

Volunteer canola and flax control in dry pea (2003)

Majoret dry peas were seeded April 29 at 160 lb/A. Canola and flax were seeded immediately following the peas to simulate a volunteer situation. Individual plots were 10 x 30 ft and replicated three times. PRE and POST treatments were applied May 1 and May 31, respectively. Select was applied over the entire study to control grass weeds three hours after the POST treatment on May 31. Volunteer canola and flax control were evaluated. Dry peas were harvested Aug 1.

Treatment ^a	Rate	Timing	Vol. Canola		Vol. Flax		Dry pea			
			Jun 20	Jul 21	Jun 20	Jul 21	Jun 20	Jul 21	Yield	Test wt.
			—————% control —————				—% injury —		lb/A	lb/bu
Sencor	0.25 lb	PRE	91	93	68	56	0	0	2152	65.1
Sencor	0.375 lb	PRE	98	100	87	84	0	0	2396	65.5
Sencor	0.5 lb	PRE	100	100	94	93	2	1	2440	65.3
Spartan + Pursuit	4 oz+ 1 fl oz	PRE	94	99	71	79	0	0	2380	65.5
Spartan	4 oz	PRE	44	73	0	2	0	0	1535	65.2
Pursuit	1 fl oz	PRE	81	92	59	84	0	0	2078	65.6
Sencor	0.083 lb	POST	72	78	32	12	0	0	1590	65.5
Sencor	0.167 lb	POST	94	97	43	21	0	0	1984	65.5
Sencor	0.25 lb	POST	98	99	82	72	8	5	2321	65.6
Raptor + Basagran	2 fl oz + 1 pt	POST	100	100	5	2	0	2	1717	65.7
Basagran	2 pt	POST	100	100	4	2	3	0	1382	65.6
Ultra Blazer	0.75 pt	POST	98	98	99	96	18	8	2308	64.9
MCPA amine	4 fl oz	POST	78	82	7	5	6	0	1350	65.6
Untreated			0	0	0	0	0	0	1055	65.2
LSD (0.05)			14	8	10	15	5	3	715	NS
CV			10	5	13	20	107	131	22	0.5

^aBasagran was applied with 1% v/v COC, and Ultra Blazer was applied with 0.25% v/v NIS on June 5.

Volunteer canola population was variable due to flea beetle pressure early in the season. Most treatments provided excellent volunteer canola control by the July 21 evaluation. Spartan alone, and Sencor at 0.083 lb POST provided only fair volunteer canola control and MCPA amine provided good control. Ultra Blazer and Sencor applied PRE at 0.5 lb provided the best volunteer flax control at 96, and 93%, respectively, at the July 21 evaluation. Although Ultra Blazer caused significant visible dry pea injury, especially at the June 20 evaluation, dry peas treated with Ultra Blazer yielded very well compared to other treatments.