REGISTRATION OF CROP CULTIVARS

Rodney by 12% and 'Fraser' by 7%, while 'Random' outyielded it by 2%.

Breeder seed will be maintained by the Seed Section, Agriculture Canada Res. Stn., Regina, Saskatchewan.

Hudson is named after Henry Hudson, an English explorer who is believed to be the first European to visit the shores of Manitoba.

REGISTRATION OF HARMON OATS
(Reg. No. 275)

R. I. H. McKenzie

'HARMON' spring oats (Avena sativa L.), Cl 7989, was licensed in 1965 by Agriculture Canada, and 180,000 kg of seed were distributed for planting in western Canada in the spring of 1966. Harmon originated from the cross OT 604 × 'Rodney' made at Ottawa, Ontario in 1956. Subsequent selection was mainly for kernel appearance, yield, and stem rust (Puccinia graminis f. sp. avenae) resistance at Indian Head, Saskatchewan, and Winnipeg, Manitoba. Following selection as an F₅ row, it was tested during the period 1959-65, initially as 1H 5880-52-3-2 and then as OT 607, for a total of 88 station-years at up to 18 locations in western Canada. It yielded 4% more than Rodney and 5% more than 'Garry' in these trials.

Harmon performs well in the parkbelt area of western Canada and is widely accepted by farmers. It has been grown on approxmately 40% of the oat acreage in western Canada in recent years. In 1975, Harmon was grown on 60% of the oat acreage in Manitoba, 43% in Saskatchewan, and 24% in both Alberta and North Dakota. Farmers particularly like the large plump kernels and the high test weight.

Harmon has moderately tall, moderately strong straw, and a medium-sized, equilateral panicle. It is similar to Rodney but has slightly better yield, a larger kernel, and improved stem rust resistance. Harmon has genes Pg-2 and Pg-4 for resistance to stem rust; but is quite susceptible to race C10, the predominant race of stem rust, and to most races of oat crown rust (Puccinia coronata f. sp. avenae). It is moderately tolerant to grey mould (Ustilago avenae) and covered smut (Ustilago kolleri), but is susceptible to some newer races. The kernel has a blunted lemma which usually is creamy white in color, although rarely it may be light to dark grey between the lemma veins. It has a few small awns and basal hairs. Both test weight and kernel weight are very high. Protein content, fiber content and percent hull are low. The grain of Harmon is moderate in fat content.

Breeder seed will be maintained by the Seed Section, Agriculture Canada Res. Stn., Regina, Saskatchewan.

Harmon is named after Daniel Harmon, a fur trader with the Northwest Company. He is believed to be the first fur trader who is believed to be the first European to visit the shores of Manitoba.

REGISTRATION OF HOOD 75 SOYBEAN
(Reg. No. 40)

N. I. James, E. R. Rice, J. D. Miller, and P. M. Lyrenaa

The sugarcane cultivar 'CP 68-1026' is a clone selected from the progeny of cross 'CP 57-614' and is a trispecies hybrid of Saccharum officinarum L., S. spontaneum L., and S. barberi Jessweet. The cross was made at Canal Point, Fla., in January 1966. CP 68-1026 was developed through research of the ARS-USDA, the Fla. Agric. Exp. Stn., and the Sugar Cane League, Inc. It was released to the industry in June 1975.

CP 68-1026 is a medium-barred, culature that produces in the season, has better milling quality, and flows better than 'CP 63-588.' It produced 16% more sugar/ha on the average of all plant and stubble crop tests than 'CP 63-588.'

CP 68-1026 is resistant to sugarcane mosaic virus, leaf scald, eyespot, and a rare strain of T. carboxymyces incited by Xanthomonas albilineans (Ashby) Dow. CP 68-1026 is resistant to sugarcane mosaic virus incited by Bipolaris sacchari (Butler) Shoemaker.

Seedcane of CP 68-1026 will be maintained by the Sugarcane Field Stn., Canal Point, Fla.

REGISTRATION OF CP 68-1067 SUGARCANE
(Reg. No. 41)

J. D. Miller, E. R. Rice, N. I. James, and P. M. Lyrenaa


2 Oat geneticist, Cereal Breeding Section, Agriculture Res. Stn., Winnipeg, Manitoba.

3 OT 604 = 'Victoria' 2x 'Hajira' × 'Banner' 3x 'Roxton' 4x 'Beacon'.