

Pre-harvest weed desiccation in dry pea with Sharpen, Valor, and Paraquat

'Majoret' dry pea was seeded May 11 at 140 lb/A into 7.5-inch rows into wheat stubble. Desiccation treatments were applied pre-harvest on August 4. Weeds present were common lambsquarters (Colq), kochia (Kocz), and wild buckwheat (Wibw). Individual plots were 10 x 30 ft and replicated four times.

Sharpen + Glyphosate provided at least 90% desiccation of all weeds two weeks after treatment (WAT), whereas desiccation with Sharpen alone ranged from 77-83%. Valor provided 43-66% desiccation and Gramoxone Inteon provided 64-73% desiccation. There were no significant differences in dry pea yield or test weight between treatments. A black sooty mold blanketed the dry peas just before application, thus dry pea desiccation could not be estimated. Note: As of December 2009, Sharpen and Valor are not labeled for use as desiccants in dry pea.

Table. Pre-harvest weed desiccation in dry pea with Sharpen, Valor, and Paraquat (0907).

Treatment ^a	Rate	Colq ^b	Kocz ^b	Wibw ^b	Dry pea	
		2 WAT	2 WAT	2 WAT	Yield	TW
		-----% control-----			lb/A	lb/bu
Untreated		0	0	0	2743	66.4
Sharpen + MSO + AMS	2 fl oz + 1% + 2%	83	77	83	2757	66.2
Sharpen + Glyphosate + MSO + AMS	1 fl oz + 1 qt + 1% + 2%	91	91	90	2672	66.1
Valor + MSO	2 oz + 1%	43	66	55	2457	66.2
Gramoxone Inteon + NIS	1.5 pt + 0.25%	68	64	73	2595	65.6
LSD (0.05)		9.6	9.3	12	NS	NS
CV		11	9	13	11	1

^a All treatments applied pre-harvest and evaluated 2 weeks after treatment (WAT)

^b Colq =Common lambsquarters; Kocz =Kochia; Wibw =Wild buckwheat