

Exhibit D - Additional Description of Symphony

Symphony is a common hard red winter wheat, Triticum aestivum L.

Symphony is similar to Hatton in flowering date.

Symphony has averaged 92 cm (36.2 inches) in height in Eastern Washington.

At booting the plant color is dark green, in comparison to most area grown soft white winter wheat.

Anther color of Symphony is yellow.

Anthocyanin is present in the stem of Symphony only from early drying stage of maturity. A moderate waxy bloom occurs on the stem and flag leaf sheath. Stems are strong and yellow with some anthocyanin at maturity.

The auricles are glabrous and anthocyanin is absent.

Leaves are dark green on the plants through booting and turn blue green after head emergence. The flag leaves are generally slightly twisted. Hairs are absent on the first leaf sheath. A moderate level of waxy bloom occurs on the last leaf sheath.

Spikes are dense, strap, apically awnletted, yellow and generally upright at maturity. The longest awnlet per spike of Symphony ranges from 1 to 3 cm. Spike width and length are variable with production level and population averaging 13 cm in length and 15 mm wide.

The glumes of Symphony are long and wide. Shoulders are rounded. Beaks are acuminate.

Coleoptile color of symphony is white.

Seedling anthocyanin is absent.

Kernels are red in color and elliptical in shape, with rounded cheeks and a wide shallow crease. The brush is medium in size. Kernels average 8 mm long and 4 mm wide and about 39 grams per 1000.

Symphony has been highly resistant to all races of stem rust, leaf rust and stripe rust, occurring in Eastern Washington.

Symphony has been showing excellent resistance to loose smut and bunt.

Symphony is tolerant to powdery mildew and is susceptible to Cephalosporium stripe.

Symphony has not been checked for insect resistance.

Symphony has excellent straw strength with large to very large head or spike size.

Symphony has an excellent protein potential averaging 14+ % over three years of testing and grown under low to moderate nitrogen fertility levels, verses Hatton at 10% protein under the same conditions.

Symphony has an excellent rooting character and is very winter hardy comparable to Daws soft white winter wheat.