

DONALD STEWART

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Work Address:
University of California
Agricultural & Resource Economics Dept.
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Experience

Agricultural Economic Crop Analyst, (November 2014-Present)
Agricultural Resource Economics Dept. Ag Issues Center, University of California, Davis.
Supervisor; Dan Sumner, Director, Ag Issues Center.

Field Research Director, IR-4 Field Research Center, (April 2007-November-2014)
Department of Plant & Environmental Sciences. University of California, Davis.
Supervisor; Tom Lanini, Ret. UCCE Specialist, Weed Ecologist.

Staff Research Associate, Regional Cereal Grains Project (September 2001-April 2007)
University of California, Cooperative Extension, Davis CA.
Supervisor; Lee Jackson, Ret. UCCE Specialist, Small Cereal Grains.

Agricultural Biologist, (August 1999-September 2001)
Solano County Agriculture Department, Fairfield, CA.
Supervisor; Dave Singh, Ret. Assistant Agricultural Commissioner, Deputy Sealer.

Crop Production Manager (February 1992-September 1998)
Sustainable Farming Systems Project, (SAFS) University of California, Davis, CA.
Supervisor; Steve Temple, Ret. Project Coordinator, Principle Investigator.

Education

California State University, Chico.
Bachelor of Science, Agricultural Science 1991.
Special Education; Beginning German, conversational Spanish and greenhouse Mgmt.
Student Projects; beans, corn, cotton, safflower, sweet sorghum, sunflowers, vine seed, wheat and assisted with student garden.

Special Skills

Computer Literacy; IBM, Microsoft office/windows, Access, Budget Planner, Excel,
Word, Email/Facebook/Twitter literate.

Qualified Applicators License; #QAL 100321. California Department of Pesticide Regulation.

California driver's license; Class C.

GLP, (Good Laboratory Practice) Training; 4/07, 11/07, 11/08.

Certified through UCCE train the trainer pesticide use program.

Military

United States Army, Trained as Forward Observer and Tacfire Computer operator.
Active Duty: February 1985-February 1987, Army Reserve Duty: February 1987-January 1993.
3rd Armored Division, HHB Divarty Commander's Driver and S3-Operations support
Hanau, West Germany.

Affiliations

Supporting member of California & World Sustainable Agriculture.
Wallace Institute for Sustainable Agriculture.
Blue Max Kart Club, Technical Director. KPX Kart Project, Assistant Technical Director.
Delta Peggers, cribbage club.

DONALD STEWART
Curriculum Vitae

Current Position:

As an Economic Crop Analyst, I update the Economic Crop Studies on agricultural crops grown throughout the State. The studies provide information on the expected costs, yields, revenue, and net returns on a per acre basis for a specific commodity and a given county or region of California based on a specific hypothetical, well-managed farm enterprise. The studies include multiple tables and a narrative explaining the assumptions and management practices. I use various computer programs to complete these reports such as Budget Planner and Excel. I contact and work with UCCE Farm Advisors, farmers, equipment and chemical companies, local cooperators and Ag lenders and appraisers to obtain data to update these cost studies. The crop studies are available on the UC Agricultural Resource Economics Dept. website, <http://coststudies.ucdavis.edu/current.php>.

Previous Experience:

IR-4 Project Field Research Director, Field Research Center at University of California, Davis. I conducted field trials for pesticide residue testing according to USDA EPA guidelines, Agriculture and Agri-Food Canada (AAFC), GLP compliance (Good Laboratory Practice), IR-4 protocols and UCD SOP's (Standard Operating Procedures). I was in charge of the budgets and all aspects of setting up and managing all projects. I conducted 20-25 trials annually on different crops in various locations throughout the North State. Trials varied in size and scope of chemical applications to foliage & soil, orchard and vineyard air-blast applications. I have conducted trials in cold storage and agricultural product processing. I also conducted Ornamental Horticultural crop safety and pesticide efficacy trials under IR-4 Guidelines. I was tasked with IR-4's first Public Health trial for mosquito control. The IR-4 Field Center was inspected by EPA on 2 occasions with no violations.

I conducted field tours explaining GLP requirements and field trial setup for visitors from within the USA and Japan. I assisted with Plant Science courses that have labs in the field that relate to pesticides and pest control. I trained co-workers and assisted with technical planning and administrative functions to meet the Western Regional Field Director and Quality Assurance Unit needs'.

The Regional Cereal Grains Project was mainly yield comparison variety trials, (barley, oats, triticale and wheat) with approximately 60 projects in 15 locations throughout the state totaling approximately 5000 research plots. At the Davis campus site we had 5-7 acres which included barley and wheat disease screening nurseries. These nurseries contained 2500 to 3500 varieties per nursery, under evaluation from various Private and University Plant Breeders within the USA and other Countries.

As a Staff Research Associate for the Regional Cereal Grains Project I was responsible for contacting and scheduling all aspects of on-farm projects with the growers and research station managers from seed bed preparation, planting, pesticide & fertilizer applications, irrigation and harvesting. I was responsible for operation and maintenance on the planter, pesticide & fertilizer applicators and harvester. I generate the plot maps, labels for harvest bags, data entry and statistical analysis for all projects. I assist with in-field crop evaluation and processing of sub-samples in the field lab. I was also in charge of the current varieties' inventory. We continuously archived samples for long term storage.

Crop Production Manager of the Sustainable Farming Systems Project: This project was a comparison study of conventional, reduced input and organic farming systems typical to the Sacramento Valley. The crops included field corn, oats/vetch/peas, safflower, processing tomatoes and wheat/bean double crop. We planted various summer and winter cover crops. It consisted of sixteen acres-main plots and an eight-acre companion research area. As Production Manager, I was responsible for all the farming operations across all systems. I assisted in field sampling and analysis.

I designed, built, conducted maintenance and operated a variety of conventional and conservation tillage equipment. We used various planters, cultivators, irrigation equipment, pesticide and fertilizer applicators and crop harvesters. I contracted and supervised custom farming operations such as tomato transplanting & harvesting. I contracted some of the harvested crops through field persons for sale and for donations to county FFA programs as feed for project animals. Supervision of employees ranged from two irrigators and student samplers to twelve workers during tomato transplanting and harvest.

I sat on the grower panel during field days for the question and answer period. I reported by-monthly on field operations to the advisory panel and co-authored the annual progress report. I have spoken at workshops and seminars with as many as 200 people in attendance.

I communicated with UCCE farm advisors, grower advisors, farmers, equipment dealers, and pest control advisors on a regular basis. I networked the donation of more than \$75,000 worth of equipment and supplies to the SAFS project.

As a Biologist with the Solano County and Glenn County Agriculture Departments, I gained experience of the regulatory side of Agriculture, Air Pollution control and Weights & Measures. Duties included pesticide use enforcement, phytosanitary field inspections of seed crops and exported plant materials. I inspected imported animals, plants and plant materials for diseases, insects and various regulatory requirements. As biologists we answered questions, identified diseases, insects and weeds. I was the Biologist in charge of the Weed Management Area Workgroup. I wrote the mission statement and wrote meeting minutes for distribution to workgroup members. I worked with State and Federal technicians in monitoring pesticides and pest control measures and programs within Weights & Measures.

