

Yellow toadflax control with various herbicides and application timings (2006)

Herbicide treatments were applied to vegetative-stage yellow toadflax (12-18 inches tall) on July 6, 2005, late flowering toadflax on August 30, 2005 and in late fall on October 17, 2005. Individual plots were 10 x 30 ft and replicated three times. Yellow toadflax control and grass injury were rated June 27, 2006. The study was conducted just west of Burlington, ND in rangeland.

The objective of the study was to evaluate long-term yellow toadflax (Yetf) control with herbicides applied at the vegetative stage, flowering stage, and in the fall. Herbicides applied in the vegetative stage in July 2005 provided very poor yellow toadflax control. Of the herbicides applied in the late flowering stage in late August 2005, only treatments containing Tordon (2 pt/A) provided some control of yellow toadflax (45-49%). Tordon applied at 4 pt/A at the late flowering stage provided significantly better control (84%). In the fall application, again only Tordon at 2 pt/A provided any significant level of control (62-71%). Treatments containing Plateau or Ally + WeedMaster essentially showed no activity on yellow toadflax. Only Plateau applied in the fall showed significant injury to established perennial grasses.

			Grass	
	Rate	Timing	Jun 27 2006	
			% injury	
ine	2 pt + 1 qt	VEG	0	
8% N	8 oz + 1 qt + 1 qt	VEG	0	
2,4-D amine + MSO	2 pt + 4 oz + 1 qt + 1 qt	VEG	0	
+ COC	0.5 oz + 2 pt + 1%	VEG	0	
ine	2 pt + 1 qt	FLWR	0	
8% N	8 oz + 1 qt + 1 qt	FLWR	4	
2,4-D amine + MSO	2 pt + 4 oz + 1 qt + 1 qt	FLWR	0	
+ COC	0.5 oz + 2 pt + 1%	FLWR	0	
	4 pt	FLWR	3	
ine	2 pt + 1 qt	FALL	0	
8% N	8 oz + 1 qt + 1 qt	FALL	23	
2,4-D amine + MSO	2 pt + 4 oz + 1 qt + 1 qt	FALL	3	
+ COC	0.5 oz + 2 pt + 1%	FALL	0	
			0	
			3	
			86	