

**A. Apple: *Malus domestica* ('Rome') Powdery mildew: *Podosphaera leucotricha*
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Control of powdery mildew on 'Rome' apples at Wenatchee, 1999: Fungicide sprays for powdery mildew control at the Tree Fruit Research and Extension Center, Wenatchee, WA, were applied to 48-year old Rome apple trees. Sprays were applied to runoff with a handgun sprayer operating at about 400 psi. Treatments consisted of 5 single-tree replications arranged in a randomized complete block design. Tight cluster, pink, petal fall, first cover, and second covers sprays were made.

Results: Foliar mildew incidence ratings were taken by selecting 100 terminal shoots on each tree and determining the percent of terminals infected. Mildew incidence data were subjected to analysis of variance and means separated according to Student-Newman-Keuls Test at $P=0.05$. Foliar mildew incidence at the first and second ratings was 97.8% and 100.0% on the untreated control, respectively. Foliar mildew incidence at the first and second ratings was 44.0% and 87.3% on the GC-3 treated trees, respectively. Fruit Russett was 31.5% on the untreated control and 6.8% on the GC-3 treated trees. There was no observable phytotoxicity.

GC-3 on Apple 1999

