

## 2023-2025 Disease Nursery Data for Aphanomyces, Cercospora, and Rhizoctonia

|                   | Variety        | Specialty | Aphanomyces Root Ratings                                                        |                        |                        |                                         |                                         | Cercospora Leafspot Ratings                                                         |                       |                       |                                           |                                           | Rhizoctonia Root Ratings                                                         |                        |                        |                                         |                                         |
|-------------------|----------------|-----------|---------------------------------------------------------------------------------|------------------------|------------------------|-----------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------------------------------|-------------------------------------------|----------------------------------------------------------------------------------|------------------------|------------------------|-----------------------------------------|-----------------------------------------|
|                   |                |           | 2025<br>Root<br>Rating                                                          | 2024<br>Root<br>Rating | 2023<br>Root<br>Rating | 2024-2025<br>2 Year Mean<br>Root Rating | 2023-2025<br>3 Year Mean<br>Root Rating | 2025<br>CLS<br>Rating                                                               | 2024<br>CLS<br>Rating | 2023<br>CLS<br>Rating | 2024-2025<br>2 Year Mean<br>Foliar Rating | 2023-2025<br>3 Year Mean<br>Foliar Rating | 2025<br>Root<br>Rating                                                           | 2024<br>Root<br>Rating | 2023<br>Root<br>Rating | 2024-2025<br>2 Year Mean<br>Root Rating | 2023-2025<br>3 Year Mean<br>Root Rating |
| Fully<br>Approved | Beta 9131      | RHC       | 3.4                                                                             | 3.8                    | 4.1                    | 3.6                                     | 3.7                                     | 3.7                                                                                 | 2.2                   | 1.9                   | 2.9                                       | 2.6                                       | 3.4                                                                              | 3.8                    | 2.3                    | 3.6                                     | 3.2                                     |
|                   | Beta 9284      | RHC       | 2.9                                                                             | 3.3                    | 3.7                    | 3.1                                     | 3.3                                     | 3.7                                                                                 | 3.4                   | 4.0                   | 3.5                                       | 3.7                                       | 3.6                                                                              | 4.1                    | 3.1                    | 3.8                                     | 3.6                                     |
|                   | Beta 9369      |           | 3.9                                                                             | 3.5                    | 4.4                    | 3.7                                     | 3.9                                     | 3.1                                                                                 | 1.8                   | 1.6                   | 2.5                                       | 2.2                                       | 3.8                                                                              | 4.1                    | 3.7                    | 4.0                                     | 3.9                                     |
|                   | Crystal M106   |           | 3.1                                                                             | 3.9                    | 3.9                    | 3.5                                     | 3.6                                     | 3.6                                                                                 | 3.5                   | 3.9                   | 3.6                                       | 3.7                                       | 3.9                                                                              | 3.7                    | 3.8                    | 3.8                                     | 3.8                                     |
|                   | Crystal M168   |           | 3.2                                                                             | 4.2                    | 4.8                    | 3.7                                     | 4.1                                     | 4.0                                                                                 | 2.5                   | 1.8                   | 3.3                                       | 2.8                                       | 4.3                                                                              | 5.0                    | 3.8                    | 4.6                                     | 4.3                                     |
| Specialty         | Crystal M977   | RHC       | 3.4                                                                             | 3.7                    | 3.7                    | 3.6                                     | 3.6                                     | 3.9                                                                                 | 4.4                   | 4.0                   | 4.1                                       | 4.1                                       | 3.3                                                                              | 3.3                    | 2.9                    | 3.3                                     | 3.2                                     |
| Test Market       | Beta 9415      |           | 3.6                                                                             | 4.1                    |                        | 3.9                                     |                                         | 4.3                                                                                 | 4.1                   |                       | 4.2                                       |                                           | 3.5                                                                              | 3.3                    |                        | 3.4                                     |                                         |
|                   | Beta 9497      |           | 3.3                                                                             | 4.1                    |                        | 3.7                                     |                                         | 3.4                                                                                 | 2.2                   |                       | 2.8                                       |                                           | 3.5                                                                              | 3.8                    |                        | 3.6                                     |                                         |
|                   | Crystal M339   |           | 3.2                                                                             | 3.6                    | 4.3                    | 3.4                                     | 3.7                                     | 3.4                                                                                 | 2.1                   | 1.8                   | 2.8                                       | 2.4                                       | 4.2                                                                              | 3.9                    | 3.0                    | 4.0                                     | 3.7                                     |
|                   | Crystal M432   |           | 3.4                                                                             | 3.6                    |                        | 3.5                                     |                                         | 4.0                                                                                 | 4.2                   |                       | 4.1                                       |                                           | 4.1                                                                              | 3.9                    |                        | 4.0                                     |                                         |
|                   | Crystal M445   |           | 3.4                                                                             | 3.9                    |                        | 3.6                                     |                                         | 2.8                                                                                 | 1.4                   |                       | 2.1                                       |                                           | 3.6                                                                              | 3.1                    |                        | 3.4                                     |                                         |
|                   | Hilleshog 2395 |           | 4.0                                                                             | 4.8                    | 4.6                    | 4.4                                     | 4.5                                     | 4.0                                                                                 | 4.2                   | 3.9                   | 4.1                                       | 4.0                                       | 4.2                                                                              | 4.5                    | 4.9                    | 4.3                                     | 4.5                                     |
| Last Year         | SV 863         |           | 4.5                                                                             | 5.1                    | 5.8                    | 4.8                                     | 5.1                                     | 3.9                                                                                 | 3.7                   | 3.8                   | 3.8                                       | 3.8                                       | 4.2                                                                              | 3.7                    | 3.7                    | 3.9                                     | 3.9                                     |
|                   |                |           | Aphanomyces Ratings from SMBSC Nursery in Renville and KWS Nursery in Shakopee. |                        |                        |                                         |                                         | Cercospora Ratings from SMBSC Nursery in Renville and KWS Nursery near Randolph MN. |                       |                       |                                           |                                           | Rhizoctonia Ratings from SMBSC Nursery in Renville and BSDF Nursery in Michigan. |                        |                        |                                         |                                         |
|                   |                |           | Ratings are on scale of 1 - 9.                                                  |                        |                        |                                         |                                         | Ratings are on scale of 1-9.                                                        |                       |                       |                                           |                                           | Ratings are on scale of 1 - 7.                                                   |                        |                        |                                         |                                         |

\* Lower Ratings mean more resistant to disease and are shown in green font.

\*\*Higher Ratings mean more susceptible to disease and are shown in red font.