Refereed journal papers

Under review or accepted

Abunyewa, A., C.S. Wortmann et al. 2015. Nitrogen use by grain sorghum as affected by planting practice and nitrogen rate. AJAR


Published


**Other peer reviewed publications**


Elmore, Roger W., Rodrigo Werle, Charles Wortmann, Phinehas Tukamuhabwa, and Nathan Mueller. 201_. Soybean production research and practice – contrasting case studies from three


Streich, A.M., M. Mamo, C. Wortmann, H. Blanco, and D. McCallister.
Properties of Landscape Soils, University of Nebraska-Lincoln Extension EC1267
Streich, A.M., M. Mamo, C. Wortmann, and D. Holding.
Plant Nutrients and Soil Fertility, University of Nebraska-Lincoln Extension EC1275.


http://www.prota4u.org/protav8.asp?h=M4&t=Phaseolus,vulgaris&p=Phaseolus+vulgaris+(common+bean)


**On-line Distance Education Lessons**
http://www.agronomy.unl.edu/prospective/distanceed.html

Wortmann et al. 2006. Manure phosphorus and surface water protection I. Basic concepts of soil and water phosphorus.

Wortmann et al. 2006. Manure phosphorus and surface water protection II. Field and management factors.


Wortmann et al. 2006. Manure phosphorus and surface water protection IV. Assessment of the risk of agricultural P delivery.

**Audio-tutorial Units**

**Pocket-sized field-books**


**Books**


and Policy Makers. CIAT, Kampala, Uganda.

**Computer software**
Wortmann, C.S. and M. Milner. 2015. OFRA Inference Tool: An ArcGIS Script Tool for Geospatial Agronomic Query. University of Nebraska, Lincoln, USA. https://unl.box.com/s/m8kqe63kboy41sr100rbxvn5ys74aypl
Wortmann, C.S. with many African NARS partners. 2015. Adaptations of the original Uganda Fertilizer Optimization Tool for 65 AEZs across 13 countries of Sub-Saharan Africa.

**Databases**
OFRA crop nutrient response database.
Sorghum database for eastern and southern Africa. 2007. Data for 53 variables in 33 sorghum production areas.
Agro-ecological database for Uganda. 1999. Data for 23 variables of agronomic significance on a 5 x 5 km grid basis.

**Other Creative Works since 01/2006**
5. Developed the Uganda Fertilizer Optimization Tool that enables farmers with much limited capital for fertilizer purchase to maximize their net returns to fertilizer use.
6. Revised the Nebraska P Index
8. Designed and provided content for the ‘soil management’ parts of the Cropwatch Crops website (2009-2010).
9. Co-led the design and development of the Heartland Bioenergy & Water Resources website (2009-10).
13. Contributed to Crops eXtension (2009-10).
14. Contributed to the Heartland Nutrient Management Website (2006-10)
15. Nebraska P Index, with erosion calculator added. 2006.