

## 2024 Minn-Dak Official Variety Trial

### Commercial & Semi-Commercial Entries

Research Farm - Breckenridge, MN

Entry Code	Commercial Entries	Emerge %	Bolter #	Tare %	Sugar %	Purity %	Yield TPA	RST		RSA	
								lbs	% Mean	lbs	% Mean
2	* ACH 166	78.1	0	1.10	18.62	92.10	32.1	327.7	105.2	10,535	105.9
8	ACH 290	75.1	0	0.90	17.40	90.96	34.2	300.8	96.5	10,299	103.5
3	ACH 370	76.9	0	1.20	19.07	91.25	30.0	332.1	106.6	9,959	100.1
1	* ACH 973	84.6	0	1.20	17.56	91.19	32.9	304.6	97.8	10,033	100.8
7	* Beta 7068	81.1	0	1.00	17.12	90.50	33.1	293.7	94.3	9,733	97.8
4	Beta 7170	80.1	0	1.20	17.39	91.23	36.1	301.6	96.8	10,887	109.4
5	Beta 7231	74.6	0	1.10	18.47	91.12	32.4	320.7	102.9	10,379	104.3
10	Beta 7344	81.8	0	1.00	18.23	90.67	29.7	314.3	100.9	9,332	93.8
9	Beta 7397	82.3	0	1.00	17.86	91.03	31.8	309.2	99.2	9,849	99.0
6	* Hilleshög 2325	80.1	0	0.90	17.79	91.71	27.2	311.0	99.8	8,481	85.2
<b>Experiment Mean</b>		<b>79.5</b>	<b>0.0</b>	<b>1.06</b>	<b>17.95</b>	<b>91.18</b>	<b>32.0</b>	<b>311.6</b>		<b>9,949</b>	
<b>Coeff. of Var. (%)</b>		<b>7.32</b>		<b>20.48</b>	<b>2.55</b>	<b>0.07</b>	<b>8.27</b>	<b>2.91</b>		<b>9.30</b>	
<b>LSD (0.10)</b>		<b>5.6</b>		<b>NS</b>	<b>0.44</b>	<b>0.62</b>	<b>2.6</b>	<b>8.8</b>		<b>897</b>	
<b>LSD (0.05)</b>		<b>NS</b>		<b>NS</b>	<b>0.53</b>	<b>0.75</b>	<b>3.1</b>	<b>10.6</b>		<b>1076</b>	

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### Experimental Entries (1st Year)

Research Farm - Breckenridge, MN

Entry Code	Experimental Entries	Emerge %	Bolter #	Tare %	Sugar %	Purity %	Yield TPA	RST		RSA	
								lbs	% Mean	lbs	% Mean
20	ACH 417	73.1	0	1.60	19.05	91.04	31.9	330.7	102.5	10,529	101.9
11	ACH 430	80.8	0	1.00	18.57	91.42	32.4	323.8	100.4	10,463	101.3
15	ACH 454	82.1	0	1.10	18.90	91.32	31.7	329.2	102.0	10,391	100.6
12	ACH 472	81.6	0	1.10	18.78	90.49	33.1	323.2	100.2	10,686	103.4
16	ACH 489	87.8	0	1.10	18.18	91.51	33.7	317.1	98.3	10,696	103.5
13	Beta 7401	80.6	0	1.10	18.05	91.31	32.4	314.0	97.3	10,171	98.5
18	Beta 7416	78.1	0	1.10	18.81	91.42	33.3	328.1	101.7	10,892	105.4
17	Beta 7439	85.1	0	1.00	18.78	91.05	32.2	325.8	101.0	10,463	101.3
19	Beta 7456	88.1	0	1.10	18.88	90.55	33.9	325.4	100.9	10,977	106.3
14	Hilleshög 2517	85.3	0	0.80	17.86	90.97	26.0	309.0	95.8	8,038	77.8
<b>Experiment Mean</b>		<b>82.3</b>	<b>0.0</b>	<b>1.10</b>	<b>18.59</b>	<b>91.11</b>	<b>32.1</b>	<b>322.6</b>		<b>10,331</b>	
<b>Coeff. of Var. (%)</b>		<b>6.82</b>		<b>48.60</b>	<b>2.40</b>	<b>0.57</b>	<b>6.69</b>	<b>2.67</b>		<b>6.60</b>	
<b>LSD (0.10)</b>		<b>5.4</b>		<b>NS</b>	<b>0.43</b>	<b>0.51</b>	<b>2.1</b>	<b>8.4</b>		<b>661</b>	
<b>LSD (0.05)</b>		<b>6.5</b>		<b>NS</b>	<b>0.52</b>	<b>0.61</b>	<b>2.5</b>	<b>10.0</b>		<b>793</b>	

*% Mean is percent of Experiment Mean*

*\* Established Variety*