Method to Assess for Codling Moth Activity and Population

Assess 100 randomly selected apples for Codling moth damage: percent damaged fruits ➔ Differentiate between deep and superficial damage

Repeat up to 10 times, covering the entire orchard: for increased assessment accuracy

Mid-season damage: expected 2nd generation pressure ➔ treatment planning

Pre-harvest damage: expected next season initial population ➔ treatment planning:
- <1% damaged fruits: Mating Disruption with supporting Virus sprays sufficient to control population.
- >1% damaged fruits: Virus application necessary (preferably in combination with Mating Disruption) to bring down population.

Optimum application for Madex Top is at the beginning of 1st generation and followed with sequential virus applications. Late season applications at 2nd generation can provide population control and serve to introduce the codling moth virus into the orchard. A percentage of the population will become infected and overwinter while hosting the infection. Less overwintering individuals will survive, resulting in a smaller population next spring. Following a late season application of Madex Top the introduction of a control program with Madex Top in the following spring will control the codling moth population and reduce damage to the apple crop.

ADVANTAGES OF INTEGRATING MADEX TOP

✔ Damage and Population control
✔ Residue free
✔ Minimal PHI, REI
✔ Bee-friendly and non-toxic
✔ Harmless to beneficial insects
✔ Unique mode of action important for Resistance management

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