



**Research on winter grain mite control on wheat with foliar insecticides 1998.**

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**Pest:** Winter grain mite, *Penthaleus major*

**Crop:** Wheat, 2163

**Location:** Solomon, KS

**Application Date:** December 13, 1998

**Application:** Broadcast spray applied with hand sprayer with one nozzle delivering 25 gal water/acre at 30 psi directed at leaves of plants.

**Experimental Design:** RCB, 4 replications, plot 10 x 12 ft.

**Plant State at Time of Treatment:** 1-2" plants

**Evaluation Method:** Counted mites/ft. of row at six spots in each replication on Dec. 18

**Insecticides Applied**

Trt No.	Trt	Form	AI/Acre	Mites/Ft Row
1	Lannate	2.4	0.45	3.67 b
2	Lannate + Crop Oil	2.4	0.45	2.96 bcd
3	Ethyl Parathion	8EC	0.5	0.29 f
4	Ethyl Parathion	8EC	0.75	0.21 f
5	Warrior	1EC	0.015	0.96 ef
6	Warrior	1EC	0.03	0.50 ef
7	Baythroid*	2E	0.02	1.04 ef
8	Baythroid*	2E	0.04	0.67 ef
9	Ammo*	2.5	0.04	1.79 cde
10	Ammo*	2.5	0.07	1.33 ef

11	TD2344*	0.83	0.025	3.08 bc
12	TD2344*	0.83	0.04	0.54 ef
13	Capture*	2E	0.08	1.79 cde
14	Asana*	0.66	0.03	1.17 ef
15	Lorsban	4E	0.5	0.21 f
16	Pounce*	3.2	0.1	1.63 def
17	Disyston	8	0.5	0.25 f
18	Disyston	8	0.75	0.79 ef
19	Cygon	2E	0.33	0.83 ef
20	Untreated			9.25 a
*Compound not Currently Labeled on Wheat				

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Reference to specific products is provided solely for informational purposes. Experiments with pesticides on non-labeled crops or pests is part of the insecticide registration process, it does not imply endorsement or recommendation of non-labeled uses of pesticides by Kansas State University. All pesticide use must be consistent with current labels.

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