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Chemical Control/New Products

True bug control with neonicotinoids on sweet cheery

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**Abstract:** A trial was conducted in Stockton, CA, to evaluate the efficacy of three neonicotinoid insecticides (Provado, Actara and V-10112) for the control of mountain leafhopper (ML). ML were caged on cherry foliage at 0, 3, 7, 14 and 21 days after treatment (DAT), and mortality was assessed at 1/2, 1 and 2 days of exposure (DOE). At 1/2 DOE, Asana, the grower standard, provided significantly greater ML mortality compared to all other treatments through 21 DAT except Actara at 21 DAT. At 1 DOE Asana provided significantly greater ML mortality compared to all other treatments through 21 DAT except Actara at 0 and 21 DAT. Asana provided superior ML mortality compared to all of the neonicotinoid insecticides, while Actara provided consistently greater ML mortality than Provado or V-10112. Based on this and past years' research, Actara would be the most effective neonicotinoid replacement for Asana, Sevin, Diazinon or Guthion.