

CONTROL OF TUBER FLEA BEETLE IN POTATOES WITH SOIL APPLIED INSECTICIDES

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An experiment was instituted for control of Tuber Flea Beetle in potatoes at Scholls, Oregon. All granular treatments were applied infurrow at planting time on June 1, 1981 in a second year potato field. Plot size was two rows by twenty feet long, replicated four times. Plots were harvested October 16, 1981 by rating 35 tubers for flea beetle injury from each plot. Yield data was taken from forty feet of row. Adult beetle populations started feeding on the plants at emergence and reached an average of 72.6 beetles per twenty five sweeps on August 6, 1981.

<u>Treatments</u>	<u>Rate lb.</u>	<u>% Tubers graded</u>	<u>Avg. lbs./^{1/}</u>	<u>Adjusted lbs./plot</u>
	<u>a.i./acre</u>	<u>US #2 or better</u>	<u>plot US # 2</u>	<u>#2 or better to</u>
		<u>clean-slight injury</u>	<u>or better</u>	<u>include FB scars</u>
Monitor ^R 10 G	1.5	34	46.3	15.7
Monitor 10 G	3.0	33	42.2	13.9
Monitpr 10 G	6.0	66	46.7	30.8
Temik ^R 15 G	3.0	59	47.0	27.7
Furadan ^R 10 G	3.0	77	60.2	46.3
Check	-	14	39.5	5.5

^{1/} Does not included cullage due to flea beetle scarring.