

Curriculum Vitae

Stuart A. Turner

Turner & Co., Inc.
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Education

- Bachelor of Science*** 1985
Agronomy, Plant Protection option
Washington State University, Pullman, WA
- Bachelor of Arts*** 1980
American History, Secondary area of study Horticulture
Washington State University, Pullman, WA

Current Positions

Consulting Agronomist, Turner & Co., Inc., West Richland, WA 1991 - Present

- Forensic Investigation of Crop Loss/Property Damage/Personal Injury associated with production of food and fiber crops.
- Environmental Compliance/Permitting/Ecological Effects associated with large scale agricultural enterprises
- Technical Services Provider – Professional land management irrigated and dry land crops
- Research – Private contract, grant specific studies for Landowners, Agricultural Chemical Companies, US EPA, Land Grant Universities

Special Lecturer, Various Conferences and Universities

- Oregon State University, Annual Pesticide Applicators Recertification Meeting, Portland, OR
- Washington State University – Senior level Agronomy and Horticultural classes; Effects of different formulations of pesticides on product efficacy, drift, and phytotoxicity
- Simon Fraser University – Vancouver, B.C. Mitigation efforts to reduce pesticide toxicity to wild and domestic pollinators
- Purdue University sponsored seminar on Environmental Concerns in Rights of Way Management

Recent Special Projects

National Air Emissions Monitoring Study (EPA Grant Funds/Matching Industry funds); Study of the emission of gasses and particulate matter from agricultural enterprises; Master contract holder Purdue University and Washington State University. Assistant to Principal Site Investigators for studies WA-5A and WA-5B; assemble and install, test and maintain site instrumentation. Projects successfully passed EPA audit in October 2009, data currently undergoing supercomputer analysis (millions of data points for each 24 month continuous study). Phase I complete; Phase II beginning June, 2012; manipulation of feed and manure management to establish air emission values/reductions for BMP'; Principal Investigators Dr. Pius Ndegwa, Dr. Joe Harrison, WSU.

Professional Experience and Expertise

- Field investigation, laboratory research, and technical journal review to diagnose and resolve a wide range of problems involving pesticides including incorrect dosage, timing, method of application, incompatible tank mix ingredients, product contamination are all common issues.
- Analysis and resolution of problems associated with storage of bulk agricultural commodities, including treatment with fumigants, sprout inhibitors, pesticides, and microbiological infestation.
- Investigation of problematic aerial application including drift, contamination, and calibration
 - Experience with common field and row crops (dry land and irrigated), forage crops, landscape and ornamental plantings, fiber production (including site prep and conifer release with herbicides), tree fruits, small fruits (berries), seed crops, and livestock (beef, cow-calf, heifer and dairy).
- Investigation to determine cause and origin of personal injury, crop/property damage, and environmental hazards (including leaking storage tanks, pesticide and fertilizer spills, fires, and aquifer contamination problems) associated with food and fiber production.

Public Experience / Private Experience

- Public Sector: State Department of Agriculture, County Agricultural Commissioners, State Attorney Generals, County Prosecutors, and special projects for Department of Defense and The US Environmental Protection Agency. Land Grant Universities.
- Private Sector: Wide variety of agricultural producers, packers and shippers; pesticide manufacturers and formulators; attorneys at law; insurance companies; professional ground and aerial applicators, and equipment manufacturers.

Professional Background and Training

Branch Elevator Operator, Seed Processing and General Laborer Summers: 1975, 1976
Oakesdale Grain Growers Cooperative, Oakesdale, WA

Intern - PureGro Company, Pasco, WA Summer 1977

- Experience in all phases operating a fertilizer and pesticide distribution plant

Intern - PureGro Company, Pasco, WA Summer 1978

- Duties included soil and plant tissue gathering, weed ID, and insect monitoring

Operator Plant Tissue and Soil Analysis Lab - PureGro Company, Pasco, WA
Summer 1980

- Operator of mobile plant tissue and soil fertility analysis lab
- Promotion to wholesale division in Fall 1980; product bulk handling, packaging, wholesale sales to retail distributors of pesticides, fertilizers and foliar feeds

Fieldman - PureGro Company, Prosser, WA July 1981 – Mar 1982

- Manager of sales and service of fertility and pesticide needs for over 50 growers in the lower Yakima Valley primarily fruit, hop and grape growers

Manager - Palouse Producers, Inc., of Pullman, WA Apr 1982 – June 1983

- Manager of operations of Genesse, ID, fertilizer and chemical retail sales/service plant

Consulting Agrolgist - Stuart W. Turner & Company of Washington, Inc. 1983 - 1991
Bainbridge Island, WA

- Company acquired by Turner & Co., Inc. in 1991

Specialty Certification & Licensure

Certified Professional Agronomist (#02575) August 1990-Current
American Society of Agronomy/Crop Science Society of America/Soil Science Society of America

Certified Crop Advisor January 2012-Current
American Society of Agronomy, Crop Science Society of America. Soil Science Society of America

Pest Control Advisor License 1982-1984

- Issued by Idaho, Valid in Oregon, Washington, Idaho

Professional Societies and Associations memberships

Helicopter Association International

- **Chairman**, Aerial Application Committee 1986 - 1997

American Society of Agronomy
Weed Science Society of America
Potato Association of America
Western Society of Weed Science
Washington State Horticultural Association
American Phytopathological Association
International Society of Arboriculture
Pacific Northwest Arboricultural Society
Washington State Horticultural Association

Service on Professional Boards, Committees

Appointed, October 2010 by Gary Pruitt,
Yakima Regional Clean Air Authority to the
Dairy Air Quality Working Group

Appointed, January 2012 by Ted Sturdevant,
Director, Washington State Department of
Ecology to the Lower Yakima Ground
Water Management Area GWAC board

Appointed, April 2012 to the NRCS 590
Technical Committee, by Bonda Hobets,
NRCS Spokane