

TIOGA HARD RED SPRING WHEAT

Botanical and objective description: Tioga is a wheat of typical spring habit of growth and has the following botanical features--

Stem: midtall; white; solid, filled with parenchyma tissue, midstrong; inclined from below the base of the spike.

Spike: dorsoventrally compressed; oblong to fusiform; middense; apical awns.

Glumes: glabrous; white; short; midwide; shoulders midwide, square; beak midwide, obtuse, length 1 mm. or less; keeled only in upper half.

Kernels: red, midlong; hard; elliptical; germ, large; crease, midwide, deep; cheeks, angular; brush, large; midlong.

Area of adaptation and primary use: Tioga is adapted to western North Dakota where leaf rust is not a problem and where the wheat stem sawfly causes significant damage. It should be used as a replacement for Fortuna.

Miscellaneous agronomic data: Maturity of Tioga as indicated by days to heading is similar to that of other varieties currently grown in North Dakota, and it is earlier than Era. This variety appears to be slightly more resistant to lodging than the other sawfly resistant varieties, but less resistant than Waldron or the semidwarf varieties Olaf, Era, and World Seeds 1809. The test weight of Tioga is similar to Fortuna and superior to the other sawfly resistant varieties and Chris and Waldron. Tioga is resistant to shattering.

Seed classes: Breeders, Foundation, Registered, and one year Certified.