

Weed control systems in Clearfield spring wheat (2006)

Clearfield wheat was seeded on May 8 at 90 lb/A into 7.5 inch rows. Herbicide treatments were applied June 1 with green foxtail at 2 inches tall with 0-2 plants/ft² and wild buckwheat at 3 inches tall with 0-2 plants/ft². Wheat was at the 3.5- to 4-leaf stage and 7 inches tall. Individual plots were 10 x 30 ft and replicated three times.

There was no visible crop injury in the form of chlorosis or stunting. All treatments effectively control green foxtail (Grft) and flixweed (Flix). Tank mixes including Buctril and WideMatch provided better early-season wild buckwheat (Wibw) control compared to other treatments. However, by July all treatments provided good to excellent wild buckwheat control. Dry conditions and canopy shading likely inhibited wild buckwheat recovery. There was no significant difference in wheat yield or test weight between herbicide treatments.

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		