

## Weed control in corn

The objective of this study was to evaluate various corn herbicides for crop safety and general weed control. Corn was planted May 11. Preemergence herbicides were applied May 15 and POST herbicides were applied June 9 (V2) and June 15 (V4). All treatments provided greater than 80% control of all weeds through mid-July. However, foxtail control was not sustained through the season.

Table 1. Weed control in corn. (1524)

Treatment <sup>e</sup>	Rate	Timing	Corn			Weed Control <sup>f</sup>		
			Injury			Yeft		
			Jun-10	Jun-27	Jul-11	Jun-10	Jun-27	Jul-11
Untreated			0	0	0	0	0	0
Gly <sup>b</sup> / Gly <sup>b</sup>	22 oz / 22 oz	V2 / V4	0	0	0	0	89	83
Acet / Liberty + Atrac <sup>c</sup>	1.75 pt / 22 oz + 0.375 lb ai	PRE / V4	0	0	0	94	97	91
Acet / Gly + Atrab <sup>b</sup>	1.75 pt / 22 oz + 0.375 lb ai	PRE / V4	0	0	0	97	97	92
Balance Pro / Gly + Atrab <sup>b</sup>	2.5 oz / 22 oz + 0.375 lb ai	PRE / V4	0	0	0	83	92	94
Acet / Steadfast + Clarity + Atrad <sup>d</sup>	1.75 pt / 0.75 oz + 4 oz + 0.375 lb ai	PRE / V4	0	3	3	97	98	93
Acet / Option + Status <sup>d</sup>	1.75 pt / 1.5 oz + 5 oz	PRE / V4	0	11	9	98	97	92
Acet + Clarity / Gly + Atrab <sup>b</sup>	1.25 pt + 0.5 pt / 22 oz + 0.375 lb ai	PRE / V4	0	0	0	91	97	89
Zidua / Gly + Atrab <sup>b</sup>	3 oz / 22 oz + 0.375 lb ai	PRE / V4	0	0	0	87	98	97
Sharpen + Outlook / Gly + Atrab <sup>b</sup>	3 oz + 12.5 oz / 22 oz + 0.375 lb ai	PRE / V4	0	0	0	92	96	91
Acet / Armezon + Atrae <sup>e</sup>	1.75 pt / 0.75 oz + 0.375 lb ai	PRE / V4	0	0	0	97	96	93
Acet / Capreno + Atrae <sup>e</sup>	1.75 pt / 3 oz + 0.375 lb ai	PRE / V4	0	16	14	97	98	98
LSD (0.05)			NS	3.9	3.0	5.4	5.7	3.9
<sup>a</sup> Gly=Glyphosate; Acet=Acetochlor; Atrab=Atrazine								
<sup>b</sup> Applied with AMS at 2.5 gal/100 gal								
<sup>c</sup> Applied with AMS at 8.82 gal/100 gal								
<sup>d</sup> Applied with MSO + UAN at 1.5 pt + 2 qt								
<sup>e</sup> Applied with MSO + AMS at 1% + 2.5 gal/100 gal								
<sup>f</sup> Yeft=Yellow foxtail; Wib w=Wild buckwheat; Colq=Common lambsquarters; Rrpw=Redroot pigweed								

Table 2. Weed control in corn. (1524)

Treatment <sup>a</sup>	Rate	Timing	Wibw		Colq		Rrpw					
			Jun-10	Jul-11	Jun-10	Jul-11	Jun-10	Jun-27	Jul-11			
Untreated												
Gly <sup>b</sup> / Gly <sup>b</sup>	22 oz / 22 oz	V2 / V4	0	0	0	0	0	0	0	0	0	0
Acet / Liberty + Atrac <sup>c</sup>	1.75 pt / 22 oz + 0.375 lb ai	PRE / V4	70	97	73	99	99	99	99	99	99	96
Acet / Gly + Atrab <sup>b</sup>	1.75 pt / 22 oz + 0.375 lb ai	PRE / V4	72	94	72	99	99	99	99	99	99	95
Balance Pro / Gly + Atrab <sup>b</sup>	2.5 oz / 22 oz + 0.375 lb ai	PRE / V4	27	93	99	99	99	98	99	99	99	97
Acet / Steadfast + Clarity + Atrad <sup>d</sup>	1.75 pt / 0.75 oz + 4 oz + 0.375 lb ai	PRE / V4	72	98	77	99	99	99	99	99	99	99
Acet / Option + Status <sup>d</sup>	1.75 pt / 1.5 oz + 5 oz	PRE / V4	72	98	75	99	99	99	99	99	99	99
Acet + Clarity / Gly + Atrab <sup>b</sup>	1.25 pt + 0.5 pt / 22 oz + 0.375 lb ai	PRE / V4	92	97	96	99	99	98	99	99	99	95
Zidua / Gly + Atrab <sup>b</sup>	3 oz / 22 oz + 0.375 lb ai	PRE / V4	57	93	63	97	97	90	99	99	99	99
Sharpen + Outlook / Gly + Atrab <sup>b</sup>	3 oz + 12.5 oz / 22 oz + 0.375 lb ai	PRE / V4	97	98	99	99	99	99	99	99	99	98
Acet / Armezon + Atrae <sup>e</sup>	1.75 pt / 0.75 oz + 0.375 lb ai	PRE / V4	73	86	77	99	99	97	99	99	99	99
Acet / Capreno + Atrae <sup>e</sup>	1.75 pt / 3 oz + 0.375 lb ai	PRE / V4	72	99	75	99	99	99	99	99	99	99
LSD (0.05)			7.5	8.1	7.9	2.6	3.4	0	3.4	0	3.4	

<sup>a</sup>Gly=Glyphosate; Acet=Acetochlor; Atrab=Atrazine

<sup>b</sup>Applied with AMS at 2.5 gal/100 gal

<sup>c</sup>Applied with AMS at 8.82 gal/100 gal

<sup>d</sup>Applied with MSO + UAN at 1.5 pt + 2 qt

<sup>e</sup>Applied with MSO + AMS at 1% + 2.5 gal/100 gal

<sup>f</sup>Yef=Yellow foxtail; Wibw=Wild buckwheat; Colq=Common lambsquarters; Rrpw=Redroot pigweed