

Dry pea tolerance to Spartan and Sharpen tank mixes

The objective of the study was to evaluate dry pea tolerance to Spartan and Sharpen applied alone or in a tank mix at different rates. All treatments were applied preemergence. Spartan at 3 oz and Sharpen at 1 oz were considered as the 1X rates. Spartan at 3 oz + Sharpen at 2 oz caused 10% injury or less. Rates up to Spartan 6 oz + Sharpen 4 oz caused 10-20% injury. Sharpen applied alone at 6 oz caused up to 26% injury and was the only treatment that caused a yield reduction.

Table. Dry pea tolerance to Spartan and Sharpen tank mixes. (1439)

Treatment ^{ab}	Rate	Dry pea										Yield	Test wt.	
		Injury					Density		Height		19-Aug			19-Aug
		30-May	10-Jun	27-Jun	10-Jul	8-Aug	12-Jun	pl m row	Jun-2-	18-Jul				
Untreated		0	0	0	0	0	10.3	34.4	81.7	3411	66.5			
Spartan	3 oz	0	3	2	2	1	9.6	32.0	81.0	3736	66.5			
Spartan	6 oz	0	9	7	5	5	11.7	32.4	82.5	3999	66.9			
Spartan + Sharpen	3 oz + 1 oz + 1%	0	6	7	8	9	9.9	31.7	83.7	3970	66.3			
Spartan + Sharpen	3 oz + 2 oz + 1%	0	6	8	10	9	10.7	32.7	81.1	3573	66.8			
Spartan + Sharpen	6 oz + 2 oz + 1%	0	13	10	10	11	11	32.9	82.4	3928	66.6			
Spartan + Sharpen	6 oz + 4 oz + 1%	0	17	19	20	19	9.3	28.9	83.3	3834	66.6			
Sharpen + MSO	3 oz + 1%	0	6	8	8	8	10	31.2	83.7	3689	66.5			
Sharpen + MSO	6 oz + 1%	0	15	17	26	23	8.9	32.6	77.2	2983	66.5			
Untreated		0	0	0	0	0	10	33.1	82.9	3366	66.2			
LSD (0.05)		NS	2.8	3.8	12.1	13.1	NS	NS	NS	NS	NS			
CV		0.0	22.2	28.5	77.7	88.7	12.4	5.5	6.8	11.2	0.6			

^aAll treatments applied PRE

^bAll treatments applied with Glyphosate + AMS (32 oz + 2.94 gal/100 gal); Glyphosate = 3 lb ae formulation