

Maryland State Wheat Trials 2015-16 Yield Summary Table

| Brand                               | Entry        | Statewide                  |                                | Wye           |                   | Beltsville    |                   | Quantico      |                   | Woodsboro     |                   |
|-------------------------------------|--------------|----------------------------|--------------------------------|---------------|-------------------|---------------|-------------------|---------------|-------------------|---------------|-------------------|
|                                     |              | Yield <sup>†</sup><br>bu/A | Test Wt <sup>†</sup><br>lbs/bu | Yield<br>bu/A | Test Wt<br>lbs/bu | Yield<br>bu/A | Test Wt<br>lbs/bu | Yield<br>bu/A | Test Wt<br>lbs/bu | Yield<br>bu/A | Test Wt<br>lbs/bu |
| Growmark FS                         | FSX 872      | 82.5 *                     | 55.5                           | 81.9          | 54.1              | 85.2 *        | 52.6              | 67.1 *        | 55.1              | 95.8 *        | 60.5              |
| Pioneer                             | P 25R40      | 82.2 *                     | 56.1                           | 83.1 *        | 56.3              | 78.1 *        | 51.2              | 70.9 *        | 56.0              | 96.7 *        | 60.9              |
| UniSouth Genetics                   | USG 3895     | 82.1 *                     | 54.4                           | 84.7 *        | 53.4              | 75.0 *        | 51.7              | 72.2 *        | 53.4              | 96.6 *        | 58.9              |
| Southern States                     | SS 8415      | 81.1 *                     | 54.8                           | 79.3 *        | 56.1              | 68.1          | 49.7              | 72.1 *        | 56.3              | 104.9         | 57.2              |
| Eddie Mercer Agriservices           | MBX 16-A-206 | 80.8 *                     | 55.1                           | 88.4 *        | 54.0              | 67.2          | 52.8              | 70.0 *        | 54.2              | 97.5 *        | 59.5              |
| Growmark FS                         | FSX 870      | 80.5 *                     | 55.2                           | 81.6          | 54.8              | 77.5 *        | 51.0              | 70.0 *        | 55.4              | 92.8 *        | 59.7              |
| Virginia Tech University            | Hilliard     | 79.6 *                     | 55.3                           | 85.6          | 55.8              | 70.0          | 49.2              | 65.6 *        | 55.9              | 97.4 *        | 60.2              |
| UniSouth Genetics                   | USG 3201     | 79.4 *                     | 57.2                           | 84.5 *        | 58.8              | 69.9          | 50.9              | 70.4 *        | 57.9              | 92.7 *        | 61.0              |
| Growmark FS                         | FS 850       | 79.3 *                     | 55.9                           | 65.4          | 56.1              | 80.9 *        | 52.2              | 72.0 *        | 55.7              | 99.0 *        | 59.7              |
| Southern States                     | SS 8360      | 79.1 *                     | 55.0                           | 80.1 *        | 55.7              | 74.5 *        | 50.4              | 60.8          | 53.5              | 100.9 *       | 60.4              |
| Pioneer                             | P 25R50      | 78.9 *                     | 54.1                           | 75.7          | 53.6              | 73.5 *        | 50.3              | 64.9 *        | 53.3              | 101.4 *       | 59.3              |
| Growmark FS                         | FS 860       | 78.8 *                     | 54.5                           | 76.5          | 54.2              | 69.0          | 49.5              | 65.5 *        | 54.0              | 104.1         | 60.3              |
| Dyna-Gro                            | DG 9552      | 78.7 *                     | 55.8                           | 84.6          | 55.2              | 64.1          | 52.5              | 64.5 *        | 54.9              | 101.6 *       | 60.7              |
| Seedway                             | SW 63SR      | 78.7 *                     | 54.6                           | 69.1          | 52.5              | 83.0 *        | 51.9              | 62.5          | 53.2              | 100.2 *       | 60.9              |
| Syngenta                            | SY Viper     | 78.5 *                     | 56.8                           | 85.8 *        | 56.9              | 66.5          | 51.4              | 71.2 *        | 58.4              | 90.7 *        | 60.6              |
| UniSouth Genetics                   | USG 3197     | 78.5 *                     | 54.7                           | 85.6 *        | 54.0              | 68.2          | 50.9              | 68.1 *        | 54.2              | 92.0 *        | 59.8              |
| Limagrain Cereal Seeds              | L11941       | 78.3 *                     | 56.0                           | 77.4          | 55.3              | 66.4          | 50.4              | 66.9 *        | 57.5              | 102.5 *       | 60.9              |
| Limagrain Cereal Seeds              | L11541       | 77.7 *                     | 56.1                           | 75.0          | 55.6              | 67.7          | 51.8              | 69.8 *        | 56.8              | 98.4 *        | 60.2              |
| Syngenta                            | SY 483       | 77.7 *                     | 55.4                           | 69.0          | 55.4              | 73.8 *        | 50.6              | 64.5 *        | 55.2              | 103.3 *       | 60.4              |
| Mid-Atlantic Seeds                  | MAS#67       | 77.6 *                     | 50.7                           | 82.3          | 52.9              | 73.9 *        | 50.4              | 52.4          | 53.6              | 102.0 *       | 59.1              |
| Dyna-Gro                            | DG SHIRLEY   | 77.6 *                     | 54.2                           | 77.6          | 50.1              | 63.6          | 51.8              | 68.3 *        | 54.7              | 100.8 *       | 60.0              |
| UniSouth Genetics                   | USG 3251     | 77.3 *                     | 55.4                           | 72.7          | 55.4              | 69.8          | 51.3              | 64.5 *        | 54.9              | 102.1 *       | 59.8              |
| Syngenta                            | SY 007       | 77.2 *                     | 55.0                           | 63.2          | 55.6              | 82.8 *        | 51.8              | 59.7          | 54.8              | 103.1 *       | 57.7              |
| Eddie Mercer Agriservices           | MBX 14-K-297 | 76.7 *                     | 55.0                           | 73.4          | 54.8              | 68.5          | 51.0              | 67.5 *        | 54.3              | 97.5 *        | 59.8              |
| UniSouth Genetics                   | USG 3013     | 76.6 *                     | 55.7                           | 71.4          | 54.8              | 75.7 *        | 53.3              | 60.6          | 53.9              | 98.8 *        | 60.9              |
| Virginia Tech University            | VA12W-72     | 76.5 *                     | 56.6                           | 73.3          | 56.9              | 70.7          | 51.7              | 67.9 *        | 56.8              | 93.9 *        | 60.9              |
| University of Maryland              | 15 MW 133    | 76.5 *                     | 56.2                           | 71.9          | 55.8              | 71.5 *        | 51.7              | 65.8 *        | 56.8              | 96.7 *        | 60.5              |
| Southern States                     | SS 8340      | 76.0 *                     | 56.4                           | 81.1 *        | 58.2              | 72.8 *        | 50.4              | 63.5          | 56.7              | 86.5          | 60.5              |
| UniSouth Genetics                   | USG 3404     | 76.0 *                     | 54.7                           | 78.1 *        | 54.5              | 75.2 *        | 50.8              | 57.5          | 53.6              | 93.1 *        | 60.0              |
| Dyna-Gro                            | DG 9522      | 75.8 *                     | 54.9                           | 76.8          | 54.1              | 68.4          | 51.8              | 62.8          | 53.3              | 95.4 *        | 60.4              |
| Southern States                     | SS 8513      | 75.8 *                     | 56.9                           | 75.1          | 57.9              | 62.6          | 51.5              | 67.1 *        | 58.2              | 98.5 *        | 60.0              |
| Syngenta                            | SY 547       | 75.8 *                     | 55.1                           | 70.5          | 54.9              | 61.9          | 49.4              | 70.0 *        | 56.8              | 100.6 *       | 59.6              |
| Mid-Atlantic Seeds                  | MAS#425      | 75.7 *                     | 53.8                           | 56.9          | 52.0              | 79.1 *        | 49.5              | 68.3 *        | 53.5              | 98.7 *        | 60.4              |
| Southern States                     | SS EXP 8550  | 75.7 *                     | 55.8                           | 75.2          | 54.6              | 63.5          | 50.7              | 65.3 *        | 57.3              | 98.6 *        | 60.5              |
| Dyna-Gro                            | DG 9223      | 75.4 *                     | 55.1                           | 66.3          | 54.8              | 74.5 *        | 52.7              | 61.3          | 54.0              | 99.6 *        | 59.0              |
| Seedway                             | SW 59SR      | 75.3 *                     | 55.1                           | 78.8 *        | 54.6              | 60.0          | 51.6              | 63.4          | 53.9              | 99.1 *        | 60.4              |
| Growmark FS                         | FSX 871      | 74.8 *                     | 54.1                           | 75.3          | 53.4              | 68.3          | 49.8              | 60.1          | 53.9              | 95.6 *        | 59.3              |
| UniSouth Genetics                   | USG 3523     | 74.8 *                     | 55.1                           | 73.6          | 55.2              | 62.9          | 50.1              | 61.2          | 54.7              | 101.5 *       | 60.4              |
| Limagrain Cereal Seeds              | L3677        | 74.7 *                     | 55.0                           | 65.6          | 53.6              | 83.7 *        | 52.4              | 56.0          | 53.2              | 93.6 *        | 60.8              |
| Eddie Mercer Agriservices           | MBX 15-E-229 | 74.5 *                     | 52.8                           | 70.0          | 49.9              | 74.5 *        | 50.0              | 61.6          | 51.0              | 91.9 *        | 60.3              |
| Eddie Mercer Agriservices           | MBX 14-S-210 | 74.4 *                     | 55.0                           | 68.3          | 54.8              | 75.0 *        | 51.0              | 59.3          | 53.9              | 95.0 *        | 60.4              |
| Mid-Atlantic Seeds                  | MAS#7        | 74.3 *                     | 54.3                           | 63.7          | 53.3              | 79.2 *        | 49.6              | 58.2          | 54.7              | 96.2 *        | 59.7              |
| University of Maryland              | 15 MW 315    | 74.2 *                     | 56.6                           | 67.6          | 57.5              | 72.2 *        | 49.9              | 55.8          | 58.3              | 101.1 *       | 60.7              |
| Eddie Mercer Agriservices           | MBX 11-V-258 | 73.8 *                     | 54.9                           | 58.7          | 52.5              | 77.4 *        | 51.2              | 62.9          | 55.4              | 96.3 *        | 60.7              |
| University of Maryland              | 15 MDX 19    | 73.7 *                     | 56.0                           | 64.9          | 55.3              | 78.1 *        | 52.8              | 53.5          | 55.7              | 98.1 *        | 60.2              |
| Eddie Mercer Agriservices           | MBX 16-B-203 | 73.3 *                     | 54.1                           | 71.4          | 53.4              | 53.7          | 49.8              | 65.1 *        | 52.7              | 102.9 *       | 60.6              |
| Dyna-Gro                            | WX 16771     | 73.0 *                     | 55.2                           | 68.9          | 54.7              | 67.9          | 50.9              | 56.7          | 55.0              | 98.7 *        | 60.1              |
| UniSouth Genetics                   | USG 3316     | 72.7 *                     | 54.4                           | 57.0          | 53.4              | 71.2 *        | 51.2              | 63.8          | 53.1              | 98.7 *        | 59.9              |
| Growmark FS                         | FS 854       | 72.4 *                     | 54.3                           | 71.1          | 53.7              | 65.0          | 50.0              | 58.2          | 53.5              | 95.3 *        | 59.9              |
| Growmark FS                         | FS 865       | 71.9 *                     | 54.3                           | 60.8          | 52.7              | 68.1          | 50.3              | 63.8          | 53.5              | 95.0 *        | 60.5              |
| Southern States                     | SS 8530      | 71.5 *                     | 52.0                           | 59.7          | 50.0              | 70.9 *        | 49.8              | 59.8          | 49.0              | 95.7 *        | 59.2              |
| University of Maryland              | 15 MDX 20    | 71.1 *                     | 56.1                           | 74.5          | 55.6              | 55.3          | 52.8              | 59.9          | 55.6              | 94.6 *        | 60.5              |
| Dyna-Gro                            | DG 9692      | 70.9 *                     | 54.0                           | 56.5          | 51.7              | 66.8          | 50.7              | 57.0          | 52.3              | 103.2 *       | 61.3              |
| Mid-Atlantic Seeds                  | MAS#6        | 70.7 *                     | 53.7                           | 60.6          | 52.1              | 70.9 *        | 51.3              | 50.1          | 51.1              | 101.4 *       | 60.1              |
| Mid-Atlantic Seeds                  | MAS#66       | 69.5                       | 55.7                           | 57.9          | 55.8              | 75.5 *        | 51.2              | 52.5          | 56.1              | 92.2 *        | 59.5              |
| University of Maryland              | 15 MW 64-134 | 68.7                       | 56.7                           | 59.7          | 58.3              | 67.3          | 51.1              | 51.8          | 57.0              | 96.1 *        | 60.4              |
| Virginia Tech University            | Jamestown    | 67.6                       | 57.9                           | 66.4          | 61.5              | 64.2          | 51.0              | 52.4          | 59.1              | 87.5          | 59.9              |
| <b>Mean</b>                         |              | 76.0                       | 55.1                           | 72.5          | 54.7              | 71.0          | 51.0              | 63.0          | 54.9              | 97.6          | 60.1              |
| <b>Coefficient of Variation (%)</b> |              | 11.7                       | 4.0                            | 14.3          | 4                 | 12.8          | 6.3               | 11.1          | 3.7               | 8.7           | 2.1               |
| <b>LSD<sub>05</sub><sup>†</sup></b> |              | 11.8                       | 2.7                            | 10.4          | 1.2               | 14.3          | 3.9               | 7.8           | 1.3               | 14.7          | 2.1               |

<sup>†</sup> All yields and test weights are reported at a 13.5% grain moisture content.

<sup>‡</sup> Values followed by \* are not significantly different from the leading entry.

|                      |               |                       |                        |                        |
|----------------------|---------------|-----------------------|------------------------|------------------------|
| <b>Plant Date</b>    | 13-Oct        | 9-Oct                 | 8-Oct                  | 15-Oct                 |
| <b>Harvest Date</b>  | 27-Jun        | 1-Jul                 | 24-Jun                 | 2-Jul                  |
| <b>Tillage</b>       | Minimum       | Minimum               | Minimum                | Conventional           |
| <b>Fertilization</b> | 100 lbs March | 45lbs Mar., 45lbs Apr | 45lbs Mar., 45lbs Apr. | 70lbs Mar, 30 lbs Apr. |
| <b>Weed Control</b>  | Harmony       | Harmony Extra         | Harmony Extra          | Grizzly                |
| <b>Fungicide</b>     |               |                       |                        | Presario               |

**Maryland State Wheat Trials 2015-16 Trait and Disease Summary Table**

| Brand                     | Entry # Test Sites | 2016         | Height | Awn   | BYD    | Powd   | Powd   | Rust |
|---------------------------|--------------------|--------------|--------|-------|--------|--------|--------|------|
|                           |                    | Heading (in) | Type   | Virus | Mildew | Mildew | Stripe |      |
|                           |                    | Date         |        |       | 1-9    | 1-9    | 1-9    | 1-9  |
|                           |                    | Julian       |        |       |        |        |        |      |
|                           |                    | Days         |        |       | (1)    | (1)    | (1)    | (1)  |
| University of Maryland    | 15 MDX 19          | 117          | 35     | A     | 2      | 0      | 0      | 0    |
| University of Maryland    | 15 MDX 20          | 118          | 36     | A     | 2      | 0      | 0      | 0    |
| University of Maryland    | 15 MW 133          | 126          | 35     | AI    | 1      | 1      | 0      | 0    |
| University of Maryland    | 15 MW 315          | 115          | 34     | A     | 1      | 0      | 1      | 1    |
| University of Maryland    | 15 MW 64-134       | 112          | 42     | A     | 1      | 0      | 0      | 0    |
| Dyna-Gro                  | DG 9223            | 125          | 39     | AI    | 2      | 4      | 5      | 0    |
| Dyna-Gro                  | DG 9522            | 126          | 35     | A     | 1      | 0      | 4      | 0    |
| Dyna-Gro                  | DG 9552            | 125          | 35     | A     | 1      | 0      | 4      | 0    |
| Dyna-Gro                  | DG 9692            | 125          | 34     | A     | 3      | 4      | 6      | 6    |
| Dyna-Gro                  | DG SHIRLEY         | 125          | 34     | TA    | 1      | 0      | 0      | 4    |
| Growmark FS               | FS 850             | 118          | 41     | AI    | 1      | 0      | 1      | 1    |
| Growmark FS               | FS 854             | 126          | 40     | A     | 1      | 1      | 5      | 0    |
| Growmark FS               | FS 860             | 122          | 40     | A     | 1      | 0      | 4      | 2    |
| Growmark FS               | FS 865             | 126          | 37     | A     | 4      | 5      | 7      | 5    |
| Growmark FS               | FSX 870            | 125          | 39     | A     | 1      | 0      | 2      | 3    |
| Growmark FS               | FSX 871            | 122          | 38     | AI    | 2      | 0      | 5      | 1    |
| Growmark FS               | FSX 872            | 124          | 37     | AI    | 0      | 1      | 2      | 0    |
| Virginia Tech University  | Hilliard           | 122          | 39     | A     | 0      | 0      | 0      | 0    |
| Virginia Tech University  | Jamestown          | 112          | 33     | A     | 1      | 0      | 1      | 0    |
| Limagrains Cereal Seeds   | L 11541            | 125          | 38     | AI    | 1      | 0      | 0      | 1    |
| Limagrains Cereal Seeds   | L 11941            | 125          | 38     | AI    | 2      | 2      | 1      | 1    |
| Limagrains Cereal Seeds   | L 3677             | 124          | 39     | AI    | 1      | 0      | 5      | 5    |
| Mid-Atlantic Seeds        | MAS#425            | 126          | 39     | A     | 3      | 0      | 5      | 4    |
| Mid-Atlantic Seeds        | MAS#6              | 124          | 37     | A     | 1      | 1      | 4      | 0    |
| Mid-Atlantic Seeds        | MAS#66             | 119          | 37     | AI    | 3      | 3      | 3      | 1    |
| Mid-Atlantic Seeds        | MAS#67             | 121          | 37     | AI    | 2      | 3      | 4      | 1    |
| Mid-Atlantic Seeds        | MAS#7              | 125          | 39     | AI    | 1      | 0      | 1      | 1    |
| Eddie Mercer Agriservices | MBX 11-V-258       | 122          | 43     | AI    | 1      | 0      | 1      | 7    |
| Eddie Mercer Agriservices | MBX 14-K-297       | 125          | 40     | AI    | 2      | 2      | 4      | 0    |
| Eddie Mercer Agriservices | MBX 14-S-210       | 126          | 41     | A     | 1      | 0      | 0      | 1    |
| Eddie Mercer Agriservices | MBX 15-E-229       | 120          | 37     | A     | 1      | 0      | 3      | 3    |
| Eddie Mercer Agriservices | MBX 16-A-206       | 125          | 38     | A     | 3      | 0      | 5      | 1    |
| Eddie Mercer Agriservices | MBX 16-B-203       | 126          | 37     | A     | 2      | 0      | 7      | 3    |
| Pioneer                   | P 25R40            | 126          | 37     | A     | 1      | 0      | 0      | 0    |
| Pioneer                   | P 25R50            | 126          | 34     |       | 1      | 0      | 2      | 1    |
| Southern States           | SS 8340            | 125          | 38     | A     | 3      | 0      | 5      | 0    |
| Southern States           | SS 8360            | 126          | 40     | A     | 1      | 0      | 3      | 0    |
| Southern States           | SS 8415            | 118          | 41     | AI    | 1      | 0      | 1      | 0    |
| Southern States           | SS 8513            | 115          | 40     | AI    | 1      | 0      | 2      | 4    |
| Southern States           | SS 8530            | 120          | 38     | A     | 1      | 0      | 2      | 0    |
| Southern States           | SS EXP 8550        | 126          | 40     | A     | 1      | 0      | na     | 1    |
| Seedway                   | SW 59SR            | 122          | 31     | A     | 4      | 0      | 4      | 3    |
| Seedway                   | SW 63SR            | 126          | 35     | A     | 0      | 0      | 7      | 1    |
| Syngenta                  | SY 007             | 118          | 27     | AI    | 1      | 0      | 1      | 0    |
| Syngenta                  | SY 483             | 126          | 35     | AI    | 1      | 0      | 1      | 3    |
| Syngenta                  | Sy 547             | 122          | 31     | AI    | 0      | 0      | 0      | 0    |
| Syngenta                  | SY Viper           | 120          | 29     | TA    | 2      | 3      | 0      | 0    |
| UniSouth Genetics         | USG 3013           | 126          | 39     | AI    | 3      | 0      | 7      | 2    |
| UniSouth Genetics         | USG 3197           | 121          | 41     | A     | 2      | 0      | 4      | 1    |
| UniSouth Genetics         | USG 3201           | 126          | 39     | A     | 1      | 0      | 3      | 0    |
| UniSouth Genetics         | USG 3251           | 126          | 43     | A     | 2      | 0      | 2      | 0    |
| UniSouth Genetics         | USG 3316           | 126          | 39     | A     | 0      | 0      | 7      | 0    |
| UniSouth Genetics         | USG 3404           | 126          | 39     | A     | 1      | 0      | 5      | 1    |
| UniSouth Genetics         | USG 3523           | 126          | 39     | A     | 2      | 0      | 6      | 0    |
| UniSouth Genetics         | USG 3895           | 125          | 35     | A     | 2      | 0      | 5      | 0    |
| Virginia Tech University  | VA12W-72           | 118          | 37     | A     | 3      | 0      | 0      | 3    |
| Dyna-Gro                  | WX 16771           | 124          | 35     | A     | 1      | 0      | 7      | 0    |

**2015-2016 Maryland State Wheat Variety Trial Two and Three Year Means**

| Brand                     | Entry        | Two Year                   |                                | Three Year                 |                                | 2014-2015                  |                                | 2013-2014                  |                                | 2015-2016                  |                                |
|---------------------------|--------------|----------------------------|--------------------------------|----------------------------|--------------------------------|----------------------------|--------------------------------|----------------------------|--------------------------------|----------------------------|--------------------------------|
|                           |              | Yield <sup>†</sup><br>bu/A | Test Wt <sup>†</sup><br>lbs/bu | Yield <sup>†</sup><br>bu/A | Test Wt <sup>†</sup><br>lbs/bu | Yield <sup>†</sup><br>bu/A | Test Wt <sup>†</sup><br>lbs/bu | Yield <sup>†</sup><br>bu/A | Test Wt <sup>†</sup><br>lbs/bu | Yield <sup>†</sup><br>bu/A | Test Wt <sup>†</sup><br>lbs/bu |
| Syngenta                  | SY 007       | 65.1                       | 53.4                           | 67.2                       | 55.7                           | 53.1                       | 51.7                           | 71.4                       | 60.5                           | 77.2                       | 55.0                           |
| Southern States           | SS 8340      | 65.9                       | 54.9                           | 69.9                       | 57.2                           | 55.9                       | 53.4                           | 77.8                       | 61.7                           | 76.0                       | 56.4                           |
| Mid-Atlantic Seeds        | MAS#7        | 66.4                       | 53.5                           | 70.2                       | 55.1                           | 58.6                       | 52.6                           | 77.6                       | 58.4                           | 74.3                       | 54.3                           |
| Eddie Mercer Agriservices | MBX 14-K-297 | 66.5                       | 53.4                           | 70.0                       | 54.6                           | 56.2                       | 51.9                           | 76.9                       | 56.8                           | 76.7                       | 55.0                           |
| Growmark FS               | FS 854       | 66.6                       | 53.6                           | 72.0                       | 55.5                           | 60.7                       | 52.9                           | 83.0                       | 59.4                           | 72.4                       | 54.3                           |
| Eddie Mercer Agriservices | MBX 11-V-258 | 67.6                       | 54.1                           | 70.0                       | 55.9                           | 61.4                       | 53.2                           | 74.9                       | 59.4                           | 73.8                       | 54.9                           |
| Syngenta                  | SY 483       | 68.4                       | 53.9                           | 68.4                       | 53.9                           | 59.2                       | 52.5                           | -                          | -                              | 77.7                       | 55.4                           |
| Southern States           | SS 8360      | 69.4                       | 53.7                           | 75.6                       | 55.7                           | 59.7                       | 52.3                           | 88.0                       | 59.9                           | 79.1                       | 55.0                           |
| UniSouth Genetics         | USG 3404     | 69.4                       | 53.7                           | 75.8                       | 55.5                           | 62.9                       | 52.7                           | 88.6                       | 59.3                           | 76.0                       | 54.7                           |
| UniSouth Genetics         | USG 3251     | 69.5                       | 53.5                           | 72.5                       | 55.5                           | 61.8                       | 51.6                           | 78.3                       | 59.5                           | 77.3                       | 55.4                           |
| Dyna-Gro                  | DG SHIRLEY   | 70.0                       | 53.8                           | 73.1                       | 55.3                           | 62.3                       | 53.5                           | 79.4                       | 58.3                           | 77.6                       | 54.2                           |
| UniSouth Genetics         | USG 3201     | 70.1                       | 55.7                           | 74.3                       | 57.9                           | 60.9                       | 54.3                           | 82.6                       | 62.2                           | 79.4                       | 57.2                           |
| Growmark FS               | FS 850       | 70.7                       | 55.3                           | 73.4                       | 56.8                           | 62.1                       | 54.7                           | 78.8                       | 59.8                           | 79.3                       | 55.9                           |
| Dyna-Gro                  | DG 9223      | 70.8                       | 55.4                           | 72.8                       | 56.1                           | 66.2                       | 55.6                           | 76.8                       | 57.6                           | 75.4                       | 55.1                           |
| Southern States           | SS 8415      | 71.7                       | 54.3                           | 74.5                       | 56.1                           | 62.3                       | 53.8                           | 80.1                       | 59.8                           | 81.1                       | 54.8                           |
| UniSouth Genetics         | USG 3523     | 72.1                       | 54.0                           | 74.8                       | 55.7                           | 69.4                       | 52.9                           | 80.2                       | 59.2                           | 74.8                       | 55.1                           |
| University of Maryland    | 15 MDX 19    | -                          | -                              | -                          | -                              | -                          | -                              | -                          | -                              | 73.7                       | 56.0                           |
| University of Maryland    | 15 MDX 20    | -                          | -                              | -                          | -                              | -                          | -                              | -                          | -                              | 71.1                       | 56.1                           |
| University of Maryland    | 15 MW 133    | -                          | -                              | -                          | -                              | -                          | -                              | -                          | -                              | 76.5                       | 56.2                           |
| University of Maryland    | 15 MW 315    | -                          | -                              | -                          | -                              | -                          | -                              | -                          | -                              | 74.2                       | 56.6                           |
| University of Maryland    | 15 MW 64-134 | -                          | -                              | -                          | -                              | -                          | -                              | -                          | -                              | 68.7                       | 56.7                           |
| Dyna-Gro                  | DG 9522      | -                          | -                              | -                          | -                              | -                          | -                              | -                          | -                              | 75.8                       | 54.9                           |
| Dyna-Gro                  | DG 9552      | -                          | -                              | -                          | -                              | -                          | -                              | -                          | -                              | 78.7                       | 55.8                           |
| Dyna-Gro                  | DG 9692      | -                          | -                              | -                          | -                              | -                          | -                              | -                          | -                              | 70.9                       | 54.0                           |
| Growmark FS               | FS 860       | -                          | -                              | -                          | -                              | -                          | -                              | -                          | -                              | 78.8                       | 54.5                           |
| Growmark FS               | FS 865       | -                          | -                              | -                          | -                              | -                          | -                              | -                          | -                              | 71.9                       | 54.3                           |
| Growmark FS               | FSX 870      | -                          | -                              | -                          | -                              | -                          | -                              | -                          | -                              | 80.5                       | 55.2                           |
| Growmark FS               | FSX 871      | -                          | -                              | -                          | -                              | -                          | -                              | -                          | -                              | 74.8                       | 54.1                           |
| Growmark FS               | FSX 872      | -                          | -                              | -                          | -                              | -                          | -                              | -                          | -                              | 82.5                       | 55.5                           |
| Virginia Tech University  | Hilliard     | -                          | -                              | -                          | -                              | -                          | -                              | -                          | -                              | 79.6                       | 55.3                           |
| Virginia Tech University  | Jamestown    | -                          | -                              | -                          | -                              | -                          | -                              | -                          | -                              | 67.6                       | 57.9                           |
| Limagrain Cereal Seeds    | L 11541      | -                          | -                              | -                          | -                              | -                          | -                              | -                          | -                              | 77.7                       | 56.1                           |
| Limagrain Cereal Seeds    | L 11941      | -                          | -                              | -                          | -                              | -                          | -                              | -                          | -                              | 78.3                       | 56.0                           |
| Limagrain Cereal Seeds    | L 3677       | -                          | -                              | -                          | -                              | -                          | -                              | -                          | -                              | 74.7                       | 55.0                           |
| Mid-Atlantic Seeds        | MAS#425      | -                          | -                              | -                          | -                              | -                          | -                              | -                          | -                              | 75.7                       | 53.8                           |
| Mid-Atlantic Seeds        | MAS#6        | -                          | -                              | -                          | -                              | -                          | -                              | -                          | -                              | 70.7                       | 53.7                           |
| Mid-Atlantic Seeds        | MAS#66       | -                          | -                              | -                          | -                              | -                          | -                              | -                          | -                              | 69.5                       | 55.7                           |
| Mid-Atlantic Seeds        | MAS#67       | -                          | -                              | -                          | -                              | -                          | -                              | -                          | -                              | 77.6                       | 50.7                           |
| Eddie Mercer Agriservices | MBX 14-S-210 | -                          | -                              | -                          | -                              | -                          | -                              | -                          | -                              | 74.4                       | 55.0                           |
| Eddie Mercer Agriservices | MBX 15-E-229 | -                          | -                              | -                          | -                              | -                          | -                              | -                          | -                              | 74.5                       | 52.8                           |
| Eddie Mercer Agriservices | MBX 16-A-206 | -                          | -                              | -                          | -                              | -                          | -                              | -                          | -                              | 80.8                       | 55.1                           |
| Eddie Mercer Agriservices | MBX 16-B-203 | -                          | -                              | -                          | -                              | -                          | -                              | -                          | -                              | 73.3                       | 54.1                           |
| Pioneer                   | P 25R40      | -                          | -                              | -                          | -                              | -                          | -                              | -                          | -                              | 82.2                       | 56.1                           |
| Pioneer                   | P 25R50      | -                          | -                              | -                          | -                              | -                          | -                              | -                          | -                              | 78.9                       | 54.1                           |
| Southern States           | SS 8513      | -                          | -                              | -                          | -                              | -                          | -                              | -                          | -                              | 75.8                       | 56.9                           |
| Southern States           | SS 8530      | -                          | -                              | -                          | -                              | -                          | -                              | -                          | -                              | 71.5                       | 52.0                           |
| Southern States           | SS EXP 8550  | -                          | -                              | -                          | -                              | -                          | -                              | -                          | -                              | 75.7                       | 55.8                           |
| Seedway                   | SW 59SR      | -                          | -                              | -                          | -                              | -                          | -                              | -                          | -                              | 75.3                       | 55.1                           |
| Seedway                   | SW 63SR      | -                          | -                              | -                          | -                              | -                          | -                              | -                          | -                              | 78.7                       | 54.6                           |
| Syngenta                  | SY 547       | -                          | -                              | -                          | -                              | -                          | -                              | -                          | -                              | 75.8                       | 55.1                           |
| Syngenta                  | SY Viper     | -                          | -                              | -                          | -                              | -                          | -                              | -                          | -                              | 78.5                       | 56.8                           |
| UniSouth Genetics         | USG 3013     | -                          | -                              | -                          | -                              | -                          | -                              | -                          | -                              | 76.6                       | 55.7                           |
| UniSouth Genetics         | USG 3197     | -                          | -                              | -                          | -                              | -                          | -                              | -                          | -                              | 78.5                       | 54.7                           |
| UniSouth Genetics         | USG 3316     | -                          | -                              | -                          | -                              | -                          | -                              | -                          | -                              | 72.7                       | 54.4                           |
| UniSouth Genetics         | USG 3895     | -                          | -                              | -                          | -                              | -                          | -                              | -                          | -                              | 82.1                       | 54.4                           |
| Virginia Tech University  | VA12W-72     | -                          | -                              | -                          | -                              | -                          | -                              | -                          | -                              | 76.5                       | 56.6                           |
| Dyna-Gro                  | WX 16771     | -                          | -                              | -                          | -                              | -                          | -                              | -                          | -                              | 73.0                       | 55.2                           |

## Maryland State Barley Trials 2015-16 Yield Summary Table

| Brand                               | Entry        | Wye           |                   | Heading          |             |
|-------------------------------------|--------------|---------------|-------------------|------------------|-------------|
|                                     |              | Yield<br>bu/A | Test Wt<br>lbs/bu | Date<br>(Julian) | Awn<br>Type |
| Virginia Tech University            | Secretariat  | 89.5 *        | 47.9              | 109              | A           |
| Virginia Tech University            | Thoroughbred | 78.7 *        | 49.7              | 112              | A           |
| Virginia Tech University            | Nomini       | 72.4          | 44.7              | 107              | AI          |
| Growmark FS                         | FS 501       | 65.1          | 44.5              | 111              | AI          |
| University of Maryland              | 12 PB #6     | 59.9          | 45.8              | 117              | A           |
| Virginia Tech University            | Amaze 10     | 54.8          | 52.4              | 114              | A           |
| University of Maryland              | 12 PB #7     | 53.9          | 46.7              | 112              | A           |
| <b>Mean</b>                         |              | 67.8          | 47.4              |                  |             |
| <b>Coefficient of Variation (%)</b> |              | 12.4          | 6.2               |                  |             |
| <b>LSD<sub>05</sub><sup>‡</sup></b> |              | 14.9          | 2.7               |                  |             |

<sup>†</sup> All yields and test weights are reported at a 13.5% grain moisture content.

<sup>‡</sup> Values followed by \* are not significantly different from the leading entry.

**Plant Date** 13-Oct  
**Harvest Date** 14-Jun  
**Tillage** Minimum  
**Fertilization** 80 lbs March  
**Weed Control** Harmony



Maryland Grain Producers Utilization Board

More information can be found online at:

<https://www.psla.umd.edu/extension/extension-project-pages/small-grains-maryland>

Produced by:

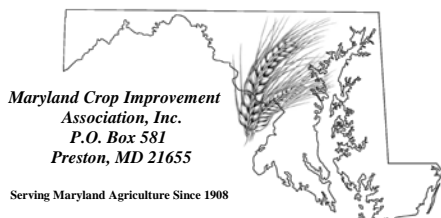
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