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Screening trial of herbicides for leafy spurge control

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A screening trial was established at Judith Gap, Montana to evaluate herbicides for leafy spurge control. Herbicides were applied May 28, 1981 when the spurge plants were in the pre-bloom stage. Herbicides were applied with a backpack sprayer using 19 gpa at 30 psi. Treatments were replicated three times in a randomized complete block. Leafy spurge control and grass injury were evaluated using visual ratings.

Trt. No.	Herbicide	Form	Rate lb/A	Rated on 9-22-82	
				% Spurge Control	% Grass Injury
1	KRENITE*	4 EC	2	1.7	13.3
2	KRENITE**	4 EC	4	1.7	11.7
3	KRENITE*	4 EC	4	1.7	13.3
4	KRENITE*	4 EC	6	5.8	20.0
5	R40244	2 EC	.5	.0	7.3
6	R40244	2 EC	1	.0	1.7
7	R40244	2 EC	2	.0	.0
8	TACKLE	2 AS	.5	.0	1.7
9	TACKLE	2 AS	1	.0	1.7
10	TACKLE	2 AS	2	.0	1.7
11	VISTAR + BASAGRAN	2 S + 4 EC	.125 + .5	.0	5.0
12	VISTAR + BASAGRAN	2 S + 4 EC	.25 + 1	.0	6.7
13	VISTAR + BASAGRAN	2 S + 4 EC	.5 + 2	.7	1.0
14	Check			.0	.0
			C.V. -	353.1	99.66
			LSD 5% -	4.52	10.03

After two growing seasons none of the compounds tested provided control of leafy spurge.