

Agriculture

I. 2010-2011

A. Projects

Compost Center and High Tunnel Construction and Management

G.K. Stearman and M. Best
Tennessee Department of Agriculture

B. Technical Reports and Other Nonrefereed Publications

Stearman, G.K. Compost and Tillage Effects on Soil and Water Quality, Earthworms and Crop Yield. Report to the U.S. Department of Agriculture.

C. Presentations

Dodson, R., and G.K. Stearman. November 2010. Compost and Cover Crop Management in Organic Vegetable Production. Presented At the American Society of Agronomy Annual Meetings, Long Beach, California.

Hoch, J., G.K. Stearman, R. Dodson, and J. Branson. November 2010. Conservation Tillage and Compost Treatments' Effect on Soil Quality and Organic Vegetable Yield. Presented At the American Society of Agronomy Annual Meetings, Long Beach, California.

II. 2009-2010

A. Technical Reports and Other Nonrefereed Publications

Stearman, G.K. Waters Organic Farm Setup. Final Report to the Tennessee Department of Agriculture.

B. Presentations

Anderson, M. December 2009. Testing a Model to Increase Vegetable Intake and Reduce Obesity Indices in Rural Families Through Hydroponic Gardening. Presented to Sigma Xi, Cookeville, Tennessee.

Dodson, R., G.K. Stearman, and J. Branson. November 2009. Organic Vegetable Production as Affected by Compost Rate and Timing. Presented at the American Society of Agronomy Annual Meeting, Pittsburgh, Pennsylvania.

Hoch, J., G.K. Stearman, J. Branson, and R. Dodson.
November 2009. Soil Quality in Organic Vegetable Plots
with Compost and Tillage Treatments. Presented at the
American Society of Agronomy Annual Meeting, Pittsburgh,
Pennsylvania.

III. 2008-2009

A. Projects

An Economic Analysis and Educational Program to Identify
Market Potential for Sustainable High Tunnel Vegetable
Production

M. Best, G.K. Stearman, and B. Byler
U.S. Department of Agriculture

Implementing and Testing a Model to Reduce Obesity
Indices in Rural Families Through Nutrition Education and
Hydroponic Gardening

M. Anderson and J. Branson
U.S. Department of Agriculture

Strengthening Agricultural and Environmental Education at
Tennessee State University: Student Experiential Training
G.K. Stearman and S.G. Berk
Tennessee State University

IV. 2007-2008

A. Projects

Implementing and Testing a Model to Reduce Obesity
Indices in Rural Families Through Nutrition Education and
Hydroponic Gardening

M. Anderson
U.S. Department of Agriculture

Strengthening Agricultural and Environmental Education
at Tennessee State University

G.K. Stearman and S.G Berk
Tennessee State University

B. Technical Reports and Nonrefereed Publications

Stearman G.K., and D.B. George. 2007. Peat Application
to Constructed Wetlands for Pesticide Cleanup at a
Nursery. Final Report for the Tennessee Department of
Agriculture 319 EPA grant.

C. Presentations

Stearman, G.K., D.B. George, C. Eisler, P. Makweche, and T. Ramar. November 2007. Simazine Removal Using Peat Moss Comparing Batch Adsorption and Field Studies. Presented at the American Society of Agronomy Annual Meetings, New Orleans, Louisiana.

V. 2006-2007

A. Technical Reports and Nonrefereed Publications

Stearman, G.K., and D.B. George. 2006. Peat Application to Constructed Wetlands for Pesticide Cleanup at a Nursery. Semiannual report to the Tennessee Department of Agriculture.

B. Presentations

Stearman, G.K., P. Makweche, and D.B. George. November 2006. Simazine Removal Comparing Peat Moss and Gravel in Mesocosms. Presented at the American Society of Agronomy Annual Meetings, Indianapolis, Indiana.

Stearman, G.K., P. Makweche, and D.B. George. April 2007. Simazine Removal Using Sphagnum Peat Moss in Mesocosms Simulating Subsurface Flow Constructed Wetlands. Presented at the 17th Tennessee Water Resources Symposium, Montgomery Bell State Park, Burns, Tennessee.