

**Addendum 2. Stripe rust (*Puccinia striiformis* f. sp. *tritici*) ratings for 2019**  
**Ratings were based on an index of percent tissue affected by stripe rust**

**2019 Disease Ratings in Aberdeen**

**Hard spring wheat under naturally occurring infection**

| Variety         | Stripe Rust Infection Type (IT) | Percent Leaf Area Infected (PLAI) | IT x PLAI % | Stripe Rust Rating |
|-----------------|---------------------------------|-----------------------------------|-------------|--------------------|
| 12SB0224 (W)    | 0                               | 0                                 | 0.0         | R                  |
| Alum            | 0                               | 0                                 | 0.0         | R                  |
| Alzada (D)      | 6                               | 1                                 | 0.1         | R                  |
| AP Octane       | 0                               | 0                                 | 0.0         | R                  |
| AP Venom        | 6                               | 5                                 | 0.3         | MR                 |
| APRenegade      | 0                               | 0                                 | 0.0         | R                  |
| Cabernet        | 6                               | 1                                 | 0.1         | R                  |
| CP3066          | 0                               | 0                                 | 0.0         | R                  |
| Dayn (W)        | 0                               | 0                                 | 0.0         | R                  |
| Glee            | 0                               | 0                                 | 0.0         | R                  |
| IDO1603S        | 6                               | 2                                 | 0.1         | R                  |
| IDO1701S        | 0                               | 0                                 | 0.0         | R                  |
| IDO1702S        | 6                               | 1                                 | 0.1         | R                  |
| IDO1805S        | 0                               | 0                                 | 0.0         | R                  |
| Imperial (D)    | 3                               | 5                                 | 0.2         | R                  |
| Jefferson       | 7                               | 30                                | 2.1         | S                  |
| Klasic (W)      | 6                               | 30                                | 1.8         | S                  |
| Klasic (W) 1.2  | 6                               | 30                                | 1.8         | S                  |
| Klasic (W) 1.4  | 6                               | 30                                | 1.8         | S                  |
| SY Coho         | 6                               | 10                                | 0.6         | MS                 |
| SY Gunsight     | 0                               | 0                                 | 0.0         | R                  |
| SY-Teton (W)    | 6                               | 10                                | 0.6         | MS                 |
| UI Platinum (W) | 5                               | 20                                | 1.0         | S                  |
| WA8280 CL+      | 6                               | 1                                 | 0.1         | R                  |
| WB7202 CLP      | 0                               | 0                                 | 0.0         | R                  |
| WB7328 (W)      | 6                               | 20                                | 1.2         | S                  |

|                |            |            |             |   |
|----------------|------------|------------|-------------|---|
| WB7589 (W)     | 6          | 1          | 0.1         | R |
| WB7696         | 6          | 30         | 1.8         | S |
| WB9411         | 0          | 0          | 0.0         | R |
| WB9590         | 6          | 40         | 2.4         | S |
| WB9668         | 0          | 0          | 0.0         | R |
| WB9879CLP      | 7          | 30         | 2.1         | S |
| <b>Average</b> | <b>3.5</b> | <b>9.2</b> | <b>0.55</b> |   |

(W) = White

(D) = Durum

(CLP) = 2-gene Clearfield

**019 spring wheat.  
t multiplied by infection type.**

**2019 Disease Ratings in Aberdeen  
Soft white spring wheat under naturally occurring infection**

| Variety     | Stripe Rust Infection Type (IT) | Percent Leaf Area Infected (PLAI) | IT x PLAI % | Stripe Rust Rating |
|-------------|---------------------------------|-----------------------------------|-------------|--------------------|
| Alturas     | 6                               | 40                                | 2.4         | S                  |
| IDO1401S    | 6                               | 60                                | 3.6         | VS                 |
| Louise      | 4                               | 5                                 | 0.2         | R                  |
| Melba       | 0                               | 0                                 | 0.0         | R                  |
| Ryan        | 6                               | 2                                 | 0.1         | R                  |
| Seahawk     | 0                               | 0                                 | 0.0         | R                  |
| SY Saltese  | 6                               | 1                                 | 0.1         | R                  |
| Tekoa       | 6                               | 1                                 | 0.1         | R                  |
| UI Cookie   | 4                               | 40                                | 1.6         | S                  |
| UI Pettit   | 7                               | 50                                | 3.5         | VS                 |
| UI Stone    | 6                               | 40                                | 2.4         | S                  |
| WA 8297 CL+ | 0                               | 0                                 | 0.0         | R                  |
| WA 8303     | 0                               | 0                                 | 0.0         | R                  |
| WB 6121     | 0                               | 0                                 | 0.0         | R                  |
| WB 6430     | 0                               | 0                                 | 0.0         | R                  |
| WB-1035CL+  | 7                               | 50                                | 3.5         | VS                 |
| Average     | 3.6                             | 18.3                              | 1.1         |                    |

Infection Type: on a scale from 0 to 9, where 0 is immune, 1 is resistant, and 8 to 9 is very susceptible.

**TIPS:**

R to MR - should not need fungicides

MR - should not need fungicides unless disease pressure becomes high

MR to MS - consider spraying with protective fungicides under medium to high disease pressure

S = will need protective fungicide application when stripe rust is present

VS = will need fungicides in the presence of stripe rust, at times up to three applications in severe years consider spraying at herbicide timing to prevent infection in S and VS varieties.