

Chemical Control/New Products

Control of grape mealybug on pear: An investigation of rates and timings

John E. Dunley and Bruce M. Greenfield

Washington State University, Tree Fruit Research and Extension Center, Wenatchee, WA

Abstract: This test examined several timings and rates of four chloronicotinyl compounds for control of grape mealybug. These compounds were used in combinations of clusterbud (first-generation GMB) plus mid-summer (second generation GMB) applications and Petal fall plus mid-summer applications. This was a single-tree, RCB design with four replicates. Sampling consisted of counting GMB crawlers/spur until 8 May, when we converted to doing timed counts of foliage as # of GMB seen /min. The Petal fall plus summer applications appeared to be more effective on GMB populations in the upper canopy than clusterbud applications. In the lower canopy all compounds tested provided similar control late in the season.