

POTATO : Solanum tuberosum L. 'Russet Burbank'  
 Green peach aphid: Myzus persicae (Sulzer)

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GREEN PEACH APHID CONTROL WITH SOIL APPLIED SYSTEMIC INSECTICIDES, 1983:  
 Potatoes were planted May 10, in 36 in. rows. Treatments were applied to 4 row plots, 30 ft. long randomized in complete blocks with 4 replications. The systemic insecticides were applied at planting in the seed row, or sidedressed at plant emergence. Green Peach aphids were recorded from the center two rows by counting total number of aphids on 20 compound leaves.

Temik and Oncol significantly reduced aphid colonization while Furadan 10G, Furadan 15G and the three Lance treatments had little effect on green peach aphid populations.

Treatments and lbs ai/acre	Green Peach Aphid/ 20 Leaves		
	Aug 1	Aug 8	Aug 15
Furadan 10G SD** 3	.8ab***	2.0c	2.4ab
Furadan 15G SD 3	1.0bc	1.0bc	2.8ab
Lance 20G F 2	.8ab	2.2c	5.0c
Lance 20G F 4	1.0bc	1.6bc	3.4bc
Lance 20G SD 4	1.0bc	2.2c	3.0bc
Temik 15G F 3	0.0a	0.0a	.6a
Oncol 10G F 3	.2a	.8ab	2.4ab
Check	1.2c	1.8c	5.4c

\* In furrow at planting time

\*\* Sidedressed

\*\*\* Means followed by the same letter are not significantly different  
 (P = 0.05) DMRT