Study Name: Evaluation of weed control and lentil tolerance to BAS 800 applied 5 DPP (0707)

Objectives: Evaluate residual weed control and lentil tolerance to BAS 800 applied 5 days prior to planting (DPP).

Results:
No other herbicides were applied in this study other than those shown in the table below. Approximately 13 inches of rain fell in May and June causing very wet soil conditions following the herbicide application. On June 21, 8 and 16% crop injury was observed from BAS 800 at 1.43 and 2.85 fl oz, respectively. Visual crop injury subsided to less than 10% injury by mid-July. These results are in contrast to study 0706 where BAS 800 at 2.85 fl oz + Prowl caused as much as 81% lentil injury. However, in this study, the same rate of BAS 800 applied alone caused only 16% lentil injury. BAS 800 at either rate provided very little residual weed control.

		Lentil			Vol. Canola			Wibw[b]			Rrpw[b]		
		% injury			% injury			% control			% control		
Treatment[a]	Rate	Jun 9	Jun 21	Jul 11	Jun 9	Jun 21	Jul 11	Jun 9	Jun 21	Jul 11	Jun 9	Jun 21	Jul 11
Untreated Check		0	0	0	0	0	0	0	0	0	0	0	0
Roundup Original + Agridex	32fl oz + 1%	0	0	0	0	0	0	0	0	0	0	0	0
BAS 800 03H + Roundup Original + Agridex	1.43fl oz + 32fl oz + 1%	0	8	3	0	0	0	0	0	0	20	13	0
BAS 800 03H + Roundup Original + Agridex	2.85fl oz + 32fl oz + 1%	0	16	7	0	0	0	0	0	0	20	13	0
LSD (0.05)		0	10	11	0	0	0	0	0	0	0	13	0
CV		0	87	221	0	0	0	0	0	0	0	100	0

[a] *Treatments applied 5 days prior to planting. All treatments applied with AMS at 17 lb/100gal*

[b] *Wibw = Wild buckwheat; Rrpw = Redroot pigweed*