

Wild oat control with Everest applied early vs. late POST

'Steele' spring wheat was seeded May 9 at 90 lb/A into 7.5 inch rows. Herbicide treatments were applied postemergence on May 23 at the wheat 2-leaf stage and on June 12 at the 4-5 leaf stage. On May 23, wild oat was at the 2-leaf stage with approximately 6-10 plants/ft². On June 12, wild oat was at the 3-4 leaf stage with 1-8 plants/ft². Individual plots were 10 x 30 ft and replicated three times.

We observed minor injury, generally less than 10%, mostly visible as stunting. The July 3 height measurement showed wheat in the Everest 0.6 oz rate treatment being slightly shorter (~ 3 inches less) compared to the untreated and Puma treatments. Wheat in the 0.4 oz rate treatments were only about 1-2 inches shorter than the untreated and Puma.

Through most of June, the 0.6 oz rate visibly showed more wild oat activity than 0.4 oz. However, by July there was not much difference between rates. The early Puma treatment was rated lower mostly due to the later flush that was missed. The later Puma treatment took a while to control the larger wild oat and never really reached the level of control provided by Everest. There was no significant difference in wheat yield or test weight between treatments.

	Rate	Timing	Wheat			Wild Oat			Wheat	
			Jun 10	Jul 12	Aug 2	Jun 10	Jul 12	Aug 2	Height Jul 3	Yield
			---% injury---			--% control--			in.	bu/A
			0	0	0	0	0	0	26.7	35.8
te ^a	0.4 oz / 0.8 pt	2-lf / 4-5 lf	3	3	0	89	94	93	24.4	43.7
ie	0.6 oz / 0.8 pt	2-lf / 4-5 lf	6	4	0	95	95	96	23.8	42.3
ite	0.4 oz + 0.8 pt	2-lf	3	1	0	86	91	91	25.3	45.6
ite	0.6 oz + 0.8 pt	2-lf	7	4	0	96	94	94	23.2	46.4
e	0.67 pt + 0.8 pt	2-lf	0	0	0	78	78	77	26.6	44.7
e	0.67 pt + 0.8 pt	4-5 lf	0	1	0	0	75	85	26.2	44.4
			2	2	NS	5	7	6	2.3	NS
			40	58	0	4	6	4	5.2	11.5

^a All Bronate formulations used were Bronate Advanced.

^b All Everest treatments were applied with Quad 7 (1%).