

Application timing comparisons of Cimarron Max in pastures/rangeland (2003)

The object of the study was to evaluate spring versus summer/fall application timings of Cimarron MAX for Canada thistle control and grass response in pastures (introduced and native grass species) and rangeland.

This study was intended to compare spring vs fall applications, however, due to dry conditions in late summer, there was no green foliage on the Canada thistle plants and a fall treatment was not applied. Plots will be evaluated again 12 months after treatment for Canada thistle control, and grass and alfalfa injury.

Cimarron Max caused only slight grass injury by 3 weeks after treatment (WAT). Smooth brome appeared to be more sensitive than intermediate wheatgrass. Any grass injury had recovered by 7 WAT. Canada thistle control ranged from only 63% to 75% with the Cimarron Max treatments compared to 94% with Tordon + 2,4-D 3 WAT. However, by 7 WAT, all treatments provided excellent Canada thistle control, likely due to the dry, unfavorable growing conditions.

Table. Application timing comparisons of Cimarron Max in pastures/rangeland

Treatment	Rate	Timing	Grass		Alfalfa		Cath	
			Jul 17	Aug 11	Jul 17	Aug 11	Jul 17	Aug 11
			————-% injury ————				% control	
Cimarron Max (Ally + Range Star)	0.25 oz + 1 pt	Spring	3	0	89	99	63	94
Cimarron Max (Ally + Range Star)	0.5 oz + 1 pt	Spring	3	0	92	98	72	98
Cimarron Max (Ally + Range Star)	1 oz + 1 pt	Spring	3	0	93	99	75	98
Tordon + 2,4-D	1 pt + 1 qt	Spring	3	0	96	100	94	100
Untreated check			0	0	0	0	0	0
LSD (0.05)			NS	NS	4	2	12	4
CV			55	0	2	1	10	3

^aCOC was applied with Cimarron Max at 1% v/v.