

January 2014

TERRY L. PRICHARD

Water Management Specialist, Emeritus
 Department of Land, Air and Water Resources/Hydrology
 University of California, Davis, California 95616
 Telephone (209) 886-5301; Fax (209) 886-5301; e-mail: tlprichard@ucdavis.edu

DEGREES - B.S. Polytechnic State University, San Luis Obispo, 1973
 Soil Science
 M.S. University of California, Davis, 1976
 Soil and Water Science

ACADEMIC EXPERIENCE:

System-wide UC CE Farm Advisor, 1975-1977
 University of California at Davis Water Management Specialist, 1977
Asst. Spec., 1977
Asso. Spec., 1982
Full CE Specialist, 1990
 UC Davis, Department of Land, Air and Water Resources
 Lecturer, 1989 – present
 Specialist Emeritus, LAWR UC Davis-- July 2010

RESEARCH INTERESTS

Understanding changes in soil-water-plant relationships under environmental stress and developing management strategies to maximize crop quality, resource use and minimize environmental impact

RECENT PROJECTS

Irrigation Education and Training Program for Leaching Ground Water Protection Areas in CA (Writing Training Materials and Coordinating Program)
 Offsite movement of agricultural pesticide residues -- writing risk assessment and best management practice publications. (Department of Pesticide Regulation)
 Evaluation of best management practices to reduce offsite movement of ag residues. (State Water Quality Control Board)

PERSONAL EXPERIENCE

Farm owner/operator, Farmington and Oakdale, CA Growing walnuts and beef cattle.
 Diamond Walnut Advisory Board member, 1996-2003.
 Consulting in California / US / Abroad in the area of Crop Water Management/Stress Physiology
 Consultant to SJ County Resource Conservation District and South Delta Water Agency 2000 to present.
 Certifications: Certified Professional Crop Advisor, Soil Scientist, and Agronomist. DPR QAC

PEER-REVIEWED PUBLICATIONS (selected presentations from past ten years)

Prichard, T.L. 2000. Vineyard irrigation systems. Chapter 8 in Raisin Production Manual, L. Christensen (ed), University of California DANR Publication 3393.

Schwankl, L., T. Prichard, B. Hanson, I. Wellman. 2000. Costs of pressurized irrigation systems for tree crops. University of California DANR Publication 21585.

Mitchell, J.P., C. Shennan, M.J. Singer, D. Peters, R.O. Miller, T. Prichard, S.R. Grattan, J.D. Rhoades, D.M. May, D. Munk. 1999. Impacts of gypsum and winter cover crops on soil physical properties and crop productivity when irrigated with saline water. *Agricultural Water Management*, July 1999, Vol. 45, p. 55-71.

Schwankl, Larry and Terry Prichard. 2001. Chemigation in tree and vine microirrigation systems. University of California DANR Publication 21599.

Prichard, T., J. Troiano, J. Marade, F. Guo, M. Canevari. 2005. Movement of Diuron and Hexazinone in clay soil and infiltrated pond water. *Journal of Environmental Quality*, Vol. 34, No. 6.

Schwankl, L., Johnson, S., Prichard, T. 2005. Chapter 5, Irrigation, in *The Home Orchard: Growing Deciduous Fruit and Nut Trees*, Faber (ed). University of California ANR Publication 3485

Sanden, B., Prichard, T. L., Fulton A. E. 2005, Chapter 8, Improving Water Penetration, in *Pistachio Production Manual*. University of California ANR Special Publication

O'Geen, A.T., Prichard, T. L., Elkins R., Pettygrove, G.S. 2005. Orchard Floor Management to Reduce Erosion and Protect Water Quality, UC-ANR publication 8202

Grant, J., Anderson K., Prichard, T. 2006. Cover Crops for Walnut Orchards. University of California ANR Publication 21627

Schwankl, L., Prichard T., Hanson, B. 2006. Reducing Runoff from Irrigated Lands. Storing Runoff from Winter Rains. UC-ANR Publication 8211

Schwankl, L., Prichard, T., Hanson, B. Elkins, R. 2007 Reducing Runoff from Irrigated Lands, Understanding Your Orchard's Water Requirements UC-ANR Publication 8212

Schwankl, L., Hanson, B., Prichard T. Reducing Runoff from Irrigated Lands, Causes and Management of Runoff from Surface Irrigation in Orchards. UC-ANR Publication 8214

Schwankl, L., Prichard, T., Hanson, B. 2007 Reducing Runoff from Irrigated Lands, Managing Existing Sprinkler Irrigation Systems. UC-ANR Publication 8215

Schwankl, L., Prichard, T., Hanson, B. 2007 Reducing Runoff from Irrigated Lands, Soil Intake Rates in Sprinkler-Irrigated Orchards. UC-ANR Publication 8216

Schwankl, L., Prichard, T., Hanson, B. 2007 Reducing Runoff from Irrigated Lands, Tailwater Return Systems. UC-ANR Publication 8225

Schwankl, L., Hanson, B., Prichard, T. 2008 Maintaining Microirrigation Systems. University of California ANR Publication 21637

Prichard, T, P. Verdegaal, L. Schwankl, and R Smith. 2013 Controlling Offsite Movement of Agricultural Residues: Winegrapes. ANR Publication 8456