



# 2016-2017 Oklahoma Wheat Variety Performance Tests Summary

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| AGRICULTURE              |                    | Afton                         | Altus     | Alva      | Apache    | Apache Fungicide | Balko     | Buffalo   | Cherokee  | Chickasha | Chickasha IWM | Goodwell Irrigated |
|--------------------------|--------------------|-------------------------------|-----------|-----------|-----------|------------------|-----------|-----------|-----------|-----------|---------------|--------------------|
| Source                   | Variety            | -----grain yield (bu/ac)----- |           |           |           |                  |           |           |           |           |               |                    |
| AGSECO                   | AG Icon            | -                             | 31        | -         | -         | -                | -         | -         | -         | 30        | 41            | 43                 |
| AGSECO                   | AG Robust          | -                             | 27        | -         | -         | -                | -         | -         | -         | 26        | 36            | 41                 |
| PlainsGold               | Avery              | -                             | -         | 50        | -         | -                | 37        | 84        | 60        | -         | -             | 41                 |
| OGI                      | Bentley            | 32                            | 25        | 56        | 60        | 72               | 29        | 75        | 75        | 18        | 47            | 52                 |
| OGI                      | Billings           | 32                            | 28        | -         | -         | -                | -         | -         | -         | 25        | 44            | 55                 |
| Syngenta                 | Bob Dole           | -                             | 38        | -         | -         | -                | -         | -         | -         | 37        | 49            | 45                 |
| PlainsGold               | Brawl CL Plus      | -                             | -         | 61        | -         | -                | 31        | 76        | 72        | -         | -             | 45                 |
| PlainsGold               | Byrd               | -                             | -         | 51        | -         | -                | 35        | 74        | 67        | -         | -             | 47                 |
| OGI                      | Doublestop CL Plus | 29                            | 32        | 64        | 58        | 61               | 33        | 84        | 75        | 33        | 48            | 46                 |
| OGI                      | Duster             | 33                            | 34        | 52        | 57        | 61               | 32        | 75        | 59        | 37        | 56            | 52                 |
| OSU                      | Endurance          | 32                            | 24        | 58        | 60        | 64               | 31        | 67        | 66        | 29        | 41            | 42                 |
| OGI                      | Gallagher          | 32                            | 32        | 57        | 72        | 76               | 26        | 66        | 71        | 28        | 48            | 45                 |
| AGSECO                   | Hot Rod            | -                             | 29        | -         | -         | -                | -         | -         | -         | 45        | 54            | 50                 |
| OGI                      | Iba                | 33                            | 32        | 62        | 70        | 68               | 35        | 82        | 77        | 30        | 53            | 50                 |
| KWA                      | Joe                | 26                            | 39        | 68        | -         | -                | 49        | 89        | 89        | 34        | 50            | 55                 |
| PlainsGold               | Langin             | -                             | -         | 55        | -         | -                | 35        | -         | 73        | -         | -             | 42                 |
| KWA                      | Larry              | 24                            | 20        | 60        | -         | -                | 30        | 75        | 72        | 16        | 42            | 49                 |
| LCS                      | LCS Chrome         | 20                            | 26        | 66        | 68        | 72               | 33        | 76        | 77        | 29        | 39            | 42                 |
| LCS                      | LCS Mint           | 28                            | 22        | 64        | 51        | 68               | 36        | 71        | 62        | 14        | 32            | 43                 |
| LCS                      | LCS Pistol         | 30                            | 27        | 55        | 59        | 64               | 42        | 75        | 64        | 27        | 48            | 48                 |
| LCS                      | LCS Wizard         | -                             | 26        | -         | -         | -                | -         | -         | -         | 30        | 47            | 48                 |
| OGI                      | Lonerider          | 35                            | -         | 54        | -         | -                | 32        | -         | -         | -         | -             | 54                 |
| Dyna-Gro                 | Long Branch        | -                             | 32        | -         | -         | -                | -         | -         | -         | 24        | 45            | 48                 |
| OGI                      | NF 101             | -                             | 23        | -         | -         | -                | -         | -         | -         | 36        | 52            | 46                 |
| OGI                      | Ruby Lee           | 41                            | 27        | 59        | 67        | 73               | 23        | 74        | 74        | 33        | 49            | 44                 |
| OGI                      | Smith's Gold       | -                             | 34        | 55        | 66        | 66               | 30        | -         | 66        | 34        | 54            | 46                 |
| OGI                      | Spirit Rider       | -                             | -         | -         | -         | -                | 20        | -         | 71        | -         | -             | 39                 |
| OGI                      | Stardust           | -                             | 31        | -         | -         | -                | -         | -         | -         | 18        | 39            | 43                 |
| Syngenta                 | SY Achieve CL2     | -                             | 34        | -         | -         | -                | -         | -         | -         | 27        | 53            | 45                 |
| Syngenta                 | SY Benefit         | 44                            | 24        | -         | -         | -                | -         | -         | -         | 22        | 50            | 43                 |
| Syngenta                 | SY Drifter         | -                             | 30        | -         | -         | -                | -         | -         | -         | 32        | 41            | 51                 |
| Syngenta                 | SY Flint           | 35                            | 26        | -         | 51        | 59               | -         | -         | -         | 21        | 46            | 49                 |
| Syngenta                 | SY Grit            | -                             | 25        | -         | -         | -                | -         | -         | -         | 20        | 48            | 42                 |
| Syngenta                 | SY Llano           | 30                            | 30        | -         | 45        | 60               | -         | -         | -         | 27        | 43            | -                  |
| Syngenta                 | SY Monument        | 33                            | -         | 64        | -         | -                | 36        | 73        | 78        | -         | -             | 40                 |
| Syngenta                 | SY Razor           | -                             | 29        | -         | 60        | 56               | -         | -         | -         | 33        | 42            | -                  |
| Syngenta                 | SY Rugged          | -                             | 27        | -         | -         | -                | -         | -         | -         | 27        | 42            | 55                 |
| LCS                      | T158               | -                             | 31        | -         | -         | -                | -         | -         | -         | 26        | 56            | 57                 |
| Watley Seed              | TAM 112            | -                             | -         | 50        | -         | -                | 27        | 72        | 60        | -         | -             | 38                 |
| AGSECO                   | TAM 114            | -                             | 33        | -         | -         | -                | -         | -         | -         | 39        | 61            | 43                 |
| Watley Seed              | TAM 204            | 30                            | -         | 45        | 64        | 71               | 31        | -         | 66        | 14        | 42            | 57                 |
| KWA                      | Tatanka            | 30                            | 30        | 55        | -         | -                | 49        | -         | 73        | 25        | 49            | 52                 |
| WestBred                 | WB4269             | -                             | 39        | -         | -         | -                | -         | -         | -         | 38        | 57            | 53                 |
| WestBred                 | WB4303             | -                             | 28        | -         | -         | -                | -         | -         | -         | 29        | 51            | 46                 |
| WestBred                 | WB4458             | 31                            | 28        | -         | 70        | 76               | -         | -         | -         | 20        | 45            | 58                 |
| WestBred                 | WB4515             | -                             | 30        | -         | -         | -                | -         | -         | -         | 33        | 58            | 42                 |
| WestBred                 | WB4721             | -                             | 36        | -         | -         | -                | -         | -         | -         | 29        | 52            | 49                 |
| WestBred                 | WB-Cedar           | 36                            | 31        | 50        | -         | -                | 24        | -         | 64        | 40        | 58            | 46                 |
| WestBred                 | WB-Grainfield      | 31                            | -         | 66        | 68        | 85               | 37        | 81        | 84        | 30        | 61            | 49                 |
| WestBred                 | Winterhawk         | -                             | 34        | 55        | 76        | 83               | 36        | 76        | 83        | 30        | 58            | 54                 |
| KWA                      | Zenda              | -                             | 32        | -         | -         | -                | -         | -         | -         | 36        | 46            | 58                 |
| <b>OSU Experimentals</b> |                    |                               |           |           |           |                  |           |           |           |           |               |                    |
|                          | OK11755W-9W        | -                             | 28        | -         | -         | -                | -         | -         | -         | -         | -             | 51                 |
|                          | OK11D25005         | -                             | -         | -         | -         | -                | -         | -         | 78        | -         | -             | -                  |
|                          | OK12206-2          | 37                            | -         | 61        | -         | -                | -         | -         | 64        | -         | -             | 56                 |
|                          | OK12621            | 46                            | -         | -         | -         | -                | -         | -         | -         | -         | -             | -                  |
|                          | OK12716R/W         | 29                            | 28        | 62        | 62        | 63               | 29        | -         | 84        | 27        | 54            | 46                 |
|                          | OK12912C-2         | -                             | 32        | 65        | 60        | 60               | -         | -         | -         | -         | -             | -                  |
|                          | OK12D22002-077     | 24                            | 24        | 55        | 53        | 61               | 28        | -         | -         | 19        | 43            | 46                 |
|                          | OK12D22004-016     | 38                            | -         | -         | -         | -                | -         | -         | -         | -         | -             | 61                 |
|                          | OK13209            | 31                            | 30        | 63        | 66        | 63               | -         | -         | -         | 34        | 48            | -                  |
|                          | OK13621            | -                             | 33        | -         | -         | -                | -         | -         | -         | 29        | 54            | 52                 |
|                          | OK14319            | 28                            | -         | -         | -         | -                | -         | -         | 74        | -         | -             | -                  |
|                          | <b>Mean</b>        | <b>32</b>                     | <b>30</b> | <b>58</b> | <b>62</b> | <b>67</b>        | <b>33</b> | <b>76</b> | <b>72</b> | <b>29</b> | <b>48</b>     | <b>48</b>          |
|                          | <b>LSD (0.05)</b>  | <b>6</b>                      | <b>6</b>  | <b>5</b>  | <b>11</b> | <b>12</b>        | <b>6</b>  | <b>12</b> | <b>7</b>  | <b>7</b>  | <b>7</b>      | <b>8</b>           |

Partial financial support provided by the Oklahoma Wheat Commission and the Oklahoma Wheat Research Foundation



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| Source                   | Variety            | Homestead                     | Kildare   | Kingfisher | Lahoma    | Lahoma Fungicide | Marshall Dual-Purpose | Marshall Grain-Only | Thomas    | Union City | Walters   |
|--------------------------|--------------------|-------------------------------|-----------|------------|-----------|------------------|-----------------------|---------------------|-----------|------------|-----------|
|                          |                    | -----grain yield (bu/ac)----- |           |            |           |                  |                       |                     |           |            |           |
| AGSECO                   | AG Icon            | -                             | -         | -          | 65        | 67               | -                     | -                   | -         | -          | -         |
| AGSECO                   | AG Robust          | -                             | -         | -          | 65        | 75               | -                     | -                   | -         | -          | -         |
| PlainsGold               | Avery              | -                             | -         | -          | 37        | 67               | -                     | -                   | -         | -          | -         |
| OGI                      | Bentley            | 52                            | 57        | 20         | 53        | 79               | 20                    | 26                  | 58        | 42         | 19        |
| OGI                      | Billings           | 43                            | 34        | 18         | 54        | 66               | 20                    | 20                  | 66        | 26         | -         |
| Syngenta                 | Bob Dole           | -                             | -         | -          | 70        | 75               | -                     | -                   | -         | -          | -         |
| PlainsGold               | Brawl CL Plus      | -                             | -         | -          | 66        | 83               | -                     | -                   | -         | -          | -         |
| PlainsGold               | Byrd               | -                             | -         | -          | 48        | 80               | -                     | -                   | -         | -          | -         |
| OGI                      | Doublestop CL Plus | 53                            | 56        | 23         | 62        | 63               | -                     | 32                  | 58        | 40         | 20        |
| OGI                      | Duster             | 51                            | 46        | 26         | 50        | 64               | 24                    | 38                  | 63        | 34         | 19        |
| OSU                      | Endurance          | 44                            | 45        | 19         | 48        | 63               | 24                    | 33                  | 56        | 31         | 15        |
| OGI                      | Gallagher          | 51                            | 45        | 24         | 67        | 76               | 22                    | 30                  | 71        | 36         | 17        |
| AGSECO                   | Hot Rod            | -                             | -         | -          | 83        | 92               | -                     | -                   | -         | -          | -         |
| OGI                      | Iba                | 52                            | 55        | 21         | 56        | 71               | -                     | 40                  | 65        | 32         | 19        |
| KWA                      | Joe                | 53                            | 57        | -          | 72        | 77               | 36                    | 44                  | 68        | -          | -         |
| PlainsGold               | Langin             | -                             | -         | -          | 60        | 84               | -                     | -                   | -         | -          | -         |
| KWA                      | Larry              | 45                            | 51        | 17         | 43        | 77               | -                     | 16                  | 50        | -          | -         |
| LCS                      | LCS Chrome         | 55                            | 52        | 32         | 58        | 66               | 16                    | 34                  | 61        | 40         | 21        |
| LCS                      | LCS Mint           | 51                            | 40        | -          | 40        | 58               | 14                    | 17                  | 54        | 34         | 12        |
| LCS                      | LCS Pistol         | 50                            | 46        | -          | 49        | 72               | 11                    | 20                  | 56        | 36         | 20        |
| LCS                      | LCS Wizard         | -                             | -         | -          | 51        | 69               | -                     | -                   | -         | -          | -         |
| OGI                      | Lonerider          | 53                            | -         | -          | -         | -                | -                     | -                   | 74        | -          | -         |
| Dyna-Gro                 | Long Branch        | -                             | -         | -          | 45        | 67               | -                     | -                   | -         | -          | -         |
| OGI                      | NF 101             | -                             | -         | -          | 62        | 75               | -                     | -                   | -         | -          | -         |
| OGI                      | Ruby Lee           | 56                            | 49        | 19         | 64        | 77               | 20                    | 29                  | 53        | 26         | 19        |
| OGI                      | Smith's Gold       | 47                            | 44        | 25         | 64        | 78               | 28                    | 28                  | 64        | 47         | 17        |
| OGI                      | Spirit Rider       | -                             | 50        | -          | -         | -                | -                     | -                   | -         | -          | -         |
| OGI                      | Stardust           | 42                            | -         | -          | 45        | 62               | 14                    | 21                  | -         | -          | -         |
| Syngenta                 | SY Achieve CL2     | -                             | -         | -          | 65        | 82               | -                     | -                   | -         | -          | -         |
| Syngenta                 | SY Benefit         | -                             | -         | -          | 51        | 74               | -                     | -                   | -         | -          | -         |
| Syngenta                 | SY Drifter         | -                             | -         | -          | 60        | 70               | -                     | -                   | -         | -          | -         |
| Syngenta                 | SY Flint           | 43                            | 54        | 22         | 56        | 70               | 19                    | 27                  | 52        | 42         | 17        |
| Syngenta                 | SY Grit            | -                             | -         | -          | 54        | 80               | -                     | -                   | -         | -          | -         |
| Syngenta                 | SY Llano           | 36                            | 35        | 18         | 58        | 71               | 14                    | -                   | 52        | 33         | 15        |
| Syngenta                 | SY Monument        | 55                            | 48        | 23         | 72        | 84               | 29                    | 40                  | 65        | -          | -         |
| Syngenta                 | SY Razor           | -                             | -         | -          | -         | -                | -                     | -                   | -         | 44         | 12        |
| Syngenta                 | SY Rugged          | -                             | -         | -          | 62        | 74               | -                     | -                   | -         | -          | -         |
| LCS                      | T158               | -                             | -         | -          | 55        | 83               | -                     | -                   | -         | -          | -         |
| Watley Seed              | TAM 112            | -                             | -         | -          | 36        | 67               | -                     | -                   | -         | -          | -         |
| AGSECO                   | TAM 114            | -                             | -         | -          | 69        | 89               | -                     | -                   | -         | -          | -         |
| Watley Seed              | TAM 204            | 47                            | 46        | 25         | 49        | 77               | 16                    | 14                  | 53        | 43         | 16        |
| KWA                      | Tatanka            | 53                            | 51        | -          | 53        | 77               | 14                    | 22                  | 57        | -          | -         |
| WestBred                 | WB4269             | -                             | -         | -          | 78        | 88               | -                     | -                   | -         | -          | -         |
| WestBred                 | WB4303             | -                             | -         | -          | 69        | 80               | -                     | -                   | -         | -          | -         |
| WestBred                 | WB4458             | 49                            | 47        | 16         | 59        | 75               | 21                    | 27                  | 54        | 35         | 12        |
| WestBred                 | WB4515             | -                             | -         | -          | 67        | 88               | -                     | -                   | -         | -          | -         |
| WestBred                 | WB4721             | -                             | -         | -          | 64        | 82               | -                     | -                   | -         | -          | -         |
| WestBred                 | WB-Cedar           | 42                            | 37        | 23         | 62        | 72               | 34                    | 31                  | 63        | 38         | -         |
| WestBred                 | WB-Grainfield      | 56                            | 62        | 26         | 64        | 88               | 17                    | 31                  | 60        | 32         | 15        |
| WestBred                 | Winterhawk         | -                             | -         | -          | 64        | 82               | -                     | -                   | -         | -          | 19        |
| KWA                      | Zenda              | -                             | -         | -          | 67        | 82               | -                     | -                   | -         | -          | -         |
| <b>OSU Experimentals</b> |                    |                               |           |            |           |                  |                       |                     |           |            |           |
|                          | OK11755W-9W        | -                             | -         | -          | 52        | 78               | -                     | -                   | -         | -          | -         |
|                          | OK11D25005         | -                             | -         | -          | -         | -                | -                     | 29                  | -         | 22         | 21        |
|                          | OK12206-2          | -                             | -         | -          | 61        | 78               | 17                    | 28                  | -         | -          | -         |
|                          | OK12621            | -                             | -         | -          | -         | -                | 21                    | 35                  | -         | -          | -         |
|                          | OK12716R/W         | 48                            | 56        | 27         | 61        | 77               | 21                    | 27                  | 59        | 49         | 22        |
|                          | OK12912C-2         | 44                            | -         | 21         | 70        | 67               | -                     | -                   | -         | -          | -         |
|                          | OK12D22002-077     | 39                            | 44        | 18         | 48        | 62               | -                     | -                   | -         | -          | -         |
|                          | OK12D22004-016     | -                             | -         | -          | 69        | 84               | -                     | -                   | -         | -          | -         |
|                          | OK13209            | 43                            | -         | 17         | 77        | 77               | -                     | -                   | -         | -          | -         |
|                          | OK13621            | -                             | -         | -          | 68        | 78               | -                     | -                   | -         | -          | -         |
|                          | OK14319            | -                             | -         | -          | -         | -                | 28                    | 40                  | -         | 43         | -         |
|                          | <b>Mean</b>        | <b>48</b>                     | <b>48</b> | <b>22</b>  | <b>59</b> | <b>75</b>        | <b>21</b>             | <b>29</b>           | <b>60</b> | <b>37</b>  | <b>17</b> |
|                          | <b>LSD (0.05)</b>  | <b>8</b>                      | <b>7</b>  | <b>5</b>   | <b>8</b>  | <b>8</b>         | <b>6</b>              | <b>8</b>            | <b>7</b>  | <b>7</b>   | <b>2</b>  |

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