

ALBERT A. STODDARD III, PhD, CPSS

EDUCATION

B.S. University of Florida, Major: Fruit Crops, Agronomy (8/85, 8/86)

M.S. University of Florida, Major: Agronomy; Minor: Botany (6/89)

Ph.D. University of Georgia, Major: Agronomy (Spec: Environmental Soil Science) (6/98)

PROFESSIONAL LICENSES/CERTIFICATIONS

- ARCPACS Certification (American Society of Agronomy / Soil Science Society of America): Certified Professional Soil Scientist (CPSS) #28137 (Exp. 12/09)
- Certified Environmental Health Professional (CEHP - onsite sewage treatment and disposal) # 07-1557, Florida Department of Health, Tallahassee (Exp: 10/09)
- Florida Restricted-Use Pesticide License (commercial) #CM16373 (Exp. 12/09)
Categories: Demo.& Research, Ag-Plant Row Crops, Ag-Plant Tree Crops, Ornamental and Turf, Greenhouse and Soil Fumigation
- California Agricultural Pest Control Advisor (PCA) #AA3034 (Exp. 12/03)
Categories: A (invertebrates), B (plant path.), E (weeds);

CAREER HISTORY

Private/Principal Practice - Consulting Soil Scientist / Agricultural Consultant - Primary contracting and subcontracting of professional consulting services to Florida's water management districts, engineers/planners, developers/landowners, attorneys, farmers, pest control dealers, and agrichemical manufacturers/suppliers. Areas of specialization include: contract soils mapping and hydric soil indicator identification in state-owned wetlands; NEPA Phase I & II environmental site assessments (specialization in agricultural properties); data management and statistical analysis of environmental and agricultural sampling data; Florida Department of Health septic site permitting; management of environmental sampling projects for public and private clientele (i.e., experimental design, sampling, shipment preparation, chain of custody, and technical reporting); forensic/regulatory investigations; compliance, permitting, and reporting issues related to RCRA, CERCLA, and TSCA; modeling of pollutant and nutrient loading to ground and surface waters; hydrological modeling; erosion and sedimentation modeling / estimates; screening-level risk assessments; environmental resource permitting (ERP) for Florida and Federal regulatory authorities (i.e., wetland delineation, GIS mapping, wetland mitigation, wildlife surveys, and narrative compositions).

Rush, Marcroft, and Associates - Agricultural Consultant - Forensic agricultural investigations (documentation and reporting of crop damage; soil, tissue, and pesticide residue sampling; coordination and interpretation of laboratory analysis; loss / damages estimation; rendering / reporting of professional opinion; and expert witness testimony); private consulting to clients (ranchers, agrichemical producers/retailers, attorneys, and insurance companies) where crop

failure or significant crop damage has occurred, and/or where litigation is involved; conduction of pertinent field research and literature review; complete third-party documentation, estimation, causal determination, and reporting of crop damage. As of December 2008, over 95 investigations conducted and over 70 written reports (rendered conclusions) submitted to clients. Qualified in four trials as expert witness in California Superior Court.

High Hill Groves Inc., Pomona Park, FL - Citrus Production/Marketing Manager - Management of production, sales, and harvesting for mandarin, blood orange, and navel orange grove. Procured buyer and floor/rise marketing agreement for owner's crops; management of transition of grove to NOP Organic status; management of all aspects of horticultural production: fertilization, irrigation, pest control, and weed control.

California State University, Fresno, CA - Lecturer - Instruction of nine courses:

- SW1 Introduction to Irrigated Soils - 3 credits (2 lecture, 1 lab) - F'99
- PLTH 105 Weeds / Vegetation Management - 3 credits (2 lecture, 1 lab) - S'01, F'01, S'02
- BOT 130 Plant Physiology - 3 credits (2 lecture, 1 lab) - F'01, S'02
- PLTH102 Pesticides - 3 credits (lecture) - F'01
- FRSC 112 Introduction to Pomology - 3 credits (lecture) - S'02
- PLANT 110W Dimensions in Agriculture - 3 credits (lecture) - S'02

Barron Collier Company, Naples, FL - Citrus Research Director - implementation / management of applied field research for 10,000 acre citrus production operation; proactive communication, cooperative experimentation, and maintenance of research with university research and extension arms; institution of improvement programs for soil quality in marginal areas; evaluation of pesticides and application techniques; implementation of statistical procedures to accurately estimate annual yields for in-house accounting purposes, contract fruit buyer processing allotments, and futures hedging operations; technical horticultural/ agronomic support on an as-needed basis to management.

Unocal Corporation - Product Development Specialist - Development of technical information on proprietary agrichemical product uses in new market areas (vegetables, cotton, peanut, citrus): evaluation of product potential, recommendation and prioritization of crop uses to be developed; establishment of professional relations with customers (dealers and end-users); coordination of product development with universities (grant-in-aid) and regulators (registrations); and new introductory management of products in cooperation with marketing groups. Products developed include urea-sulfuric for crop desiccation and water treatment uses, low-biuret liquid foliar urea for high-efficiency fertilization of citrus, novel herbicides, nematicides, cotton defoliant and harvest aids.

LABORATORY EXPERIENCE

- Various soil extraction procedures, including sequential soil extractions
- Total soluble solids, suspended solids, particle size determination, and nephelometry
- Kjeldahl/Dumas N analysis
- Colorimetric analysis: NH₄, PO₄
- Atomic adsorption/emission spectroscopy for soil cations and trace metals
- X-ray diffraction (XRD) and thermal decomposition analysis for minerals
- Soil/clay surface area analysis (partial pressure N₂ gas method)
- Ion chromatography / ICP mass spectrometry
- Iodometric titration
- Soil permeability testing (in situ and in vitro)
- Geotechnical testing (proctor, permeability, particle size, triaxial, neutron probe)
- Soil-characteristic curves - pressure-plate / HEMC suction plate testing
- Clear understanding of lab QA/QC issues

FIELD EXPERIMENTATION / SAMPLING / DATA ANALYSIS EXPERIENCE

- **Environmental Soils/Water:**
 - Collection, statistical analysis, and interpretation of pollution monitoring data
 - Soil erosion and sedimentation control methods/design
 - USDA-NRCS soil type (series) determination and mapping
 - USDA-NRCS hydric soil determination and interpretation
 - Seasonal high water table determination - Florida
 - Wetland delineation and mapping - Florida
 - Soil infiltration rate determination
 - Soil compaction determination
 - Landfill liner and cap design/installation consulting
- **Agricultural**
 - Crop/plant injury determination and damages estimation
 - Pesticide residue sampling (soil, water, crops, structures) and interpretation
 - Pesticide/fertilizer efficacy experimentation
 - Pesticide bioassaying
 - Soil fertility sampling and interpretation
 - Pesticide, fumigation, and fertilizer application equipment calibration
 - Pesticide use recommendation
 - Irrigation scheduling and chemigation
 - General experimental design and statistical analysis
 - Crop estimation
- **Other**
 - GIS/GPS mapping
 - Endangered/threatened species surveys
 - Septic site permitting - Florida
- **Clear understanding of field QA/QC issues**

PROFESSIONAL SOCIETY MEMBERSHIPS/ACTIVITIES

- American Society of Agronomy / Soil Science Society of America: 1997 - Present
- Florida Association Environmental Soil Scientists: 2006 - Present
- Florida Onsite Wastewater Association 2006-2007
- Environmental Benchmark Alliance, St. John's Vision: 2003 - 2004
- Florida Weed Science Society: 1986-1994, 2003
- California Chapter, American Society of Agronomy: 1999, 2002
- California Weed Science Society: 1999 - 2001
- Gulf Coast Citrus Growers Association: 1994
- Florida Department of Citrus - Harvesting Research Advisory Council: 1993-1994
- Florida State Horticultural Society: 1991-1994
- Southern Weed Science Society: 1987-1991, 2003