

Stripe (yellow rust) observations, contributed by USDA-ARS, Xianming Chen (Pullman, WA) and Bob Bowden (Manhattan, KS).

Infection Type (IT) was recorded based on the 0-9 scale with ITs 8 and 9 combined as 8 (the most susceptible reaction) in field data. Generally IT 0-3 are considered resistant, 4-6 intermediate, and 7-9 susceptible. Heterogenous reactions of an entry were indicated by two or more ITs separated by "," for most plants with the first IT and few plants with the second IT or connected with "-" for entries containing plants with continuous ITs. Entries with a high IT in the first note, but a low IT in the second note may indicate that they have high-temperature, adult-plant (HTAP) resistance.

Washington notes: Stripe rust at the Walla Walla (LOC 6) occurred in hotspots and lack of uniformity, and therefore, some entries possibly escaped from infection. No rust occurred in the winter nurseries and very low infection occurred in the spring nurseries at the Lind (LOC 7) location.

Manhattan, KS notes:

H SEGREGATING LINE; MORE COMMON TYPE FOLLOWED BY LESS COMMON TYPE

M MISSING PLANT

Z LEAF TIP MORE RESISTANT THAN BASE

APR Adult Plant Resistance

For seedling tests, each rep consists of 5-6 seedlings at two to three leaf stage. For adult plant tests, each rep consists of two plants in one pot. Seedling plant data from growth chamber experiments with 15C day/15C nights. Data scored two weeks after inoculation. Adult plant data from growth chamber experiments with 25C day/15C nights. Data scored three weeks after inoculation.