

**C. Cherry (Sweet): *Prunus avium* Powdery mildew: *Podosphaera clandestina*
G. G. Grove, R.J. Boal, and L.H. Bennett, Washington State University**

Control of powdery mildew on Sweet Cherry nursery stock, 1999: Fungicide sprays for powdery mildew control at VanWell Nurseries, Quincy, WA, were applied to 'Bing' cherry trees. Sprays were applied to runoff with a Solo Backpack sprayer operating at about 30 psi. Individual plots were 5-6 feet in length and contained at least ten trees and each treatment was replicated four times in a randomized complete block design. Each treatment was applied four times at 14 day intervals.

Foliar mildew severity was determined by randomly selecting 5 terminal shoots from each plot and picking five leaves from each terminal, starting with the last fully open leaf and working down the shoot for a total of 25 leaves per plot. The percentage of the surface area of the underside of each leaf infected by mildew was estimated and recorded. Data were subjected to analysis of variance and means separated according to Student-Newman-Keuls Test at $P=0.05$.

Percent of leaf area of controls infected with mildew was 18.7% and 49.2 % at first and second ratings respectively. Percent of leaf area of CG-3 treated plants infected with mildew was 10.5% and 25.3% at first and second ratings respectively.

GC-3 On Cherry (Sweet) 1999

