

Evaluation of dry pea tolerance to fall- vs. spring-applied Spartan in a loam soil (2004)

'Majoret' dry pea was seeded April 26 at 120 lb/A into 7.5-inch rows. Individual plots were 10 x 30 ft and replicated three times. Fall herbicide treatments were applied October 6, 2003, and spring treatments were applied April 26, 2004. The primary weed evaluated was kochia. The study was conducted on a loam soil with soil pH 6.0 and 3.0% organic matter.

There was essentially no visible crop injury with any fall or spring treatment. There was no significant difference in plant stand for any treatment. There were no significant differences in yield between any treatments. We included two untreated treatments in the study.

All Spartan treatments provided excellent kochia control. The dry pea crop was excellent and was very competitive with weeds.

Treatment	Rate	Timing	Dry pea		Yield Aug 12	Test Wt. lb/bu	Kochia	
			May 26 pl/m row	Jul 27 % injury			Jun 16 % control	Jul 27 % control
Untreated			10.4	0	2953	64.2	0	0
Spartan	2 oz	Fall	9.6	0	3167	64.5	93	100
Spartan	3 oz	Fall	9.5	0	3208	64.5	93	100
Spartan	4 oz	Fall	9.7	0	3181	64.3	98	100
Spartan	5.33 oz	Fall	10.4	2	2929	64.5	100	100
Spartan	2 oz	Spring	10.4	0	2922	64.7	83	100
Spartan	3 oz	Spring	10.2	0	3167	64.7	95	100
Spartan	4 oz	Spring	11.1	0	3378	64.7	98	100
Spartan	5.33 oz	Spring	10.0	0	3182	64.7	100	100
Untreated			10.0	0	2992	64.6	0	0
LSD (0.05)			NS	2	NS	NS	8	1
CV			8.2	548	9	0.8	6	0