

YEAR/PROJECT: 1993/758 WINTER CANOLA NATIONAL VARIETY TEST

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Twelve cultivars of winter canola were seeded on fallow on August 26, 1992 at 7 lbs/a. The experimental design was a randomized complete block with 4 replicates. Plots consisted of four 12-ft rows spaced 12 inches apart.

Treflan was preplant incorporated at 1 lb AI/a. No fertilizer was applied to the nursery. With the exception of 'Ceres' and 'Cobra', acceptable stands were obtained for all cultivars and, with adequate snow cover, at least 60% survived the winter. First bloom occurred in mid-May and continued for approximately six weeks. All cultivars matured in the first week of August. The plants in each plot were hand cut when most of the pods were brown. The plants were bound together and laid on the plot stubble to dry. The seed was thrashed out by feeding the plants into a Hege plot combine. Shatter was estimated to be only 10%. Seed yields varied from 2456 lbs/a ('Cascade') to 3766 lbs/a ('Apache'). Small samples of the open pollinated seed were submitted to determine oil content.

VARIETY	STAND ^{1/} (1-5)	WINTER	FIRST	MATUR	HT	YIELD
		SURV ^{2/} %	BLOOM May			
Apache	1.4	83	17	4	45	3766
Pendleton	1.5	64	18	4	47	3640
DP91-3	1.7	85	18	4	46	3550
Capricorn	1.8	78	17	5	47	3513
Cobra	2.5	90	17	4	47	3098
Liborius	1.4	60	19	4	46	3050
CPB 90607	1.6	71	18	5	44	3029
Inca	1.3	68	17	5	44	3018
Ceres	2.1	84	18	4	45	3010
Doublol	2.2	60	19	4	45	2891
Bridger	2.4	80	16	4	44	2704
Cascade	1.9	85	16	4	44	2456
MEAN	1.8	76	17	4	45	3144
LSD(0.05)	0.9	21	1	1	6	647
P-VALUE	0.11	0.05	0.00	0.03	0.96	0.01
CV(s/mean)	34.0	19.5	4.7	16.6	9.0	14.3

^{1/}10/2/92: Visual estimates (1=excellent; 5=no stand)

^{2/}4/20/93: % established plants surviving winter (visual estimates)