

**NDSU Carrington Research Extension Center  
2021 Variety Trial Data**

**Corn - Dryland**

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| Brand               | Hybrid       | Trait Package | Maturity | Days to Silk | Ear Height<br>in | Plant Height<br>in | Lodge <sup>1</sup><br>0-9 | Harvest Moisture<br>% | Test Weight<br>lb/bu | Protein<br>% | Oil<br>% | Starch<br>% | ---- Grain Yield ---- |            |
|---------------------|--------------|---------------|----------|--------------|------------------|--------------------|---------------------------|-----------------------|----------------------|--------------|----------|-------------|-----------------------|------------|
|                     |              |               |          |              |                  |                    |                           |                       |                      |              |          |             | 2021                  | 2-yr. Avg. |
|                     |              |               |          |              |                  |                    |                           |                       |                      |              |          |             | bu/ac                 | bu/ac      |
| REA Hybrids         | 1B821        | VT2P          | 82       | 87.0         | 27.0             | 71.1               | 1.3                       | 16.0                  | 57.5                 | 9.7          | 3.9      | 68.6        | 58.1                  | 74.7       |
| REA Hybrids         | 2B851        | VT2P          | 85       | 87.0         | 29.7             | 72.7               | 0.3                       | 15.6                  | 55.2                 | 9.9          | 3.8      | 70.4        | 54.2                  | 83.3       |
| REA Hybrids         | 2B862        | VT2P          | 86       | 88.3         | 24.6             | 65.6               | 0.8                       | 15.6                  | 54.5                 | 10.4         | 3.8      | 70.1        | 55.1                  | --         |
| REA Hybrids         | 2B863        | VT2P          | 86       | 89.5         | 27.6             | 72.4               | 3.5                       | 15.7                  | 56.9                 | 9.2          | 3.7      | 68.5        | 52.0                  | --         |
| REA Hybrids         | 3B903        | VT2P          | 90       | 90.0         | 31.0             | 71.5               | 0.8                       | 16.1                  | 57.3                 | 10.3         | 3.6      | 70.1        | 62.7                  | 95.6       |
| Champion Seed       | 33A20 VT2P   | VT2P          | 83       | 87.3         | 29.0             | 67.2               | 1.8                       | 15.6                  | 57.9                 | 10.0         | 3.7      | 69.9        | 54.5                  | --         |
| Champion Seed       | 36A22 VT2P   | VT2P          | 86       | 89.0         | 30.0             | 65.5               | 2.3                       | 18.9                  | 55.0                 | 9.8          | 3.9      | 68.9        | 58.8                  | --         |
| Champion Seed       | 40A21 VT2P   | VT2P          | 90       | 86.5         | 31.2             | 74.6               | 5.3                       | 16.7                  | 54.4                 | 10.1         | 3.6      | 70.5        | 66.1                  | --         |
| Peterson Farms Seed | 73S84        | VT2PRO        | 84       | 85.0         | 30.9             | 78.0               | 1.5                       | 15.4                  | 57.7                 | 9.7          | 3.6      | 70.1        | 65.4                  | 84.8       |
| Peterson Farms Seed | 22T83        | RR2           | 83       | 88.3         | 25.8             | 67.7               | 1.0                       | 16.8                  | 58.4                 | 9.8          | 3.8      | 69.8        | 62.2                  | 91.0       |
| Peterson Farms Seed | 75G85        | VT2PRO        | 85       | 86.5         | 31.4             | 76.0               | 1.3                       | 15.7                  | 56.1                 | 10.1         | 3.8      | 69.9        | 64.3                  | --         |
| Peterson Farms Seed | 74Z87        | VT2PRO        | 87       | 89.3         | 26.4             | 74.0               | 3.0                       | 15.6                  | 58.8                 | 10.0         | 3.8      | 68.5        | 60.4                  | 83.3       |
| Integra             | 3282 VT2PRIB | VT2P          | 82       | 88.0         | 30.3             | 67.9               | 1.5                       | 16.5                  | 59.7                 | 10.2         | 3.9      | 67.7        | 53.6                  | 66.9       |
| Integra             | 3431 VT2PRIB | VT2P          | 84       | 87.5         | 28.3             | 67.5               | 2.8                       | 15.7                  | 58.2                 | 9.8          | 3.7      | 69.6        | 71.2                  | 91.5       |
| Integra             | 3537 VT2PRIB | VT2P          | 85       | 90.8         | 29.3             | 75.6               | 1.8                       | 16.3                  | 57.7                 | 10.5         | 3.9      | 68.9        | 69.6                  | 87.6       |
| Integra             | 3718 VT2PRIB | VT2P          | 87       | 90.8         | 28.6             | 69.7               | 4.0                       | 17.5                  | 56.7                 | 10.5         | 3.7      | 69.3        | 67.4                  | 89.4       |
| Thunder Seeds       | T6085 VT2P   | VT2P          | 85       | 90.0         | 29.3             | 79.1               | 2.8                       | 16.4                  | 58.9                 | 10.4         | 3.7      | 68.9        | 64.8                  | 83.6       |
| Thunder Seeds       | T6185 VT2P   | VT2P          | 85       | 86.3         | 28.3             | 67.7               | 1.5                       | 16.3                  | 55.9                 | 10.4         | 3.8      | 69.1        | 67.8                  | 85.2       |
| Thunder Seeds       | T6987 VT2P   | VT2P          | 87       | 90.3         | 29.7             | 81.3               | 2.5                       | 17.6                  | 58.7                 | 10.0         | 3.9      | 68.5        | 69.4                  | 83.6       |
| Thunder Seeds       | T6190 VT2P   | VT2P          | 90       | 88.5         | 30.9             | 71.9               | 3.8                       | 17.0                  | 54.3                 | 10.5         | 3.7      | 69.8        | 68.9                  | --         |
| Mean                |              |               |          | 88.4         | 28.3             | 71.4               | 2.1                       | 16.4                  | 56.8                 | 10.2         | 3.8      | 69.2        | 60.8                  | --         |
| C.V. (%)            |              |               |          | 3.1          | 16.8             | 10.9               | 67.1                      | 9.0                   | 1.7                  | 3.9          | 2.9      | 1.3         | 17.0                  | --         |
| LSD (0.05)          |              |               |          | 3.9          | 6.7              | 11.0               | 1.9                       | 2.1                   | 1.4                  | 0.6          | 0.2      | 1.3         | 14.5                  | --         |
| LSD (0.10)          |              |               |          | 3.2          | 5.6              | 9.2                | 1.6                       | 1.7                   | 1.1                  | 0.5          | 0.1      | 1.1         | 12.2                  | --         |

**Planting Date = April 29; Harvest Date = November 1; Previous Crop = Spring Wheat**

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**Carrington (Page 2 of 2)**

| Brand           | Hybrid           | Trait Package | Maturity | Days to Silk | Ear Height<br>in | Plant Height<br>in | Lodge <sup>1</sup><br>0-9 | Harvest Moisture<br>% | Test Weight<br>lb/bu | Protein<br>% | Oil<br>% | Starch<br>% | ---- Grain Yield ---- |            |
|-----------------|------------------|---------------|----------|--------------|------------------|--------------------|---------------------------|-----------------------|----------------------|--------------|----------|-------------|-----------------------|------------|
|                 |                  |               |          |              |                  |                    |                           |                       |                      |              |          |             | 2021                  | 2-yr. Avg. |
|                 |                  |               |          |              |                  |                    |                           |                       |                      |              |          |             | ----- bu/ac -----     | -----      |
| Proseed         | 1984 VT2P        | VT2P          | 84       | 87.8         | 26.4             | 66.7               | 1.8                       | 15.9                  | 58.0                 | 10.1         | 3.7      | 69.3        | 58.8                  | 87.2       |
| Proseed         | 1185 RR2         | RR2           | 85       | 87.0         | 34.4             | 83.5               | 1.0                       | 15.5                  | 56.2                 | 10.1         | 3.9      | 68.8        | 59.4                  | --         |
| Proseed         | 1787 VT2P        | VT2P          | 87       | 86.0         | 29.8             | 80.7               | 2.5                       | 15.9                  | 59.0                 | 10.1         | 3.9      | 69.0        | 69.4                  | 89.6       |
| Dairyland Seed  | DS-2828AM        | AM            | 88       | 88.3         | 30.0             | 76.5               | 1.3                       | 14.6                  | 55.2                 | 10.3         | 3.5      | 70.2        | 62.7                  | --         |
| Dairyland Seed  | DS-3193AM        | AM            | 91       | 87.8         | 27.6             | 69.2               | 1.8                       | 15.2                  | 54.9                 | 10.2         | 3.4      | 69.9        | 62.9                  | 93.1       |
| Dairyland Seed  | DS-3366AM        | AM            | 93       | 88.3         | 28.7             | 71.2               | 1.3                       | 17.8                  | 57.0                 | 10.4         | 3.5      | 69.2        | 64.5                  | 96.1       |
| Channel / Bayer | 194-49DGVVT2PRIB | DGVVT2P       | 94       | 92.5         | 28.4             | 67.6               | 1.5                       | 22.3                  | 56.1                 | 10.8         | 4.2      | 67.5        | 58.3                  | --         |
| Legacy Seeds    | LC-2817          | VT2P          | 86       | 89.0         | 26.2             | 70.1               | 2.8                       | 16.6                  | 58.4                 | 10.0         | 3.9      | 68.4        | 60.7                  | 88.3       |
| Legacy Seeds    | LC-2918          | VT2P          | 89       | 91.0         | 25.2             | 68.1               | 1.8                       | 16.5                  | 56.5                 | 10.2         | 3.7      | 68.9        | 54.4                  | 84.4       |
| Legacy Seeds    | LC-3048          | VT2P          | 90       | 90.0         | 26.7             | 73.0               | 3.3                       | 19.1                  | 54.7                 | 10.5         | 3.7      | 69.1        | 59.1                  | 96.7       |
| Legacy Seeds    | LC413-20         | VT2P          | 91       | 92.3         | 29.3             | 69.3               | 1.5                       | 18.2                  | 56.1                 | 10.2         | 3.9      | 68.9        | 49.8                  | --         |
| Stine Seed      | 9140-G           | GT            | 81       | 88.3         | 22.6             | 67.8               | 3.8                       | 15.1                  | 56.9                 | 10.5         | 3.8      | 69.1        | 57.3                  | --         |
| Stine Seed      | 9101-G           | GTA           | 83       | 90.8         | 24.1             | 56.9               | 0.3                       | 17.1                  | 56.7                 | 10.7         | 3.8      | 69.0        | 64.1                  | --         |
| Stine Seed      | 9202-G           | GTA           | 85       | 87.0         | 23.4             | 64.0               | 3.3                       | 15.6                  | 56.8                 | 10.5         | 3.7      | 68.7        | 50.8                  | --         |
| Stine Seed      | 9202-11          | 3011A/LL      | 85       | 86.8         | 27.7             | 71.9               | 2.5                       | 15.7                  | 56.2                 | 10.5         | 3.6      | 68.9        | 62.8                  | --         |
| Dyna-Gro        | D21VC81          | VT2P          | 81       | 86.8         | 27.6             | 73.4               | 1.0                       | 15.8                  | 57.3                 | 10.5         | 3.7      | 69.2        | 55.6                  | 73.5       |
| Dyna-Gro        | D23VC83          | VT2P          | 83       | 87.0         | 24.0             | 69.1               | 1.3                       | 14.7                  | 55.4                 | 9.8          | 3.9      | 70.5        | 58.6                  | --         |
| Dyna-Gro        | D26VC72          | VT2P          | 86       | 89.0         | 31.6             | 71.5               | 1.5                       | 15.9                  | 56.2                 | 10.3         | 4.0      | 69.2        | 52.4                  | 76.8       |
| Dyna-Gro        | D27VC87          | VT2P          | 87       | 87.8         | 29.0             | 79.7               | 2.8                       | 16.8                  | 58.2                 | 10.5         | 3.8      | 68.2        | 58.4                  | 84.1       |
| Mean            |                  |               |          | 88.4         | 28.3             | 71.4               | 2.1                       | 16.4                  | 56.8                 | 10.2         | 3.8      | 69.2        | 60.8                  | --         |
| C.V. (%)        |                  |               |          | 3.1          | 16.8             | 10.9               | 67.1                      | 9.0                   | 1.7                  | 3.9          | 2.9      | 1.3         | 17.0                  | --         |
| LSD (0.05)      |                  |               |          | 3.9          | 6.7              | 11.0               | 1.9                       | 2.1                   | 1.4                  | 0.6          | 0.2      | 1.3         | 14.5                  | --         |
| LSD (0.10)      |                  |               |          | 3.2          | 5.6              | 9.2                | 1.6                       | 1.7                   | 1.1                  | 0.5          | 0.1      | 1.1         | 12.2                  | --         |

**Planting Date = April 29; Harvest Date = November 1; Previous Crop = Spring Wheat**

<sup>1</sup>Lodging score: 0 = no lodging; 9 = plants lying flat