

YEAR/PROJECT: 1991/758 INTRASTATE SPRING CANOLA YIELD TRIAL

PERSONNEL: Leader - Leon Welty
 Research Specialist - Louise Prestbye
 In cooperation with Dr. Jim Sims, MSU

Seven varieties of spring canola were planted on 4/30/91 at 7 lbs/acre. 'Tobin' (a *B. campestris* variety) was first to flower on 6/14, and 'Seedtec' and 'IMC EX910' were latest on 7/3. Tobin matured on 7/24, 12 days before the other varieties. Mature heights averaged 46 inches. All plants from each plot were cut and bundled on 8/5/91 and thrashed when dry. A harvest area of 48 sq.ft. was used to determine yields. 'IMC 144' and 'IMC 129' produced significantly more seed than Tobin, IMC EX910 and Seedtec.

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VARIETY	EMERGENCE day	HEIGHT inches	MATURITY day	YIELD lbs/a
IMC 144	12	50	98	2178
IMC 129	12	47	98	2035
Westar	12	46	98	1804
Pactol	13	47	99	1681
Tobin	10	41	85	1326
IMC EX910	12	51	95	1274
Seedtec	12	42	75	1243
Mean	12	46	92	1649
LSD(0.05)	1	15	28	617
P-VALUE	0.00	0.83	0.49	0.02
CV(s/mean)	4.2	21.5	20.1	25.1

1/ Day 12 = 5/12/91

2/ Day 99 = 8/7/91

Seeding date: 4/30/91

Seeding rate: 7 lbs/a

Fertilizer: 60 lbs P205/a + 80 lbs N/a on 5/9/91