

Nebraska 2020: Oat (Grain) Variety Trial in Cheyenne Co._Irrigated

Planting Date: April 24, 2020

Harvest Date: August 8, 2020

Brand/Company	Variety	entry	Yield rank	Grain yield* (lbs/acre)	Test wt (lbs/bu)	Moisture %	Plant height (inches)
ND Crop Improvement	Rockford	2	1	2003	34	8	34
Meridian Seeds	CS Camden	1	2	1815	33	8	31
ND Crop Improvement	ND Heart	3	3	1674	33	8	33
Average of all varieties				1831	33	8	32
Difference (LSD) required at 5% sig.				321	2	ns	4
CV				10	3	0	7

**Not adjusted to grain moisture*

LSD: Values required (\geq LSD) to determine if varieties are significantly different from one another

CV: 15 is generally acceptable value.

Trial information:

- 1 Location: Sidney in Cheyenne Co. (N.41.25122; W. 103.00290)
- 2 Planted on conventionally tillage
- 3 Herbicide: 1.5 lbs Atrazine
- 4 Seeding rate: 100 lbs/acre
- 5 Fertilizer (N): 30 lbs/acre + 48 lbs residual
- 6 Plot: 5 ft x 30 ft (8 rows with 7.5" row spacing)
- 7 Total water: 4 inches (sprinkler irrigation) + 3.1 inches (rainfall)