CODLING MOTH CONTROL

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Two studies were initiated in 1979 comparing Dimilin®, Supracide® and Zolone® to a Guthion standard for codling moth, walnut aphid and mite control. Treatments were applied at: 1) the peak emergence of the overwintering brood (April 23) in test #1 and 2) during 1st brood adult emergence (June 20) in test #2.

Test #1

Codling Moth

Codling moth control was evaluated by comparing the number of infested nuts per tree on the ground in June. The number of infested nuts per tree in the chemical treatments were significantly lower than in the untreated control trees. No significant difference occurred between the chemical treatments.

Walnut Aphid

Walnut aphid populations were monitored weekly. Aphid populations in the Guthion treatments were significantly higher than in the untreated controls. Aphid populations in the Guthion and Dimilin® treatments both surpassed the established economic level of 15 aphids/leaflet.

Mites

Spider mite and phytoseiid predator mite populations were monitored. These data are still being analyzed.

Test #2

Treatments for test #2 were applied in a different orchard. Codling moth populations were insignificant and no significant difference in control occurred between the treatments.