

Nuts—Chemical Control

Peach Twig Borer in Almond

J. Dibble and S. Haire  
University of California, Kearney Agricultural Center, Parlier, CA

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PTB control evaluations were made in the spring to determine the results of dormant applications applied to two varieties of almonds. The loss of parathion along with a few recent reports of poor control encouraged these trials with certain material and rate variations.

Applications, all combined with Orchesthion 796 superior oil, showed the standard Diazinon in the nonpareil variety to give approximately 90% control regardless of spray gallonage—50, 100, 200 or 400 gpa. Lorsban gave equivalent results to Diazinon, whereas Dibrom was similar only at the high rate. Sevin gave 70 and 82% control when comparing low volume (50 gpa) vs. high volume (400 gpa) sprays. Imidan in strongly buffered water (5.8 to 6.2 pH) gave the best results at 97% control. Evaluations of shoot strikes were made in May by counting the number observed in 10 seconds at each tree quadrant.

The Neplus variety showed Dibrom to give 100% control at the high rate. Lorsban, Imidan and three of the Diazinon treatments gave approximately 80 to 90% control. The 400 gpa rate of Diazinon plus the two Sevin applications resulted in the poorest control.

**Table 1.** Peach twig borer in almond, 1992, dormant control.

| Treatment<br>(all + oil) | Form. | Rate/acre | GPA | Average no. strikes/tree<br>(May counts) |        |
|--------------------------|-------|-----------|-----|--|--------|
|                          |       |           |     | Nonpareil                                | Neplus |
| Sevin                    | 80S   | 6 lb      | 50  | 10.2b                                    | 4.7b   |
| Sevin                    | 80S   | 6 lb      | 400 | 6.2bc                                    | 5.8ab  |
| Diazinon                 | 50W   | 4 lb      | 50  | 3.3c                                     | 2.5c   |
| Diazinon                 | 50W   | 4 lb      | 100 | 4.0c                                     | 2.5c   |
| Diazinon                 | 50W   | 4 lb      | 200 | 3.5c                                     | 1.3cd  |
| Diazinon                 | 50W   | 4 lb      | 400 | 4.3c                                     | 6.0ab  |
| Dibrom                   | 2E    | 2 pt      | 100 | 8.2b                                     | 1.7cd  |
| Dibrom                   | 2E    | 2.5 pt    | 100 | 8.3b                                     | 3.8bc  |
| Dibrom                   | 2E    | 3 pt      | 100 | 4.7c                                     | 0.0d   |
| Imidan                   | 50W   | 4 lb      | 100 | 1.0d                                     | 2.5c   |
| Lorsban                  | 4EC   | 2 pt      | 100 | 4.2c                                     | 2.5c   |
| Check                    | --    | --        | --  | 34.0a                                    | 11.5a  |