

NOTES

CANUCK HARD RED SPRING WHEAT

Canuck hard red spring wheat (*Triticum aestivum* L.) was developed by the Canada Department of Agriculture's Research Station at Swift Current, Saskatchewan, as part of the breeding program conducted by the Prairie Region Wheat Breeding Project Group. It was selected from a cross made in 1957 between Canthatch and a sawfly-resistant selection from Mida/Cadet/Rescue.

As shown in Table 1, Canuck possesses a high degree of resistance to the wheat-stem sawfly (*Cephus cinctus* Nort.). It is an improvement over Cypress, the currently recommended sawfly-resistant cultivar, in yield, quality and disease resistance. Like Cypress, the new cultivar has tall, weak straw and a tendency to shatter.

Canuck has a higher amylograph viscosity than Cypress, although it does not reach the level of the Thatcher types. Canuck has been rated equal to Marquis in quality with a very high flour yield.

Canuck is adapted to the drier prairie area where sawflies are likely to be a serious pest of wheat.

Seed of Canuck was increased and distributed by the Seed Section of the Regina Research Station, Saskatchewan. Approximately 2,700 kg of seed was allotted to seed growers in Saskatchewan and Alberta

in 1974. Seed of all classes will be released in 1975. Breeder seed will be maintained by Agriculture Canada's Research Station at Regina, Saskatchewan.

Description

SPIKE. Fusiform, mid-long; apically awnletted; glumes mid-long, mid-wide, glabrous, white; shoulders oblique to rounded, slightly elevated at the tip; beaks short, mid-wide, obtuse.

KERNEL. Ovate, mid-long, hard, red; crease mid-wide, mid-deep; cheeks rounded to angular; brush mid-size, mid-long; germ mid-size oval.

STRAW. Pithy under most conditions, mid-long, mid-strong, white.

MATURITY. Medium late, a day later than Cypress.

SHATTERING. Moderately susceptible.

LODGING. Moderately susceptible.

SAWFLY REACTION. Resistant.

DISEASE REACTION. Resistant to common root rot (*Bipolaris sorokiniana* [Sacc. in Sorok.] Shoem. and *Fusarium* sp.), loose smut (*Ustilago tritici* [Pers.] Rostr.) and head discoloration. Susceptible to leaf rust (*Puccinia recondita* Rob. ex. Desm. f. sp.

Table 1. Comparative data for Canuck, Cypress and Neepawa (Western Cooperative Wheat Trials 1968-73), 109 tests

	Yield (q/ha)	Days to mature	Lodging 1-9†	Hl wt (kg)	1,000- kernel wt (g)	Ht (cm)	Root rot (%)	Loose smut (%)	Bunt (%)	Sawfly cutting (%)
Canuck‡	27.5	104	3	81	34	96	25	5	11	11
Cypress	25.2	103	5	81	31	94	47	31	13	9
Neepawa	30.4	101	2	81	32	86	13	5	10	59

†1, standing; 9, completely lodged.

‡Tested under the designation of CT 774.

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tritici) and stem rust (*Puccinia graminis* Pers. f. sp. *tritici* Eriks. and E. Henn.), and to bunt (*Tilletia foetida* [Wallr.] Liro).

QUALITY. Fully equal to Marquis, better than Cypress, Rescue or Chinook, eligible for top Canadian grades.

License No. 1533 has been issued in April 1974 by the Production and Market-

ing Branch of Agriculture Canada, for the cultivar Canuck.

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