

## KODIAK WINTER RYE

Kodiak winter rye (*Secale cereale* L.) was developed by the Department of Plant Science, University of Alberta, Edmonton, Alta., from a selection made in 1960 from Sangaste winter rye. License no. 1332 was issued for this cultivar by the plant Products

Division, Agriculture Canada, in 1971. Kodiak is similar to Cougar for yield, winter hardiness, and lodging resistance, but has considerably larger kernels than either Cougar or Puma. It is considerably taller than Cougar, but matures slightly earlier.

Table 1. Agronomic comparison of Kodiak with Cougar and Frontier 1969-72 (from cooperative fall rye tests, Western Canada)

	Kodiak	Frontier	Cougar	No. tests
Yield (% of Cougar)†	97	90	100	33
Winter survival (%)	73	84	74	28
1000 kernel wt (g)	32.4	26.9	28.2	41
Lodging resistance (1-9)‡	3	3	2	33
Maturity (days, relative to Cougar)	-1	-2	-	29
Height (cm, relative to Cougar)	+11	+8	-	30

†Average yield of Cougar 1969-72 was 34.8 q/ha.

‡1 = standing; 9 = fully lodged.

### Plant Characters

**SPIKE.** Long, squarish, nontapering heads, nodding with long beards; average dense, not as dense as Petkus; some variability for head type is typical of this cultivar; straight neck, with head emerging from flag leaf 2-3 times the head length.

**KERNEL.** Very large, long, grey, smooth surfaced.

**LEAVES.** Blue green, very wide, long, droopy.

**STRAW.** Midlong to long, moderately strong. Some variability for height exists in the cultivar.

### Distribution

Breeders' seed will be maintained and distributed by the Department of Plant Science,

University of Alberta, in cooperation with the Canadian Seed Growers Association. An initial distribution of pedigreed and breeders' seed is expected to be completed in time for the 1973 fall planting, with a general release planned for the 1974 fall planting.

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R. BERG and K. G. BRIGGS

*Department of Plant Science, University of Alberta, Edmonton, Alta. T6G 2E1. Received 24 Aug. 1973, accepted 17 Sept. 1973.*