

Performance of tall fescue cultivars and selections in a lawn height turf trial seeded August 26, 2015 at St. Paul, MN. (Includes 2015 Cooperative Turfgrass Breeders Trial)

|                       |               | -----Turfgrass Quality <sup>1</sup> ----- |              |              |             |              |              |              |               |  |
|-----------------------|---------------|---|--------------|--------------|-------------|--------------|--------------|--------------|---------------|--|
| Cultivar or Selection |               | 2016-<br>2017<br>Avg.                     | 2016<br>Avg. | 2017<br>Avg. | May<br>2017 | June<br>2017 | July<br>2017 | Aug.<br>2017 | Sept.<br>2017 |  |
| 1                     | PPG-TF 231    | 6.5                                       | 7.1          | 5.9          | 5.7         | 5.7          | 5.7          | 6.3          | 6.3           |  |
| 2                     | Avenger II    | 6.4                                       | 6.8          | 6.0          | 5.7         | 5.7          | 5.3          | 6.3          | 7.0           |  |
| 3                     | 3N1           | 6.4                                       | 7.0          | 5.8          | 5.7         | 5.3          | 5.3          | 6.0          | 6.7           |  |
| 4                     | PPG-TF 229    | 6.3                                       | 6.9          | 5.8          | 5.3         | 5.7          | 5.3          | 6.0          | 6.7           |  |
| 5                     | 3B2           | 6.3                                       | 6.8          | 5.7          | 5.3         | 5.3          | 5.7          | 6.3          | 6.0           |  |
| 6                     | PPG-TF 176    | 6.2                                       | 6.8          | 5.5          | 5.7         | 5.0          | 5.0          | 5.7          | 6.3           |  |
| 7                     | PPG-TF 234    | 6.1                                       | 6.4          | 5.7          | 5.0         | 5.3          | 5.7          | 6.3          | 6.3           |  |
| 8                     | PPG-TF 232    | 6.0                                       | 6.7          | 5.4          | 4.7         | 5.0          | 4.7          | 6.0          | 6.7           |  |
| 9                     | DLFPS-TF/3552 | 6.0                                       | 6.3          | 5.7          | 5.7         | 5.7          | 5.3          | 6.0          | 6.0           |  |
| 10                    | PPG-TF 230    | 6.0                                       | 6.2          | 5.8          | 5.3         | 5.3          | 5.3          | 6.3          | 6.7           |  |
| 11                    | 3N2           | 6.0                                       | 6.6          | 5.5          | 5.3         | 4.7          | 4.3          | 6.7          | 6.3           |  |
| 12                    | DLFPS-TF/3550 | 6.0                                       | 6.7          | 5.3          | 5.0         | 5.0          | 4.7          | 5.7          | 6.3           |  |
| 13                    | DLFPS-TF/3553 | 6.0                                       | 6.4          | 5.5          | 5.3         | 5.0          | 5.0          | 6.0          | 6.3           |  |
| 14                    | DLFPS-TF/3543 | 6.0                                       | 6.1          | 5.9          | 5.3         | 5.3          | 5.7          | 6.3          | 6.7           |  |
| 15                    | 304           | 6.0                                       | 6.5          | 5.4          | 5.0         | 5.3          | 5.3          | 5.7          | 5.7           |  |
| 16                    | Bloodhound    | 5.9                                       | 6.2          | 5.6          | 5.7         | 5.0          | 5.0          | 6.3          | 6.0           |  |
| 17                    | DLFPS-TF/3539 | 5.9                                       | 6.3          | 5.5          | 5.3         | 5.3          | 5.3          | 5.3          | 6.0           |  |
| 18                    | DLFPS-TF/3546 | 5.8                                       | 6.3          | 5.3          | 5.0         | 4.7          | 5.0          | 6.0          | 6.0           |  |
| 19                    | PPG-TF 177    | 5.8                                       | 6.4          | 5.2          | 5.0         | 5.0          | 5.3          | 5.0          | 5.7           |  |
| 20                    | DLFPS-TF/3551 | 5.8                                       | 6.5          | 5.1          | 4.7         | 5.0          | 5.3          | 5.3          | 5.3           |  |
| 21                    | Rebounder     | 5.7                                       | 6.2          | 5.3          | 5.3         | 5.0          | 4.7          | 5.7          | 5.7           |  |
| 22                    | Rowdy         | 5.7                                       | 6.2          | 5.3          | 4.7         | 5.3          | 5.0          | 5.7          | 5.7           |  |
| 23                    | PPG-TF 178    | 5.7                                       | 6.2          | 5.2          | 5.7         | 5.3          | 4.7          | 5.0          | 5.3           |  |
| 24                    | Fayette       | 5.7                                       | 6.2          | 5.2          | 5.0         | 5.3          | 5.3          | 5.3          | 5.0           |  |
| 25                    | DLFPS-TF/3547 | 5.7                                       | 6.0          | 5.3          | 4.7         | 5.0          | 5.0          | 6.0          | 6.0           |  |
| 26                    | DLFPS-TF/3541 | 5.7                                       | 5.8          | 5.5          | 5.3         | 5.3          | 5.0          | 6.0          | 5.7           |  |
| 27                    | Titanium 2LS  | 5.6                                       | 5.9          | 5.4          | 5.0         | 5.0          | 5.3          | 5.7          | 6.0           |  |
| 28                    | DLFPS-TF/3548 | 5.6                                       | 6.7          | 4.6          | 4.3         | 4.0          | 4.3          | 5.3          | 5.0           |  |
| 29                    | DLFPS-TF/3538 | 5.6                                       | 5.8          | 5.4          | 5.0         | 5.0          | 5.0          | 5.7          | 6.3           |  |
| 30                    | Rebel Exeda   | 5.6                                       | 5.8          | 5.4          | 5.3         | 5.3          | 5.7          | 5.3          | 5.3           |  |
| 31                    | ATF1738       | 5.6                                       | 5.9          | 5.3          | 4.3         | 5.0          | 5.0          | 5.7          | 6.3           |  |
| 32                    | DLFPS-TF/3545 | 5.6                                       | 6.1          | 5.0          | 4.0         | 5.0          | 4.7          | 5.3          | 6.0           |  |
| 33                    | PST-5MIK      | 5.5                                       | 6.2          | 4.9          | 4.0         | 5.3          | 5.0          | 5.0          | 5.0           |  |
| 34                    | MNTF-15       | 5.5                                       | 5.6          | 5.3          | 5.7         | 5.3          | 5.0          | 5.3          | 5.3           |  |
| 35                    | ATF1599       | 5.5                                       | 6.0          | 4.9          | 4.7         | 5.0          | 4.7          | 5.0          | 5.3           |  |

(continued)

|    |                  |     |     |     |     |     |     |     |     |
|----|------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| 36 | ATF1467          | 5.4 | 5.9 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 37 | PST-5BRK         | 5.4 | 5.7 | 5.2 | 4.7 | 4.7 | 5.3 | 5.7 | 5.7 |
| 38 | PST-R511         | 5.4 | 5.8 | 5.0 | 4.3 | 4.7 | 4.7 | 5.7 | 5.7 |
| 39 | PPG-TF 153       | 5.4 | 5.7 | 5.1 | 4.7 | 5.0 | 5.0 | 5.3 | 5.3 |
| 40 | PST-5NOR         | 5.4 | 5.6 | 5.2 | 5.3 | 5.3 | 5.0 | 5.0 | 5.3 |
| 41 | DLFPS-TF/3540    | 5.4 | 6.0 | 4.7 | 4.3 | 4.7 | 5.0 | 5.0 | 4.7 |
| 42 | Turfway          | 5.4 | 5.8 | 4.9 | 4.7 | 4.7 | 4.7 | 5.3 | 5.3 |
| 43 | DLFPS-TF/3542    | 5.4 | 5.5 | 5.2 | 5.0 | 5.0 | 5.3 | 5.3 | 5.3 |
| 44 | DLFPS-TF/3549    | 5.3 | 5.2 | 5.5 | 5.0 | 5.3 | 5.3 | 5.7 | 6.0 |
| 45 | PST-5DAW-15      | 5.3 | 5.8 | 4.8 | 4.3 | 5.0 | 4.7 | 5.0 | 5.0 |
| 46 | Gazelle II       | 5.3 | 5.6 | 5.0 | 5.3 | 5.0 | 4.7 | 5.0 | 5.0 |
| 47 | Six Point        | 5.3 | 5.7 | 4.9 | 4.7 | 4.3 | 4.7 | 6.0 | 5.0 |
| 48 | PST-5DZP         | 5.3 | 5.4 | 5.1 | 5.3 | 5.0 | 4.7 | 5.3 | 5.3 |
| 49 | PST-SYN-5YORK-15 | 5.3 | 5.4 | 5.1 | 4.7 | 5.0 | 5.0 | 5.3 | 5.3 |
| 50 | PST-5MINI        | 5.3 | 5.5 | 5.0 | 4.7 | 5.0 | 5.0 | 5.0 | 5.3 |
| 51 | PST-5DR          | 5.2 | 5.6 | 4.9 | 5.0 | 5.0 | 5.0 | 4.7 | 5.0 |
| 52 | PPG-TF 154       | 5.2 | 5.4 | 5.0 | 4.3 | 5.3 | 5.0 | 5.0 | 5.3 |
| 53 | ATF1831          | 5.1 | 4.9 | 5.3 | 5.3 | 5.3 | 5.0 | 5.3 | 5.3 |
| 54 | Firewall         | 5.1 | 5.3 | 4.9 | 5.0 | 5.0 | 4.7 | 5.0 | 5.0 |
| 55 | ATF1736          | 5.1 | 5.3 | 4.9 | 4.7 | 4.7 | 4.7 | 5.0 | 5.3 |
| 56 | ATF1572          | 5.1 | 5.2 | 5.0 | 5.3 | 5.0 | 5.3 | 5.0 | 4.3 |
| 57 | ATF1587          | 5.1 | 5.5 | 4.7 | 4.3 | 5.0 | 4.7 | 4.7 | 4.7 |
| 58 | PST-5MIN4        | 5.1 | 5.2 | 5.0 | 4.3 | 5.0 | 5.3 | 5.3 | 5.0 |
| 59 | PST-5T24         | 5.1 | 5.2 | 4.9 | 4.3 | 5.0 | 5.3 | 5.0 | 5.0 |
| 60 | PST-53D2         | 5.1 | 5.3 | 4.8 | 3.7 | 4.7 | 4.7 | 5.7 | 5.3 |
| 61 | ATF1601          | 5.1 | 5.1 | 5.1 | 4.7 | 5.0 | 5.3 | 5.0 | 5.3 |
| 62 | PPG-TF 174       | 5.1 | 5.4 | 4.7 | 4.3 | 4.7 | 4.7 | 5.0 | 5.0 |
| 63 | ATF1833          | 5.0 | 5.2 | 4.9 | 5.3 | 5.0 | 4.7 | 4.7 | 4.7 |
| 64 | ATF1832          | 5.0 | 5.1 | 4.9 | 5.0 | 5.0 | 5.0 | 4.7 | 5.0 |
| 65 | PST-5BPO         | 5.0 | 5.1 | 4.9 | 5.0 | 4.7 | 4.7 | 5.3 | 5.0 |
| 66 | PST-SYN-5WAB-15  | 5.0 | 5.2 | 4.9 | 4.3 | 5.3 | 5.0 | 5.0 | 4.7 |
| 67 | Stingray         | 5.0 | 5.2 | 4.8 | 4.7 | 4.7 | 5.0 | 5.0 | 4.7 |
| 68 | ATF1574          | 5.0 | 5.3 | 4.7 | 4.3 | 5.0 | 5.0 | 4.7 | 4.7 |
| 69 | DLFPS-TF/3544    | 5.0 | 5.2 | 4.8 | 4.7 | 5.0 | 4.7 | 5.0 | 4.7 |
| 70 | ATF1835          | 4.9 | 5.7 | 4.2 | 3.3 | 4.3 | 4.3 | 4.3 | 4.7 |
| 71 | ATF1552          | 4.9 | 5.3 | 4.5 | 4.3 | 4.3 | 4.7 | 5.0 | 4.3 |
| 72 | Saltillo         | 4.9 | 5.3 | 4.5 | 4.3 | 4.3 | 4.7 | 4.7 | 4.3 |
| 73 | ATF1585          | 4.9 | 5.3 | 4.4 | 4.3 | 5.0 | 4.3 | 4.0 | 4.3 |
| 74 | Rain Dance       | 4.9 | 5.2 | 4.5 | 4.7 | 5.0 | 4.3 | 4.3 | 4.3 |
| 75 | ATF1838          | 4.8 | 5.1 | 4.5 | 4.3 | 4.7 | 4.7 | 4.3 | 4.7 |

(continued)

|           |             |     |     |     |     |     |     |     |     |
|-----------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|
| 76        | Bullseye    | 4.8 | 4.8 | 4.8 | 5.0 | 5.0 | 5.0 | 4.7 | 4.3 |
| 77        | PST-5STAR   | 4.8 | 4.8 | 4.7 | 4.3 | 4.3 | 5.0 | 4.7 | 5.0 |
| 78        | ATF1616     | 4.7 | 4.9 | 4.6 | 4.3 | 5.0 | 4.7 | 4.7 | 4.3 |
| 79        | ATF1594     | 4.7 | 4.9 | 4.5 | 3.7 | 5.0 | 4.3 | 4.7 | 5.0 |
| 80        | PST-5SQB    | 4.7 | 5.3 | 4.1 | 4.0 | 4.3 | 3.7 | 4.0 | 4.7 |
| 81        | PPG-TF 155  | 4.7 | 4.8 | 4.6 | 4.0 | 4.7 | 4.7 | 5.0 | 4.7 |
| 82        | ATF1836     | 4.7 | 5.1 | 4.3 | 3.7 | 4.7 | 5.0 | 4.0 | 4.0 |
| 83        | ATF1576     | 4.6 | 4.9 | 4.4 | 3.7 | 4.7 | 4.7 | 4.7 | 4.3 |
| 84        | PST-5EX2    | 4.6 | 4.9 | 4.3 | 3.7 | 4.7 | 3.7 | 4.7 | 5.0 |
| 85        | ATF1900     | 4.6 | 5.1 | 4.1 | 4.0 | 4.7 | 4.3 | 4.0 | 3.7 |
| 86        | PST-5LYM    | 4.5 | 5.1 | 3.9 | 3.7 | 4.0 | 4.0 | 4.0 | 4.0 |
| 87        | ATF1591     | 4.5 | 5.1 | 3.9 | 3.7 | 4.0 | 3.7 | 4.3 | 4.0 |
| 88        | ATF1829     | 4.4 | 4.8 | 3.9 | 3.7 | 4.0 | 3.7 | 3.7 | 4.3 |
| 89        | ATF1617     | 4.2 | 4.6 | 3.7 | 3.3 | 4.0 | 4.0 | 3.7 | 3.7 |
| 90        | Houndog 8   | 4.2 | 4.4 | 3.9 | 3.7 | 3.7 | 4.0 | 4.0 | 4.0 |
| 91        | Tar Heel II | 4.0 | 4.6 | 3.5 | 3.0 | 3.7 | 3.3 | 3.7 | 3.7 |
| 92        | KY-31 E+    | 2.8 | 3.1 | 2.5 | 2.7 | 2.3 | 2.3 | 2.7 | 2.3 |
| LSD P=.05 |             | 0.9 | 1.1 | 0.9 | 1.3 | 1.0 | 1.2 | 1.2 | 1.1 |

<sup>1</sup>9 = best turfgrass quality