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# Citrus Leaves

# November 2004

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

Volume 22, No. 11

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### Large Citrus Canker Outbreak in SW Florida

One of the largest citrus canker outbreaks in Florida was discovered in Charlotte County

See Page 2

## 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](mailto:mmlew@crec.ifas.ufl.edu); Ext. 1233. Photography and graphics, 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.

## From the Director

### Calmer weather ahead, for now

The hurricanes that impacted Florida this summer are now behind us and we can reflect on how they affected our CREC community. While virtually everyone was affected personally by the storm, we can be thankful that more damage and injury did not result from three historic storms in the Florida peninsula.

We also can reflect on the amount of preparation that occurred for each of the storms, and the efforts of many who assisted during and following the hurricanes to restore power and other services to the Center and to all of us. At

## CREC's End-of-Year Centerwide Meeting and Holiday Party Dec. 17

**4:00 p.m. - Centerwide meeting, BHG 1 and 2**

Employees of the Year Awards  
 Recap of the year in video and pictures  
 All personnel invited

**6:00 p.m. - Holiday party - BHG**

All current and former CREC employees and their families/guests are invited!  
 Dinner will be served at 6:45 p.m.

Main dish and beverages provided; please bring a side dish or salad (international dishes encouraged!)

Enter our **dessert contest!**  
 Details TBA.



New this year! **A table decorating contest!** Individuals, groups or labs can decorate a table. Call Ext. 1270 for details.

This is a fun, informal get-together with friends and family. Kids games, too!

*This year's host is CREC's Administrative Infrastructure*

## Upcoming Holidays 2004

- Thanksgiving Holiday, November 25 and 26
- Christmas Day (observed), December 24
- New Year's Day (observed), December 31

the local level this summer, there were outstanding contributions by many of our staff. I would like to personally thank the CREC maintenance staff under the leadership of Roxy Hoover and Dan Tuzzolo. Through all of the hurricanes, the maintenance staff, including janitorial and grounds groups, prepared the Center for the predicted weather, not only preparing the facilities, but assisting faculty and staff with equipment and other issues and preparing the Ben Hill Griffin Auditorium for use as an employee shelter. Once the storms passed, members of the maintenance group were here at CREC to evaluate damage and make emergency repairs. With numerous power outages, the maintenance group worked with other members of CREC to provide alternative power and in some cases, dry ice to maintain important research program resources. Observing the coordination of faculty and their staff with staff from the infrastructure to solve problems during a difficult time was indication of the commitment of the community.

Fortunately, these events are uncommon, and we don't anticipate this kind of hurricane swarm again, or at least not soon. However, we learned a lot from the preparation and response associated with them this season, and will use these experiences and plans to remain prepared to respond in the future when necessary. Please join me in thanking those who dedicated themselves to the Center's safety and security

*see From the Director, p. 4*

## UF Paycheck Stubs Online

UF employees are reminded that "paycheck stubs" are available only online. Log onto [my.ufl.edu](http://my.ufl.edu), pull down the "My Self Service" menu, then click on the "Payroll and Compensation" link to view deductions, leave status and other information.

## Search Goes On . . .

CREC is currently interviewing for two faculty positions: an agriculture engineer in the area of precision agriculture and mechanical harvesting that will be affiliated with the UF/IFAS Agricultural and Biological Engineering Department, and a food process engineer that will be affiliated with UF/IFAS Food Science and Human Nutrition. One more candidate seminar remains; all personnel are welcome.

### Thursday, Nov. 18

**Dr. Eric Roe**, Project Manager, College of Engineering, University of South Florida. Candidate for the food processing engineering faculty position at CREC. BHG 1, Seminar: "Vibrofluidized Bed Drying - Exploring An Alternative Citrus Feed Mill Process."

11:00 a.m. – 12:00 p.m. (refreshments, 10:45 a.m.)

### Dr. Trotter Memorial

Dr. Gene Trotter, Assistant Vice President of IFAS/SHARE (Special Help for Agriculture Research and Education) development died of leukemia on Nov. 1. Prior to joining the SHARE office this summer, Dr. Trotter directed the Wedgworth Leadership Institute for Agriculture and Natural Resources, a leadership program for the ag industry. SHARE receives and manages private support for IFAS as part of the non-profit University of Florida Foundation, Inc. The family has requested that donations be sent to the UF Foundation-SHARE for the Dr. Gene Trotter Memorial Leadership Scholarship, P.O. Box 110170, Gainesville, FL 32611.

### Dallas Townsend Retires

Dallas Townsend, Hendry County Extension Director, retired Nov. 1.

### CCAs at CREC

CREC held a Certified Crop Adviser (CCA) educational seminar on Oct. 13. The one-day seminar offered seminars in crop management and soil and water management to fulfill continuing education requirements

for the certified crop adviser license. CREC speakers included Dr. Bill Miller on precision agriculture, Dr. Richard Buker on



hurricane recovery for citrus (right), and Dr. Monica Lewandowski

on genetically-engineered crops. For more information on the CCA program, visit the national CCA website at [cca.agronomy.org](http://cca.agronomy.org).

### Citrus forecast

The USDA citrus crop forecast was released on October 14 with an estimate of 176 million boxes of oranges. Last year's production was a near record 242 million boxes. "The low estimate reflects the crop damage citrus growers experienced during the recent hurricanes, said Andy Lavigne, executive vice-president/CEO of Florida Citrus Mutual. "Because the industry has a large amount of juice in reserves, we don't expect an impact on the availability of orange juice to consumers." The grapefruit estimate is 15 million boxes, a 63 percent decrease from the 40.9 million boxes produced last season. An updated estimate was scheduled for release on November 12. For a full report, visit the National Agricultural Statistics Service website at: [www.nass.usda.gov/fl/rtoc0ci.htm](http://www.nass.usda.gov/fl/rtoc0ci.htm).

### Seminars

**Dr. Richard Buker** presented a seminar at CREC on Oct. 7, "How can expertise in Agricultural Education improve your Research and Extension program?" Dr. Buker is Assistant Professor of Horticulture and Extension Specialist with statewide responsibilities for Extension and communication in citrus production.

**Marty Dekkers** presented a seminar as part of the CREC's Plant Path and Friends weekly seminar series on Oct. 8: "Finding ways to induce plant defenses against bacterial canker."

**Dr. Chunxian Chen** presented a seminar as part of the CREC's Plant Path and Friends weekly seminar series on Oct. 22: "Free Bioinformatics Tools: Introduction and Application."

### Hurricane Recovery

CREC and UF/IFAS are working with the

citrus industry to provide information on hurricane recovery, hold educational seminars as well as document and track recovery progress in commercial groves. Information is posted on the CREC website.

### Flower Bud Induction

**Dr. Gene Albrigo** posts information and advice on citrus flowering for citrus growers on the CREC website:

[www.crec.ifas.ufl.edu/CRECHOME/Flowerbudinduction.htm](http://www.crec.ifas.ufl.edu/CRECHOME/Flowerbudinduction.htm)

### Citrus Canker

One of the state's largest citrus canker outbreaks was discovered in recent weeks in Charlotte County. It is believed that Hurricane Charley was a major factor in the spread of the citrus canker bacteria. Over 11,000 infected trees in a commercial grove were found. All infected trees, and trees within a 1900-ft. buffer zone must be removed by state officials. In total, over 110,500 trees were eradicated, encompassing 850 acres.

Citrus canker was also found in several residential properties in Punta Gorda in October, and several residences in Osceola County.

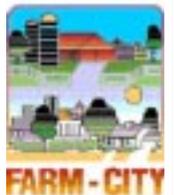
CREC personnel are reminded that there are strict state regulations on decontamination of tools, equipment and personnel for those who work with citrus, or enter a grove or citrus greenhouse. There are also restrictions on the movement of fruit and plant material off the Center. For more information, contact your supervisor or Dr. Pete Timmer.

For more information, visit [www.doacs.state.fl.us/canker](http://www.doacs.state.fl.us/canker).

### Farm City Week

Nov. 19-25, the week before Thanksgiving, is National Farm City Week.

The week is salutes the nation's farmers and producers. Ag education events such as field trips, farm tours and luncheons are scheduled nationwide. CREC will participate in Osceola County's Farm City Week event on Nov. 20 with a CREC exhibit at the Osceola Heritage Park.



**Dr. Jim Davidson**, retired UF vice-president of agriculture and natural resources, was one of five people selected for the Florida Agriculture Hall of Fame.

The 55th Annual Citrus Processors Day and Subtropical Technology Conference was held at CREC on Oct. 21. Over 120 people were on hand to learn about research updates in processing.



Above: **Gary Merritt** (left) from FMC FoodTech, and **José Rodriguez** from Brown Citrus Systems served as program moderators.

**Dr. Elizabeth Baldwin**, research leader at the USDA-ARS in Winter Haven, welcomes the crowd.

**Dr. Renée Goodrich** is program organizer for this annual event.



Above, left to right: **Dr. Bill Widmer** from the USDA-ARS Citrus and Subtropical Products Laboratory (Winter Haven) and **Dr. Paul Cancalon** (FDOC), presented research on chemical compounds in grapefruit that can impact the use of certain prescription drugs. Center right, **Dr. Mickey Parish** and **Paul Winniczuk** (far right) presented research on food microbiology and food safety for citrus.



Far left: **Marcela Frata**, a visiting student in **Dr. Russell Rouseff's** lab, discussed research on nucleotides and their possible influence on orange juice flavor; second from left, **Dr. Ozan Gorbus**, a visiting scientist from Turkey at CREC, and **Dr. Kanjana Mahattanatawee**, a postdoctoral scientist at the USDA-ARS in Winter Haven, look over the day's program. Right, **Dr. Gorbus** presents his research on analytical techniques for analyzing compounds in wine.

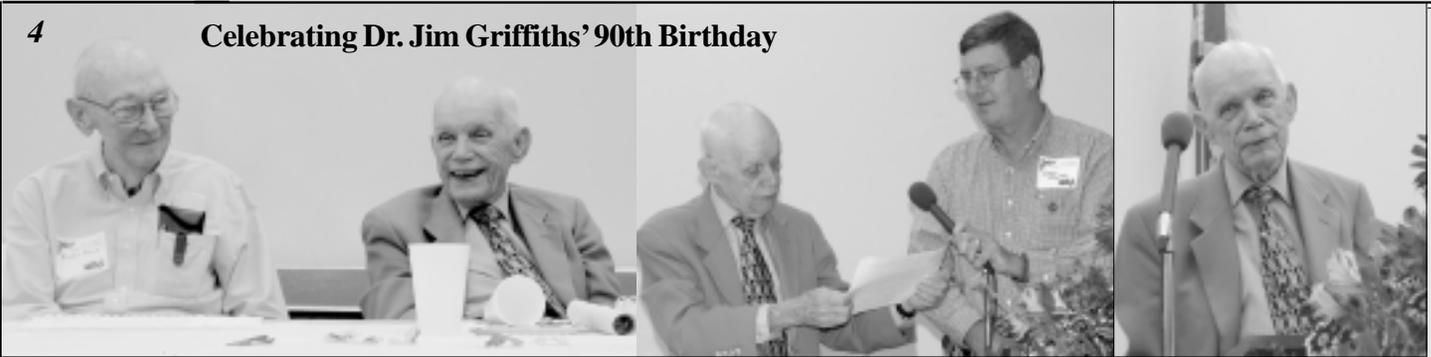


Congratulations to **Wendy Bell**, who completed her M.S. in food science from UF in November. Wendy, who studied with **Dr. Russell Rouseff**, worked for the FDOC at CREC prior to entering graduate school on an FDOC-sponsored assistantship. Wendy investigated the effects of different materials used for the pasteurization (thermal heating) on grapefruit juice flavor. Wendy is headed for a new job at Cadbury Adams in New Jersey, makers of chewing gum (including Trident and Chiclets), breath mints and throat drops.



Above left, **April Elston**, a graduate student in Dr. Rouseff's lab, presented her research on valencene in orange oil; right, Gary Merritt and **Dr. Kevin Gooder** (USDA-ARS) share a discussion on Kevin's research on analytical analysis of compounds in citrus.

**Celebrating Dr. Jim Griffiths' 90th Birthday**



Far left photo: Haines City citrus grower **Buster Pratt** (above left) with **Dr. Jim Griffiths** at fete celebrating his 90th birthday at CREC on Nov. 4. Dr. Griffiths, a citrus grower, is an active spokesman for the citrus industry. Dr. Griffiths is also an entomologist and was a faculty member at CREC from 1949-1951. Center photo: **Dr. Harold Browning** presents Dr. Griffiths with a gift certificate acknowledging over \$800 in gift contributions. Far right: Dr. Griffiths reflects upon his career; 120 people attended the luncheon.



Left: Dr. Griffiths shares a moment with his son, Roger, daughter-in-law, Janice, and granddaughter.

Near right, **Glenn Coppock** was among the several retired CREC faculty members at the luncheon; far right, **Dr. Ivan Stewart**.



Left: **Dr. John Attaway** (standing) was among the several people who shared stories and memories at the luncheon. Center: **Dr. Herb Nigg** recounted Dr. Griffiths' work as a spokesperson for the Florida citrus industry, including issues on pesticides, toxicology, regulations and environmental issues. Far right: **Dr. Bill Grierson**, retired CREC faculty member, recalls Dr. Griffiths' early work on the health effects of parathion. *Photos by Gretchen Baut and Monica Lewandowski.*

**From the Director . . .  
from p. 1**

during the past several months and who assisted in minimizing the negative impacts of these events on all of us.

Looking forward, as we resume "normal" operations, we collectively have an opportunity to assist the Florida citrus industry address their challenges through excellent research and education programs.

**Harold Browning**  
*Center Director*



**Hurricane Jeanne**

Above, an aluminum structure at the intersection of Highways 17 and 92 was crumpled. Above right, after Jeanne swept through, U.S. 27, near Interstate 4, looked like the dirt road it once was long ago.

Below right: roof damage at the McDonald's on Havendale Blvd.

*Photos by Jeanell Pruitt.*





**Dr. Kelly Morgan** will assume a faculty position at the Southwest Florida Research and Education Center in Immokalee as Assistant Professor of Soil and Water Sciences on Nov. 19. Dr. Morgan has served as scientific research manager at CREC, working on the Water Conserv II project to evaluate the use of reclaimed water for crop irrigation. A reception for Kelly will be held on Nov. 18 in CREC's employee break room. *Photo by Gretchen Baut.*

**Collison Brentu** from Ghana is spending six months in Dr. Pete Timmer's lab learning about fungal pathogens of citrus. He is a doctoral student at the University of Ghana in Accra, although he works at an experiment station about 70 miles away. His project is funded by the World Bank. He is studying citrus black spot disease caused by *Guignardia citricarpa*, a newly discovered problem in his country. He is working on *G. mangiferae*, a related non-pathogenic fungus found in Florida, as well as participating in many other activities in the lab. His family in Ghana includes his wife and three children. *Photo by Gretchen Baut.*



## About my home country ... Cuba

Ana Redondo shares photos and history about her hometown, Havana, Cuba

Havana, which is the capital of Cuba, has a colorful and rich history. Cuba was discovered by Christopher Columbus in 1492, and subsequently settled by European settlers. Havana's location at the mouth of Gulf of Mexico made it an ideal port for ships traveling to and from Spain, and it became an important center of trade, as well as a target for pirates. Large numbers of African slaves were brought to Cuba to work in European plantations. After centuries of Spanish rule, Cuba won its independence in 1898 after the Spanish-American war. In 1959, Fidel Castro overthrew the Batista government and came into power. After that, the immigration of Cubans into Florida and the U.S. increased greatly.



Above, Cuba's capital building in Havana. It houses La Republica, the biggest indoor bronze effigy in the world. A 28-carat diamond that marks the center of the city, and the headquarters of the Cuban Natural History Museum are located here.



Above, a map of Cuba. Key West, Florida, is just 90 miles from Cuba.

Right: Some of Havana's beautiful architecture.



**Dr. Sachindra Mondal** from Dr. Pete

Timmer's lab visited Jeju Island, Korea on Oct 16-26 to continue work on a cooperative project with Dr. J.W. Hyun. The program involves the



host range, cytology of infection, molecular characterization of worldwide isolates of *Elsinoe* spp., the causal agent of citrus scab. The project is sponsored by the Rural Development Administration in Korea. Dr. Mondal will present seminars on his research on citrus greasy spot and melanose.

*Photo by Gretchen Baut.*



Cuban natives at CREC include **Ana Redondo** (far left and center), and **Dr. Luis Pozo** (center and far right). Ana and Dr. Pozo both work in Dr. Jackie Burns' lab.

Near right: Fellow Cuban natives include **Pedro Gonzales** and far right, **Carlos Capote**. Pedro works in Dr. Exteberria's lab; Carlos works for Dr. Orbovic in the Citrus Transformation Core Lab.

*Photos by Gretchen Baut.*



We would you like to feature your hometown or home country, near or far! Contact Monica Lewandowski, [mmlew@crec.ifas.ufl.edu](mailto:mmlew@crec.ifas.ufl.edu), or call Ext. 1233.

## Submissions to the Publications Committee in October

- J. Cubero and J. H. Graham.** Quantitative Real Time PCR for Bacterial Enumeration and Allelic Discrimination to Differentiate *Xanthomonas* Strains on Citrus. *Applied and Environmental Microbiology*.
- S. N. Mondal and L. W. Timmer.** Relationship of the Severity of Citrus Greasy Spot, Caused by *Mycosphaerella citri*, to Ascospore Dose, Epiphytic Growth, Leaf Age, and Fungicide Timing. *Plant Disease*.
- C. W. McCoy, R. J. Stuart, M. E. Rogers, H. N. Nigg, and W. S. Castle.** Management of Adult Diaprepes Root Weevil on Citrus with Foliar Sprays of Zeta-Cypermethrin, 2004. *Arthropod Management Tests*.
- M. Choquer, K. A. Dekkers, H.-Q. Chen, L. Cao, P. P. Ueng, M. E. Daub, and K.-R. Chung.** The CTB1 Gene Encoding a Fungal Polyketide Synthase is Required for Cercosporin Toxin Biosynthesis and Fungal Virulence of *Cercospora nicotianae*. *Molecular Plant-Microbe Interactions*.
- M. A. Ayllon, T. Satyanarayana, S. Gowda, and W. O. Dawson.** Variation among Cis-acting Elements Controlling Subgenomic RNA Production by *Citrus tristeza Virus*. *Molecular Plant Pathology*.
- T. Johnston and L. W. Timmer.** Evaluation of Products for Control of Alternaria Brown Spot on Minneola Tangelos, 2004. *Fungicide and Nematicide Tests*.
- T. Johnston and L. W. Timmer.** Evaluation of Products for Control of Citrus Greasy Spot on Red Grapefruit, 2003-04. *Fungicide and Nematicide Tests*.
- T. Johnston and L. W. Timmer.** Evaluation of Fungicides for Control of Alternaria Brown Spot on Nova Tangelo, 2004. *Fungicide and Nematicide Tests*.
- T. Johnston and L. W. Timmer.** Evaluation of Products for Control of Citrus Greasy Spot on Marsh Grapefruit, 2003-04. *Fungicide and Nematicide Tests*.
- T. Johnston and L. W. Timmer.** Evaluation of Products for Control of Citrus Scab on Marsh Grapefruit, 2004. *Fungicide and Nematicide Tests*.
- J. K. Burns, R. S. Buker, and F. M. Roka.** Mechanical Harvesting Capacity in Sweet Orange is Increased with an Abscission Agent. *HortTechnology*.
- W. Guo, Y. Duan, O. Olivares-Fuster, Z. Wu, C. R. Arias, J. K. Burns, and J. W. Grosser.** Protoplast Transformation and Regeneration of Transgenic Valencia Sweet Orange Plants Containing a PME Gene and a GFP Marker Gene. *Plant Cell Reports*.
- G. C. Colburn and J. H. Graham.** Protection of Citrus Rootstocks Against Phytophthora spp. with a Hypovirulent Isolate of *P. nicotianae*. *Phytopathology*.
- K. T. Morgan, J. Scholberg, T. Obreza, and T. A. Wheaton.** Modeling Biomass and Nitrogen Accumulation by Florida Citrus Trees. *Agronomy Journal*.

## CREC Soccer Team

CREC's soccer team is riding a three-game winning streak as it heads into the end of the season and the year-end tournament, in which the league champion is determined. The team competes in the Auburndale Co-Ed Fall Soccer League every Sunday afternoon at Lake Myrtle Park off Berkeley Road in Auburndale. Spectators and fans are always welcome!

Nov. 21 - 3:15 pm Chivas vs. cREC

Dec. 5 - year-end tournament

Game time 1:15 or 2:30 pm

TBD, depending on league standings



The soccer team thanks CREC and Dr. Browning for their support, and John Roegner for providing water and cool towels. It's greatly appreciated!

Photos by Kanjana Mahattanatawee.

## Citrus Health Pest Management Course Offered in the Spring

Thursdays, Jan. 6 – April 28, 2005;  
3 - 6 p.m., BHG Teaching Lab

Graduate-level course (3.0 units) reviews the latest tactics and strategies available to manage diseases and arthropod, nematode and weed pests of citrus. Course coordinator is Dr. Larry Duncan. Regular registration is Jan. 3; \$685.44 for Florida residents. Some employees may be eligible for the UF Employee Education Program.

[distd.ifas.ufl.edu/registration/registration\\_info.html](http://distd.ifas.ufl.edu/registration/registration_info.html)



**Welcome**

Jessica Rini - OPS (Business office)  
Joseph Barnes - student (Photolab)

**Farewell**

to Patti Hanna from the CREC Business office. Patti, who joined CREC in June 2002, is now working for the Dean of UF's International Center, which handles UF Study Abroad, immigration for students, faculty and scholars, as well as various global programs. It's a homecoming for Patti, who worked for over 20 years in the UF College of Medicine's Department of Obstetrics and Gynecology as an accountant and network administrator. We wish her the very best!



Congratulations to the Winter Haven High School "Pride of Winter Haven" Marching Band and Devilettes Auxilliary won Grand Champion (first place) in invitational competitions in Naples on Oct 9 and in Plant City on Oct 16. On Oct. 23, the band received straight superior ratings (the highest rating) at the Florida Bandmasters Association District 12 Marching Band Assessment in Winter Haven.



Corey Jones (right), son of Shelley Jones, is a trombone player in the band. Natasha Winniczuk, daughter of Paul Winniczuk, is the Devilettes captain (pictured above). Natasha was one of five girls from Winter Haven High School selected to perform in the Macy's Day Parade in New York City, so look for her on TV on November 25! The band is also preparing for a trip to Indianapolis in March. Shelley works in Dr. Bob Braddock's lab, and Paul works with Dr. Mickey Parish. Congratulations! *Photos from Shelley Jones.*

Did we miss you? Send to Monica Lewandowski: [mmlew@crec.ifas.ufl.edu](mailto:mmlew@crec.ifas.ufl.edu) or Ext. 1233.

Correction: Congratulations to **Jamuna Madhavaraj and Dr. G. Ananthkrishnan** (from Dr. Grosser's lab), on the birth of their son, **Bhavesh Ananthkrishnan**, born Sept. 22. Bhavesh was incorrectly identified as a girl last month.



**Brittney Pearn**, granddaughter of **Virgil and Janice Stewart**, is captain of the varsity cheerleaders, a member of the National Honor Society at Lake Region High School, and active in student government. She placed second for Homecoming Queen, and was featured in a "Student Focus" piece in the Ledger on Oct. 10. Her parents are Nicole Pearn Smith and Jerry Smith of Winter Haven. Virgil now works on CREC's grove crew, and Janice is on the custodial staff.



Congratulations to **Dr. Jaime Cubero and Dr. Maria Angeles Ayllon**, now in Spain, on the birth of their daughter **Irene!** Dr. Cubero worked at CREC with Dr. Graham, and Dr. Ayllon worked with Dr. Dawson.



Left: **Manlu Chen**, daughter of **Dr. Chunxian**

**Chen** (Gmitter lab) and **Huiqin Chen** (Chung lab), who was born on August 30.



Left: **Dr. Sveta Folimonova** and her husband, **Dr. Alexey Foliminov**, had a daughter, **Vasyliya**, born Oct. 18. Sveta and Alexey work with Dr. Bill Dawson.



**Eve Weiss**, CREC alumnus, was back at CREC for the Citrus Processors' Day on Oct. 21. Eve earned her M.S. in food science, studying with Dr. Robert Braddock. She now works for Firmenich, a flavor company in Safety Harbor.

The Redlands Christian Migrant Association is selling holiday and note cards created by their students, some with agriculture designed. The RCMA provides education and assistance to farmworkers and their families. To view cards, visit [www.rcma.org](http://www.rcma.org).



**Hurricane Photos Wanted**

If you have hurricane photos of citrus damage the Photolab is setting up an archive to document this year's hurricane damage. Any photos of hurricane damage can be included, such as citrus or crop damage, or damage to buildings, facilities, yards, etc. If you want to limit or specify distribution of your photos, let us know and we can do that. If you have photos for the archive, contact the Photolab at Ext. 1270. If the photo was taken by someone outside of UF, let us know so we can record the proper credit.

Thank you, Monica Lewandowski and Gretchen Baut

Sun Mon Tues Wed Thurs Fri Sat

calendar:ifas.ufl.edu  
 UF/IFAS Extension  
 events statewide

# November 2004

FloridaAgCalendar.com  
 Ag industry events  
 statewide

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
	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	30				

All events subject to change.

Nov. 18 – 11 a.m. – 12 p.m. BHG 1  
 (refreshments, 10:45 am). **Dr. Eric Roe**,  
 Project Manager, College of Engineering,  
 University of South Florida. Candidate for the  
 food processing engineering faculty position at  
 CREC. Seminar: "Vbrofluidized Bed Drying -  
 Exploring An Alternative Citrus Feed Mill  
 Process."

Plant Path and Friends hold weekly seminars  
 every Friday at 11 am - 12 pm in the BHG  
 Teaching Lab. CREC personnel, especially  
 students and post-docs, are encouraged to  
 present informal seminars. Topics are not  
 limited to plant pathology. For more  
 information, contact Dr. Chung.

**Classes Next Semester:**

Citrus Pest Management course offered at  
 CREC  
 Thursdays, Jan. 6 – April 28, 2005; 3 - 6 p.m.,  
 BHG Teaching Lab

Graduate-level course (3.0 units) reviews the  
 latest tactics and strategies available to manage  
 diseases and arthropod, nematode and weed  
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**[disted.ifas.ufl.edu/registration/  
 registration\\_info.html](http://disted.ifas.ufl.edu/registration/registration_info.html)**