NEW TECHNOLOGY FOR COMMERCIAL VEGETABLE PRODUCTION (II)

Conference ID: 7834000

Biochar Increases Crop Yield Significantly

E. Marris, Nature 442: 624-626, 10 August 2006

http://www.nature.com/nature/journal/v442/n7103/pdf/442624a.pdf

Polycom from 1308 Fifield Hall, Gainesville, Florida to 15 host sites statewide

Wednesday, February 26, 2014
All of the materials plus related EDIS publications are listed at this [link](#).

We need your help:

1. Have all of your participants registered
2. Complete the pre-test before the presentations
3. Complete the post test after the presentations
4. Complete the Survey
5. Scan all of the above papers including **sign-in sheet, pre-test, post-test, survey** and email the scanned papers to me at [guodong@ufl.edu](mailto:guodong@ufl.edu) if you have a scanner or
6. Mail the papers to David Liu at PO Box 110690, 1253 Fifield Hall, Gainesville, FL 32608 if you don’t have a scanner
7. Collect and email the questions from your participants to me and I will send the answers back to you
8. Disseminate the CEU attendance forms

**Video conference information**

**Our IT Professional**, Mr. Dennis Brown’s **Cell phone is** *(352)317-1701*. If you have any difficulties to get connected, please call Dennis.

**Conference ID:** 7834000

**IP number:** 128.227.156.80##7834000

**Sip connections:** 7834000@video.ufl.edu

**IT Professional:** Mr. Dennis Brown

All sites except Cornell University and Fifield Hall are on the list to be automatically connected at 11 am Eastern Time but if for some reason they aren’t connected, they can manually dial the conference ID to get connected.
Proposers:

Dr. Guodong (David) Liu  
(Primary Contact)  
Assistant Professor and Crop Nutrition Specialist  
Horticultural Sciences Department  
1229 Fifield Hall, P.O. Box 110690  
Gainesville, FL 32611-0690  
(352)273-4814 |  
guodong@ufl.edu

Dr. Frederick Fishel  
Professor  
Agronomy, and Director  
UF/IFAS Pesticide Information Office  
Bldg. 164, P.O. Box 110710  
University of Florida  
Gainesville, FL 32611  
(352) 392-4721  
weeddr@ufl.edu

Available CEUs

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Private</td>
<td>5</td>
</tr>
<tr>
<td>Ag Row</td>
<td>5</td>
</tr>
<tr>
<td>Demo/Res</td>
<td>5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>Up to 5</strong></td>
</tr>
</tbody>
</table>
CONTENTS

1  Frond Matter
2  The Spine of the Book
3  SIGN-IN SHEET
4  Agenda
5  Pre-test
6  2013 CEU Roundup
   Pre- and Postharvest Practices to Maximize Quality and Minimize Postharvest
7  Decay and Disorders of Fruits and Vegetables
8  Biochar and Soil Health
9  Plant Immunity vs. Disease Control
10 Break
11 Status of Plant Pathogenic Nematode Management
12 Smart Irrigation Practices to Promote Plant Defense against Diseases
13 Post-test
14 survey

Related EDIS publications:
An Introduction to Biochars and Their Uses in Agriculture
( http://edis.ifas.ufl.edu/ss585 )
15 Bio-based Products from Biomass ( http://edis.ifas.ufl.edu/ae483 )
   Basic Repairs and Maintenance for Home Landscape Irrigation Systems
16 ( http://edis.ifas.ufl.edu/ae451 )
   Evapotranspiration-Based Irrigation for Agriculture: Crop Coefficients of Some
   Commercial Crops in Florida ( http://edis.ifas.ufl.edu/ae456 )
   Evapotranspiration-Based Irrigation Scheduling for Agriculture
17 ( http://edis.ifas.ufl.edu/ae457 )
18 Manual Monitoring of Farm Water Tables
20 Helpful Tips for Chemigation of Papaya ( http://edis.ifas.ufl.edu/ae358 )
21 Smartirrigation Apps: Urban Turf ( http://edis.ifas.ufl.edu/ae499 )
22 Evapotranspiration-Based Irrigation for Agriculture: Sources of Evapotranspiration
23 Data for Irrigation Scheduling in Florida ( http://edis.ifas.ufl.edu/ae455 )
24 Application of Surfactants in Commercial Crop Production for Water and Nutrient
   Management in Sandy Soil ( http://edis.ifas.ufl.edu/hs1230 )
   Conversions of parts per million on soil test reports to pounds per acre ( http://edis.ifas.ufl.edu/hs1229 )
25 How to Calculate Fertigation Injection Rates for Commercial Blueberry Production
26 ( http://edis.ifas.ufl.edu/hs1197 )
27 How to Convert Liquid Fertilizer into Dry Fertilizer in Fertigation for Commercial
   Vegetable and Fruit Crop Production ( http://edis.ifas.ufl.edu/hs1200 )
28 How to Reduce Clogging Problems in Fertigation ( http://edis.ifas.ufl.edu/hs1202 )
29 Chlorine Use In Produce Packing Lines ( http://edis.ifas.ufl.edu/ch160 )
30 Identification of Early Citrus Black Spot Symptoms (Identificación de los Síntomas
   Iniciales de la Mancha Negra de los Cítricos) ( http://edis.ifas.ufl.edu/pp285 )
31 Nematode Management in Organic Agriculture ( http://edis.ifas.ufl.edu/ng047 )
### IFAS CEU Day – February 26, 2014

**New Technology for Commercial Vegetable and Fruit Production (II) (IST#: 30753/FDACS Program ID: 16706)**

<table>
<thead>
<tr>
<th>#</th>
<th>Host Site</th>
<th>Location</th>
<th>IP Address</th>
<th>Contact</th>
<th>E-mail</th>
<th>Phone #</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UF Campus</td>
<td>1308 Fifield Hall</td>
<td>Polycom origination</td>
<td>Fred Fishel/David Liu</td>
<td><a href="mailto:weeddr@ufl.edu">weeddr@ufl.edu</a> <a href="mailto:guodong@ufl.edu">guodong@ufl.edu</a></td>
<td>352-392-4721</td>
</tr>
<tr>
<td>2</td>
<td>Indian River Co. Ext.</td>
<td>1028 20th Place, Suite D, Vero Beach 32962</td>
<td>70.147.55.234</td>
<td>Christine Kelly-Begazo</td>
<td><a href="mailto:ckelbybe@ufl.edu">ckelbybe@ufl.edu</a></td>
<td>772-770-5030</td>
</tr>
<tr>
<td>3</td>
<td>Lake Co. Ext.</td>
<td>1951 Woodlea Rd., Tavares 32778</td>
<td>67.76.211.187</td>
<td>Juanita Popenoe</td>
<td><a href="mailto:jpopenoe@ufl.edu">jpopenoe@ufl.edu</a></td>
<td>352-343-4101</td>
</tr>
<tr>
<td>4</td>
<td>Martin Co. Ext.</td>
<td>2614 SE Dixie Hwy, Stuart 34996</td>
<td>198.136.36.250</td>
<td>Yvette Goodiel</td>
<td><a href="mailto:goodiel@ufl.edu">goodiel@ufl.edu</a></td>
<td>772-288-5654</td>
</tr>
<tr>
<td>5</td>
<td>Sumter Co. Ext.</td>
<td>7620 SR 471, Suite 2 Bushnell 33513</td>
<td>67.79.177.187</td>
<td>Camille E. Esmel</td>
<td><a href="mailto:Cami13@ufl.edu">Cami13@ufl.edu</a></td>
<td>352-793-2728</td>
</tr>
<tr>
<td>6</td>
<td>DeSoto Co. Ext.</td>
<td>2150 NE Roan St., Arcadia 34266</td>
<td>10.230.68.200</td>
<td>Anna Beswick</td>
<td><a href="mailto:abeswick@ufl.edu">abeswick@ufl.edu</a></td>
<td>863-993-4846</td>
</tr>
<tr>
<td>7</td>
<td>Volusia Co. Ext.</td>
<td>3100 East New York Avenue, DeLand 32724-6497</td>
<td>74.191.71.97</td>
<td>Karen Stauderman</td>
<td><a href="mailto:kstauderman@ufl.edu">kstauderman@ufl.edu</a></td>
<td>386-822-5778</td>
</tr>
<tr>
<td>8</td>
<td>Plant Sci. Res. &amp; Ed. Unit</td>
<td>2556 W. Hwy 318, Citra 32113</td>
<td>128.227163.69</td>
<td>Mark Kann</td>
<td><a href="mailto:mkann@ufl.edu">mkann@ufl.edu</a></td>
<td>352-591-2678</td>
</tr>
<tr>
<td>9</td>
<td>Jackson Co. Ext.</td>
<td>2741 Pennsylvania Ave., Marianna 32448</td>
<td>65.40.9.237</td>
<td>Joshua Thompson, Doris Williams</td>
<td><a href="mailto:j.thompson@ufl.edu">j.thompson@ufl.edu</a></td>
<td>850-482-9620</td>
</tr>
<tr>
<td>10</td>
<td>Indian River Res. &amp; Ed. Center</td>
<td>2199 S. Rock Rd., Ft. Pierce 34945</td>
<td>128.228.161.52</td>
<td>Ken Gioeli, Ed Skvarch</td>
<td><a href="mailto:kgioeli@ufl.edu">kgioeli@ufl.edu</a>; <a href="mailto:eask@ufl.edu">eask@ufl.edu</a></td>
<td>772-462-1660</td>
</tr>
<tr>
<td>11</td>
<td>North FL Res. &amp; Ed. Center</td>
<td>155 Research Rd., Quincy 32351</td>
<td>69.21.116.106</td>
<td>Alex Bolques</td>
<td><a href="mailto:abol@ufl.edu">abol@ufl.edu</a></td>
<td>850-875-7255</td>
</tr>
<tr>
<td>12</td>
<td>Osceola Co. Ext.</td>
<td>1921 Kissimmee Valley Lane, Kissimmee 34744</td>
<td>198.140.240.248</td>
<td>Jessica Sullivan</td>
<td><a href="mailto:sullivan@ufl.edu">sullivan@ufl.edu</a></td>
<td>321-697-3000</td>
</tr>
<tr>
<td>13</td>
<td>Walton Co. Ext.</td>
<td>732 N. 9th St., DeFuniak Springs 32433</td>
<td>Will call in</td>
<td>Mike Goodchild</td>
<td><a href="mailto:migo@ifas.ufl.edu">migo@ifas.ufl.edu</a></td>
<td>850-892-8172</td>
</tr>
<tr>
<td>14</td>
<td>Gulf Coast Res. &amp; Ed. Center</td>
<td>14625 CR 672, Wimauma 33598</td>
<td>128.227.161.210</td>
<td>Crystal Snodgrass and Alicia Whidden</td>
<td><a href="mailto:cys21@ufl.edu">cys21@ufl.edu</a>; <a href="mailto:awhidden@ufl.edu">awhidden@ufl.edu</a></td>
<td>813-634-0000</td>
</tr>
<tr>
<td>15</td>
<td>Southwest Res. &amp; Ed. Center</td>
<td>2685 SR 29 N, Immokalee 34142</td>
<td>128.227.161.179</td>
<td>Gene McAvoy</td>
<td><a href="mailto:gmcavoy@ufl.edu">gmcavoy@ufl.edu</a></td>
<td>239-658-3400</td>
</tr>
<tr>
<td>16</td>
<td>Everglades Res. &amp; Ed. Center</td>
<td>3200 E. Palm Beach Rd., Belle Glade 33430</td>
<td>216.86.3.114</td>
<td>Chris Miller</td>
<td><a href="mailto:cfmill@ufl.edu">cfmill@ufl.edu</a></td>
<td>561-993-1500</td>
</tr>
</tbody>
</table>