

2013-2014 Internship Support Report to the California Wheat Commission

Calibrating In-field Diagnostic Tools to Improve Nitrogen Management for High Yield and High Protein Wheat in the Sacramento Valley

PI: Mark Lundy, UC Cooperative Extension Agronomy Advisor

Summary:

The California Wheat Commission provided funding for a student intern interested in a career in agricultural extension to assist Mark Lundy (UCCE Advisor, Colusa-Sutter-Yuba) in field-based experimentation seeking to develop N fertilization strategies that optimize productivity outcomes in spring wheat. The internship was part-time (< 25% time) throughout the Winter and Spring 2014 academic quarters. Duties included:

- plant and soil sampling and measurement at key phenological stages
- deploying and calibrating in-field tools
- designing, testing and modifying in-field sampling protocols that maximize the amount of useful biophysical information given the constraints of the field setting
- processing plant and soil samples for laboratory analysis

Jason Tschlis and Ryan Byrnes, masters students in the International Agricultural Development graduate group, participated as interns. Their assistance cost \$5916 for the period of January - June 2014. Half of this total was paid for by CDFA-FREP funding, leaving a balance of \$2042, which will be used to support intern(s) in the 2014-15 season, with the California Wheat Commission's agreement.

Budget for 2013-14 California Wheat Commission Internship Funding			
Title: California Wheat Commission Student Mentorship			
PI: Mark Lundy			
Category	Projected (\$)	Actual (\$)	Description/Notes
Salary	5000	2958	hourly wage for Student Assistant <i>wage for student interns was split between California Wheat Commission and CDFA FREP funding. \$5916 total/2=\$2958</i>
	Total	2958	
	Funds Remaining	2042	