

NOTES

NAPAYO HARD RED SPRING WHEAT

Napayo is an awned cultivar developed by the backcross method from Thatcher and Manitou. It was licensed in 1972 for use on the eastern prairies.

Napayo est un cultivar de blé vitreux roux de printemps barbu créé par rétrocroisement à partir de Thatcher et Manitou. Il a été homologué en 1972 et est recommandé pour l'est du Canada.

Triticum aestivum L. 'Napayo' was developed at the Agriculture Canada Research Station in Winnipeg. It was accessioned at RL 4238 in 1967, tested as CT 432 from 1968 to 1971, and licensed (No. 1405) in April 1972. Napayo yielded more than Manitou in Manitoba, and differed from the current cultivars in being awned.

Origin

Napayo was developed by the backcross method from the cross Manitou*2/RL 4124.1, the last cross being made in 1963. RL 4124.1 came from the cross Thatcher*5/Lee/3/Thatcher*7/Frontana/ /Thatcher*6/Kenya Farmer. The original cross for awns (from Lee) was made in 1952.

Data on agronomic performance are given in Table 1. Napayo reached its peak of 0.87 million ha in 1976, at which time it occupied 19% of the area in Manitoba and 10% in Saskatchewan.

Description

SPIKE. Fusiform, mid-dense; glumes mid-

long, mid-wide, glabrous, white; beaks mid-long, mid-wide, acuminate; shoulders narrow, rounded to elevated; awned.

KERNEL. Small to mid-size, short to mid-long, mid-wide, oval to ovate; germ mid-size, round to oval; crease mid-wide to wide, shallow to mid-deep; brush small to mid-size, mid-long; cheeks angular to rounded.

DISEASE REACTION. Similar to Manitou.

Breeder Seed from 77 Breeder Lines has been maintained by the Seed Section of Agriculture Canada Research Station at Regina.

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Table 1. Four-year averages from the Report on Western Wheat Co-operative Tests, 1971

Trait	No. of tests	Manitou	Neepawa	Napayo	Unit
Yield, Zone 1†	25	3060	3280	3150	kg/ha
Yield, Zone 2	14	3430	3510	3320	kg/ha
Yield, Zone 3	31	2510	2620	2470	kg/ha
Maturity	51	104.9	104.2	104.4	days
Lodging	36	2.7	2.1	2.5	1-9 scale
Height	51	86	86	87	cm
Test mass	69	80.8	81.3	81.1	kg/hL
Seed mass	25	31.4	34.0	32.3	mg/seed

†Zone 1 = black soils of Manitoba and Saskatchewan; Zone 2 = black and grey soils of Alberta; Zone 3 = brown soils of Saskatchewan and Alberta.