

Chemical Control/New Products

Esteem and Lorsban for Control of Obliquebanded Leafroller on Cherries

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Esteem 2.9EC (Valent) and Lorsban 4EC (DowElanco) were evaluated for control of obliquebanded leafroller (*Choristoneura rosaceana*) (OBLR) when applied to cherries (*Prunus*).

The test was conducted in a 3-year-old commercial orchard of Bing cherry planted on a 6.5 x 15 ft spacing located near Milton-Freewater, OR. Plot size was 0.15 acre (4 rows by 15 trees). One plot was not treated and served as the untreated check. One plot was treated with Esteem (4 oz/acre) at delayed dormant on 16 March with a second application 14 days later on 30 March, one plot was treated with Esteem (5 oz/acre) at delayed dormant on 16 March with a second application 14 days later on 30 March and one plot was treated with Lorsban (4 pt/acre) at delayed dormant on 16 March. Spray applications were done with a Rears (Eugene, OR) Pak-Blast air-blast sprayer using 50 gallons of water per acre.

On April 16 the number of obliquebanded leafroller larvae was recorded on ten shoot tips on 20 randomly selected trees in each plot. Most of the larvae were in the 3rd instar.

Results

No phytotoxicity was observed. The results are given in Table 1.

Conclusion

Esteem (4 oz/acre) gave fair control of obliquebanded leafroller. Esteem (5 oz/acre) gave good control of obliquebanded leafroller. The higher rate of Esteem gave better control than the lower rate. Lorsban (4 pt/acre) gave good control of obliquebanded leafroller.

Table 1. The number of obliquebanded leafroller larvae found in 20 trees on 16 April and the percent control, Milton-Freewater, OR, 1998.

Treatment	Rate/acre	No. obliquebanded larvae/20 trees	Percent control
Esteem 2.9EC	4 oz	18b	40
Esteem 2.9EC	5 oz	7a	77
Lorsban 4EC	4 pt	1a	97
Untreated check	--	30c	--

Means within a column followed by the same letter are not significantly different at the P = 0.05 level, LSD (Least Significant Differences by Student's *t*).