

CURRICULUM VITAE
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EDUCATION

- May, 1991** **Bachelor of Science in Agriculture, Horticulture,**
Texas Tech University, Lubbock, Texas.
- August, 2000** **Master of Science in Agriculture, Horticulture,** Texas Tech University,
Lubbock, Texas
- May, 2007** **Doctor of Philosophy, Major: Agronomy; Minor: Public Health (US**
and Mexico Border Health Issues), New Mexico State University, Las
Cruces, NM

WORK EXPERIENCE

- Nov 2007-Present** **Assistant Professor of Horticulture, New Mexico State University**
Agricultural Science Center at Farmington
- June 2007-Sept 2007** **U.S. Crisis Corps Volunteer, FAO Junior Farmer Field and Life**
School Lusese village coordinator, Caprivi Region, Namibia
- June 2001-May 2007** **Teaching and Research Assistant, Department of Agronomy and**
Horticulture, New Mexico State University, Las Cruces. Instruction
of Principles of Agronomy/Horticulture laboratories and the revision of
associated teaching materials. Research activities: Hybrid poplar-based
agroforestry for fiber production located at the Agricultural Science
Center, Farmington in collaboration with Navajo Agricultural Products
Industry (NAPI).
- Jan 2003-Dec 2003** **Horticulture Production Advisor, Rural Enterprise Unit/Ministry of**
Agriculture/ACDIVOCA, Asmara Eritrea. Sub-sector Analysis of
Eritrean Horticulture Industry and field based mentoring to MOA and
farmer groups on issues concerning management, production
scheduling, pest control and other cultural practices of fruit (apple and
banana) and vegetable crops. Aided in developing extension
publications in English, Arabic and Tigrinya, Coordinated short-term
volunteers and consultants, and assisted in budget management and
other project logistics.
- Aug. 2000-May 2001** **Lab Instructor/Research Technician, Plant and Soil Science**
Department, Texas Tech University, Lubbock, Texas. Instruction of
Principles of Horticulture laboratories. Research activities: Castor
(*Ricinus communis*) breeding project for the production of short, high
yielding varieties for oil and cancer chemotherapy applications. Specific
duties included harvesting and processing of seed, record keeping, and
liaison between agricultural and health science research groups.

- Aug. 1998-Aug. 2000** **Teaching Assistant, Plant and Soil Science Department, Texas Tech University, Lubbock, Texas.** Assisted in distant education course development and management of Principles of Horticulture and Plant Propagation offered online through WebCT. Teaching of both web-based and traditional classroom laboratories. Thesis research: phytochemical compounds in onion (*Allium cepa* L.) beneficial to human health.
- June 1995-Aug. 1998** **Horticulturist I, Filoli Center, Woodside, California.** Maintenance of ornamental, vegetable (kitchen garden) and fruit tree collections/demonstrations. Some specific duties: record keeping, supervision of interns and volunteers and some weekend lay-person training sessions.
- Aug. 1994-Feb. 1995** **Buildings and Grounds Foreman, Rollins Blue Cypress Ranch, Okeechobee, Florida.** Supervision of the Buildings and Grounds crew for maintenance of horticultural areas within a 27,000-acre cattle ranch/hunting retreat. Duties required horticultural, organizational, and client relation skills.
- Sept.1991-March 1994** **U.S. Peace Corps Volunteer, Kagera Fisheries Project, Bukoba Tanzania (East Africa).** Tanzanian Department of Natural Resources and FAO/UNDP multi-disciplinary project focusing on economic development, food security, women's issues, training, research and environmental issues among artisanal fishermen on the western Tanzanian shore of Lake Victoria. Specific duties included village extension, management of two tree seedling nurseries, and demonstration trials of multiple woody crops including coconuts and grapes. Tree seedlings were distributed to stakeholders for fuelwood used in fish processing, building material, and fruit production. Project description: <http://www.pssc.ttu.edu/agforestry/default.htm>
- May 1989-Sept. 1991** **Horticultural Assistant, James W. Kent Horticultural Services, Fort**
April 1994-Aug. 1994 **Worth, Texas.** Tree pruning, pest management, complete grounds maintenance, and ornamental landscaping to the highest standards of private clientele.
- May 1990-Aug. 1990** **Horticultural Intern, Planting Fields Arboretum, Long Island, New**
York. Tree pruning, pest management, complete grounds maintenance, and landscaping on a 400-acre historic estate and public arboretum.
- Feb.1990-March 1990** **Apple Orchard Pruner, George Elle, PhD., Lubbock, Texas.**
Dormant season pruning of apple trees in "Pick your own" orchard.
- 1981-1990** **Self-employed, Fort Worth, Texas.** Responsibilities included horticultural applications to client properties, record keeping, and customer relations.

PROFESIONAL/HONORARY SOCIETIES, AND OTHER ORGANIZATIONS

American Association of Botanical Gardens and Arboreta
 American Society of Horticultural Sciences
 Alpha Zeta - Honorary Agriculture Fraternity for academic achievement.
 Gamma Sigma Delta – Honorary Agriculture Fraternity for academic achievement.

Pi Alpha Xi – Honorary Horticulture Fraternity for academic achievement.
Phi Beta Delta – Honorary Society for International Scholars.
Texas Tech Marching Band “*the Goin Band from Raiderland*” 1986-1990.
Eagle Scout, Boy Scouts of America, Troop 600, Ft. Worth, TX

REFEREED AND TECHNICAL PUBLICATIONS

- Lombard, K.A., S. Forster-Cox, D. Smeal, and M.K. O'Neill. 2006. Diabetes on the Navajo Nation: What role can gardening and agriculture extension play to reduce it? *Journal of Remote and Rural Health* 6:640.
<http://www.rrh.org.au//articles/showarticlenew.asp?ArticleID=640>.
- O'Neill, M.K., D. Smeal, R.N. A., and K. Lombard. 2006. Growth and survival of drip-irrigated hybrid poplar in the semi-arid Four Corners region. *Journal of Sustainable Forestry*. 23:47-62. DOI: 10.1300/J091v23n02_03.
- Lombard, K.A., E. Peffley, E. Geoffriau, L. Thompson, and A. Herring. 2005. Quercetin in onion (*Allium cepa* L.) after heat-treatment simulating home preparation. *Journal of Food Composition and Analysis* 18: 571-581.
- Lombard, K.A., E. Geoffriau and E.B. Peffley, 2004. Total quercetin content in onion (*Allium cepa* L.): survey of cultivars originating from various locations. *HortTechnology* 14(4): 628-630.
- Smith, Crystal, Kevin A. Lombard, Ellen B. Peffley, 2003. Genetic analysis of quercetin in onion (*Allium cepa* L.) 'Lady Raider'. *Texas Journal of Agriculture and Natural Resources* 16:24-28.
- Lombard, K.A. and Daniel de Reuck, 2003. *Banana Production and Post Harvest: A Field Guide Book for Eritrean Farmers*. ACDI/VOCA.
- de Reuck, Daniel and K.A. Lombard, 2003. *An Illustrated Guide to Green Banana Defects for Eritrean Farmers*. ACDI/VOCA.
- Sharma, R.K., K.A., Lombard and A. Kelete, 2003. *Apple Cultivation: A Field Guide Book for Eritrean Farmers*. Central Highlands Project.
- Sharma, R.K., W. Biniam, A. Kelete and K.A. Lombard, 2003. *Spice Cultivation: A Field Guide Book for Eritrean Farmers*. Central Highlands Project.
- Auld, D.L., S.D. Pinkerton, E. Boroda, K.A. Lombard, C.K. Murphy, K.E. Kenworthy, W.D. Becker, R.D. Rolfe, and V. Ghetie, 2003. Registration of TTU-LRC castor germplasm population with reduced levels of toxins. *Crop Science*. 43(2): 746-747.
- Lombard, K.A., A.M. Wagner, J.G. Mexal, and R. Mostafavi, 2003. *Introduction to Agronomy and Horticulture, Agro & Hort 100G, Lab Manual, 3rd Edition*.
- Lombard, K.A., E. Geoffriau, E.B. Peffley, 2002. Flavonol quantification in onion (*Allium cepa* L.) by spectrophotometric and HPLC analyses. *HortScience* 37(4): 682-685.
- Lombard, K.A., E.B. Peffley, L. Thompson, and E. Geoffriau, 1999. Quantification of quercetin in onion (*Allium cepa* L.) after thermal processing. *Allium Improvement Newsletter* Vol. 9:35-38.

PRESENTATIONS AT SCIENTIFIC/TECHNICAL MEETINGS

O'Neill, M.K., K. Lombard, D. Smeal, R.N. Arnold, R. Heyduck, J. Mexal, and B. Onken. 2006. Poplar-based agroforestry in arid/semi-arid regions: opportunities and challenges in a growing world. June 5-9, 2006. Fourth International Poplar Symposium. Organized by the International Union of forestry Research Organizations (IUFRO). Nanjing, China.

Lombard, K.A., M. O'Neill, and Daniel de Reuck, 2005. Presentation title: Organizational Approaches Leading to Success or Failure in Agricultural Development Projects. Agronomy Society of America Annual International Meeting, Salt Lake City, Utah.

Mick O'Neill, K. Lombard, D. Smeal, R. Arnold, and J. Mexal, 2005. Poster title: Opportunities for Hybrid Poplar Production in the Four Corners Region of New Mexico. Agronomy Society of America Annual International Meeting, Salt Lake City, Utah.

Lombard, K.A., M. O'Neill, D. Smeal, R. Arnold, and J. Mexal, 2005. Poster title: Hybrid poplar establishment under harsh environmental and edaphic conditions of the Four Corners Region. The Association for Temperate Agroforestry 9th North American Agroforestry Conference, Rochester, Minnesota.

O'Neill, M., D. Smeal, R. Arnold, K. Lombard and J. Mexal, 2004. Poster Title: Establishment of hybrid poplar in semi-arid Temperate Zones. The 1st World Agroforestry Congress, Orlando, Florida.

O'Neill, M., J. Mexal, and K. Lombard, 2003 Poster Title: Establishment of hybrid poplar under drip irrigation in the semi-arid Four Corners region. New Mexico State University All College Conference, Las Cruces, NM.

Lombard, K.A., E.B. Peffley and E. Geoffriau, 2000. Presentation Title: Quercetin in onion (*Allium cepa* L.) after thermal processing and comparison of quantification by spectrophotometer and high performance liquid chromatography (HPLC). The 3rd International Symposium on Edible Alliaceae, The University of Georgia.

Lombard K.A., E.B. Peffley and E. Geoffriau, 2000. Presentation Title: Quantification of quercetin in onion (*Allium cepa*) after domestic processing. American Society of Horticultural Sciences Southern Regional Conference, Lexington, KY.