

# 'TROCHU'

## NEW HIGH-YIELDING BARLEY VARIETY

August 2002 – Field Crop Development Centre

Trochu is a new 6-row, smooth awn feed barley that is now available to producers. Trochu was developed by the Field Crop Development Centre at Lacombe and is marketed by SeCan Association.

Trochu was higher yielding than all check varieties in the Western Cooperative Registration Trials. It was tested in the Coop trials as BT 558 and as H87046003 from 1994 to 2000, and was registered in 2000. Trochu showed good average percent plump seed, and high test weight and kernel weight.

The greatest market for 6-row barley is the cattle feed industry, and the high percent plump and kernel weight of Trochu means that more uniform processing can be obtained. While the disease package of Trochu is no better than AC Lacombe, it has a different source of resistance to scald and will show intermediate reactions in the field to scald and net blotch. Trochu has better common root rot resistance compared to AC Lacombe. All trials show Trochu to have better lodging resistance than AC Lacombe, although it is not as good as semi-dwarf varieties. Trochu has 4.5% higher silage yield than AC Lacombe.

Trochu is a good replacement for AC Lacombe; it has a different scald resistance gene, a higher % plump seed and good straw strength and silage yields.

Consult your SeCan dealer for seed.

**FIELD CROP DEVELOPMENT CENTRE**  
Yield (kg/ha) Data 1996-1999

	DEEP BLACK	DRY BROWN	HIGH FERT.	IRR.	LATE SEEDED	PARKLAND	PEACE	TOTAL
	(kg/ha)	(kg/ha)	(kg/ha)	(kg/ha)	(kg/ha)	(kg/ha)	(kg/ha)	(kg/ha)
<b>TROCHU</b>	<b>9238.9</b>	<b>7268.1</b>	<b>9138.9</b>	<b>8630.3</b>	<b>6593.5</b>	<b>6281.3</b>	<b>4897.2</b>	<b>7851.5</b>
AC LACOMBE	8668.3	6842.8	8666.4	8130.3	6113.4	6217.9	5004	7424.6
KASOTA	8284.7	6362.7	8081.1	7502.8	5944.9	5939.4	4772.8	7019
TUKWA	8521.4	6544	8401.4	8198.1	6318.9	6431	4830.8	7312.9
Station years	12	9	6	4	6	2	4	43

**FIELD CROP DEVELOPMENT CENTRE**  
Agronomic Data 1996-1999

	MATURITY days	1000 KWT g	TEST WT. kg/hl	ANTHESIS days	HEIGHT cm
<b>TROCHU</b>	<b>100.4</b>	<b>38.1</b>	<b>61.6</b>	<b>57.6</b>	<b>88.6</b>
AC LACOMBE	99.4	40.6	60.6	58.2	94.5
KASOTA	96.5	33.6	61.1	55.4	81.6
TUKWA	98.5	33.9	61.3	60.1	83.8
Station years	39	42	42	38	42

**FIELD CROP DEVELOPMENT CENTRE**  
Silage Yield Data

	Dry Silage Yield kg/ha	% Check
<b>TROCHU</b>	<b>14083</b>	<b>104</b>
AC LACOMBE	13481	100
Station years	3	3

Continued

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## WESTERN COOPERATIVE BARLEY TRIAL

### Yield and Agronomic Data 1998-1999

	<b>YIELD (kg/ha)</b>	<b>MATURITY (days)</b>	<b>HEIGHT (cm)</b>	<b>TEST WT. (kg/hl)</b>	<b>1000 KWT (g)</b>	<b>LODGING (0-9)</b>	<b>% PLUMP (%)</b>	<b>HEADING (days)</b>
<b>TROCHU</b>	<b>5998.7</b>	<b>91.2</b>	<b>87.4</b>	<b>62.4</b>	<b>39.1</b>	<b>3.8</b>	<b>80</b>	<b>56</b>
AC LACOMBE	5914.8	90.9	90.7	61.1	40.2	3.1	68.1	56.6

## WESTERN COOPERATIVE BARLEY TRIAL

### Yield (kg/ha) Data by Soil Zone 1998-99

	<b>EASTERN BLACK</b>	<b>BROWN</b>	<b>WESTERN BLACK</b>	<b>GREY-WOODED</b>
<b>TROCHU</b>	<b>5192.9</b>	<b>7437.4</b>	<b>6522.4</b>	<b>4208.6</b>
AC LACOMBE	5422.6	7218.5	6249.9	3945.0