Weed control in corn

The objective of the study was to evaluate grass and broadleaf weed control in corn with various PRE and POST herbicides. Treatments were applied PRE (May 3) and POST at the V4 corn stage (June 4) with one exception. Resolve + glyphosate was applied at the V2 stage (May 24). Weed were ≤ 2 inches at the V2 stage and ≤ 4 inches at the V4 stage. No crop injury was observed with any treatment. All treatments provided excellent control of wild buckwheat, kochia, and lambsquarters. Most treatments provided good to excellent yellow foxtail control (89-99%) at the final evaluation on August 7. Resolve + glyphosate followed by glyphosate and Acetochlor followed by WideMatch + Atrazine provided lower foxtail control (77-80%).

Table. Weed control in corn. (1245)													
				-		W	/eed Co	ed Control ^b					
			Yeft			Wibw			Koch		Colq		
Treatment	Rate	Timing	25-May	3-Jul	7-Aug	25-May	3-Jul	7-Aug	3-Jul	7-Aug	3-Jul	7-Aug	
			%%%%%										
Untreated ^a			0	0	0	0	0	0	0	0	0	0	
Acetochlor+Atrazine / Gly+AMS	1.75 pt+0.375 lb / 22 fl oz+2.5%	PRE/V4	88	99	99	45	98	97	99	99	99	99	
Acetochlor+Atrazine / Liberty+AMS	1.75 pt+0.375 lb / 22 fl oz+8.82%	PRE/V4	81	97	89	54	98	94	99	99	99	99	
Acetochlor / Gly+AMS+Atrazine+Superb	1.75 pt / 22 fl oz+2.5%+0.375 lb+0.5%	PRE/V4	88	99	98	33	97	96	99	99	99	99	
Balance Pro / Gly+AMS+Atrazine	2.5 fl oz / 22 fl oz+2.5%+0.375 lb+0.5%	PRE/V4	62	97	93	3	96	96	99	99	99	99	
Acetochlor / Steadfast+Clarity+Atrazine+MSO+UAN	1.75 pt / 0.75 oz+4 oz+0.375 lb+1.5 pt+2 qt	PRE/V4	90	99	98	40	98	96	99	99	99	99	
Acetochlor / Option+Status+MSO+UAN	1.75 pt / 1.5 oz+5 oz+1.5 pt+2 qt	PRE/V4	79	98	94	47	98	98	99	99	99	99	
Acetochlor / WideMatch+Atrazine+Superb	1.75 pt / 1 pt+0.375 lb+0.5%	PRE/V4	84	83	80	47	98	98	99	99	99	99	
Resolve+Gly+NIS / Gly+AMS	1 oz+22 fl oz+1% / 22 fl oz+2.5%	V2/V4	29	91	77	17	95	95	99	99	99	99	
Sharpen+Outlook / Gly+AMS	3.6 fl oz+15 fl oz / 22 fl oz+2.5%	PRE/V4	94	99	97	85	99	98	99	99	99	99	
Acetochlor / Armezon+Atrazine+ MSO+AMS	1.75 pt / 0.75 fl oz+0.375 lb+1%+2.5%	PRE/V4	82	99	96	33	92	91	99	99	99	99	
Acetochlor / Capreno+Atrazine+AMS+MSO	1.75 pt / 3 fl oz+0.375 lb+2.5%+1%	PRE/V4	78	99	97	23	99	99	99	99	99	99	
LSD (0.05)			30	9	14	27	7	5	NS	NS	NS	NS	
CV			25	6	10	45	4	3	0	0	0	0	
^a Gly=Glyphosate													
^b Yeft=Yellow foxtail; Wibw=Wild buckwheat; Koch	h=Kochia; Colq=Common lambsquarters												