REGISTRATION OF CULTIVARS

Polar turnip rape represents improvements over Echo in the oil content of the seed (1.5% oil) and the protein content of the meal (0.5% protein) (Table 1). The fatty acid composition of the seed oil from Polar is similar to the composition of the seed oil from Arlo. The erucic acid contents of the seed oils from Polar and Arlo are somewhat higher than the values for Echo (6% erucic). The glucosinolate content of the meal from Polar and Echo seed is essentially similar. The two cultivars are quite similar in general appearance, plant height, maturity, and yielding ability.

Breeder seed of Polar will be maintained by the Plant Science Department of the University of Manitoba.

REGISTRATION OF TURRET SUMMER RAPE1
(Reg. No. 3)

B. R. Stefansson2

'TURRET' (Brassica napus L.), a summer rape variety developed by the Plant Science Department of the University of Manitoba, originated as an individual plant selection from the variety 'Target.' Prior to release in March 1970, Turret was identified as 863-2612 in Cooperative Tests. Turret may replace the rape variety Target in Manitoba, Saskatchewan, and Alberta.

Turret represents improvements over other Canadian rape varieties in yielding ability, earliness, and oil content of the seed (Table 1). The fatty acid composition of the oil and the glucosinolate content of the meal are essentially similar to the values for Target and other commonly grown Canadian rape varieties.

Table 1. Characteristics of rape cultivars 1966 to 1969.

<table>
<thead>
<tr>
<th>Variety and location</th>
<th>No. of tests</th>
<th>Seed yield</th>
<th>Seed oil</th>
<th>Meal protein</th>
<th>Maturity</th>
<th>Plant height</th>
</tr>
</thead>
<tbody>
<tr>
<td>Western Canada and North Dakota</td>
<td>1966</td>
<td>2,298</td>
<td>45.5</td>
<td>46.6</td>
<td>104</td>
<td>89</td>
</tr>
<tr>
<td>Turret</td>
<td>2,253</td>
<td>44.1</td>
<td>46.3</td>
<td>106</td>
<td>91</td>
<td></td>
</tr>
<tr>
<td>Target</td>
<td>2,156</td>
<td>41.4</td>
<td>43.7</td>
<td>108</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>Orea</td>
<td>2,185</td>
<td>41.5</td>
<td>49.1</td>
<td>109</td>
<td>102</td>
<td></td>
</tr>
<tr>
<td>Argentine</td>
<td>2,133</td>
<td>44.8</td>
<td>96</td>
<td>99</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eastern Canada</td>
<td>1968</td>
<td>2,158</td>
<td>43.8</td>
<td>97</td>
<td>99</td>
<td></td>
</tr>
<tr>
<td>Turret</td>
<td>2,195</td>
<td>41.3</td>
<td>100</td>
<td>109</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Target</td>
<td>2,163</td>
<td>40.6</td>
<td>99</td>
<td>109</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Argentine</td>
<td>2,133</td>
<td>44.8</td>
<td>96</td>
<td>99</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Oven dry basis.

Breeder seed of the variety Turret will be maintained by the Plant Science Department of the University of Manitoba.

1 Registered by the Crop Science Society of America. Contribution No. 249 from the Department of Plant Science of the University of Manitoba. Received Sept. 28, 1970.
2 Associate Professor, Department of Plant Science, University of Manitoba, Winnipeg, Manitoba.

REGISTRATION OF ANOKA SOYBEANS1
(Reg. No. 83)

J. W. Lambert5

'ANOKA' soybeans (Glycine max (L.) Merr.) originated as an F3 plant selection from the cross 'II-43-37' × 'Korean' in a Cooperative Program of the Minnesota Agricultural Experiment Station. Received Sept. 23, 1970.

The variety is medium in height and has medium to good standability. The canopy is quite narrow and the leaves medium to light green. The pods are medium to long, medium dark brown, and nonshriveled. The seeds are medium to large in size, with the black hilum and tawny pubescence. The plants are quite hardy. The variety has been grown in Minnesota, North Dakota, South Dakota, and Michigan.

No. 7349, Scientific Journal Series, Minnesota Agricultural Experiment Station.

Seed was released to certified growers in Minnesota, North Dakota, South Dakota, and Michigan.

1 Registered by the Crop Science Society of America. Published January, 1971
2 Professor of Agronomy and Plant Genetics, University of Minnesota, St. Paul, Minnesota 55101.
3 Associate Professor, Department of Plant Science, University of Manitoba, Winnipeg, Manitoba.

REGISTRATION OF CL. 41-191 SUGARCANE2
(Reg. No. 15)

B. A. Bourne and L. M. Weetman5

The sugarcane clone 'CL 41-191' is a selection of 'Co. 301' × 'C.P. 29-103' and is derived from Saccharum officinarum L., S. spontaneum L., and S. barberi. The cross was made at Clewiston, Fla., during the 1940-1941 crossing season. CL 41-191 was developed by the States Sugar Corporation and was first grown on November 1, 1947.