

EXHIBIT A:

PEDIGREE: T.57/ZEELANDZKIE DWARF RYE//JENKINS/FLORA/

Trical 6600 is a winter triticales developed by Resource Seeds, Inc. and released in 1992. Trical 6600 originated from the cross made in 1982 of T.57/ZEELANDZKIE DWARF RYE//JENKINS/FLORA/.

Progeny were grown as bulks at Hereford, TX and Salinas, CA in the F₁ to F₃ generations. In F₄, 250 spikes were selected and planted in single strip rows. In F₅, 32 rows were bulked to produce breeder seed.

Trical 6600 was tested as XR066A in the Company Yield Trials from 1986 to 1992. This variety appears stable and uniform through 4 generations of selfing and during seed increase.

Tall variants may appear approximately 1:5000-6000.

TRITICALE

EXHIBIT B:

NOVELTY STATEMENT

Trical 6600 is most similar to Jenkins. Trical 6600 differs from Jenkins in having darker seed color, heading an average of 6 days earlier, and having a plant height at least 36 cm shorter than Jenkins.

EXHIBIT D:

ADDITIONAL DESCRIPTION OF TRICAL 6600

Trical 6600 is a dual purpose, winter triticale (X Triticosecale Wittmack). Trical 6600 heads (Table 1) and flowers earlier than Jenkins. The average height of Trical 6600 is 100 cm, approximately 30 to 40 cm shorter than Jenkins (Table 2).

A moderately waxy bloom may occur on the stem, becoming less apparent after flowering. Internodes are hollow. Stems are strong and yellow at maturity. Trical 6600 lodging resistance is superior to Jenkins. Trical 6600 has a prostrate growth habit and excellent tillering ability.

Seedling leaves are dark green. Flag leaves are medium long, and upright. Flag leaves generally are not twisted. A moderate level of waxy bloom may occur on the last leaf sheath. Flag leaves, while generally observed as glabrous, possess short hairs, which may be observed with a microscope.

Spikes are mid-dense, oblong, and awned yellow, and erect at maturity. The average length of awns is about 5 cm. Spike width and length vary with plant population and growing conditions, averaging about 15 mm wide and 12 cm long.

The glumes of Trical 6600 are glabrous, midlong, and midwide. Shoulders are wanting and midwide. Beaks are obtuse. Rachis is pubescent. Coleoptile color is green.

Kernels are red in color and elliptical in shape with deep crease. The brush is large in size and long. Kernels average 8.3 mm long and about 3.3 mm wide, and about 38 gms per 1000 K.W. The kernels are slightly wrinkled. Test weight is about 72 kg/hl.

Trical 6600 has been similar to Jenkins in resistance to leaf rust. It is also very tolerant to stem rust, and strip rust. (Table 4).

Trical 6600 is less winter hardy than Jenkins, (Table 3) but produces higher grain yield.