

**EDUCATION**

- 1991 - 1995 Michigan State University (MSU), East Lansing, Michigan. Ph.D. Crops /Soil - Environmental Sciences.
  - Minor: Administration of International Development;
- 1985 - 1987 University of Missouri-Columbia (UMC), Columbia, MO. MS., Soil Science.
- 1982 - 1985 University of Louisiana (UL), Lafayette, LA. B.S. Agronomy & Natural Resources Management.

**WORK EXPERIENCE**

- Acting Director of International Agricultural Programs; USDA/NRCS. 08/2019-12-15-2019. Employer: International Agricultural Programs, Natural Resources Conservation Service, United States Department of Agriculture, .
  - Assist the Director in providing leadership and coordination of USDA/NRCS mission to help other countries utilize their natural resources sustainably by providing technical assistance; scientific and technical exchanges while contributing to the overall achievement of U.S. foreign policy that seeks to promote economic stability, reduce poverty, and solve world food problems; and provide opportunities that will broaden and increase the technical knowledge and professional capability of NRCS personnel.
  - Provide full-range program support for the agency's international activities, which will (1) assist foreign governments and countries build capacities in sustainable natural resource management, (2) allow U.S. experts to lead and influence global agricultural policy, and (3) improve the exchange of scientific and technical information between the U.S. and foreign countries.
  - Manages training programs for international visitors in the United States.
  - Develops the interest of NRCS employees in the program, ensuring a qualified pool of technical experts for international assignments.
  - Assist in preparation of budget documents needed to implement international assignments.
  - Supports internal and external communications on international conservation program.
  - Assist in representing NRCS at inter-agency meetings of other Departmental agencies to provide guidance on international programs requiring NRCS resources or services.
  - Prepare weekly, monthly biannual reports of International activities.
- Soil Scientist – World Soils Resources/Coordinator for the 26 million dollar “Haiti Soil Survey and Natural Resources Conservation Initiative” – Feed the Future Program. USAID/FAS/ NRCS. United States Department of Agriculture. 07/11- present
- NRCS Project Leader Cacao for Peace Colombia.
- Acting National Leader for World Soil Resources. USDA/NRCS Soil Science Division. 6/2016-9/2016 and 6/2018-8/2018.
- Soils Scientist, Soil Quality/Ecology Branch, National Soil Survey Center, USDA, Lincoln Nebraska, USA. 8/2010-7/2011
- Soils and Environmental Scientist, United States Department of Agriculture, Soil Quality Team, National Technology Development Center, Greensboro, NC. February 2005-August, 2010.
- Associate Peace Corps Director, Agriculture and Environmental Programs, Libreville Gabon, Feb 00 – Oct 2004.
- Asst. Prof. of Soil and Environmental Sciences, University of Louisiana, Lafayette, LA. 8/95-1/2000. ~ \$900,000 in water quality Louisiana Department of Environmental Quality demonstrations grants.
- Graduate Research/ Dept. of Crops and Soils, Michigan State University. E. Lansing, MI. '91-95.
- Teaching Assistant Advanced Soil Chemistry Dept. of Crops and Soils, Michigan State University, 1994.
- Director of Soils Laboratory, Horry-Georgetown Technical College, Myrtle Beach, SC. 8/88 - 9/91.
- Agronomist, Chemlawn Corporation, Charlotte, NC. Jan 1988 – Aug. 1988.
- Graduate Research Assistant and Soils Laboratory Instructor, Univ. of Missouri-Columbia, Dept. of Agronomy. 1985-1987.
- Research Assistant, University of Southwestern Louisiana, Lafayette. 10/83 to 5/85.

**SCHOLARSHIPS AND HONORS**

- Global Community Leader, Agricultural Research in Africa 2017. American Society of Agronomy
- Vice Global Community Leader Agricultural Research in Africa. 2016. American Society of Agronomy.
- Global Community Leader, Gaining Access to Agronomic Inputs” American Society of Agronomy. FY15“
- Outstanding FY14 Annual Performance Summary Rating and cash award. USDA/NRCS.
- Superior FY 2010/ FY2013 /2015 Annual Performance Summary Rating and cash award. USDA/NRCS
- USDA Secretary of Agriculture Group Honor Award. Development of Innovative tools for limited resource farmers, 2008.
- Over 10 letters of Commendation from US State Conservationists and Universities.
- USDA Spot award for Exceptional Performance, December 2008.
- Meritorious Step increase for excellent performance, Peace Corps, Gabon, July 2001/200
- Exceptional Faculty Award, College of Applied Life Sciences, Lafayette, LA 1997-1998.
  - American Society of Agronomy
- National Aeronautic Space Administration (NASA) Summer Faculty Fellow, 1997 & 1998.
  - American Chemical Society
- James Watson Graduate Fellowship Award, MSU. 1995.
  - - Soil Science Society of America
- Michigan State University Competitive Doctoral Fellow, MSU, 1991-1995.
  - - Society for International Development
- American Geological Institute Awards 1992, 1993, and 1994.
- Young Global Scholar Award. MSU, 1993
- International Agriculture Award, MSU, 1993
- Sigma Xi, 1994 and 1998, University of Louisiana.
- Alpha Zeta Agricultural Honor Society, UL, 1984.
- Who's Who Among Colleges and Universities, 1985.
- Beta Gamma Phi Academic Honor Society, 1984, UL.
- Outstanding Agronomy Senior, University of Louisiana Lafayette, 1985.

## **PUBLICATIONS/PRESENTATIONS**

***Charles Kome2/2***

- Soil Information Systems: A Pathway to Soil and Food Security in Haiti, in "Global Soil Security: Towards More Science-Society Interfaces: Dominique Arrouays, et al., (eds). CRC Press. 2018.
- NRCS Participation at the Enhancing Productivity in a Changing Climate ASA Meeting 2018.
- <https://directives.sc.egov.usda.gov/OpenNonWebContent.aspx?content=40315.wba>
- Variation of Surface and Subsurface Soil Organic Carbon within the Haiti Cul-De-Sac Pilot Area <https://scisoc.confex.com/crops/2017am/webprogram/Paper106660.html>.
- Haiti Soil Survey and Natural Resources Conservation Initiative, 2nd Global Soil Security Conf. Dec. 05-06. Paris, France
- Gaining Access to Agricultural Inputs - A Challenge to Achieving Global Food Security. Doi:10.2134/csa2015-60-12-8.
- Kome, C. E. et al., 2015. Opportunities and Challenges Promoting Soil Survey Technology Transfer in Haiti. SWCS Conf., Greensboro, NC.
- Kome, C.E. et. al., 2015. Soil Erosion and Soil Quality Modeling for Sustainable Agricultural Systems in Haiti. SWCS Conf., Greensboro, NC
- Rolfes. G., C.E. Kome et al. 2015. Soil Health in Cul-de-Sac, Haiti from Soil Survey Perspective. SWCS Conf. Greensboro, NC.
- Libohova, Z., Kome, C. E and others. Soils Geomorphology of Cul de Sac Valley, Haiti. SWCS Conf., Greensboro, 2015.
- Scheffe L., Kome, C.E., and others 2014. Developing Integrated Soil Erosion and Soil Quality Approaches for Sustainable Agricultural Systems in Haiti. SSSA. Long Beach, CA.
- Libohova, Z., Kome, C. E et.al. 2014. Mapping Haiti Soils Using Traditional and Digital Soil Mapping Techniques. SSSA. Long Beach, CA.
- Reinsch, T., Kome, C.E., Reich, P. 2014. Haiti Pilot Soil Survey Initiative. World Soil Sci. Congress. Jeju, S. Korea.
- Haiti Soil Survey and Natural Resources Conservation Initiative manuscript. USDA/NRCS/WSR. 2014.
- Soil organic carbon assessment using the carbon management evaluation tool for voluntary reporting (COMET-VR) and the soil conditioning index (SCI). J. Soil and Water Con. JSWC 68.4.296-305.
- Étude et actualisation de la classification des sols en Haïti. Port-au-Prince, 9-11-2012.
- Résultats Attendus de l'Enquête Systématique Pédologiques. Port-au-Prince, 9-11-2012.
- Beyond gaining access to agronomic inputs. [scisoc.confex.com/scisoc/2012am/webprogram/Paper72046.html](https://scisoc.confex.com/scisoc/2012am/webprogram/Paper72046.html).
- Achieving Sustainable Farming Systems with Integrated Approaches and Resources for Ecosystem Services. [a-c-s.confex.com/crops/2011am/webprogram/Person325144.html](https://a-c-s.confex.com/crops/2011am/webprogram/Person325144.html), 2011.
- Turfgrass sod harvesting and land use sustainability. Soil Sci. Soc. of Am Meetings. Long Beach CA, 2010.
- Evaluating assessment tools for soil ecosystems - A Challenge to Achieving Global Food Security system function used to implement US Farm Bill policy: How well do they work? Andrews, S.S., Cambardella, C.A., Mitchell, J.P., Johnson, M.D., Kome, C.E. 2007. Ecological Society of America Abstracts. Available: <http://www.esa.org/meetings>.
- Carbon sequestration in grazing lands. Technical Note. USDA/NRCS
- Sod harvesting and land use sustainability. Technical Note. US DANRCS
- Comparison of COMET-VR and SCI and carbon assessment tools. USDA/NRCS Technical Note (USDA Technote).
- Comparison of COMET-VR and SCI as Soil Carbon Assessment Tools, NOPBNRCSE, Indianapolis, 2006.
- Bi-hourly Moisture Depletion Patterns in Urban Ecosystems. World Soil Science Congress, Philadelphia, 2006.
- New material offers aid to fire ants (Red imported fire ants are expanding menace on U.S. golf courses. <http://gcsaa.org/gcm/2000/mar00/03fireants.html>
- Evaluation of irrigation scheduling using the Soil Conservation Service (SCS) Scheduler.
- Application of Space-Age Technologies in Agriculture". NASA-ASEE Summer Faculty Report. 1988. Stennis Space Center, MS.
- TDR as a means of measuring water use by turf. Crops and Soil Sciences, M.S.U. East Lansing, MI. Plant growth and quality are directly controlled by the soil water status and ... [archive.lib.msu.edu/tic/mitgc/article/1993203.pdf](http://archive.lib.msu.edu/tic/mitgc/article/1993203.pdf).
- Soil Moisture Monitoring as a Tool for Precision Farming". An Invited Presentation, American Society of Engineering Education, Summer Seminar Series, Stennis Space Center, 1998.
- Use of Ground penetrating Radar (GPR) and Time Domain reflectometry (TDR) in Environmental Site Assessment" NASA-ASEE Summer Faculty Final Report. John C. Stennis Space Center, MS. 1997.
- Biosolids Management Assistant" Agron. Abstr. Indianapolis, IN. 1996.
- Evaluation of Missouri Biosolids Management Program." Agron. Abstr. Indianapolis, IN. 1996.
- Water Balance Simulations in Fairway Turfs under Variable Irrigation Regimes. Agron. Abstr. St. Louis. 1995.
- Comparison of Turfgrass ET by TDR, Penman and Blaney-Cridle Equations." Agron. Abstr. Seattle, 1994.
- Water Deficits and Leaching Frequencies in Fairway Turfs Using TDR" Agron. Abstr. Seattle, Nov. 1994.
- Optimizing Irrigation Scheduling with TDR". MANRRS Conference, Sacramento CA. April 1994.
- Time Domain Reflectometry and Irrigation Modeling". Michigan Turf Conf. Proceedings, Jan. 1994.
- "Evaluation of Slow Release Nitrogen Careers on Tall Fescue". Michigan Turfgrass Field Day. Aug. 1993.
- Time Domain Reflectometry for Monitoring Soil Water Use". Michigan Turf Conf. Proceedings. 1993.
- Time Domain Reflectometry and Irrigation Scheduling". Michigan Turf Field Day Proceedings. 1992.
- Potassium and Cyst Nematode effect on Nutrition of Soybean Cultivars with Resistance to Cyst Nematode". Commun. in Soil Sci. Plant Anal., 20 (15&16), 1634-1634 (1989).
- Potassium nutrition of soybeans. Publisher, University of Missouri-Columbia, 1988. Length, 356 pages. Subjects, Nematode diseases of plants...[books.google.com/books/.../Potassium\\_nutrition\\_of\\_soybeans\\_as\\_relat.html?](https://books.google.com/books/.../Potassium_nutrition_of_soybeans_as_relat.html?)