2020 Organic Agriculture Research Forum
Presented by the Organic Farming Research Foundation and Tuskegee University
in partnership with the Southern Sustainable Agriculture Working Group

January 23, 2020
Little Rock Marriott, Salon B
Little Rock, AR

Agenda

7:00 – 8:00  On-site registration
8:00 – 8:20  Kokoasse Kpomblekou-A, Professor, Tuskegee University
  Welcome remarks and program overview: Status of organic farming research in the Southeast

Strengthening Organic Agriculture through Healthy Soils and Plant Breeding

8:20 – 8:40  Alex Woodley, Assistant Professor, North Carolina State University
  Soil health principles for resiliency in organic agriculture
8:40 – 9:00  Jim Myers, Professor, Oregon State University
  Lessons learned in farmer participatory plant breeding with the Northern Organic Vegetable Improvement Collaborative
9:00 – 9:20  Desmond Mortley, Professor, Tuskegee University
  Participatory vegetable crop variety trials in the Southeast: Biomass yields
9:20 – 9:40  Edmund Frost, Farmer, Common Wealth Seed Growers
  Organic cucumber research and breeding for the Southeast

Organic Management of Pests and Diseases

9:40 – 10:00  Franklin Quarcoo, Assistant Professor, Tuskegee University
  Organic pesticide trials in the Southeast: How to manage pests in the Southeast
10:00 – 10:20  Amber Sciligo, Manager of Science Programs, The Organic Center
  Organic solutions to control citrus greening disease and its vector, the Asian citrus psyllid

10:20 – 10:40  Break

Impacts of Organic Agriculture on Food Safety and Human Nutrition

10:40 – 11:00  Adelia Bovell-Benjamin, Professor, Tuskegee University
  Nutritional quality of selected organic vegetables: A review
11:00 – 11:20  Kristin Woods, Statewide Extension Agent, Auburn University
Implementing conservation practices while improving produce safety and quality
11:20 – 11:40
Alberta N. A. Aryee, Assistant Professor, Delaware State University
Composition differences in organic and conventional alternatives: Nutrients and bioactive compounds
11:40 – 12:00
Julian Jones, Graduate Student, Tuskegee University
Attributes of organically grown squash (Cucurbita pepo L.) and tomato (Lycopersicon esculentum)
12:00 – 12:20
Safiullah Pathan, Assistant Professor, Lincoln University of Missouri
Leafy green quinoa: A potential nutrient-rich new vegetable for organic farming

12:20 – 1:20
Lunch

Consumer Preferences, Markets, and Knowledge Transfer in Organic Systems

1:20 – 1:40
Keniya Davis, Graduate Student, Tuskegee University
Consumers’ hedonic liking of organic squash (Cucurbita pepo L.)
1:40 – 2:00
Nicole Nunoo, Graduate Student, Virginia Tech
Market development for organic squash, tomatoes, and southern peas in the Southeastern United States
2:00 – 2:20
Katie Kule, Graduate Student, Clemson University
Consumer perspectives on fruit bagging: A small grower horticultural practice for southern organic tree orchards
2:20 – 2:40
Tim Miller, Farmer, Millberg Farm
Innovative approaches to transferring knowledge to beginning and transitioning farmers and ranchers

2:40 – 2:55
Break

2:55 – 4:25
Round Table Discussions

4:25 – 5:00
Synthesis Discussion and Recommendations

Poster Session and Mixer
Governors’ Hall 1
5:00 – 7:00

Fiacre Adifon, University of Abomey-Calavi
Physico-chemical parameters of determinant at the level of the Laboko and Kokoro varieties of Dioscorea rotundata in Benin
Hospice Akpo, University of Ibadan
Image data acquisition for estimating individual trees metrics: Closer is better
Joan Burke, USDA
Organic compared with conventional systems for lamb production yield differences in performance in Southeastern U.S. pastures
Christelle Codjia, University of Nigeria
Ecological niche modeling of the stone partridge (Ptilopachus petrosus Gmelin, 1789) in Benin republic center

Keniya Davis and Julian Jones, Tuskegee University
Organic pesticides influence the nutritional and physical properties of organically grown sweet potato (Ipomoea batatas [L.] Lam)

Chehidi Hatem, CTAB
Public policies to facilitate the transition to organic farming (Tunisian experience)

Sonu Koirala BK, Tuskegee University
Tomato hornworm (Manduca quinquemaculata) management in organic tomato production in Alabama: Performance of selected biopesticides and host preference of the insect pest

Carlos Alonso Maldonado Rocha, Universidad Autónoma de Sinaloa (UAS)
Obstacles in transitioning to a certified organic production system in farmers from the central-northern region of Sinaloa Mexico

Caitlin Skinner, Tuskegee University
Effects of thermal pretreatment on anaerobic methane production from a belowground cocktail of cover crops

Andreka Wills, Tuskegee University
Storage root yield and elemental leaf concentration of three sweet potato varieties in response to organic fertilizer

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