

Study Name: Weed control in Clearfield spring wheat (0738)

Objectives: Evaluate Beyond tank mixes for grass and broadleaf weed control in Clearfield wheat.

Results:

'Gunner' Clearfield spring wheat was seeded May 10 at 88 lb/A into 7.5-inch rows in a conventionally tilled field. Herbicide treatments were applied postemergence on June 20 at the 5-leaf wheat stage. Wild buckwheat was 5-7 inches tall with 3-6 plants/ft²; redroot pigweed was 4-6 inches tall with 4-8 plants/ft²; and green foxtail was 6-8 inches tall with 10-15 plants/ft². Individual plots were 10 x 30 ft and replicated three times.

There was no visible crop injury with any herbicide treatment. Beyond alone or with MCPE or bromoxynil provided poor to fair wild buckwheat control. Adding WideMatch with Beyond provided excellent wild buckwheat control. All Beyond treatments provided excellent redroot pigweed and green foxtail control.

Treatment ^a	Rate	Wheat				Wibw ^b		Rrpw ^b		Grft ^b	
		% chlorosis		% control		% control		% control		% control	
		Jul 4	Aug 7	Jul 4	Aug 7	Jul 14	Aug 7	Jul 14	Aug 7	Jul 14	Aug 7
Beyond + NIS + UAN	4fl oz + 0.25% + 2.5%	0	0	0	0	55	45	83	100	85	94
Beyond + MCPE + NIS + UAN	4fl oz + 0.5pt + 0.25% + 2.5%	0	0	0	0	63	67	85	100	88	95
Beyond + MCPE + Bromoxynil	4fl oz + 0.5pt + 8fl oz	0	0	0	0	70	78	87	100	83	95
Beyond + MCPE + Starane	4fl oz + 0.5pt + 6fl oz	0	0	0	0	73	93	85	100	88	94
Beyond + MCPE + WideMatch	4fl oz + 0.5pt + 8fl oz	0	0	0	0	88	97	85	100	88	97
LSD (0.05)		0	0	0	0	10.4	19.5	3.2	0	4.9	3.6
CV		0	0	0	0	8	14	2	0	3	2

^a Treatments were applied at 5-leaf wheat stage.

^b Wibw = Wild Buckwheat; Rrpw = Redroot Pigweed; Grft = Green Foxtail.