

Chemical Control/New Products

CONTROL OF *CAMPYLOMMA VERBASCI* WITH REGISTERED AND UNREGISTERED PESTICIDES

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Abstract: The efficacy of early season application of several newer chloronicotinyl insecticides on *Campylomma verbasci* was tested in a mixed cultivar apple block. Five-tree replicates were sprayed with test materials at pink, bloom, or petal fall timing using an airblast sprayer calibrated to deliver 200 gallons per acre. Bloom and pre-bloom application of Actara and Carzol were very effective in reducing in season nymph populations and fruit damage. The other chloronicotinyls, Calypso and Assail, are also quite active against *Campylomma* nymphs when applied early, and the fruit damage was not statistically different than Actara/Carzol. Avaunt, Raynox and Surround did not prevent fruit damage, nor was there any significant activity against nymphs. This test also confirms that timing is key: Carzol, although very toxic to nymphs, will not prevent fruit damage when applied at petal fall.