

MITE AND APHID CONTROL ON HOPS
W. W. Cone and R. Sites
Irrigated Agriculture Research and Extension Center
Washington State University
Prosser, WA 99350

Results will be presented in three areas: foliar sprays, soil incorporated granular systemics and movement of ^{14}C labeled aldicarb in hop plants.

The following foliar sprays were applied June 28, July 20 and August 9 and compared with an untreated check in plots replicated four times. Rates are lbs AI/A. Vydate 1.0, 2.0 and 4.0, MK 936 (Avermectin) 0.01 + Pirimor 1.0 and MK 936 0.4 + Pencap M 2.0, Carzol 1.0 + Plictran 0.5 + Phosphamidon 1.0, Carzol 1.0 + SN575 3.0 + Pencap M 4.0, Carzol 1.0 + SN575 5.0 + Pirimor 0.5, Carzol 1.0 + Diazinon 1.0, and FMC 54800 0.5.

Granular systemics tested were terbofos 8 and 12 lbs, phorate 3 and 6 lbs, disulfoton 4 and 8 lbs, oxamyl 8 and 12 lbs, aldicarb 4 and 8 lbs.

Studies with radioactive aldicarb showed uptake began 48-60 hours after treatment. Maximum accumulation was in leaves (basal and apical) with very little found in stems and roots.