

TRITICALE

"Victoria"

EXHIBIT D:

ADDITIONAL DESCRIPTION OF "VICTORIA"

"Victoria" is a spring and grain type of triticale. It is similar in many respects to "Beagle" but is significantly shorter in stature and has a similar tolerance to lodging.

In Minnesota, when seeded about March 20th, the average of heading is June 10th or 77 days after emergence. In comparison to "Beagle", they have the same heading time (Table 2).

The young plant is semi-erect and similar to "Beagle". The plant is green at booting and the flag leaf is horizontal to twisted and is medium size. The flag leaf sheath has a light waxy bloom.

The auricles are whitish, culms are glabrous, strong, hollow and characteristically lacks anthocyanin and may express some waxy bloom.

The neck is moderately hairy.

Four nodes usually occur above ground and the distance between the flag leaf below averages 23 cm.

Spikes of "Victoria" are similar to "Beagle". They are middense, oblong, awned and white at maturity. Spikes width and length are variable with production level and population averaging about 12 mm long and 3 mm wide.

Glumes are glabrous long and midwide.

Shoulders are wanting and beaks are midwide and acuminate.

Kernels are similar to "Beagle". They are slightly lighter in color than "Beagle 82".

The 1000 kernel weight of "Victoria" is 50 grams and very similar to "Beagle 82" at 52 grams.

Test weight of "Victoria" is similar to "Beagle" at 72 kg/hl.

"Victoria" showed good resistance and seed shattering.

"Victoria" has shown in general some tolerance to all races of leaf rust in both seedling and adult test in Northeastern parts of the USA. However, in some areas - Pennsylvania and New York - it might be susceptible to some races of leaf rust and septaria tritici.

TRITICALE
"Victoria"
Exhibit D - Cont

The cultivar was evaluated in our National Spring Triticale Test in 1985 and 1986. (Table 3, 4). It is well adapted to spring wheat growing areas in Northwestern and Northeastern parts of the USA.

In two years of testing program (10 environments) 1985-1986, the average grain yields for "Victoria", "Grace", "Beagle" and "Eve" (Cl93-13) were respectively 3385, 3181, 3205, 3551. By average "Victoria" outyielded "Beagle" by 6% as shown in Table 3.

It was found that "Victoria" had shown a good tolerance to dry land.