



Citrus Leaves

UF/IFAS Citrus Research and Education Center - News and Information

February 2004

Volume 22, No. 2

In This Issue

CREC's New Look	1
Dr. Michael Rogers Joins Faculty	1
You Need a Gatorlink	1
Citrus Disease Hotline	
1-866-365-3017	2
Flower Bud Induction Advisories	2
Citrus Canker Regulations	2
Marketing Workshop	2
Better Business	2
Tools of the Future . . . Recap of Precision Ag workshop	
Precision Ag workshop	3
CREC's CompuColumn	4
Citrus Festival Seeks to Inform	4
Florida Ag Literacy Day	4
News . . .	
Paul Winniczuk, Citrus Industry Cover, Career Days, Dr. Robin Stuart Rides Camelback, Photo Corner, ISC in Morocco	5
News Around CREC	
Dr. Noling Seminar Feb. 17	
Graduate student assistantships available	
Publications Submitted	6
Welcome, Farewell	
Farewell	7
Diaprepes Task Force Meeting March 4, USDA Ft. Pierce	7
50th Engineering Conference	7
Calendar	8



Wow!

Renovations to Building 24 were unveiled when part of the scaffolding was last week, revealing a striking new look with brickwork and paint.

Dr. Michael Rogers Joins CREC Faculty

Rogers To Establish Entomology Extension and Research Program

Dr. Micheal Rogers joined the UF/IFAS faculty as Assistant Professor of Entomology at CREC in January.

Dr. Rogers holds a 65% Extension-35% Research appointment. He will be involved in integrated pest management programs for citrus pests.

Dr. Rogers earned a B.A. in Entomology from Auburn University in 1999 and a Ph.D. in Entomology from the University of Kentucky in 2003. His areas of interest include biological control and integrated pest management.

At the University of Kentucky, Dr. Rogers investigated parasitoids as a biological control method for root-feeding white grubs in turfgrass. He obtained over \$180,000 in grants to fund his Ph.D. research, including a \$130,000 grant from the U.S.D.A., a published eight papers in his graduate career. Dr. Rogers also worked with several insect pests of cotton while an undergraduate student at Auburn.

"We are pleased and excited to have Dr. Rogers join our faculty. His enthusiasm and credentials will serve him well as he assumes a

see Dr. Rogers, p. 6



Photo by G Baut

UF Bridges: Do You Have A GatorLink Account? You Will Need One!

by Monica Lewandowski

UF is transitioning business and related software systems to an entirely new system that will allow UF employees greater access, and responsibility, over everything from personnel records and purchases to event calenders. It will be a monumental change, slated to occur on July 1, that will help move UF systems into the 21st century. One aspect of this system that seems to have generated a lot of buzz is timekeeping procedures. Contrary to rumor, it is not expected that all UF employees will need

see UF Bridges, p. 3

Citrus Leaves

is the monthly newsletter for employees and friends of CREC.

Citrus Leaves welcomes your contributions, suggestions and corrections. Editor, Monica Lewandowski; E-mail mmlew@crec.ifas.ufl.edu; Ext. 1233. Photography, Gretchen Baut; Production and Distribution: Word Processing, Barbara Thompson, Supervisor; Kathy Snyder, Karla Flynn and Linda Murphy; Customer Service, Kathy Witherington, Supervisor, and Nancy Burke.

Citrus Disease Hotline

Dr. Pete Timmer posts timely news on citrus diseases, the status of the bloom and other relevant news on a toll-free hotline sponsored by Syngenta Crop Protection (1-866-365-3017).

Information on postbloom fruit drop, Alternaria brown spot, scab and other diseases is available on Timmer's citrus pathology website (www.crec.ifas.ufl.edu/timmer), including online tools to aid growers in determining need and timing of sprays for PFD (PFD-Fungicide Application Decision System) and Alternaria (Alter-Rater).

Citrus Disease Hotline
1-866-365-3017

Marketing Matters

Don Poucher (upper left), Kimberly Mansfield (upper right) and Liz Felter (lower right) presented a marketing workshop at CREC on Jan. 30 to UF/IFAS

faculty and those associated with public-relations departments. The workshop was intended to provide an introduction to marketing - what it is, how and why to do it. Nationwide, universities have adopted marketing strategies and commercial techniques that are a standard part of the business world - all to increase public awareness, enhance their image and generate more support. "We have found that IFAS programs are well known, but they're not well-known as IFAS programs," said Don Poucher, Assistant Vice-President of Marketing and Communications. Liz Felter suggested that marketing strategies can be as simple as wearing a nametag or placing the UF/IFAS logo on the first and last slide of Powerpoint presentations to identify who you work for. Don Poucher is the Assistant Vice President of Marketing and Communications for UF/IFAS, Liz Felter is the Associate Director, and Kimberly Mansfield is Marketing Coordinator. They are planning similar workshops at other RECs around the state.

UF/IFAS Marketing and Communications
website: externalrelations.ifas.ufl.edu

Download UF/IFAS logos:
ics.ifas.ufl.edu/wordmarks



This is the correct UF/IFAS wordmark, or "logo." If you need a BW or color file, contact Gretchen Baut (X1270 or gac@crec.ifas.ufl.edu) or Monica Lewandowski (X1233 or mmllew@crec.ifas.ufl.edu). The correct designation is University of Florida/IFAS or UF/IFAS Citrus Research and Education Center.

Flower Bud Induction Advisories

Dr. Gene Albrigo posts flower bud induction information and advisories for citrus growers on CREC's website:

www.crec.ifas.ufl.edu/CRECHOME/Flowerbudinduction.htm

Florida Citrus Hall of Fame

Lorin T. Bice (deceased) of Haines City, C. Elton Crews of Avon Park, Donald M. Lins (deceased) of Tampa and Bert E. Roper of Winter Garden were selected for induction into the Florida Citrus Hall of Fame. The induction ceremony is March 26 at the Annual Government Day Luncheon at the Nora Mayo Hall in Winter Haven, co-sponsored by the Florida Department of Citrus and the Florida Citrus Showcase.

State Workers Fired For Canker Violations

Two state Florida Dept. of Agriculture workers were fired for violating citrus canker decontamination rules. According to newspaper reports, the two workers did not spray themselves after inspecting yards and supervising cutting crews.

CREC employees are reminded that if you work with citrus materials or tissue, or enter greenhouses or groves, you must follow regulations on decontamination/disinfestation of vehicles, tools, equipment and personnel working to prevent the spread of citrus canker and other pests and diseases. There are also strict limitations on the movement of fruit off Center. Dr. Timmer has a sprayer and disinfectant if you need to borrow one. If you have any questions, please contact Dr. Pete Timmer or Dr. Chung.

UF/IFAS Citrus Pest Management Guide for decontam/disinfection guidelines:
edis.ifas.ufl.edu/CG040

FL Dept. of Agriculture & Consumer Services: doacs.state.fl.us/canker
For quarantine maps: doacs.state.fl.us/canker/maps.htm

Photos of citrus canker symptoms:
doacs.state.fl.us/canker/photos.html

Better Business - From the Business Office

Tips that pertain to UF/IFAS Business:

International Travel

Travel Authorization Request must be turned in to Pam Holderman 6 weeks prior to trip.

SHARE

SHARE (Special Help for Agricultural Research and Education) requests that secondary-memberships and subscriptions pay directly to the vendor with their original invoice. Please submit all secondary-memberships and or applications for professional organizations to Patti Hanna.

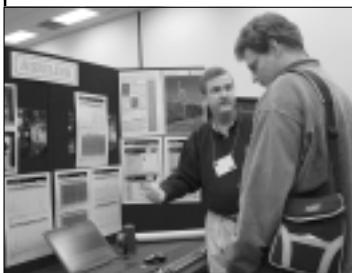
Purchase Orders

When requesting Purchase Order numbers for equipment over \$1,000, please explain the reason for requesting the equipment and its proposed use, and where the equipment will be located (Building and Room #).

Tools of the Future . . .

Computers and satellites?

Over 140 people attended the Precision Agriculture for Florida Citrus II at CREC on Jan. 21. Precision ag utilizes computers, geographic information system and global positioning system technology to collect and utilize data on everything from yield and soil characteristics to tree size and labor records. At CREC, engineers and scientists from various disciplines are working to adopt precision ag, currently used in row crops, for citrus. The collaboration includes citrus growers and precision ag businesses as well as researchers with expertise in horticulture, engineering, soil science and citrus nutrition. At CREC, the following people are involved in precision ag research: Dr. Bill Miller, Dr. Masoud



Left photo: **Chet Townsend** (left) talks to **Stuart Pocknee** (from NESPAL experiment station in Georgia) about the Agrilink irrigation management system. The system uses probes, placed throughout a grove, to track soil characteristics and schedule irrigation. Townsend and other businesses demonstrated precision ag products and services to over 140 participants at the workshop.



Above left: **Dr. Masoud Salyani** presents a seminar about variable rate technology, or VRT. With VRT, sprayers and other farm equipment can be set to apply different amounts of chemicals, depending on the size and needs of individual trees or areas.

Above center: **Dr. Bill Miller**, the workshop's lead organizer.

Salyani, Dr. Arnold Schumann, Prof. Emeritus Dr. Jodie Whitney, Prof. Emeritus Dr. Adair Wheaton, Dr. Qamar Zaman, Dr. Hong Li, Dr. Jim Syvertsen, Jill Dunlop, Dr. Brian Wei, Sherrie Buchanon, Sharath Cugati, John Roegner and Kevin Hostler. *Photos by Gretchen Baut and Monica Lewandowski.*



Above: Perhaps the banner for Raven Industries says it all. Precision ag is widely used in row crops and is now being adapted for citrus.



Above: **Dr. Jodie Whitney**, CREC Professor of Emeritus, speaks to fellow ag engineer **Dr. Daniel Lee** from the UF Dept. of Agricultural and Biol. Engineering.



Above left, **Dr. Michael Simms** (U.S. Sugar) speaks to a representative from Helena Chemical. Dr. Simms was formerly a post-doc at CREC in Dr. Childers' lab.



Above left, **Sherrie Buchanon** (from Dr. Miller's lab) speaks to Kevin Crisp from Raven Industries.

Below left, **Dr. Brian Wei** (former post-doc, Dr. Salyani's lab) visits the AutoFarm booth.



UF Bridges . . . from page 1

to log onto computers as a sort of "time-clock" procedure, although that may be an option. As a disclaimer, I will say that the software is currently under development, so anything is still possible. Flexibility is being built into the system, however, so depending on the employee or department, you may be handling timekeeping similar to current procedures,

One thing is certain: UF employees will need to establish a Gatorlink account by mid-June: www.gatorlink.ufl.edu or call the UF Computing Help Desk: 352-392-HELP

or you may be entering time and leave into a computer instead of on paper - and these are just examples. Again, nothing is yet final, and training will be provided on the new systems.

One thing is certain: UF employees will need to have a Gatorlink account for payroll purposes - faculty, staff, OPS, everyone - by mid-June. But do not wait until June! It is expected that thousands of UF employees wait to establish Gatorlink accounts at the last minute. This will surely overload

the system. Avoid heartache and establish your Gatorlink account now! It is easy and free (note: a Gatorlink account is *not* the same thing as a GatorOne ID card). Visit www.gatorlink.ufl.edu or call the UF Computing Help Desk: 352-392-HELP.

Visit: My.UFL.Edu

Enter your user ID and Gatorlink password to see basic records, current events and other UF information. Familiarize yourself with the system; future UF employee business will be conducted largely through my.ufl.edu.

CREC's CompuColumn

Tips and tricks and helpful hints . . .

From . . . "crec.ifas.ufl.edu"

When you send e-mail, your "From" address is automatically set by your e-mail client (Outlook Express, Outlook, etc.). For UF/IFAS users, check to see that your "From" address is set to the new "**username@crec.ifas.ufl.edu**", rather than the old "lal.ufl.edu". This will help propagate the new address to all your correspondents, since it normally results in the new address being entered into their address books when they reply to your e-mail.

In Outlook Express:

Go to Tools->Accounts->Mail. Select your CREC account from the list (in most cases, it's the only one), click on Properties. On the General tab, in the "E-mail address" box, edit the address, if necessary. Click OK, Close to get out of the applet.

In Outlook:

Go to Tools->E-Mail Accounts, View or change existing e-mail accounts, Next. Select your CREC account from the list (in most cases, it's the only one), click Change. Under User Information, in the E-mail box, edit the address, if necessary. Click Next, Finish to get out of the applet.

Your e-mail . . . from any PC

To access your e-mail when off-Center, Outlook Web Access (OWA) allows UF/IFAS users to use e-mail via the internet. To use OWA,

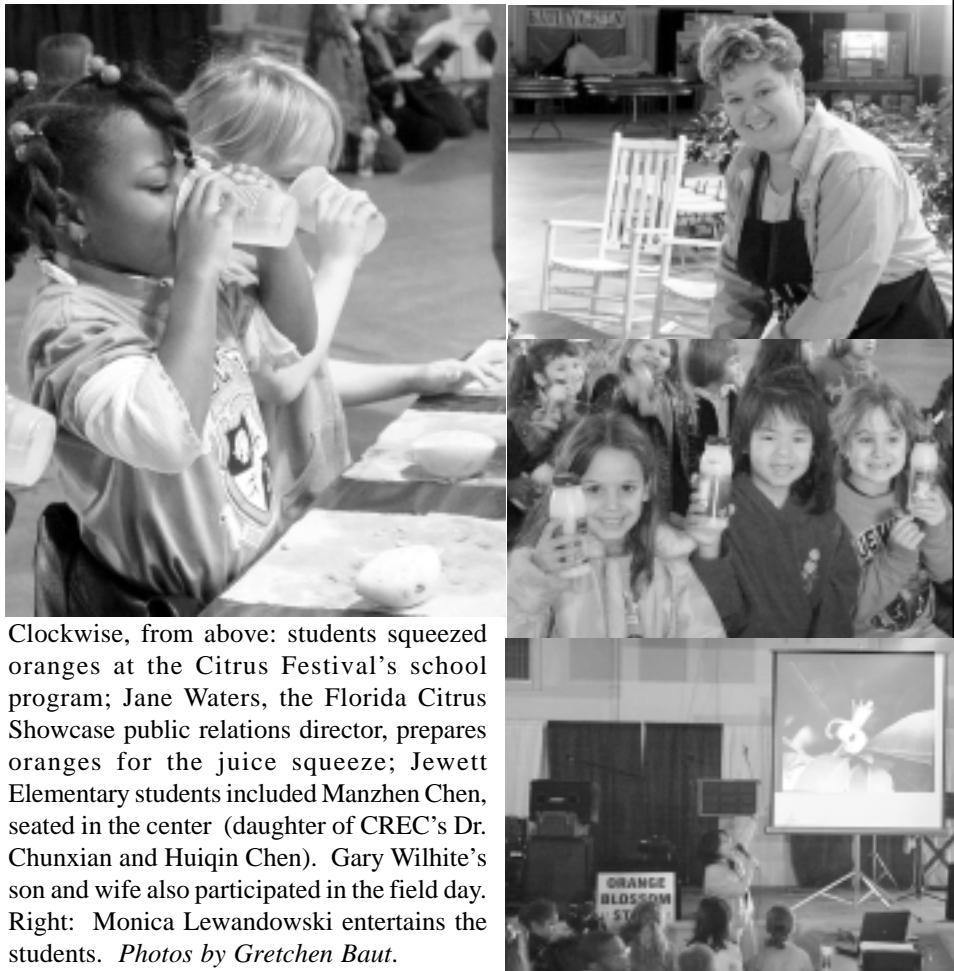
- 1) Go to the CREC Web page (www.crec.ifas.ufl.edu);
- 2) Click on the "Staff Email Access" link on the lower left;
- 3) Enter your username, password, and domain (CREC) as if you were logging on to the network.

Note: if your office computer is on and your e-mail is open, you will not be able to view it through OWA. If you have questions, contact our Information Support Department at isd@crec.ifas.ufl.edu.

Florida Citrus Festival

The Florida Citrus Festival, Jan. 15-25 in Winter Haven, is a major event and fundraiser for the Florida Citrus Showcase, an organization involved in promotional activities for Florida citrus. Jane Waters, the Showcase's public relations director, and Bobby Fuqua, the Showcase Executive Director, have implemented some new educational programs, including field trips that brought elementary students to the Citrus Festival to learn about citrus.

Dr. Monica Lewandowski and Gretchen Baut participated in the school program on Jan 16. Over 150 students visited the Festival in the morning, before it was open to the public, from schools in Winter Haven (Jewett Elementary), Fort Meade and Lakeland. Monica and Gretchen developed a program that included songs, a story and a Powerpoint presentation, "Citrus . . . A - Z!" The students also squeezed orange juice and were entertained by Irving the Clown and a magician.



Clockwise, from above: students squeezed oranges at the Citrus Festival's school program; Jane Waters, the Florida Citrus Showcase public relations director, prepares oranges for the juice squeeze; Jewett Elementary students included Manzhen Chen, seated in the center (daughter of CREC's Dr. Chunxian and Huiqin Chen). Gary Wilhite's son and wife also participated in the field day. Right: Monica Lewandowski entertains the students. *Photos by Gretchen Baut.*

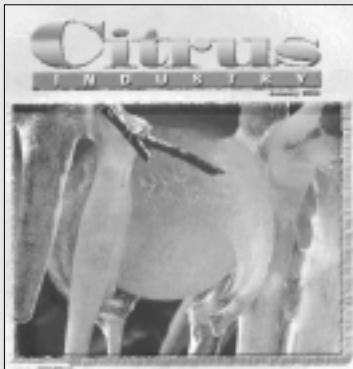
Florida Agriculture Literacy Day

Florida Ag in the Classroom, Inc. and the Florida Dept. of Agriculture and Consumer Services have declared March 16 as Florida Agriculture Literacy Day.

On this day, friends throughout Florida's ag industry are asked to go to an elementary classroom, read a selected book about farming and talk to students about the importance of Florida agriculture. Two books have been designated: *Tops and Bottoms* by Janet Stevens (Pre-K to 2nd grade) and *Farming* by Ann Love and Jane Drake (3rd-5th grades). Books will be provided free to those who register by Feb. 20. Registration forms are available on the

bulletin board outside the Mailroom, or online at www.fl-ag.com/faict. It is the responsibility of the participants to contact a local school and set up a visit. If interested, Monica Lewandowski has citrus and/or CREC-themed coloring pages, word searches and crossword puzzles (call Ext. 1233 or e-mail mmlew@crec.ifas.ufl.edu)

Florida Ag in the Classroom provides resources and support for ag education, funded in part by the Florida agriculture license plates - the "Ag Tag." Lisa Gaskalla is the Executive Director.



Cover Photo

The cover of the February issue of Citrus Industry magazine was submitted to their "Cover Photo" context by Dr. Filomena Valim, which was an ice-covered orange photographed by her husband, Marco. Citrus Industry magazine regularly seeks cover photos as well as "fun" photos.



Paul Winniczuk (pronounced WIN-a-chuck) was recently hired to manage a USDA grant for Dr. Mickey Parish on the safety and security of foods transported in tanker trucks. Paul brings to CREC extensive technical and managerial experience from decades of employment in the food processing industry.

Careers and More Careers

Girls Invent the Future

Dr. Monica Lewandowski spoke to over 60 seventh-grade girls about science careers at the McKeel Academy for Technology in Lakeland on January 19. Monica gave five presentations throughout the day, speaking to girls about CREC programs and discussing programs in food science, horticulture, marketing and plant pathology. She showed the students everything from pommelos and kumquats to "glowing" plants (tobacco plants infected with tobacco mosaic virus, tagged with a green fluorescent protein) - hoping to give them some insight into the variety of careers in science and related fields. The event was part of the Girls Scouts of America "Girls Invent the Future" campaign.

UF CALS Career Day

Dr. Monica Lewandowski represented CREC at the UF College of Agriculture and Life Science Career Day on the Gainesville campus on Feb. 4. UF students were invited to speak with representatives about career and graduate opportunities. Several UF departments were represented as well as ag-related companies and businesses. Monica collected a few resumes; if you are interested, they are available for your examination in the CREC Personnel Office.

Photo Corner

What is "Color Fading?"

Some colors appear faded when projected onto a wall (or on film). Your Powerpoint presentation may look superb on your computer monitor, but these same colors may look "faded," or pale, when projected by a computer projector onto the wall. Consequently, some text and diagrams may be hard to see during your actual presentation. To be sure - check it out ahead of time - Sandy Hatch in audio-visual (Ext. 1220 or ash@crec.ifas.ufl.edu) will gladly set up a computer projector for you to preview your presentation in BHG

Don't Distort

To resize photos in Powerpoint (and many other programs), click on the photo to select it and "grab and hold" one of the black boxes on a corner. **Press and hold** down the shift key and drag the photo in and out (while still pressing the shift key) to the desired size. Pressing the shift key will keep the photo at the same dimensions - that is, it won't get too thin or wide and become distorted.



Travels

Dr. Robin Stuart recently attended the "International Workshop on Entomopathogenic Nematodes and their Bacterial Symbionts" in Eilat, Israel, November 18-20. At the workshop, he presented a poster reporting some of the work he's been doing with Dr. Clay McCoy and Dr. David Shapiro-Ilan (formerly at CREC, now at the USDA in Byron, GA) on improved strains of nematodes for biological control of *Diaprepes abbreviatus* in Florida citrus.

On his way to Israel, Robin stopped off in Egypt for some vacation time, visited Cairo, Luxor, and Aswan, and toured various historic sites including the Great Pyramids, the Valley of the Kings, and Abu Simbel. He then took a ferry across the Gulf of Suez to the Sinai, a bus up the coast of the Gulf of Aqaba to Taba, and walked across the border into Israel. Dr. Stuart describes his holiday as interesting and exciting. Below, Dr. Stuart takes in a camel ride while visiting the Great Pyramids of Egypt.



ISC Xth Congress

The Xth Congress of the International Society of Citriculture (ISC) is

February 15-20 in Agadir,

Morocco. Several participants from CREC will be on hand to present research and participate in Congress events, including symposia, poster sessions, oral sessions and tours of Morocco's citrus region. The ISC Congress is held every four years; the next Congress is scheduled for 2008 in China. For this year's program, visit: www.crec.ifas.ufl.edu/ISC_Citrus_homepage.htm



NEWS AROUND CREC

UF/IFAS CREC Website is WWW.CREC.IFAS.UFL.EDU

Please transition users to this new address. The www.lal.ufl.edu website is still online.

UF/IFAS CREC e-mail addresses are now ...

username@crec.ifas.ufl.edu

E-mail messages sent to the old @lal.ufl.edu addresses will be forwarded in the foreseeable future, but if your e-mail address ends in @lal.ufl.edu, you should transition to the new domain.

GRADUATE STUDENT ASSISTANTSHIPS –

Florida Department of Citrus and UF/IFAS Citrus Research and Education Center - full-time PhD level research Assistantship in the UF/IFAS Horticultural Sciences Department. The project will combine post-harvest physiology with genetics. The graduate research will focus on determining the genes/pathways involved with ethylene-induced de-greening of fresh citrus fruit, as necessary for subsequent genetic manipulation of this trait to improve color development in poorly responding cultivars.

Stipend: \$15,000. The position provides a waiver of out-of-state tuition. Application Deadline: March 15, 2004. Please send a letter of interest, resume, copy of transcripts, GRE/TOEFL scores, and 3 letters of recommendation to: Dr. Mohamed Ismail or Dr. Jude Grosser at CREC.

Dr. Michael Rogers . . . from p. 1

lead role in our entomology outreach program," said Dr. Harold Browning, CREC Center Director. "Michael was selected from a strong pool of candidates for this position and we feel fortunate to have him bring new ideas and skills to our Center.

A native of Cleveland, Tennessee, Dr. Rogers is eager to embark on his work in citrus. He and his wife, Hannah, live in Lakeland.

Dr. Michael Rogers:

Office: Room 24, Building 35 (in the "breezeway" of the "Entomology" building)

Tel. extension: 1224

E-mail: mrogers@crec.ifas.ufl.edu

Dr. Jackie Burns has a graduate assistantship at the M.S. or Ph.D. level available in projects related to citrus harvesting and abscission. Opportunities exist for collaborative projects and to work with citrus industry leaders. For more information, contact Dr. Burns at jkbu@crec.ifas.ufl.edu, or visit the citrus abscission website: www.crec.ifas.ufl.edu/abscission

Metrohm-Peak Demos, Feb. 24

Michael McClean from Metrohm-Peak will present information on "Chromatography and Electrochemistry: Useful Analytical Tools for Citrus Research," Feb. 24, 10 am - 12 pm in the BHG Teaching Lab. Topics to be covered include:

Dr. Noling Seminar Feb. 17

Dr. Joseph W. Noling
UF/IFAS Professor of Nematology
Tuesday, Feb. 17
11 a.m. - 12 pm (10:45 am, refreshments)
CREC, BHG Room 1

Integrated Nematode Management - The Need for a Systems Approach to Replace Methyl Bromide -

This seminar will provide a basic overview of recent research efforts to identify and evaluate alternatives to methyl bromide for nematode management in Florida fruit and vegetable crops. The basic elements and outcomes of a research program to develop a more integrated pest management program to replace methyl bromide will be presented, including discussion of the importance of multiple pest interactions, new field monitoring protocols under development, and biologically and culturally integrated management strategies.

All personnel welcome; the public is invited.

- Determining Low Levels of Anions and Cations in Fruit Juices,
- Matrix Elimination by Dialysis and Other Techniques,
- Carbohydrate Identification and Quantification by Pulsed Amperometric Detection,
- High Capacity Ion Exchange Columns. Metrohm-Peak specializes in ion exchange chromatography systems (www.metrohm-peak.com). All welcome.

Publications Submitted to the Publications Committee in January

S. H. Futch, J. D. Whitney, J. K. Burns and F. M. Roka. From Manual to Mechanical Harvesting. *Citrus Industry Magazine*.

L. W. Timmer, L. G. Albrigo, and N.A.R. Peres. Weather, Disease Models, and Fungicide Application. *The Florida Grower*.

J. Wei and M. Salyani. Development of a Laser Scanner for Measuring Tree Canopy Characteristics. *Transactions of the ASAE*.

S. N. Mondal, D. S. Howd, R. H. Bransky, and L. W. Timmer. Heterothallism and Pseudothelial Development in *Mycosphaerella citri*, the Cause of Citrus Greasy Spot. *Phytopathology*.

J. P. Syvertsen, J. L. Jifon, C. Goni, and A. Otero. Shade Effects on Citrus Leaf Gas Exchange, Fruit Yield, and Quality. *Proceedings of the International Society of Citriculture, 2004*.

Q. Zaman and A. W. Schumann. Spatial Variation in Soil Properties and Tree Performance to Develop Site-Specific Management Zones. *Precision Agriculture*.

B. R. Bondada and J. P. Syvertsen. Starch Accumulation Can Reduce Chlorophyll Concentration and CO₂ Assimilation in Nitrogen Deficient Citrus Leaves. *Annals of Botany*.

Eric Whaley (CREC - Plant Improvement) has a publication in press, from prior work:

John J. Read, Eric L. Whaley, Lee Tarpley, and K. Raja Reddy. Evaluation of a Hand-held Radiometer for Field Determination of Nitrogen Status in Cotton. 2003. Digital Imaging and Spectral Techniques: Applications to Precision Agriculture and Crop Physiology. ASA Special Publication No. 66.

CREC Welcome

Dr. Amer Fayad - Visitor Brlansky
 Kenneth Hagan - OPS (Dr. Albrigo)
 Erfun Zhou - Visiting scientist (Dr. Chung)
 Dr. Michael Rogers - UF/IFAS faculty
 Paul Winnicuk - (Dr. Parish)



Dale Price (Personnel) with his granddaughter, Leilani, born Dec. 23 (the first grandchild for Dale and his wife, Binnie Jean). Leilani was “the best Christmas present,” says Dale.

Farewell

Samuel Luther - OPS (K. Morgan)
 Dr. Jianto “Brian” Wei - Dr. Salyani
 Dr. Jaime Cubero - postdoc (Dr. Graham)
 Davy Meadows - OPS (Dr. Zhang)



Above: **Dr. Jianto “Brian” Wei**, left, with **Dr. Qamar Zaman** at the Precision Agriculture for Florida Citrus II workshop on Jan. 21. Dr. Wei has a new job with John Deere in Iowa.

Left photo: **Dr. Jim Graham** (left) watches **Dr. Jaime Cubero** (center) and **Dr. Maria Angeles Aylon** at Dr. Graham’s home in December. Dr. Cubero was a post-doctoral scientist in Dr. Graham’s lab and his wife, Dr. Aylon, was a post-doc in Dr. Bill Dawson’s lab. They have assumed positions at a university in their home country, Spain.

Congratulations to **Jessica Cook**, former CREC employee from Dr. Graham’s lab, gave birth to twin girls, Jaeda Faith and Laila Hope, on Jan. 14. Mom and the twins are doing well.

Diaprepes Task Force Annual Meeting - March 4 - USDA Ft. Pierce

March 4, 9 am - 4 pm. USDA-ARS U.S. Horticultural Research Laboratory, 2001 South Rock Road, Fort Pierce, FL 34945;
 Tel. (772) 462-5914. UF/IFAS contacts: Dr. Larry Duncan and Dr. Clay McCoy.

Program:

9:00 a.m. Welcome and Introductions - Garvie Hall, Constance Riherd, Co-Chairs Diaprepes Task Force

Resistant Rootstocks: Status and Prospects

9:15	Rational and Strategies in Breeding Programs	James H. Graham, Pathologist
9:25	Status of Conventionally Bred Rootstocks	Kim Bowman, Research Geneticist
9:45	Status of Somatic Hybrids and Tetrazygs	Jude Grosser, Research Geneticist
10:05	<i>Bacillus thuringiensis</i> strains for use against <i>Diaprepes abbreviatus</i>	Allen Weathersby, Entomologist
10:20	BREAK	
10:35	Genetic transformation to control <i>Diaprepes abbreviatus</i>	Randy Niedz, Research Geneticist

Progress in Biological Control

10:50 Status of Introduced Parasitoids Jorge Pena, Entomologist

Summary and General Discussion

11:05 Lunch

1:00 Poster Session

2:00-4:00 **Working Group Meetings:** Host Plant Resistance, Biological and Cultural Control Tactics
 Convener: Larry Duncan and Steve Lapointe

50th Annual Citrus Engineering Conference - American Society of Mechanical Engineers - Florida Section

March 18, CREC. Registration 8:00 a.m.; program at 9:00 a.m. Advance registration \$50. www.asme.org/sections/florida/citrus.htm
 Program speakers and topics:

“Packaging for citrus juices” – Dr. Jean-Pierre Emond, Packaging Science Courtesy Professor, University of Florida

“3-A Sanitary standards applied to juice processing” – Tim Rugh, Executive Director, 3-A Sanitary Standards, Inc.

“World class standards for ammonia refrigeration systems” – Joe DeMarco, PE. Engineering Manager, Tropicana Products, Inc.

23rd Citrus Engineering Award. Jay Oliver, Manager, C.I.G. Accounts, Progress Energy

“Integration of statistical process control” – Jim Redifer, Rockwell Automation

“Engineering solutions for lightning and surge protection” – Paul Gates, CEO, TEAMWORK

“Successful CIP” – Cliff Vaughn, Engineering Project Manager, JohnsonDiversey Inc.

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
February 2004						
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	Adv Citr II Course	Demos Metrohm	Flavor Tech Course	Plant Path & Friends		

All events subject to change.

11 - Florida Rural Water Assoc. Focus on Change seminar.

17 - Seminar, Dr. Joseph Noling: Integrated Nematode Management - The Need for a Systems Approach to Replace Methyl Bromide. BHG-1, 11 am - 12 pm (refreshments, 10:45 am). Open to the public. See page 6 for presentation overview.

24 - Michael McClean, Metrohm-Peak. Seminar and demos: "Chromatography and Electrochemistry: Useful Analytical Tools for Citrus Research." BHG Teaching Lab, 10 am - 12 pm. See page 6 for list of topics.

Classes at CREC this semester:

Flavor Chemistry & Technology, Dr. Rouseff, Thursdays, 4-8 p.m., BHG Teaching Lab. Advanced Citriculture II, Dr. Albrigo. Mondays, 4-7 p.m. BHG Conf. room.

*Plant Path and Friends informal seminars. Speakers sought; topics open and not limited to plant pathology. Students, post-docs and visiting scientists encouraged.

Fridays, 11 a.m. - 12 p.m., BHG Teaching Lab. Contact: Dr. Chung.

Upcoming:
 March 4 - Diaprepes Task Force Scientific meeting, USDA-ARS Ft. Pierce
 March 18 - 50th Annual Citrus Engineering Conference, CREC.
 March 16 - FAS-2 workshop (UF/IFAS Faculty Accountability System 2)

BLOODMOBILE at CREC: March 3, June 9, Aug. 12 and Nov. 23