

TERRY L. PRICHARD

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

ACADEMIC EXPERIENCE:

System-wide UC CE Farm Advisor, 1975-1977

University of California at Davis Water Management Specialist, 1977
Asst. Spec., 1977
Asso. Sepc., 1982
Full CE Specialist, 1990

Department of Land, Air and Water Resources
Lecturer, 1989 – present

Specialist Emeritis, LAWR UC Davis-- July 2010(expected)

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

CURRENT RESEARCH PROJECTS

Effects of regulated deficit irrigation on winegrape

Orchard management influences on water infiltration characteristics.

Optimizing irrigation to maintain productivity and minimize environmental impacts.

Deficit irrigation of walnut

Irrigation Education and Training Program for Leaching Ground Water Protection Areas in CA (Writing Training Materials and Coordinating Program)

PERSONAL EXPERIENCE

Owner/operator walnut orchard, Farmington, CA
Diamond Walnut Advisory Board member, 1996-2003.
Consulting in California / US / Abroad in the area of Water Management/Stress Physiology
Consultant to SJ County Resource Conservation District and South Delta Water Agency 2000 to present.

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

Schwankl, L. and T. Prichard. 1999. Drip irrigation in the home landscape, University of California DANR Publication 21579.

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

Hanson, B., L. Schwankl, L., Prichard T. 2007. Reducing Runoff from Irrigated Lands. Measuring Irrigation Flows in a Pipeline. UC-ANR Publication 8213

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