

YEAR/PROJECT: 1992/758 INTRASTATE SPRING CANOLA YIELD TRIAL

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

Seven varieties of spring canola were planted on April 12, 1992 at 6 lbs/acre. On 5/7/92, 40 lbs P₂O₅/acre, 60 lbs N/a and 25 lbs S/acre were applied. All plants from each plot were cut and bundled when mature and thrashed with a plot combine when dry. The check variety, 'Westar', was the earliest to mature at 107 days after seeding. It was also the lowest yielding variety. 'ST-213', 'Helios', 'Legend' and 'Cyclone' had significantly higher yields than Westar.

<u>VARIETY</u>	^{1/} <u>EMERG</u> day	<u>VIGOR</u> (0-5)	^{2/} <u>FLOWER</u> day	<u>HEIGHT</u> inches	^{3/} <u>MATUR</u> day	<u>YIELD</u> lbs/a
ST-213	12	4	56	46	114	2304
Helios	12	3	61	53	117	2200
Legend	13	2	62	56	117	2073
Cyclone	13	3	58	49	114	2060
Iris	13	3	62	55	117	1914
S-1450	13	3	62	54	117	1821
Westar	14	4	56	46	107	1778
Mean	13	3	60	51	115	2021
LSD(0.05)	0.9	1	2	5	1.1	246
P-VALUE	0.01	0.01	0.00	0.00	0.00	0.00
CV(s/mean)	4.9	19.8	1.8	6.8	0.7	8.2

1/ Day 12 = 4/24/92

2/ Day 56 = 6/7/92

3/ Day 114 = 8/4/92