

'VIVAR'

NEW SEMI-DWARF BARLEY VARIETY

August 2002 - Field Crop Development Centre

New! A semi-dwarf 6-row feed barley, Vivar, which was developed by the Field Crop Development Centre in Lacombe, is available to producers. Vivar is marketed by SeCan Association.

Vivar was tested in the Western Cooperative Semi-Dwarf Barley trials as SD 516 and as H87020011 between 1994 and 2000. The pedigree is LEDUC//DL69/DL70//NOBLE/CM67-U.SASK1800xPRO-CM67/DL7. It received registration in 2000.

Vivar is a 6-row, rough-awned, semi-dwarf feed barley, with a yellow aleurone. Vivar was higher yielding than all the check varieties in the Co-op test. It has both larger seed size and higher test weight than the semi-dwarf checks, giving it a higher % plump. Lodging is equal to the semi-dwarf checks, however, it is holding up more yield. Its maturity is medium, between CDC Earl and Tukwa, and equal to the standard height check AC Lacombe. Vivar has a disease resistance package similar to Tukwa, with an intermediate reaction in the field to both scald and net blotch.

Vivar is best adapted to the high yielding areas of Alberta. It has higher silage yield than AC Lacombe and responds to moisture and fertility. With the high % plump and seed weight compared to other 6-row varieties, Vivar will process well for the beef cattle industry.

Contact your SeCan dealer for seed of Vivar.

WESTERN COOPERATIVE SEMI-DWARF BARLEY TRIAL

Yield and Agronomic Data 1998-99

	YIELD (kg/ha)	MATURITY (days)	HEIGHT (cm)	TEST WT. (kg/hl)	1000KWT (g)	LODGING (0-9)	% PLUMP (%)	ANTHESIS (days)
TUKWA	6530.7	94.3	83.9	62.3	33.4	3	67	59.8
CDC EARL	6350.8	96.1	82.6	59.8	35.1	3	57	60.1
KASOTA	6215.0	92.7	82.8	61.4	32.6	3	47	54.8
AC LACOMBE	6579.4	95.5	93.8	60.9	40.1	4	64	58.0
VIVAR	7120.7	95.9	85.3	61.8	40.8	3	77	59.2

WESTERN COOPERATIVE SEMI-DWARF BARLEY TRIAL

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

	ALBERTA BLACK kg/ha	ALBERTA IRRIGATION kg/ha	ALBERTA PEACE kg/ha	SASKATCHEWAN kg/ha	MANITOBA kg/ha
TUKWA	7841	7162	3673.7	5422.1	3676.5
CDC EARL	7730	6772	3579.2	5256.9	3646.0
KASOTA	7452	6676	3326.2	5084.2	4132.7
AC LACOMBE	7736	7131	4096.0	5752.1	3882.7
VIVAR	8652	7783	4036.2	5800.6	3744.6

FIELD CROP DEVELOPMENT CENTRE TRIALS

Yield (kg/ha) Data 1996-1999

	DEEP BLACK (kg/ha)	DRY BROWN (kg/ha)	HIGH FERT. (kg/ha)	IRR. (kg/ha)	LATE SEEDED (kg/ha)	PARKLAND (kg/ha)	PEACE (kg/ha)	TOTAL (kg/ha)
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
VIVAR	9491.9	7270.9	9548.6	9018.0	6673.7	6477.3	5259.2	8063.7
Station years	12	9	6	4	6	2	4	43

Continued

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FIELD CROP DEVELOPMENT CENTRE Agronomic Data 1996-1999					
	MATURITY (days)	1000 KWT (g)	TEST WT. (kg/ha)	ANTHESIS (days)	HEIGHT (cm)
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
VIVAR	100.4	40.9	61.8	59.6	85.6
Station years	39	42	42	38	42

FIELD CROP DEVELOPMENT CENTRE Silage Data 1997-2001		
	Dry Yield	
	Silage kg/ha	% Vivar
AC LACOMBE	11960.84	93.55
VIVAR	12856.99	100