

Progress Report for 1999-2000 (termination report)

**Title:** Epidemiology of apple scab (13C-3661-6796)

**Principal Investigators:** Gary Grove, WSU-IAREC, Prosser, WA

**Co-investigators:**

**Tim Smith, WSU Cooperative Extension, Chelan County**

**Funding history:** 1999 (4,000)  
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This short-term project commenced in Spring, 1999 and the results of that year have been reported previously. Two of the three test orchards identified at the beginning of the project were removed in Spring 2000. A spore trap and weather station was placed in the remaining test orchard immediately prior to bud burst. The spore trap was operated continuously throughout the growing season. Trapping tapes were removed at weekly intervals, cut into 24 mm segments (each corresponding to a 24 hour period), and examined microscopically for the presence of ascospores and conidia of *Venturia inaequalis*. Foliage and fruit were periodically examined for apple scab lesions.

Apple scab was not observed in the test orchard during the 2000 growing season. Despite repeated sampling and examination, ascospores and conidia of *V. inaequalis* were not detected in the orchard air.

Because of the sporadic nature of scab in Central Washington, the principal investigator recommends that the funding of this project by the Washington Tree Fruit Research Commission be terminated. The spore trapping portions of the study will be continued using other (minor) sources of funds.

The unanswered questions about apple scab in Eastern Washington could be best addressed by a large-scale project in the Tonasket and Oroville areas where scab is more prevalent.