

PROJECT TITLE: Pacific Northwest Canola Variety Trial

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OBJECTIVE: Compare yield potential of experimental canola cultivars with established varieties.

METHODS:

Eighteen canola cultivars were planted at 5 lbs/acre on 4/29/03 on a dryland site underconventional tillage. The soil was fertilized pre-plant with 79 lbs N + 28 lbs P₂O₅ + 124 lbs K₂O + 24 lbs S/acre. Each plot consisted of 4-20' long rows spaced 1-foot apart. Number of emerged plants was counted in each plot on 5/28/03. The date on which 50% of the plants in each plot had bloomed was recorded. The canola was swathed on 8/5/03, when most of the plants had turned light brown. The seed was thrashed on 8/15/03.

RESULTS:

The check variety 'Goldrush', 'VISH.03.2', and 'HyClass.2061RR' had the best early stands (Table 1). Goldrush was the earliest to flower (43 days after planting). 'Clearwater CF' was the highest yielding variety (1298 lbs/a) and Goldrush was the lowest (132 lbs/a).

See Table 1 on the next page.

Table 1. Agronomic data from the Pacific Northwest Canola Variety Trial at Kalispell MT in 2003.

Variety	Stand	Flowering	Yield	Test Weight
	<i>plants/sqft</i>	<i>day after planting</i>	<i>lbs/acre</i>	<i>lbs/bu</i>
CHN.501	1.2	51.0	739.6	40.1
CHN.503	1.9	50.8	997.7	40.5
Clearwater CF	2.5	50.7	1297.8	39.7
Garnet	3.2	49.5	1139.2	40.3
Goldrush	4.2	43.3	131.7	NS
Hero	0.7	51.0	536.2	40.1
HyClass.2061RR	3.8	51.0	1091.2	39.8
Hyola.357MagnRR	1.3	48.0	1004.2	40.2
Hyola.401	1.9	48.5	930.8	41.0
IMC.109RR	0.8	50.3	962.1	40.7
IMC.110RR	0.5	51.8	519.9	40.9
IMC.208RR	1.3	50.3	728.8	39.2
IMC.304RR	1.0	50.7	812.0	39.8
Impress CF	1.1	51.7	370.7	39.9
Kab.36 CF	2.0	51.3	667.8	39.5
Variety	Stand	Flowering	Yield	Test Weight
Premier	0.7	50.5	603.0	40.5
Profit	2.3	50.0	910.7	39.9
Sterling	2.3	48.8	877.5	39.8
Sunrise	1.7	50.5	1238.0	40.3
VISC.00.1.3.12	1.6	50.8	800.5	39.8
VISC.00.1.3.5	2.2	50.3	916.2	40.3
VISC.00.3.1.17	3.5	48.5	1110.3	40.4
VISC.00.3.1.7	1.6	48.0	1027.0	40.0
VISC.00.3.13.12	1.2	51.0	833.4	40.0
VISH.00.3.8.DE	1.8	49.3	781.9	40.2
VISC.02.3.14	3.6	51.0	859.4	40.3
VISC.02.4.18	3.0	50.3	716.4	40.1
VISH.00.3.13.19	2.1	49.5	1108.9	40.6
VISH.00.3.13.25	2.9	49.0	903.6	40.6
VISH.00.3.19.23	2.2	50.5	670.2	40.5
VISH.00.3.19.7	2.4	49.8	905.5	40.7
VISH.03.1	2.3	50.8	800.7	40.2
VISH.03.2	4.9	49.0	1055.4	40.7
VISH.03.3	2.9	49.5	967.7	40.8
VISH.03.4	2.8	50.5	724.9	40.4
Westar	1.3	51.0	837.0	40.6
Mean	2.1	49.9	849.4	40.2
LSD(0.05)	1.3	1.1	507.0	0.4