

Study Name: Wild oat control in spring wheat with experimental herbicides (0725)

Objectives: Evaluate wild oat control with experimental herbicides compared to Puma

Results:

No crop injury was observed in any treatment. It is important to note that 1.25 inches of rain fell immediately after the treatments were applied. This may have contributed to the lower wild oat control ratings for all treatments (<80%). However, all treatments did provide good green foxtail and lambsquarters control. Test Compound 11, Test Compound 12, Huskie, and Affinity TM provided good to excellent pigweed control, while WideMatch + MCPA and Bronate provided only poor to fair redroot pigweed control.

Treatment ^a	Rate	Wioa ^b			Grft ^b			Colq ^b			Rrpw ^b		
		% control			% control			% control			% control		
		Jun 2	Jun 22	Aug 8	Jun 2	Jun 22	Aug 8	Jun 2	Jun 22	Aug 8	Jun 2	Jun 22	Aug 8
Untreated		0	0	0	0	0	0	0	0	0	0	0	0
Test Compound 11 + AMS	27.4fl oz + 0.5lb	95	92	79	98	95	100	100	99	98	100	91	97
Test Compound 12 + AMS	27.4fl oz + 0.5lb	95	89	80	99	94	100	100	100	100	100	92	97
Puma / Bronate	0.66pt / 0.71pt	95	91	79	99	95	100	0	100	100	0	78	77
Puma + Huskie + AMS	0.66pt + 11fl oz + 0.5lb	91	86	77	98	94	100	100	100	100	100	84	86
Puma + WideMatch + MCPA ester	0.66pt + 1pt + 0.5pt	93	86	76	98	95	100	86	100	100	65	68	57
Puma + WideMatch + Affinity TM	0.66pt + 0.75pt + 0.20oz	89	85	73	97	94	100	96	100	100	95	98	100
LSD (0.05)		3.2	4.1	6.4	0.9	2.3	0	2.9	0.9	1.8	3.3	16	20.8
CV		2.3	3	5.4	0.6	1.6	0	2.4	0.5	1.3	2.8	12.3	16

^a AMS= Dry AMS; Bronate= Bronate Advanced; Treatments were applied at 4-leaf wheat stage.

^b Wioa = Wild Oat; Grft = Green Foxtail; Colq = Common Lambsquarters; Rrpw = Redroot Pigweed