

Wheat Experimental 50076-R

RSI Expt. 02W50076-R hard red wheat is most similar to its hard white sister line, Blanca Royale. RSI Expt. 02W50076-R is about 7 cm taller than its white sister line. It is also a few days later in heading and it appears to be more resistant to the Septoria leaf blotch fungus, while having comparable resistance to stripe rust. In addition, 02W50076-R has a waxy leaf surface while Blanca Royale leaves do not.

The juvenile growth of 02W50076-R is semi-erect, and its plant color at boot stage is blue green. Its flag leaf is recurved, twisted, and waxy. Neither the auricles nor the stem have anthocyanin. Internodes are hollow, and the last internode of the rachis is hairy. Heads are awned, middense, tapering, and inclined. Anthers are yellow, and glumes are white. Seed of 02W50076-R is elliptical.

Taller variants have been observed at a frequency of up to 0.2% of the plant population. An awnless variant is present at a frequency of approximately 0.02%. A white kernel variant is present and found at up to 12 kernels per pound.