



## **Harrington Two-row Spring Barley (*Hordeum distichon* L.)**

### **Origin and Breeding:**

Harrington was derived from the cross Klages x Gazelle/Betzes//Centennial). The initial cross was made in 1972, subsequent generations were handled by the pedigree method. Single plant selections were made in each of the F2, F3, and F4, generations. An F5 line, later designated S76333, was harvested as a bulk row. This line was tested as TR441. Breeder seed was derived from a bulk of the progenies of 110 F 8 random single plant selections.

### **Varietal Characteristics:**

#### **Plant Characteristics:**

**Growth habit:** spring

**Juvenile growth habit:** semi-erect

**Coleoptile colour:** purple

**Leaves:** medium green with waxy bloom; medium length and width; glabrous leaf sheath with slightly pubescent blade; lower leaf sheath purplish

**Flag leaf:** medium sized; medium green with waxy bloom; semi-erect attitude; purplish auricles.

**Stems:** medium thick; waxy bloom; stem exertion 0-10 cm; V-shaped collar; neck is straight to slightly curved.

**Height:** slightly taller than Elrose, shorter than Klages and Fairfield

**Heading:** midseason

**Maturity:** medium to late; earlier than Klages, later than Elrose.

**Resistance to Lodging:** better than Klages, poorer than Norbert, Summit.

**Disease Reaction:** Susceptible to net blotch (*Drechslera teres*) scald (*Rhynchosporium* sp.) speckled leaf blotch (*Septoria avenae* f sp. *triticea*), stem rust (*Puccinia graminis*) loose smut (*Ustilago nuda*) covered smut (*Ustilago hordei*) and false loose smut (*Ustilago nigra*).

### **Spike Characteristics**

**Type:** two-rowed

**Shape:** strap; mid-dense; medium length

**Attitude:** nodding

**Lemma awns:** long rough, with purplish tip

**Lemma:** glabrous

**Glume:** length is half that of lemma; rounded hairs are long, numerous and widespread; awns are long and rough.

**Stigma hairs:** many

**Rachis:** segments with parallel margins; numerous long hairs on spike rachis; first rachis internode is curved.

**Kernel Characteristics:**

**Type:** covered

**Aleurone:** yellow

**Rachilla:** medium length with numerous medium length to long hairs

**Size:** medium size; medium length and width

**Lateral veins on lemma:** green, glabrous

**Hull:** slightly wrinkled

**Basal marking:** horseshoe depression

**Quality:** good malting quality

**Adaptation:**

Harrington is adapted to the traditional two-row barley areas of western Saskatchewan and southern Alberta.

For additional information contact SeCan at 1-800-665-7333 or email: [seed@secan.com](mailto:seed@secan.com)