

## 2020 Minn-Dak Official Variety Trial ~ Commercial

Tyler, ND

| Commercial Trial          | Entry Code | Emerg. %     | Bolter #/A | Tare %       | Sugar %      | Purity %     | Yield TPA    | RST          |        | RSA          |        |
|---------------------------|------------|--------------|------------|--------------|--------------|--------------|--------------|--------------|--------|--------------|--------|
|                           |            |              |            |              |              |              |              | lbs          | % Mean | lbs          | % Mean |
| ACH 659                   | 6          | 57.5         | 0          | 1.86         | 17.27        | 91.15        | 27.0         | 299.3        | 99.9   | 8,070        | 94.0   |
| ACH 765                   | 18         | 59.3         | 0          | 1.12         | 17.03        | 92.02        | 29.3         | 298.4        | 99.6   | 8,737        | 101.8  |
| ACH 771                   | 17         | 66.0         | 0          | 1.24         | 16.91        | 91.49        | 30.3         | 294.0        | 98.1   | 8,868        | 103.3  |
| ACH 910                   | 13         | 66.8         | 0          | 1.33         | 16.68        | 91.92        | 30.1         | 291.7        | 97.3   | 8,770        | 102.2  |
| ACH 950                   | 5          | 63.8         | 0          | 1.55         | 17.44        | 91.74        | 30.4         | 304.7        | 101.7  | 9,271        | 108.0  |
| ACH 973                   | 21         | 75.8         | 0          | 1.49         | 16.79        | 93.02        | 29.4         | 298.2        | 99.5   | 8,760        | 102.1  |
| Beta 7727                 | 2          | 60.3         | 0          | 1.31         | 17.15        | 91.62        | 28.9         | 299.0        | 99.8   | 8,624        | 100.5  |
| Beta 7741                 | 15         | 47.5         | 0          | 1.14         | 16.91        | 91.78        | 29.5         | 295.4        | 98.6   | 8,682        | 101.1  |
| Beta 7748                 | 19         | 50.5         | 0          | 1.61         | 17.49        | 91.55        | 27.0         | 304.7        | 101.7  | 8,210        | 95.6   |
| Beta 7845                 | 9          | 56.5         | 0          | 1.34         | 17.43        | 91.95        | 26.8         | 305.5        | 101.9  | 8,184        | 95.3   |
| Beta 7931                 | 3          | 64.3         | 0          | 1.24         | 16.92        | 92.01        | 28.8         | 296.6        | 99.0   | 8,510        | 99.1   |
| Beta 7974                 | 11         | 62.8         | 0          | 1.08         | 16.87        | 91.78        | 26.8         | 294.8        | 98.4   | 7,851        | 91.5   |
| Beta 7996                 | 4          | 68.5         | 0          | 1.28         | 16.96        | 92.24        | 30.3         | 298.1        | 99.5   | 9,037        | 105.3  |
| Hilleshög 2321            | 1          | 64.3         | 0          | 1.15         | 16.90        | 91.66        | 27.5         | 294.7        | 98.3   | 8,070        | 94.0   |
| Hilleshög 2325            | 16         | 73.5         | 0          | 1.25         | 17.15        | 92.76        | 28.3         | 303.8        | 101.4  | 8,585        | 100.0  |
| Hilleshög 4302            | 10         | 62.8         | 0          | 1.15         | 17.07        | 92.01        | 28.4         | 299.1        | 99.8   | 8,479        | 98.8   |
| Maribo 905                | 20         | 63.8         | 0          | 1.25         | 17.39        | 91.26        | 27.2         | 301.7        | 100.7  | 8,198        | 95.5   |
| SES/VdH 655               | 7          | 70.3         | 0          | 1.78         | 17.41        | 92.29        | 29.0         | 306.7        | 102.3  | 8,876        | 103.4  |
| SES/VdH 696               | 12         | 68.5         | 0          | 1.29         | 17.15        | 92.57        | 29.4         | 303.0        | 101.1  | 8,899        | 103.7  |
| SES/VdH 762               | 14         | 71.3         | 0          | 1.27         | 17.07        | 92.03        | 29.8         | 299.2        | 99.8   | 8,934        | 104.1  |
| SES/VdH 788               | 8          | 67.5         | 0          | 1.25         | 17.35        | 92.71        | 28.9         | 307.1        | 102.5  | 8,879        | 103.4  |
| SES/VdH 1986              | 22         | 59.5         | 0          | 1.11         | 17.01        | 91.90        | 28.0         | 297.6        | 99.3   | 8,341        | 97.2   |
| <b>Experiment Mean</b>    |            | <b>63.66</b> |            | <b>1.32</b>  | <b>17.11</b> | <b>91.98</b> | <b>28.69</b> | <b>299.7</b> |        | <b>8,583</b> |        |
| <b>Coeff. of Var. (%)</b> |            | <b>14.38</b> |            | <b>31.05</b> | <b>3.32</b>  | <b>1.11</b>  | <b>7.64</b>  | <b>4.39</b>  |        | <b>7.39</b>  |        |
| <b>LSD (0.05)</b>         |            | <b>10.48</b> |            | <b>0.47</b>  | <b>0.65</b>  | <b>1.17</b>  | <b>2.5</b>   | <b>15.1</b>  |        | <b>726</b>   |        |
| <b>LSD (0.10)</b>         |            | <b>8.77</b>  |            | <b>0.39</b>  | <b>0.54</b>  | <b>0.98</b>  | <b>2.1</b>   | <b>12.6</b>  |        | <b>607</b>   |        |

## 2020 Minn-Dak Official Variety Trial ~ Introductory

Tyler, ND

| Introductory Trial        | Entry Code | Emerg. %     | Bolter #/A | Tare %       | Sugar %      | Purity %     | Yield TPA   | RST          |        | RSA          |        |
|---------------------------|------------|--------------|------------|--------------|--------------|--------------|-------------|--------------|--------|--------------|--------|
|                           |            |              |            |              |              |              |             | lbs          | % Mean | lbs          | % Mean |
| ACH 008                   | 29         | 67.8         | 0          | 1.19         | 17.62        | 90.85        | 31.8        | 304.2        | 99.2   | 9,668        | 109.6  |
| ACH 011                   | 30         | 61.8         | 0          | 1.08         | 17.20        | 92.05        | 31.6        | 301.6        | 98.3   | 9,551        | 108.3  |
| ACH 023                   | 35         | 60.3         | 0          | 0.89         | 17.57        | 91.86        | 27.0        | 307.5        | 100.3  | 8,290        | 94.0   |
| ACH 044                   | 39         | 60.8         | 0          | 1.22         | 17.91        | 91.21        | 28.5        | 311.0        | 101.4  | 8,875        | 100.6  |
| ACH 056                   | 24         | 57.8         | 0          | 0.92         | 17.22        | 91.28        | 27.0        | 298.8        | 97.4   | 8,027        | 91.0   |
| ACH 082                   | 27         | 75.0         | 0          | 1.65         | 17.83        | 92.21        | 30.7        | 313.8        | 102.3  | 9,647        | 109.4  |
| ACH 095                   | 38         | 59.8         | 0          | 1.05         | 17.57        | 91.56        | 28.8        | 306.3        | 99.9   | 8,829        | 100.1  |
| Beta 7021                 | 25         | 59.5         | 0          | 0.81         | 17.62        | 91.85        | 29.4        | 308.3        | 100.5  | 9,060        | 102.7  |
| Beta 7029                 | 34         | 66.5         | 0          | 1.03         | 17.76        | 92.17        | 28.5        | 312.3        | 101.8  | 8,903        | 100.9  |
| Beta 7033                 | 23         | 63.0         | 0          | 1.32         | 17.88        | 91.06        | 30.2        | 309.7        | 101.0  | 9,339        | 105.9  |
| Beta 7059                 | 40         | 58.5         | 0          | 1.06         | 17.75        | 92.03        | 26.6        | 311.4        | 101.5  | 8,286        | 93.9   |
| Beta 7062                 | 43         | 67.5         | 0          | 0.83         | 17.32        | 92.13        | 29.1        | 304.2        | 99.2   | 8,842        | 100.2  |
| Beta 7068                 | 45         | 70.3         | 0          | 1.11         | 17.63        | 92.66        | 31.9        | 312.0        | 101.7  | 9,955        | 112.9  |
| Beta 7085                 | 41         | 62.0         | 0          | 0.99         | 17.93        | 91.74        | 29.6        | 313.6        | 102.3  | 9,262        | 105.0  |
| Hilleshög 2371            | 37         | 68.8         | 0          | 0.96         | 16.94        | 91.37        | 30.4        | 294.2        | 95.9   | 8,940        | 101.4  |
| Hilleshög 2372            | 33         | 69.0         | 0          | 0.90         | 17.06        | 91.52        | 29.8        | 297.0        | 96.8   | 8,844        | 100.3  |
| Hilleshög 2373            | 28         | 68.5         | 0          | 1.02         | 17.74        | 92.41        | 27.9        | 313.1        | 102.1  | 8,724        | 98.9   |
| Hilleshög 2374            | 36         | 65.3         | 0          | 0.93         | 17.60        | 92.13        | 30.1        | 309.3        | 100.9  | 9,311        | 105.6  |
| Maribo 924                | 44         | 71.5         | 0          | 1.62         | 17.38        | 91.87        | 23.8        | 304.1        | 99.1   | 7,244        | 82.1   |
| SES/VdH 701               | 42         | 67.3         | 0          | 0.98         | 17.53        | 92.42        | 27.6        | 309.3        | 100.8  | 8,530        | 96.7   |
| SES/VdH 702               | 26         | 66.8         | 0          | 1.18         | 17.92        | 92.71        | 27.7        | 317.5        | 103.5  | 8,807        | 99.8   |
| SES/VdH 703               | 31         | 64.3         | 0          | 0.99         | 17.18        | 91.26        | 27.9        | 297.8        | 97.1   | 8,320        | 94.3   |
| SES/VdH 704               | 32         | 66.3         | 0          | 1.69         | 17.25        | 90.69        | 25.7        | 296.7        | 96.8   | 7,614        | 86.3   |
| <b>Experiment Mean</b>    |            | <b>65.12</b> |            | <b>1.11</b>  | <b>17.54</b> | <b>91.78</b> | <b>28.8</b> | <b>306.7</b> |        | <b>8,820</b> |        |
| <b>Coeff. of Var. (%)</b> |            | <b>16.49</b> |            | <b>28.31</b> | <b>2.63</b>  | <b>1.38</b>  | <b>7.74</b> | <b>3.53</b>  |        | <b>8.51</b>  |        |
| <b>LSD (0.05)</b>         |            | <b>12.29</b> |            | <b>0.36</b>  | <b>0.53</b>  | <b>1.45</b>  | <b>2.6</b>  | <b>12.4</b>  |        | <b>859</b>   |        |
| <b>LSD (0.10)</b>         |            | <b>10.28</b> |            | <b>0.30</b>  | <b>0.44</b>  | <b>1.22</b>  | <b>2.1</b>  | <b>10.4</b>  |        | <b>719</b>   |        |