	71	29	1	47.8	12.4	99.6	90.0	87.2	74.8	81.0	84.0
AAC Synergy	70	32	1	47.7	12.5	99.5	85.1	95.1	79.1	87.1	86.4
ABI Cardinal	72	29	1	47.6	12.2	99.5	95.6	84.9	78.4	81.7	86.3
Brewski	67	28	1	46.6	12.1	99.4	82.5	86.9	70.5	78.7	80.0
CDC Fraser	72	30	1	46.9	11.9	99.6	86.4	80.3	66.4	73.4	77.7
CDC Prairie	70	32	1	48.0	12.3	99.7	--	89.6	82.6	86.1	--
Conlon	64	29	1	48.8	12.7	99.7	90.1	84.4	75.2	79.8	83.2
Explorer	66	27	1	46.3	12.1	99.6	93.0	83.0	59.2	71.1	78.4
ND Genesis	65	30	1	48.0	12.6	99.6	86.4	73.1	76.6	74.9	78.7
ND Treasure	66	28	1	44.6	12.4	99.7	--	87.4	78.0	82.7	--
ND39977	65	28	1	45.2	11.3	99.5	--	79.4	64.7	72.1	--
Pinnacle	66	30	1	48.5	12.4	99.2	78.8	79.6	74.5	77.1	84.0
Tradition	66	31	1	46.7	12.8	99.4	84.0	93.8	66.2	80.0	84.0
Trial mean	67	29	1	47.3	12.3	99.5	91.1	86.6	73.3	--	--
C.V.%	4.6	13.4	--	1.9	7.5	0.2	4.9	10.9	7.1	--	--
LSD 0.05	5	6	NS	1.5	1.5	0.3	7.4	15.6	8.6	--	--
LSD 0.1	4	5	NS	1.2	1.3	0.3	6.1	13.0	7.1	--	--

*DAP = Days after planting.

**Lodging: 1 = none, 9 = lying flat on the ground.

NS = no statistical difference between varieties.

Planting date: April 24, 2024

Harvest date: August 26, 2024

Seeding rate: 800,000 live seeds/acre

Previous crop: soybeans

Tillage system: no-till

Soil type: Williams loam