

Recommended Timing for Codling Moth Cover Sprays – 2011

The following recommendations are prepared to guide growers on the need for and timing of codling moth cover sprays throughout the area-wide program area. Each grower should check the neighbourhood map they received from the SIR for the 2010 trap counts to determine which blocks had any traps that captured more than 8 moths in 2010. The total trap count is listed beside each trap number (underlined number in a coloured spot).

Timing of first cover spray

1. A first cover spray must be applied when codling moth become active (after 100 degree days) to blocks in which any trap had a total of 8 or more moths captured in 2010.
2. The first cover spray need only be applied to blocks in which all traps each captured less than 7 moths during 2010 when the recommended action threshold is reached (see recommended action thresholds below).
3. Additional cover sprays should be applied whenever the action threshold is reached.

In order to determine if any block or orchard has reached the recommended action thresholds below, growers should check the weekly trap counts recorded on each trap bottom or visit the SIR web site (Trap counts). Growers can also ask for a drop-off sheet or email notification of trap counts from the SIR office.

Action thresholds

1. Zone 1 – sterile insect release

2 wild moths/trap/week/block for 2 consecutive weeks.

2. Zones 2 and 3 – mating disruption

A running (cumulative) total of 5 moths/trap/block during the first generation. That is, when the total wild moths captured per trap averages 5, a cover spray should be applied to the block. The running total is reset to zero after 5 moths are captured. A cover spray should be applied when the running total reaches 5 again.

For the second generation, the action threshold is a total of 2 moths/trap/block.