

**“Expanding our Boundaries:
Nutrient Management for Non-Traditional Agriculture”**

Northeastern Branch CSA Annual Meeting-2013

University of Delaware,

Newark, Delaware

June 23-26, 2013

Program

Sunday, June 23, 2013

Townsend Hall Commons

531 S. College Avenue

Newark, DE 19716

302-753-5663 (Karen’s Cell – Call if you need directions)

4:30 – 7 pm **Registration**

5-7 pm **Welcome Social** – Join us for ice cream from the UD Creamery and a chance to relax and visit with friends

Monday, June 24, 2013

Clayton Hall Conference Center

100 David Hollowell Drive

Newark, DE 19716

302-831-2214

7:30 am **Registration w/ Continental Breakfast - Lobby**

8:15 **Welcome and Housekeeping – Room 119**

8:30 **Opening Session**

"Research, Legislation, and Voluntary Programs to Improve Nutrient Management In Urban Landscapes". Amy Shober, University of Delaware

9:15 **Operator/Industry Perspectives: Issues, Challenges, Efforts**

Bob Finocchiaro, Finocchiaro Landscaping, LLC

Paul Stead, Kennett Square Golf Course and Country Club

Valann Budischak, DNLA and UD Cooperative Extension

Jennifer Reynolds, University of Maryland Extension – Equine and Poultry Activities

10:45 **Break - Lobby**

11:00 **Panel Discussion: What Does the Industry Need from Us?**

Question and answer session between the panel and the group.

- 12 noon **Lunch w/ Business meeting – Room 120**
- 1:30-3:30 **Session 1 Including Graduate Student Oral Paper Competition – Room 119**
- 1:30 ***Assessing Accuracy of Forage Yield Monitors for Use in Alfalfa.***
Emmaline A. Long¹, Quirine M. Ketterings¹, David Russell² and Karl J. Czymmek¹, (1)Animal Science, Cornell University, Ithaca, NY, (2)Agrinetix, LLC, Rochester, NY
- 1:50 ***Cover Crop and Nitrogen Fertilizer Influence On Tuber Yield and Quality of Potatoes.*** **Emad Jahanzad**, Allen V Barker, Masoud Hashemi, Touria Eaton, Amir Sadeghpour and Md J Meagy, Stockbridge School of Agriculture, University of Massachusetts, Amherst, MA
- 2:10 ***Harvest Management and Nitrogen Application Rate Influence On Biomass Yield, Quality and Nitrogen-Use Efficiency of Switchgrass Grown for Combustion.*** **Amir Sadeghpour**, Leryn E. Gorlitsky, Masoud Hashemi, Sarah A. Weis and Stephen J. Herbert, Stockbridge School of Agriculture, University of Massachusetts, Amherst, MA
- 2:30 ***Powdery Mildew Disease Management Using Silicon Soil Amendments.***
Lepolu Torlon, Rutgers University, New Brunswick, NJ and Joseph R Heckman, Plant Biology & Pathology, Rutgers University, New Brunswick, NJ
- 2:50 ***Spring Seedbed Conditions After Winterkilled Cover Crops.***
Natalie Lounsbury and Raymond R. Weil, Environmental Science and Technology, University of Maryland, College Park, MD
- 3:10 ***Greenhouse Gas Emissions Affected By Tillage, Surface Mulch and Fertilization Managements For Organic Vegetable Productions.***
Guihua Chen, Entomology, The University of Maryland, College Park, MD, Cerruti R.R. Hooks, Entomology, University of Maryland, College Park, MD, Lauren Kolb, Open Space and Mountain Parks, City of Boulder, Boulder, CO, Raymond R. Weil, Environmental Science and Technology, University of Maryland, College Park, MD and Michel A. Cavigelli, USDA-ARS, Beltsville, MD
- 3:30 **Break – Clayton Hall Lobby**
- 3:45 -4:45 **Session 2 – Posters – Clayton Hall Lobby**
- P-1 ***Feasibility of Growing Forage Turnip in Agro Forestry Compared With Mono Cropping System.*** **Reza Keshavarz Afshar**¹, Mohammad Reza Chaichi², Masoud Hashemi³ and Saeed Ghanbarzadeh¹, (1)Agronomy and Plants Breeding, University of Tehran, Karaj, Iran, (2)Agronomy and Plants Breeding, University of Tehran, karaj, Iran, (3)University of Massachusetts-Amherst, Amherst, MA

- P-2** ***Response of Grain Sorghum Yield to Scheduled Deficit Irrigation When Phosphorous Fertilizer Is Substituted By Arbuscular Mycorrhizal Fungi and Phosphate Solubilizing Bacteria.*** **Reza Keshavarz Afshar**¹, Masoud Hashemi², Mahya Ansari Jovini¹, Mohammad Reza Chaichi³ and Ali Alipour⁴, (1)Agronomy and Plants Breeding, University of Tehran, Karaj, Iran, (2)University of Massachusetts-Amherst, Amherst, MA, (3)Agronomy and Plants Breeding, University of Tehran, karaj, Iran, (4)Agronomy, University of Zabol, Zabol, Iran
- P-3** ***Nitrogen Dynamics of Cover Crops in Corn Rotations in New York State.*** **Emmaline A. Long**, Quirine M. Ketterings, Sanjay Gami and Gregory Godwin, Animal Science, Cornell University, Ithaca, NY
- P-4** ***Switchgrass Establishment Influenced By Cover Crop, Seeding Methods, and Weed Control.*** **Amir Sadeghpour**, Masoud Hashemi, Michelle DaCosta, Sarah A. Weis, Emad Jahanzad and Stephen J. Herbert, Stockbridge School of Agriculture, University of Massachusetts, Amherst, MA
- P-5** ***Carbon and Nitrogen Uptake of Cover Crops Seeded After Small Grains.*** **Shona Ort**¹, Michael Stanyard², Sheryl Swink³, Quirine M. Ketterings³, Gregory Godwin³, Sanjay K. Gami¹, Kevin H. Gano⁴ and Karl J. Czymmek³, (1)Cornell University, Ithaca, NY, (2)North West NY Dairy, Livestock and Field Crops Team, Cornell Cooperative Extension, Newark, NY, (3)Animal Science, Cornell University, Ithaca, NY, (4)Cornell University, Herkimer, NY
- P-6** ***Late Season Corn Stalk Nitrate Test: Sampling and Laboratory Analyses.*** **Quirine M. Ketterings**¹, Eun Hong¹, Kate Orloski¹, Sanjay Gami¹, Gregory Godwin¹ and Renuka R Mathur², (1)Animal Science, Cornell University, Ithaca, NY, (2)ISU Soil and Plant Analysis Laboratory, Iowa State University, Ames, IA
- P-7** ***Nutrient Management a Century Ago in Farmers of Forty Centuries.*** **Joseph R. Heckman**, Rutgers University, New Brunswick, NJ

4:45 pm

Dinner on your own

Tuesday, June 25, 2013
Clayton Hall Conference Center
100 David Hollowell Drive
Newark, DE 19716
302-831-2214

7:30 am **All day bus tour – Vegetable and Fruit Production**
Leave from Clayton Hall Conference Center

Filaskeys – FVGAD president, will talk about their operation in general and the marketing they have done; in Middletown (1343 Bunker Hill Road)

Papens – Cabbage; Wyoming

TS Smith – Peaches, fruit grant with UD (cherries, figs, strawberries), plastic culture sweet corn; Bridgeville (8887 Redden Road)

Lunch – TS Smith; Bridgeville (Farm to Table theme)

Kenny Brothers – Pickle washing and grading; Bridgeville (16440 Adams Road)

Bennett Orchard – Blueberries (grant with UD); Frankford (31442 Peach Tree Lane)

Stanley West – Harvest and washing/grading of peas; Milford (2953 Tub Mill Pond Road)

6:00 pm **Return to Clayton Hall**

7 – 9 pm **Banquet and Awards Program – Room 120**

Wednesday, June 26, 2013
Clayton Hall Conference Center
100 David Hollowell Drive
Newark, DE 19716
302-831-2214

- 8:15 am **Welcome and Housekeeping – Room 119**
- 8:30 **Session 3 – Professional Talks**
- 8:30 ***Can Manure Replace the Need for Starter N Fertilizer for Corn.***
Quirine M. Ketterings, Gregory Godwin, Sheryl Swink and Karl J. Czymmek, Animal Science, Cornell University, Ithaca, NY
- 8:50 ***Evaluating Microbial Inoculants for High Quality Organic Bread Wheat Production.*** **Aaron Englander**, University of Maine, Orono, ME
- 9:10 ***Accumulation of Carbon and Nitrogen By Cereal Cover Crops Seeded After Corn Silage.*** **Shona Ort**¹, Quirine M. Ketterings¹, Karl J. Czymmek¹, Gregory Godwin¹, Sheryl Swink² and Sanjay K. Gami², (1)Animal Science, Cornell University, Ithaca, NY, (2)Cornell University, Ithaca, NY
- 9:30 **Break – Clayton Hall Lobby**
- 10:00 ***Greenhouse Nutrient Management Plans: What You Need to Bring to the Table.*** **Andrew Ristvey**. University of Maryland Extension. Wye, MD.
- 10:40 ***Decision Support for Phosphorus Application Timing.***
Thomas W. Bruulsema, International Plant Nutrition Institute, Guelph, ON, Canada
- 11:00 ***Sustainable Water Issues for Golf Course Turf.*** **Michael Fidanza**. Pennsylvania State University, Reading, PA
- 11:30 **Meeting Adjourns**