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CSUF VERC

California Agricultural Technology Institute (CATI)

Interim Report.

Feb. 1, 1999

Project Title: Protecting California Vineyards from Grapevine Yellows Disease

Principal Investigator: James P. Prince

*James P. Prince*

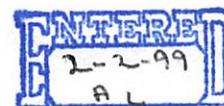
Major Objectives: The major objective has been changed from looking for grapevine yellows in California vineyards using PCR to setting up a molecular marker laboratory at VERC.

Experiments underway or completed to accomplish objectives: Laboratory set-up is practically complete, with almost all items of equipment in place and supplies either in place or on order. Two items arrived somewhat damaged (refrigerator door and piece of plexiglass for sterile hood), but these are being taken care of. Two main lab projects are or will utilize the space in the near future: (1) the collaborative work between us (Chris Lake, Keith Striegler, and me) and the Gallo Biotechnology Group on detection of *Eutypa* in the field, and (2) a project on DNA fingerprinting of grapevine cultivars (grad. student Tracy Affonso). I have also been approached by a student of Dr. Fugelsang's, Patrick Sullivan, to arrange his possibly working in the lab on DNA typing of *Brettanomyces*.

Significant results and accomplishments to date: Our most significant accomplishment is the actual set-up of the working molecular marker laboratory at VERC. I also hired a 1/2-time technician, Tony Martinez, who has been instrumental in lab set-up. Almost all of the wood samples have been processed for the *Eutypa* project, and the PCR portion of that project should begin by next week. The DNA fingerprinting project has just gotten underway, and preliminary successful amplifications of the target DNA have been accomplished. Dissemination has been done through a poster at Grape Day 1998 and an article in the winter '98-99 *CATI Update*.

Funding status (external): No external funding has been obtained, yet. Proposals for DNA fingerprinting in grapevine using PCR have just been submitted to the American Vineyard Foundation, the Viticulture Consortium and the California Competitive Grant Program for Viticulture and Enology.

Budget status to date: I have spent a total of \$18,194.02 out of the award of \$33,000, or 55.1% of my total budget, as of 12/31/98.



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REPORT

1950

1950

1. The purpose of this report is to provide a summary of the work done during the year 1950.

2. The work was done in the following areas:

3. The results of the work are as follows:

4. The work was done in the following areas:

5. The results of the work are as follows:

6. The work was done in the following areas:

7. The results of the work are as follows:



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