



2021 Dryland Corn Hybrid  
Performance Trial at Akron

| Brand                            | Hybrid      | Insect and Herbicide<br>Technology Traits <sup>a</sup> | Grain<br>Yield <sup>b</sup> |                | Relative<br>Maturity <sup>c</sup> | Moisture<br>percent | Test<br>Weight<br>lb/bu | Ear<br>Height<br>in | Population<br>plants/ac |
|----------------------------------|-------------|--|-----------------------------|----------------|-----------------------------------|---------------------|-------------------------|---------------------|-------------------------|
|                                  |             |  | bu/ac                       | % of test avg. |                                   |                     |                         |                     |                         |
| <b>102-108 Relative Maturity</b> |             |  |                             |                |                                   |                     |                         |                     |                         |
| Hoegemeyer Hybrids               | 7404 Q      | Q, LL, RR2   | 56                          | 112%           | 104                               | 18                  | 58                      | 19                  | 17,800                  |
| Hoegemeyer Hybrids               | 7322 AML    | AML, LL, RR2   | 54                          | 107%           | 103                               | 16                  | 58                      | 18                  | 16,600                  |
| Dyna-Gro Seed                    | D48QV22     | 3330, RR2  | 53                          | 105%           | 108                               | 18                  | 58                      | 22                  | 15,800                  |
| Dyna-Gro Seed                    | D44SS54     | STX, LL, RR2   | 53                          | 105%           | 104                               | 14                  | 59                      | 24                  | 17,300                  |
| Pioneer                          | P0622AML    | AML, LL, RR2   | 50                          | 99%            | 106                               | 15                  | 59                      | 22                  | 15,500                  |
| Dyna-Gro Seed                    | D45TC55     | TRE, RR2   | 47                          | 93%            | 105                               | 18                  | 59                      | 18                  | 15,500                  |
| Dyna-Gro Seed                    | D43SS81     | STX, LL, RR2   | 47                          | 92%            | 103                               | 13                  | 59                      | 20                  | 16,100                  |
| <b>94-101 Relative Maturity</b>  |             |  |                             |                |                                   |                     |                         |                     |                         |
| Dekalb                           | DKC51-20RIB | DG, VT2PRIB, RR2                                       | 56                          | 111%           | 101                               | 14                  | 60                      | 22                  | 17,800                  |
| Channel                          | 194-49      | DG, VT2P, RR2  | 51                          | 101%           | 94                                | 15                  | 60                      | 19                  | 15,000                  |
| Channel                          | 199-45      | VT2P, RR2  | 50                          | 98%            | 99                                | 13                  | 59                      | 24                  | 10,900                  |
| Dyna-Gro Seed                    | D39VC40     | VT2P, RR2  | 47                          | 94%            | 99                                | 14                  | 60                      | 23                  | 12,800                  |
| Dyna-Gro Seed                    | D37SS64     | STX, LL, RR2   | 42                          | 83%            | 97                                | 14                  | 60                      | 25                  | 17,300                  |
| <b>Average</b>                   |             |  | <b>51</b>                   |                | <b>102</b>                        | <b>15</b>           | <b>59</b>               | <b>21</b>           | <b>15,700</b>           |
| <sup>d</sup> LSD (0.30)          |             |  | NS                          |                |                                   |                     |                         |                     |                         |
| <sup>d</sup> LSD (0.05)          |             |  | NS                          |                |                                   |                     |                         |                     |                         |

<sup>a</sup>Technology trait designations: 3330=Agrisure Viptera 3330 E-Z Refuge; AML=AcreMax Leptra; DG=DroughtGard; LL=LibertyLink; Q=QROME; RR2=Roundup Ready 2; STX=SmartStax; TRE=Trecepta; VT2P=VecTran Double Protection; VT2PRIB=VecTran Double Protection Refuge in the Bag Complete. For a list of specific pests controlled by each trait, please click [here](#).

<sup>b</sup>Yields corrected to 15.5% moisture. Hybrid yields in bold are in the top LSD group (0.30).

<sup>c</sup>Relative maturity is provided by the respective companies and is the approximate time from planting to harvest maturity. The method of calculation of the relative maturity ratings may vary among companies.

<sup>d</sup>Yield trial data could not be interpreted due to the high degree of field variability. The yield results should not be used for selecting superior hybrids.

**Site Information**

Collaborator: Central Great Plains USDA-ARS Research Station  
 Planting Date: May 21, 2021  
 Harvest Date: October 18, 2021  
 Fertilizer: In-Season: N at 49, P at 14 lb/ac;  
 Herbicides: Buccaneer plus at 2 qt/ac, Aim at 2 oz/ac, Explorer at 3.5 oz/ac, Brawl at 1.2 pt/ac, Atrazine at 2 pt/ac, Superb HC at 12.8 oz/ac, and Class Act at 64 oz/ac  
 Soil Type: Weld silt loam  
 Trial Coordinates: 40.15498, -103.14304  
 Trial Comments: Planted into excellent moisture and heavy wheat stubble. Excellent stands and emergence. Trial received 0.65" of rain in June, 0.4" in July, 0.5" in August, and 0.83" in September. Plants were showing signs of drought stress in early August. Field variation due to high pH areas caused a high degree of variability in yield data.

*The data included in this table may not be republished without permission. Contact Sally Jones-Diamond at [sally.jones@colostate.edu](mailto:sally.jones@colostate.edu).*