

## Weed control in sunflower with BroadAxe

The objective of the study was to evaluate weed control in sunflower with BroadAxe, a new premix formulation of Spartan + Dual by FMC. Treatments were applied preemergence on June 9. Select Max was applied POST to only two of the treatments listed in the table below. No crop injury was observed with any treatment. BroadAxe or Dual provided good to excellent foxtail control. Foxtail control with Prowl H2O alone weakened over time. The best foxtail control was from the high rate of BroadAxe or the low rate followed by Select Max. None of the preemergence treatments controlled volunteer wheat. All treatment generally provided good pigweed control, although the pigweed density was very light.

Table. Weed control in sunflower with BroadAxe. (1123)									
Treatment <sup>c</sup>	Rate	Injury		Weed Control <sup>b</sup>					
		Sunflower		Yeft		Vowh		Rrpw	
		9-Jul	16-Jul	9-Jul	2-Aug	9-Jul	2-Aug	9-Jul	2-Aug
		-----%-----		-----%-----					
BroadAxe	25 oz	0	0	96	89	23	15	100	100
BroadAxe	35 oz	0	0	97	94	32	27	100	100
Spartan Charge	5.75 oz	0	0	30	18	3	3	100	100
Prowl	2.5 pt	0	0	96	77	15	13	98	81
BroadAxe / Select <sup>c</sup>	25 oz / 9 oz	0	0	100	93	98	96	100	100
Dual Magnum	1.25 pt	0	0	97	91	23	18	100	100
Spartan + Prowl / Select <sup>c</sup>	3 oz + 2.5 pt / 9 oz	0	0	100	87	98	96	98	97
Untreated		0	0	0	0	0	0	0	0
LSD (0.05)		NS	NS	11	8	9	7	3	5
CV		0	0	8	7	13	12	2	3
<sup>a</sup> All treatments applied PRE; Prowl=Prowl H2O									
<sup>b</sup> Yeft=Yellow foxtail; Vowh=Volunteer wheat; Rrpw=Redroot pigweed									
<sup>c</sup> Select Max (9 oz)+ NIS (0.25%) applied POST									