**Stripe rust NACA report, 2016 harvest**

**The multi-rust resistance Cycle 1 population**

**Corvallis, OR; Davis, CA; Pullman and Mt Vernon, WA**











\* @ Mt Vernon, WA trials were not replicated.

**Multi-rust – ANOVAS**

Corvallis, OR

|  |  |
| --- | --- |
|  Df Sum Sq Mean Sq F value Pr(>F)  |   |
| Line 120 1.69418 0.0141182 8.2674 <2e-16 \*\*\* |   |
| Rep 1 0.00134 0.0013359 0.7823 0.3782  |   |
| Residuals 120 0.20492 0.0017077  |   |
| --- |  |  |  |  |  |  |   |
| Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’  |

Hb = 0.87

Davis, CA Date 1

|  |  |
| --- | --- |
|  Df Sum Sq Mean Sq F value Pr(>F)  |   |
| Line 93 2.05362 0.022082 4.5686 1.330e-12 \*\*\* |   |
| Rep 1 0.08135 0.081348 16.8303 8.756e-05 \*\*\* |   |
| Residuals 93 0.44951 0.004833  |   |
| --- |  |  |  |  |  |  |   |
| Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’  |

Hb = 0.78

Davis, CA Date 2

|  |  |
| --- | --- |
|  Df Sum Sq Mean Sq F value Pr(>F)  |   |
| Line 93 2.81104 0.030226 4.5771 1.257e-12 \*\*\* |   |
| Rep 1 0.05730 0.057298 8.6766 0.004072 \*\*  |   |
| Residuals 93 0.61415 0.006604  |   |
| --- |  |  |  |  |  |  |   |
| Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’1 |

Hb = 0.78