

Section 1
Mites and Sap-Sucking Insects

THRIPS AND MEALYBUGS ON WINE GRAPES
W. W. Cone, M. M. Conant and L. C. Wright
WSU-IAREC, Box 30, Prosser, WA 99350

Thrips (Frankliniella occidentalis) and mealybug (Pseudococcus maritimus) problems are increasing as vineyards age. Ten cvs. surveyed (3 reps) were uniformly infested with mealybugs but we found a significant difference ($P=0.05$) in thrips abundance. Meunier cv. had fewest thrips (6.3/24 clusters) followed by Gamay Beaujolais (7.8), Cabernet Sauvignon (8.8) and Pinot Noir (9.5). Chardonnay and White Riesling had 23.5 and 22.2/24 clusters. Pitfall traps placed in the soil are being tested (late fall and early spring) as a new technique for detecting cutworms. Release of parasitic nematodes in 1984 and 1985 appear to have reduced cutworm numbers in a problem vineyard in 1986 and 1987.