
UCCE Pomology-Almond Board Farm Advisor Internship

Project No.: 13-RESEARCH2-Niederholzer

Project Leader: Franz Niederholzer
UCCE Farm Advisor - Colusa and Sutter/Yuba Counties
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Project Cooperators and Personnel:

Brent Holtz, UCCE Farm Advisor/County Director - San Joaquin
County

Objectives:

With Almond Board of California support, hire a Junior Specialist I with graduate school experience and an expressed interest in a career with Cooperative Extension as a farm advisor to work with project leader Franz Niederholzer and cooperator Brent Holtz on a range of Almond Board-funded topics/projects. These include, but are not limited to:

- Ground speed and spray coverage for efficient orchard spraying
- Nickels research projects:
 - Fall almond N application
 - Almond rootstock trial
 - Organic almond demonstration
 - Pruning trial
 - Pollinizer comparison for Nonpareil

In addition, the intern will be engaged with UCCE outreach and extension activities under the guidance of project leader Franz Niederholzer and cooperator Brent Holtz.

Interpretive Summary:

Luke Milliron, (UC Davis MS in Horticulture and Agronomy, 2015) was hired in 2015. He worked 50% time until his course work was completed in June, and then shifted to 100% time. Luke has provided excellent support in the field and lab, while contributing to newsletters and presenting at grower meetings.

Luke Milliron has made several contributions to Almond Board-funded topics and projects. Research efforts at Nickels Soil Laboratory have included new research on San Jose scale control and mapping Navel Orangeworm damage, as well as assisting with the 2015 harvest and experimental design of the 2016 almond planting. In the San Joaquin Valley, Milliron has also supported several Almond Board-funded projects; including helping setup an organic

amendment trial with Daniel Schellenberg and measuring water status with the pressure chamber in Roger Duncan's almond rootstock trial.

In his outreach efforts, Luke Milliron has assisted Franz Niederholzer, Brent Holtz and Roger Duncan on grower farm calls, specifically providing advice concerning tree water status. Milliron has also contributed several articles to the Sacramento Valley Almond Newsletter, including season specific grower checklists. Milliron has given talks at Nickels Soil Laboratory field days and he will be speaking at grower meetings in Sutter-Yuba Counties this upcoming winter.