

Study Name: Weed control systems in Clearfield spring wheat

Study Number: 0631

Objectives: Evaluate crop tolerance and weed control with Beyond tank mixes in Clearfield spring wheat.

Results:

None of the treatments caused visible crop injury in the form of chlorosis or stunting. All treatments provided good to excellent control of wild buckwheat (Wibw), green foxtail (Grft), and flixweed (Flix), although weed density was very light. Dry soil conditions likely helped reduce weed growth as some of these treatments are not historically highly active on wild buckwheat. None of the treatments negatively impacted crop yield or test weight.

Treatment	Rate	Wheat		Wibw			Grft			Flix		Wheat		
		Jun 13	Aug 9	Jun 13	Jul 8	Aug 9	Jun 13	Jul 8	Aug 9	Jun 13	Aug 9	Yield	Test Wt.	
		% injury		-----% control-----									bu/A	lb/bu
Beyond + NIS + 28% N	4 fl oz + 0.25% + 2.5%	0	0	62	87	93	89	99	97	83	100	41.6	57.5	
Beyond + MCPA ester + NIS + 28% N	4 fl oz + 8 fl oz + 0.25% + 2.5%	0	0	69	92	95	90	99	96	85	100	39.3	57.0	
Beyond + MCPA ester + Bromoxynil (Buctril)	4 fl oz + 8 fl oz + 8 fl oz	0	0	88	100	98	90	99	95	80	100	39.1	57.3	
Beyond + MCPA ester + Starane	4 fl oz + 8 fl oz + 6 fl oz	0	0	74	91	98	89	99	97	82	100	41.8	57.2	
Beyond + MCPA ester + Widematch	4 fl oz + 8 fl oz + 8 fl oz	0	0	83	100	100	89	99	96	80	100	39.3	57.0	
Untreated check		0	0	0	0	0	0	0	0	0	0	38.5	56.8	
LSD (0.05)		NS	NS	5	5	8	2	1	3	6	NS	NS	NS	
CV		0	0	4	4	5	2	0	2	5	0	5.3	0.6	