

## Chemical Control/New Products

Control of San Jose scale with different application timings of Esteem (pyriproxifen)

Allison T. Walston, Deborah J. Brooks and Helmut Riedl  
Oregon State University, Mid-Columbia Ag. Research & Ext. Center, Hood River, OR

*Keywords:* Esteem, pyriproxifen, San Jose scale

*Abstract:* Esteem (pyriproxifen) with and without HMO (horticultural mineral oil) was evaluated at different application timings for control of San Jose scale and compared to delayed-dormant applications of Lorsban (chlorpyrifos) and Supracide (methidathion). The application timings evaluated were delayed dormant (green tip), pink, petal fall, 100 degree days (DD) from codling moth Biofix, and first emergence of San Jose scale crawlers. Fruit evaluation of Red Delicious apples indicated that all treatments provided commercial control of San Jose scale compared to the untreated check. The treatment 100 DD after codling moth Biofix and the summer treatment of Esteem allowed some survival of San Jose scale crawlers compared to the other chemical treatments. In summary, delayed-dormant and bloom timings of Esteem resulted in season-long control of San Jose scale while applications in late May to early June (beginning of crawler emergence) were less effective.