

PLANT DISEASE AND INSECT ADVISORY



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Oklahoma State University
127 Noble Research Center
Stillwater, OK 74078



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Latest Insecticide Prices and Current Status of Insects in Alfalfa

Phil Mulder, Extension Entomologist

Please find attached to this news release the latest insecticide price estimates obtained from Estes Chemical Company in Oklahoma City. This information is provided strictly as a guide to help in making insecticide choices in alfalfa. Prices will undoubtedly vary around the state, and rebates or special offers are not considered. Information related to residual control of organisms will also vary depending on environmental conditions, infestation levels and application.



The alfalfa weevil situation around the state has exceeded or will soon exceed threshold levels. If control of aphids is needed, and weevil populations are just now reaching threshold levels, then a tank mix with a longer residual compound in conjunction with either Lorsban or Pounce can provide excellent control of both organisms. Regarding lighter weevil populations, one application may suffice. If applications were made earlier for aphids only with a light rate of Lorsban, then carefully consider whether the added insecticide would be needed for subsequent applications. Many of the newer synthetic

pyrethroids (Warrior or Proaxis) should control aphid populations that are moderate in numbers. If you have not seen Proaxis before that is because it is relatively new to the market. It was labeled last year but supplies and distribution were limited. It has looked very effective in our trials over the last three years and actually has less active ingredient per gallon of concentrate than Warrior, which is closely related.

As indicated in the table, the price of synthetic pyrethroids has not changed dramatically, with the exception of the permethrin products. The marketing of more products of this nature was supposedly going to drive down the cost. Unfortunately, this does not seem to be the case. From an efficacy standpoint, many of the newer pyrethroids (Listed in previous paragraph) are very similar in their control of weevil and aphid populations in alfalfa. Therefore, growers should be encouraged to make their choices between these compounds based on cost of active ingredient per acre.

INSECTICIDES FOR WEEVIL AND APHIDS IN ALFALFA

| Insecticide | '05 Retail Cost Per/Gallon | Rate(s)/A* | 2005 \$/A** | Residual Effect-Weevil | Residual Effect-Aphids | Waiting Period to Harvest | Signal Word (Human Tox) |
|------------------------------|----------------------------|-------------------------------------|---------------|------------------------|------------------------|---------------------------------------|-------------------------|
| Lorsban 4E | 37.00 ^a | 1 pt - 1 qt (½ - 1 lb AI) | 4.62 - 9.25 | Short - Moderate | Moderate - Long | 7 - 21 | Warning |
| Furadan 4F | 83.00 ^a | 1 pt - 1 qt (½ - 1 lb AI) | 10.37 - 20.75 | Moderate - Long | Moderate | 14 - 28 | Danger |
| M-Parathion 4E | 35.72 ^c | ½ - 1 pt (¼ - ½ lb AI) | 2.23 - 4.46 | Short | Short - Moderate | 15 | Danger |
| Dimethoate | 37.80 ^a | 1 pt (½ lb AI) | 4.72 | Not recommended | Short - Moderate | 10 | Warning |
| Methomyl-Lannate 2.4 | 55.50 ^a | 1 ½ - 3 pts (0.45-0.90 lb AI) | 10.40 - 20.81 | Moderate | Not recommended | 0 | Danger |
| Malathion 5E | 30.20 ^a | 1 ½ - 2.0 pt (1 - 1 ¼ lb AI) | 5.66 - 7.55 | Short - Moderate | Short - Moderate | 0 | Warning |
| <u>Sevin Products</u> | | | | | | | |
| 80S | 6.29/lb | 1 ½ lb (1 ½ lb AI) | 9.43 | Short | Not Recommended | 7 | Warning |
| XLR Plus | 37.60 ^a | 1 - 1 ½ qts (1 - 1 ½ lb AI) | 9.40 - 14.10 | Short | Not Recommended | 7 | Caution |
| <u>Synthetic Pyrethroids</u> | | | | | | | |
| Baythroid 2E | 385.00 ^d | 1.6 - 2.8 oz (0.025 - 0.044 AI) | 4.81 - 8.42 | Long | Moderate | 7 | Danger |
| Warrior IEC | 292.50 ^d | 1.92 - 3.84 oz (0.015 - 0.030AI) | 4.39 - 8.77 | Long | Moderate | 7 | Warning |
| Permethrin 3.2 EC | 107.10 ^d | 2 - 8 oz (0.05 - 0.20 AI) | 1.67 - 6.69 | Short | Moderate | ≤.10 lb = 0 days >.10 lb = 14 days | Caution |
| Mustang - Max 0.8 EC | 213.20 ^d | 2.24 - 4.0 oz (0.014 - 0.025 AI) | 3.73 - 6.66 | Long | Moderate-Long | 3 | Warning |
| Proaxis | 270.25 ^d | 1.92 - 3.84 oz (0.0075-0.015 AI) | 4.05 - 8.11 | Long | Moderate-Long | 1 / 7 ^f | Caution |

*Lower rates for aphid control and higher rates for weevils; Lower rates are not recommended for effective weevil control

**Depicts Retail Cost (Dealer Price + 10 % markup); Does not include application costs.

^aPrice indicated reflects purchase of 2 ½ gal. container.

^bPrice indicated reflects purchase of 55-gal. container.

^cPrice indicated reflects purchase of 15 gal.-keg.

^dPrice indicated reflects purchase of 1-gal. container.

^eAerial application only.

^fProaxis preharvest interval; 1 day for forage, 7 days for hay.

Caution=Slightly Toxic
Warning=Moderately Toxic
Danger = Highly Toxic

Dr. Richard Grantham
Director, Plant Disease and Insect Diagnostic Laboratory

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