

REQUEST FOR SUPPORT OF REGISTRATION OF CDC Osler

CROP KIND: Wheat

TYPE: Canada Western Red Spring

PROPOSERS: P. Hucl

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TEST NUMBERS: PT555, W98029

PEDIGREE: AC Cora/PT534

CDC Osler was selected from the cross AC Cora/PT534. CDC Osler is derived from a bulked F6 head-row. W98029 was evaluated in replicated CDC local trials in 1998. CDC Osler was evaluated as W98029 in the 1999 WBW 'B' Test and in the 2000-2002 Parkland Wheat Coop Test.

AREA OF ADAPTATION: Short-season wheat growing areas of Saskatchewan and Alberta.

STRENGTHS: Higher yield than the check cultivars with earlier maturity than AC Barrie. Strong-strawed.

WEAKNESSES: Susceptible to FHB.

DESCRIPTION: CDC Osler is a standard height, awnless, hollow-stemmed wheat with a maturity intermediate between that of AC Barrie and AC Splendor (Table 1). In three years of testing in the Parkland Wheat Cooperative Test, CDC Osler was 2.7 and 10.9 % higher yielding than AC Barrie and AC Splendor, respectively (Table 1). CDC Osler was shorter than the two checks with lower lodging scores. Kernel weight of CDC Osler is similar to that of Neepawa/Katepwa (2000-2002 PWC Reports) and lighter than that of AC Barrie and AC Splendor. The test weight of CDC Osler was intermediate to that of AC Barrie and AC Splendor.

CDC Osler gave a resistant reaction to prevalent races of both leaf and stem rust (Table 2). PT555 was resistant to loose smut and gave reactions ranging from R to MS common bunt, with an average similar to that of the two check cultivars. The FHB index levels of CDC Osler were in the MS to S range (Table 2).