

Citrus connection



HIGHLANDS COUNTY CITRUS GROWERS **President's Column** by Aaron Nelson

Summertime is here and that means long, hot days with plenty of sunshine and hopefully the beneficial rainfall that we all look forward to. Summer is also the time of year in which the groves usually look the healthiest. Trees are actively growing and the fruit is beginning to size, giving us a better look at the crop we will hopefully bring to harvest in the coming months.

During the summer months, I can't help but think back to being a kid and working in the groves while on summer break from school. At that time I couldn't imagine a worse punishment than working in the blistering sun (at least the trees were thick enough back then to find shade under).

Like many of you, I learned so many foundational lessons about hard work and persistence in a citrus grove in July with a hoe in my hand. As grueling as I remember some of those days being, that experience as a young man has been invaluable to me as life has gone on. There is no way that you could have convinced a 15-year-old version of myself that I would voluntarily make my career in the agriculture business. But here I am!

While this time of year is usually the busiest for many of our sprayers, which are running nearly nonstop now spraying for canker, rust mite and psyllid control, many of us take a bit of time during the summer months to enjoy some much-anticipated vacation time. During the months of July and August, the Board of Directors will also take a break from their regularly scheduled meetings as many are out of town and on vacation. We look forward to getting back to the business of the Association in September!

On behalf of the Board of Directors I want to wish you all an enjoyable and restful summer. I hope that you also can take some quality time off, enjoying the good things we've been given such as family and friends.

Aaron Nelson

**JUNE
2023**

- Charles Schumacher
- New HC Extension Director
- HCCGA Directory
- Ag Literacy Days
- Annual Citrus Conference
- CRAFT Update
- Citrus EXPO
- Glenn Beck Award
- All in for Citrus Podcast
- Grove Recovery Program
- Citrus Soil & Leaf Sampling
- Employee Retention Credit
- Micronutrient Management
- Leadership Highlands



6419 US Hwy 27 South
Sebring, FL 33876-5712
863.385.8091

www.hccga.com
admin@hccga.com

BOARD OF DIRECTORS

Aaron Nelson, President
Stan Perry, Jr., Vice-President
Charlie Wilson, Treasurer
William "Billy" Barben, Secretary
Jason Cloud
Joe Collins
Doug Deen
Jarred Eddy
Emma Ezell
Bert Harris III
Aaron Himrod
Justin Hood
Riley McKenna
Trevor A. Murphy
Frank Youngman

STAFF

Ray Royce, Executive Director
Jan Menges, Administrative Assistant

2023 Calendar of Events

July 20

Certified Pile Burner Course @ Bert J. Harris Ag Center

August 16-17

Citrus Expo @ Florida State Fairground, Tampa

September 6-8

49th Annual Agricultural Labor Relations Forum @ Wyndham Grand Orlando Resort Bonnet Creek

October 12

Initial 2023-2024 USDA Citrus Crop Forecast and Florida Citrus Mutual Grower Luncheon

November 14-16

Ag-Venture @ Highlands County Fairgrounds

December 9

2023 HCCGA Citrus Fun Shoot @ TBA

For additional information about any of these meetings or events, contact Ray or Jan at the HCCGA office



LOCALLY OWNED

community minded



Heartland National Bank

Sebring

320 U.S. Hwy 27 N.
863.386.1300

Avon Park

800 West Main St.
863.453.6000

Lake Placid

600 U.S. Hwy 27 N.
863.699.1300

Sun 'n Lake

5033 U.S. Hwy 27 N.
863.386.1322

HeartlandNB.com

Member
FDIC

NMLS#
532532





Executive Director's Report

BY RAY ROYCE



I hope everyone had both a safe and enjoyable Independence Day holiday while enjoying some quality time with friends and family. We are all truly blessed to live in this great nation that we do, enjoying the freedoms that allow us to engage in the business and personal pursuits of our choosing. I hope that all of you enjoy the rest of your summer to the greatest extent possible!

Florida Citrus Mutual staff did a masterful job in the planning and execution of the 2023 Annual Citrus Conference including hosting a very large crowd of growers and other industry folks, excellent educational programming, industry leadership meeting availability and a generally very hospitable environment for the industry to enjoy in these trying times.

Learning more about the utilization of Oxytetracycline trunk injections, CRAFT's plans for both their Existing Tree Therapies and traditional new planting programs, how a wide range of other practices can be incorporated into production programs and hearing from Senator Ben Albritton were just a few of the highlights of the conference.

During the conference's Thursday luncheon, Glenn Beck was recognized for his work on behalf of the industry over the past several years with 2023 Citrus Achievement Award. Congratulations Glenn!

I would also be remiss if I did not recognize Jim Snively for his significant, albeit fun, achievement. Jim bested 48 others to win his second consecutive "Slide King" title in the "unofficial" double elimination slide racing competition on Friday afternoon in one of the resort's pools – so congrats Jim!

Save the dates for a few things coming up: the 2023 Citrus Expo, and its very informative educational sessions, is coming up on **August 16th & 17th** at the Florida State Fairgrounds in Tampa. The initial USDA 2023/2024 Citrus Crop Forecast and Florida Citrus Mutual BBQ luncheon will be on **October 12th**. Our annual Citrus Sporting Clays Fun Shoot will be held on **Saturday, December 9th**, so save the date for that as well. Even if you don't shoot sporting clays – you may want to join us for our famous Seafood and Prime Rib Luncheon and raffle drawings.

My condolences go out to the family and friends of Charles Schumacher who left us on July 3rd at the age of 91. I always enjoyed my conversations with Charles, whether it was about what was new in the citrus industry or Gator football – he was enthusiastic about both and I will miss that.

While I hope that most grove property can remain in citrus, and survive the Greening crisis until cultural practices and/or tolerant trees evolve allowing for more productive groves - I realize that some properties will need to transition to other uses. Your Association is here to help in that regard as well. So contact us if you need additional informational resources about potential agricultural options or need clarification about the processes to seek land use or zoning changes.

While we strive to keep our members as informed as possible, please never hesitate in contacting me day or night (cell phone: 863-381-8551) for additional information if you need it; or if I can be of any assistance on any matter, large or small. Remember that if you are not getting regular e-mail updates from us (usually several a week plus this newsletter every month) then we do not have a good e-mail address for you – so please let us know.

Thanks, Ray



Info Notes



2023 Ag Labor Relations Forum

Save the dates of September 6th-8th for the 49th Annual Agricultural Labor Relations Forum at the Wyndham Grand Orlando Resort Bonnet Creek. Presented by the Florida Specialty Crop Foundation, the forum educates agricultural employers, including growers, shippers, farm labor contractors, and other employers, on compliance with agricultural labor laws and sound relations practices. Registration information and the agenda should be available, and shared, soon.

2022-2023 Florida Citrus Production Guides

The 2022-2023 Florida Citrus Production Guides are available to pick up at the UF/IFAS Highlands County Extension office or the handbooks are available online (with printable sections) at: <https://edis.ifas.ufl.edu/cg101>.

2023 Florida Citrus Growers' Institute Presentations Online

The 2023 Florida Citrus Growers' Institute was held on April 4th at the South Florida State College Avon Park campus. The educational presentations were recorded and are available online at the citrus agent's website: Here you will also find PDF versions of the slides. <https://citrusagents.ifas.ufl.edu/archived-presentations/2023/>

UF/IFAS Podcasts for Growers

UF/IFAS and Southeast AgNet have partnered to provide the latest news on citrus-related research in a monthly "All in for Citrus" podcast. The podcasts feature short interviews with scientists working to find solutions to citrus greening and other devastating citrus diseases. The podcast complements the new research update website and citrus newsletter at: <http://citrusresearch.ifas.ufl.edu/newsletter-sign-up/>. Podcasts may be downloaded to your mobile phone, tablet or computer to be listened to at your convenience.

FDOC Webinars

The Florida Department of Citrus hosts monthly webinars in order to provide key information on various topics important to the Florida Citrus industry. To receive notifications on webinars and other topics, please e-mail news@citrus.myflorida.com and ask to be added to FDOC's email distribution list.

Sales Tax Exemption Forms for Ag Uses

Florida Farm Bureau has a very informative page on their website that lists a number of potential agriculturally related items that may be exempt from sales tax. It also contains a recommended exemption form to be utilized. It can be found at: <https://www.floridafarmbureau.org/agricultural-sales-tax-exemptions-in-florida/>

UF/IFAS Research Website

The updated Citrus Research and Education Center (CREC) website at <https://crec.ifas.ufl.edu/citrus-research/> is now live. The revamped site has the latest research information on HLB management, detailed information on rootstock trials, access to on-line presentations from UF/IFAS research scientists, EDIS documents sorted by topic for easy access, and more.

UF/IFAS OJ Break Programs

The central Florida UF/IFAS citrus extension agents are providing an OJ Break Grower meeting series in a twice monthly virtual program format. Upon registration you will be sent a Zoom link for each meeting. To see the upcoming meeting topics and register for the Zoom notice – go to: <https://citrusagents.ifas.ufl.edu/oj-break/>.

Restricted Use Pesticide Exams

Restricted Use Pesticide exams are done using laptops at most UF/IFAS county Extension offices. Whether you are taking the test for the first time, renewing your license, or adding a new category, you can take your exam at most county Extension offices. In Highlands County, the Extension office is scheduling exams for Wednesdays and Fridays. You can schedule your exam online at <https://pesticideexam.ifas.ufl.edu/public/countyList.faces>.

"Florida OJ Break" Tags

The HCCGA office has a very good supply of the "Take A Florida Orange Juice Break" license plates to share. Please feel free to stop by the HCCGA office and get one for your vehicles. We also have a limited supply of a few other types of OJ related tags.



In Memoria



HCCGA grower member Charles Schumacher passed away on July 3rd at the age of 91. Charles was a lifelong Highlands County citrus grower, a founding member of our Association, a former member of the HCCGA Board of Directors and well-respected member of our industry. His family were true pioneers in the citrus industry of Highlands County, with roots going back roughly 100 years here.

Charles was a 1949 graduate of Sebring High School and 1953 graduate of the University of Florida. Anyone that knew Charles knows that he was a fervent Gators fan and booster, who seldom missed a Gators football game. Charles was also an extremely active member of the community and served on numerous boards of a number of different local organizations. Until his final days, Charles was an inquisitive grower who was always seeking, through grower to grower conversations and attendance at informational seminars, to learn more about potential citrus production practices.

Our Association shares our deepest condolences and encouraging prayers with the family and friends of Charles – he will be missed!



CREATIVE PRINTING
WE CAN PRINT THAT
863.385.8383

Put Your Ad In This Space
863-385-8091

FARM BUREAU INSURANCE
863.385.5141
CROP FARM LIFE
AUTO HOME HEALTH
chad.mcwaters@ffbic.com

Chad McWaters
CFP®, ChFC®, CASSL®, CLU®
Agency Manager
Fax 863.385.5356
Claims 800.330.3327

TREE DEFENDER
PROTECTING ONE TREE AT A TIME

863-439-2877
www.TheTreeDefender.com
PATENTED: U.S. PATENT No. 11,122,752 & 11,406,068

SunRidge HARVESTING CO.
LICENSED CITRUS FRUIT DEALER

CHARLES J. WILSON III, PRESIDENT, CEO

Off: (863) 699-5511 RES: (863) 465-0298
CELL: (863) 441-8323 FAX: (863) 699-2793
e-mail: charlie@sunridgeharvesting.com
POST OFFICE BOX 2290 • LAKE PLACID, FL 33862-2290

BASF
We create chemistry

Adrian Jahna
Business Representative
Florida

BASF Corporation
Office (919) 224-9967
Mobile (863) 443-2404
adrian.jahna@basf.com
www.agproducts.basf.com

New Highlands County Extension Director

Dr. Kati Lawson has been selected to serve as the new Highlands County Extension Director (CED) and 4-H Youth Development Agent. She replaces Ashley Gill who resigned from the position in March. Dr. Lawson is scheduled to start her duties in Highlands County on Monday, July 21, 2023.



She is originally from Okeechobee, where she was also a K-12 educator and a college and career counselor at the Okeechobee High School after college. Kati has developed a broad range of skills as a classroom teacher, curriculum developer, program coordinator, and community volunteer. She has drafted and managed budgets, conducted and published research, developed and implemented communication and marketing strategies, and built strong stakeholder relationships.

Dr. Lawson received her B.S. in Agricultural Education Communication from the University of Florida, her M. Ed. in Counseling and Psychology from Angelo State University in Texas, and her Ph.D. Agricultural Education Communication from the University of Florida. Kati was recently employed as an Instructional Assistant Professor with UF/IFAS housed in Plant City.

Dr. Lawson is passionate about creating opportunities to learn, grow and succeed. She is excited about her role in promoting youth development and community engagement in Highlands County. She shares "I am excited about the opportunity to serve Highlands County and its agricultural community, it feels like coming home!"

Please welcome Dr. Kati Lawson to her new position of leading Highlands County's extension programs.

ALAN JAY
FLEET SALES

Chris Wilson
Fleet Sales Manager
chris.wilson@alanjay.com

Direct: (863) 402-4281
Fax: (863) 402-4221
Cell: (863) 381-3411

5330 US HWY 27 South
P.O. Box 9200
Sebring, FL 33871

ALANJAY.COM

HELENA

People...Products...Knowledge...

Helena Agri-Enterprises

altmanm@helenaagri.com Mark Altman
www.helenaagri.com 863-781-0462

Glade & Grove Supply Co
SALES - RENTAL - SERVICE - PARTS

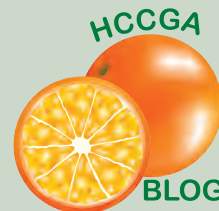
KEEP INFORMED VISIT US FREQUENTLY



hccga.com



facebook.com/hccga



hccga.wordpress.com



[@hccitrusgrowers](https://twitter.com/hccitrusgrowers)



CS 2005



We Believe in Florida Citrus....

For more than 15 years, Magna-Bon has been helping citrus growers reduce copper toxicity in the soil. Our product, **CS 2005**, uses less than a quarter pound of copper per acre compared to several pounds with conventional coppers. With soil toxicity, this will drastically affect yields in the grove. Our systemic copper sulphate pentahydrate in-solution formula penetrates the stemmata of the citrus tree, absorbing **CS 2005** to combat diseases such as: *Brown Rot, Greasy Spot, Pink Pitting, Scab, Melanose, and Citrus Canker!*

Industry Support

Magna-Bon supports regional trade shows, all regional citrus growers' associations, and various sponsorships throughout the year. Although it is not directly citrus related, Magna-Bon helped orchestrate selling blueberries from a local blueberry farm to the Central Florida area during the pandemic shutdown.

You can read the article in the May 2020 issue of Florida Grower.

Backed by Research

We have more than nine years of research with the UF/IFAS research program. Research by Dr. Jim Graham notes that not only does Magna-Bon **CS 2005** have systemic capabilities, it also helps with the suppression of citrus canker!

[Click Here to Watch Our Video on CS 2005 and See All Of Our Research Information!](#)

We believe in Florida citrus because it's our state. Our manufacturing plant is in Okeechobee, and we look forward to serving the agriculture community for many years to come!



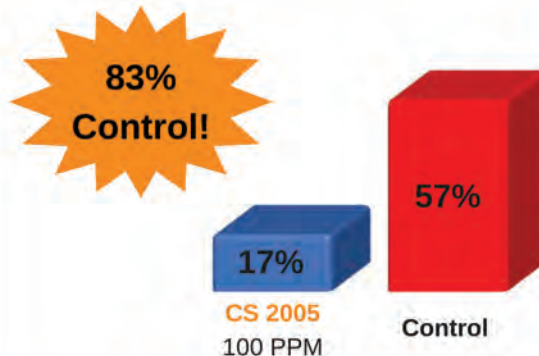
CS 2005

Our copper sulfate pentahydrate in-solution formula is **OMRI-listed** with systemic capabilities! It's environmentally friendly by using less than an 1/16 lb to 1/8 lb per acre of metallic copper specifically designed to combat agricultural disease in Citrus including:

Brown Rot, Greasy Spot, Pink Pitting, Scab, Melanose & Citrus Canker!

Canker Control Trails in Grapefruit & Hamlin Oranges

Citrus Research & Education Center: UF/IFAS
Dr. Jim Graham



Less Copper, More Power!



www.MagnaBon.com



New venue!



Florida State Fairgrounds in Tampa

CITRUS & SPECIALTY CROP EXPO

Aug 16-17

PRESENTED BY: AgNet MEDIA



SAME GREAT SHOW, NEW LOCATION

Florida's premier agricultural event will have a new home this year. The Citrus & Specialty Crop Expo has relocated to the Florida State Fairgrounds in Tampa due to the upcoming closing of the Lee Civic Center in North Fort Myers.

The venue offers plenty of space to host the Expo's trade show and educational programs. The fairgrounds and agriculture have long been allied, hosting events for 4-H, FFA, the Ag Hall of Fame, Ag-Venture and many others.



Thank you, sponsors!



2023 HCCGA Member Directory



The 2023 HCCGA Member Directory is now in production and is scheduled for delivery to all HCCGA members in late July or early August. This 8.5 X 11 full color booklet has become a valuable year-round resource guide for our members, grower and associate alike. This year's directory will include Association information such as: Grower contact information, Associate Member Bios, Sponsorship Recognitions, Board Members, Officers, etc.

Thank you to the sixty-seven Associate members who, through advertising investment have made the production and distribution of this directory possible. Please try to patronize the directory's advertisers whenever they can provide a good or service to your business – because we appreciate their investment in our Association.

Agriculture Literacy Days

Florida Agriculture in the Classroom, the Florida Department of Agriculture and Consumer Services and the Florida Dairy Farmers created this year's Agriculture Literacy Day book titled **Moovers, Shakers and Milk Makers** that highlights the Florida dairy industry.

Any interested agriculture industry representatives are invited to read to local elementary school kids. You are asked to schedule classroom visits with schools at least two weeks before readings. For more information about the program, and to secure the materials you need for a classroom visit, go to: <https://faitc.org/ag-literacy-day>.

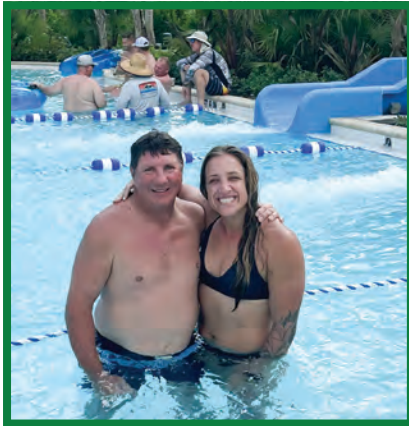
There is no set date for this program, please find a date that works best for you as the volunteer reader and the school. We believe that **Everyday is Ag Literacy Day!**



Annual Citrus Conference

Florida Citrus Mutual hosted another very well planned and orchestrated annual citrus conference in Bonita Springs in early June. Quite number of growers, affiliated citrus industry members, industry organizations, political representatives, research personnel, etc. were in attendance.

There were meetings of the Citrus Mutual Board, the Citrus Commission and the CRDF Board for industry folks to participate in. The educational session on Thursday morning proved to be very informative. The Citrus Mutual PAC silent auction raised a bunch of resources for proactive political engagement on Thursday night. There were also multiple venues for social interaction and discourse on a wide range of industry topics. The Coconut Point Hyatt is also extremely family friendly and affordable for conference participants – so if you have not been part of the conference in the past, you should consider doing so in 2024 when the citrus conference returns to Bonita on June 12th -14th.



One of the highlights of the conference that helps put the many tribulations associated with our industry out of mind for just a few hours is the annual slide racing competition. This year there were 49 participants (*26 men, 13 women & 10 kids*) in the double elimination event. Our very own **Jim Snively** defended his slide king title from last year with another overall victory, with **Amy Couch** taking the women's title and **Brooks Williams** winning in the 16 and under category.

Congrats to them, and most importantly to the staff at Florida Citrus Mutual for putting together another great conference!



CRAFT Update

The Citrus Research and Field Trial (CRAFT) Foundation has reopened the application window for its Existing Tree Therapy program. The program is designed to provide the industry with a better understanding of the best use patterns, combinations, and timing of newly developed therapies. Eligible therapies have shown promise in restoring health and improving juice quality and quantity, as well as fruit retention in Florida.

The Existing Tree Therapies Program focuses on four primary therapies used on existing plantings, including gibberellic acid, 2,4-D, brassinosteroids and the direct systemic application of approved antimicrobials such as oxytetracycline. Existing groves between 10 and 250 acres that will be treated with one or a combination of the aforementioned therapies will be eligible for application into the program. **A control area of at least 10 untreated trees must be included in the application.** This control may be contained within the treated block, or in an adjacent, similar block.

Much like the original CRAFT new planting program, participants will be required to submit related production records and yield data to the CRAFT-USDA Data Portal as a part of the program. In exchange for their participation, growers will receive payments totaling \$350 per acre over the course of their three-year agreement.

The application period will be open until 5:00 p.m. on August 30, 2023. Participants will be selected through a random lottery, administered by a third-party entity. **If you previously applied for the Existing Tree Therapies program and were not selected in the first lottery, your original application will automatically be reentered into the new lottery pool. If you do not wish to have your prior application considered for the new round, please contact Tamara Wood at tamara@craftfdn.org.**

Interested growers can apply for the Existing Tree Therapies program now at www.craftfdn.org. Additional rules and information can also be found online at www.craftfdn.org or by contacting Program Manager Tamara Wood at tamara@craftfdn.org or 863-698-9276, or Assistant Program Manager Tina Buice at tina@craftfdn.org or 863-214-3731.

More information on the next round of the traditional CRAFT New Planting program will be provided at a later date.



CRAFT's mission is to move lab and research solutions into commercial groves for commercial-scale field trials, collect data on the results of those field trials and create an integrated data management system allowing growers, researchers and other interested parties to analyze the efficacy and efficiency of various strategies, treatments and therapies.

For additional information, contact Tamara Wood - 863.698.9276 or tamara@craftfdn.org

Citrus & Specialty Crop Expo

New Location, Same Great Show

The Citrus & Specialty Crop Expo is scheduled for **August 16th & 17th at the Florida State Fairgrounds in Tampa**. Begun in 1992, the Expo has grown to become the world's premier seminar and trade show program for citrus and specialty crop growers and industry professionals. The two-day event is organized and operated by AgNet Media, in cooperation with numerous researchers and industry organizations. Its primary goal is to provide unequalled education and industry fellowship opportunities annually for growers, industry leaders, decision-makers and vendors.



Complimentary attendance and a hot breakfast and lunch are provided both days to commercial grove owners and managers, citrus production managers, vegetable and specialty crop growers, professional crop advisors, association representatives and the agricultural research community.

Commissioner Wilton Simpson To Speak

Florida Commissioner of Agriculture Wilton Simpson will speak during the Citrus & Specialty Crop Expo's General Session on Aug. 16th. Simpson, a farmer himself, brings a perspective grounded in the importance and realities of agriculture.

"We are excited to have Commissioner Simpson join us for the Expo," says Robin Loftin, president of AgNet Media. "The Citrus & Specialty Crop Expo is dedicated to serving growers, so the Commissioner will be right at home among his peers."

More On BMPs

West Gregory, the Florida Department of Agriculture and Consumer Services director of agricultural water policy, will also speak during the General Session. Gregory will provide an update on the state's Best Management Practices program. The program has seen updates and adjustments in recent years to bring it more in line with current growing practices and available science.

During the citrus seminars, updates on key research will be presented. In addition, a panel discussion featuring key scientists will dig deeper into practical ways growers can deploy new research findings in their groves. An additional panel will feature growers who are having success in mitigating HLB in their groves through various production practices, including new therapies.

Other Citrus Seminar Highlights Include:

- Expectations and realistic timelines for gene editing in citrus varieties
- Deploying CRISPR technology in citrus breeding
- Updates on results of this season's trunk injection of oxytetracycline
- What we have learned about using plant growth regulators as a tree therapy
- Psyllid control in young trees
- New varieties and rootstocks updates
- Citrus irrigation and nutrient management
- Using artificial intelligence in precision citrus grove management
- Disease management in young citrus plantings

Don't miss the 2023 Citrus & Specialty Crop Expo. Show planners are working hard to present another exceptional event well worth your time! For more information or to register, visit: www.CitrusExpo.net.

2023 Citrus Achievement Award Winner

Glenn Beck was honored at the Annual Citrus Conference luncheon as the winner of the 2023 Citrus Achievement Award. An example of his leadership is Glenn's service as Florida Citrus Mutual's Board Chair for the past several years during increasingly difficult times in the industry, where he has spent countless hours of volunteer time representing the citrus industry in Tallahassee, Washington and across our state and nation seeking assistance in disaster recovery and HLB research funding.



Beck grows citrus in five Florida counties and is optimistic about the breakthrough therapeutic possibilities associated with OTC injections to combat HLB, and the fact that some in the industry are now willing to invest in replanting based on that perceived success.

He also looks forward to the development of resistant trees as the long term solution for the industry. Though Beck is intimately involved in the day-to-day production practices of the groves he manages, he encourages all in the industry to not only be agronomically invested, but to get engaged in advocacy on behalf of our industry as well.

Congratulations Glenn on an honor well deserved!

The University of Florida Institute of Food and Agricultural Sciences and Southeast AgNet have partnered to provide the latest news on citrus-related research in monthly podcasts at: <http://citrusindustry.net/allinforcitrus/>
The podcast, "All in for Citrus," features short interviews with scientists working to find solutions to citrus greening and other devastating citrus diseases. The podcast complements the UF/IFAS Citrus Research website at: citrusresearch.ifas.ufl.edu, and their monthly newsletter.



Ag Flying Service
We spray it like we own it.
c 334-898-7772
o 863-212-8155
agflying@gmail.com
 Jerry Wise, Owner/Operator
 1201W. Bell Street
 Avon Park, FL 33825
AG NAV GPS EQUIPPED AIRCRAFT
For All Your Agricultural Aviation Needs

KUBOTA LANDPRIDE BUSH HOG
RIDGE EQUIPMENT CO.
SALES - RENTALS - PARTS - SERVICE
DAN FRANKLIN OFFICE: 863-382-4157
 CELL: 863-273-6260
 dan@ridge-equipment.com 6820 US 27 N
 www.ridge-equipment.com SEBRING, FL 33870

Specialists in Liquid Handling Products
 Headquarters
 413 ABC Rd Lake Wales, FL 33859
 (863) 638-1407
www.chemicalcontainers.com
• Sales • Service • Custom Design • Repair
• Sprayers • Fertigation • Herbicide Systems
 Sebring Store 6402 US Hwy 27 South Sebring, FL 33876 (863) 314-6647
 Clewiston Store 742 East Sagamore Clewiston, FL 33440 (863) 301-3520
 Zolfo Springs Store 3322 Hwy 17 S. Zolfo Springs, FL 33890 (863) 474-3051

Grove Recovery Requires Multipronged Management Program

By Michael Rogers

The 2022–23 Florida harvest season is now behind us. Yield losses magnified by the weather events this past season position the next couple of years as “make or break” for many growers. The lingering effects of hurricane Ian will impact next season’s crop as trees continue to recover and balance out canopy regrowth with fruit production.

Despite the challenges ahead, there’s much optimism about the potential to turn things around with new therapies like plant growth regulators (PGRs) and oxytetracycline injections that are now available for use to manage tree health and stress. However, it’s important to recognize that these new therapies are not stand-alone tools. They must be used as part of a comprehensive grove management program. Below are some things to keep in mind when moving forward in this year of recovery.

Focus On Irrigation And Fertilization First

The most important thing that can be done to improve grove productivity is to ensure trees are never lacking in water and proper nutrients (both macros and micros). Proper water and nutrition is essential to growing a crop that will size up properly, have less fruit drop and reach the desired quality. *The success of any additional therapies is dependent on getting this part right!* When planning fertilizer applications, consider the following:

- Keep soil pH between 5.8 and 6.5.
- Perform routine leaf nutrient sampling to ensure all macronutrients and micronutrients are in the optimal to high range according to University of Florida Institute of Food and Agricultural Sciences (UF/IFAS) recommendations.
- Soil nutrient analysis is needed but should be done along with leaf nutrient analysis because nutrients in the soil may not be readily available to the plant.
- When leaf tests show excessive nutrient concentration, consider omitting that nutrient in the next four to six months to make sure the nutrient level drops back within the optimal or high ranges for best tree performance. Excessive nutrient concentration may result in too much vegetative growth at the expense of fruit yield and juice quality.
- Split applications of nutrients are encouraged. For example, if using fertigation, apply a minimum of 12 to 30 splits a year. If using dry soluble fertilizer, four split applications are ideal. When using controlled or slow-release fertilizer, apply two to three times per year.
- Fertilizer blends should include both macronutrients and micronutrients.

Put PGRs To Work

Several PGRs are available and can be used now to improve overall tree health and reduce fruit drop. Properly timed sprays of gibberellic acid will promote canopy growth and help reduce fruit drop. While these applications can cause the external fruit peel to be slow to degreen, no effects on internal fruit quality have been observed.

The use of another PGR, 2,4-D, prior to harvest can help prevent fruit drop in the weeks leading up to harvest. More recent work with cytokinin-based PGRs has also shown a boost in spring and summer growth following use of these products.

See RECOVERY on page 15

RECOVERY, Con't from page 14

Trunk-Injection Tips

While there is less experience to date with oxytetracycline (OTC) trunk injection than there is with PGRs, studies conducted by UF/IFAS researchers have demonstrated that OTC increased yield, including pounds solids, following injections.

Growers using OTC injections have reported minor phytotoxic effects resulting in yellowing of leaves, which eventually green back up weeks later. When making injections, consider the following points to help minimize the potential for phytotoxicity and to facilitate the best uptake of materials:

- Avoid injecting doses higher than the label rate (based on tree size).
- Injecting when trees are actively flushing may result in leaf deformations resembling herbicide damage.
- Be sure trees are well irrigated when injecting materials to ensure proper uptake.
- Uptake will be fastest during mid- to late morning and on sunny days.

For additional information on trunk injections, go to: <https://crec.ifas.ufl.edu/citrus-research/hlb-management/trunk-injections/>.

Pest And Disease Considerations

While there is no longer a concern about psyllids spreading HLB to new areas, there is benefit to maintaining psyllid populations at low levels. UF/IFAS recommendations for the current situation in Florida are to apply one dormant spray just prior to budbreak in the spring, followed by sprays when populations exceed 0.2 psyllids per tap sample.

There are also many additional pests and diseases besides HLB that shouldn't be overlooked. Rust mites, canker, greasy spot and Phytophthora are examples of problems that can add up to significant yield loss if ignored. Be sure to stay vigilant against other non-HLB related pests that can further reduce tree health and yield.

Dr. Michael Rogers is director of the UF/IFAS CREC in Lake Alfred



TAKING ORDERS FOR 2024 AND 2025

— All rootstocks available —

Donaldson tree, Parson Brown, Sundragon and many other scions are available!



Visit our WEBSITE



Mike Kemp
863 978 8646



Contact us

Leadership Highlands 2024

South Florida State College is now accepting applications for the Leadership Highlands Class of 2024. The Leadership Highlands program has been developing local leaders since the pilot class graduated in 2000. The mission of the Leadership Highlands program is “to develop Leaders with a thorough understanding of, and strong sense of commitment to, Highlands County and an appreciation for the strength found in our County’s abundant diversity”.

Founded and nurtured by the three Highlands County Chambers of Commerce and select alumni, who comprise the Leadership Highlands Advisory Board, the goals of the program are to familiarize the participants with the infrastructure, agencies and economic enterprises that exist in Highlands County; to expose the participants to the range of needs in the community and to identify the resources available to meet those needs; to provide participants the opportunity to meet and exchange ideas with each other and existing community leaders, so as to learn from the backgrounds and perspectives of one another; and to encourage civic participation and volunteer involvement in the community.

The Program kicks off with an August 22, 2023 orientation session and features 10 full day sessions held once a month (one session is actually a two day trip to Tallahassee in February) that explore different aspects of Highlands County’s complex matrix of industries governance and various community organizations. Graduation from the program will be after session ten on June 6, 2024.

Class size is limited and is by invitation of the selection committee. For information about enrollment or participation, please contact Kris Juve, Coordinator, Leadership Highlands at SFSC at 863-784-7189 or juvek@southflorida.edu. for additional information. Applications are due by August 16, 2023. The program’s application can be downloaded at: <https://www.southflorida.edu/current-students/degrees-programs/special-programs/leadership-highlands>.

Members of the agricultural community (especially early and mid-career young adults) are encouraged to consider participation in this program.



Aquatic Management Services
Aquatic Weed Control • Weed-Tech
Terrestrial Weed Control • Industrial & Right-of-Way
(863) 533-8882 • (800) 408-8882
P.O. Box 1469 • Eagle Lake, Florida 33839-1469
Fax (863) 534-3322

LAKE PLACID CARETAKERS, INC.
HEDGING • TOPPING • TREE REMOVAL



Andy Russell
Phone (863) 465-2821 • Fax (863) 699-1162
109 Arron Drive • Lake Placid, FL 33852

COMPLETE CITRUS MANAGEMENT

BIG T TIRE
TIRE PROS

1109 W Main St., Avon Park 33825
863/452-2031 bigttire.net
**FOR ALL YOUR AGRICULTURE,
PERSONAL TIRE AND
VEHICLE SERVICE NEEDS**

Phillip Rucks Citrus Nursery, Inc.
"Quality Trees Return Optimum Yields"

863-635-1948 O
863-635-7624 F



Contact:
Phillip Rucks
or
Phil Rucks, Jr.

P.O. Box 1318
Frostproof, Florida 33843

info@rucksnursery.com
www.ruckscitrusnursery.com



Wells Insurance

Serving the insurance needs of agriculture since 1983.

- Groves
- Packing Houses
- Ranches
- Farms
- Caretakers
- Agra-related businesses
- Harvesters
- Nurseries

Call us for a quote at (863)465-7155.



(863) 453-8166 (877) 595-8166 Toll Free

Gasoline, Fuel, & Lubricants

Employee Retention Credit Program

Businesses should be aware that they may well qualify for receiving payment from the Employee Retention Credit Program (ERC). It is also sometimes called the Employee Retention Tax Credit (ERTC) and is a refundable tax credit for businesses and tax-exempt organizations, even if you have already taken advantage of the Payroll Protection Program (PPP).

A number of local ag related businesses have informed us that they qualified for payments from the program – so it is definitely worth looking into as a potential revenue resource. You may want to consult with your tax professional or garner additional information from the ERC program's official IRS website at: <https://www.irs.gov/coronavirus/employee-retention-credit>.

Eligibility

The credit is available to eligible employers that paid qualified wages to some or all employees after March 12, 2020, and before January 1, 2022. Eligibility and credit amount vary depending on when the business impacts occurred. The ERC is not available to individuals. Generally, businesses and tax-exempt organizations that qualify are those that:

- Were shut down by a government order due to the COVID-19 pandemic during 2020 or the first three calendar quarters of 2021, **or**
- Experienced the required decline in gross receipts during the eligibility periods during 2020 or the first three calendar quarters of 2021, **or**
- Qualified as a recovery startup business for the third or fourth quarters of 2021

Eligible employers must have paid qualified wages to claim the credit.

Eligible employers can claim the ERC on an original or adjusted employment tax return for a period within those dates.

For more information about eligibility and credit amounts, see the Employee Retention Credit Comparison chart at: <https://www.irs.gov/newsroom/employee-retention-credit-2020-vs-2021-comparison-chart>.

Beware of ERC Scam Promotions

Employers should be wary of ERC advertisements that advise them to "apply" for money by claiming the ERC when they may not qualify. The ads are all over radio, TV and social media. You may even get ads that look like official government letters, or texts, emails and phone calls advertising ERC eligibility. Anyone who improperly claims the credit has to pay it back and may owe penalties and interest. **The only way to claim the ERC is on a federal employment tax return.**

Warning signs of aggressive ERC marketing

The Employee Retention Credit is a complex credit that requires careful review before applying, so be wary of:

- Unsolicited ads, calls, emails or texts from someone you don't know.
- Statements that the promoter or company can determine your ERC eligibility within minutes.

See RETENTION on page 18

RETENTION, Con't from page 17

- Large upfront fees to claim the credit.
- Fees based on a percentage of the refund amount of Employee Retention Credit claimed – you should always avoid a tax preparer basing their fee on the amount of the refund.
- Statements from the promoter that you qualify for the credit before any discussion about your tax situation.
- Statements from the promoter urging you submit the claim because there is nothing to lose. In reality, those improperly receiving the credit could have to repay the credit – along with substantial interest and penalties.

These promoters may lie about eligibility requirements. In addition, those using these companies could be at risk of someone using the credit as a ploy to steal the taxpayer's identity or take a cut of the taxpayer's improperly claimed credit.

For details about ERC scams, see News Release IR-2023-105, [IRS alerts businesses, tax-exempt groups of warning signs for misleading Employee Retention scams; simple steps can avoid improperly filing claims.](#)

FINANCING STRONGER OUTCOMES FOR FARMS.



Partner with one of the the most experienced agricultural lenders in the industry

PGIM Real Estate's Agricultural Finance Team offers a full suite of customized financing solutions. With a legacy of deep sector expertise, we can help agriculture landowners and investors realize their full potential.

Find out more at [PGIMRealEstate.com/agfinance](https://www.pgimrealestate.com/agfinance)

Josh Culpepper
Josh.Culpepper@pgim.com
C: 407-473-9752
O: 407-649-2197

Managing Micronutrients in HLB-Affected Trees

by Davie Kadyampakeni

Nutrients are needed for optimal tree growth, fruit yields and juice quality. Any nutrient deficiencies could result in low yields and decreased revenue, so it is essential to make sure citrus trees receive adequate nutrient supplies at all times.

Micronutrients, though required in minute quantities, are especially important for citrus trees impacted by citrus greening. Examples of micronutrients include boron, zinc, iron, manganese, copper and others. Micronutrients are known to improve the accessibility and movement of macronutrients in the plant. Apply these micronutrients to the root zone via fertigation or spreaders to ensure improved root flushes and overall tree health. Supplemental foliar sprays can ensure any deficiencies are corrected in real time.

For optimal availability of nutrients, follow these practices:

- Periodically do a soil test for pH and keep the soil pH between 5.8 and 6.5. Results have shown that this is the optimal range for nutrient availability in citrus-producing soils, especially for trees affected by citrus greening. If the soil pH falls below 5.8, it is highly recommended to apply lime. If the soil pH rises above 6.5, apply elemental sulfur or some acids to lower the pH to the desired 5.8–6.5 range.
- Perform a leaf tissue test at least once every quarter and make sure every nutrient is in the optimal or high range according to current University of Florida Institute of Food and Agricultural Sciences (UF/IFAS) recommendations.
- Do a soil test at least once a year. But pay attention to the leaf tissue results because while some soil tests may show high nutrient content, the nutrient may not be readily available to the plant.
- When a leaf nutrient test shows excessive nutrient concentration, consider omitting that nutrient in the next four to six months to make sure it reverts to the optimal or high range. Excessive nutrient concentration may result in too much vegetative growth at the expense of fruit yield and juice quality.
- Split applications of micronutrients are encouraged. For example, if using fertigation, then apply a minimum of 12 splits per year. If using dry soluble fertilizer, four split applications are ideal. If using controlled or slow-release fertilizer, apply it two to three times per year.

Davie Kadyampakeni is an assistant professor at the UF/IFAS CREC in Lake Alfred.



OUR ADVERTISERS SEE RESULTS!

To Discuss Advertising Opportunities

Contact the HCCGA Office Today

863.385.8091 or admin@hccga.com

Citrus Soil and Leaf Sampling

We will soon be approaching the optimum time of the year (*July-September*) to collect citrus soil and leaf samples for analysis. Soil and leaf sampling is a key component to the evaluation of a citrus nutrition program **AND** the Citrus BMP record keeping and documentation that is required today. Annual sampling, and its subsequent analysis, will provide you a good idea of the nutritional trends that have been occurring within specific grove blocs from year to year. ***Remember to retain records for all soil and leaf analysis results.***

Select representative trees from each grove bloc that you intend to manage nutritionally the same. Typically 15 to 20 trees are selected within a grove bloc for sampling and collect your leaf and soil samples from these trees. You can reduce the year to year variability in interpreting your analysis results by some degree by utilizing samples from the same trees from one year to the next. With the availability of affordable GPS technology nowadays, from a portable unit in your truck to most smart phones, the opportunity to utilize it in order to sample the same areas (trees) year after year should be taken advantage of.

Soil analysis can provide very specific information that you can use in your nutritional program decision-making. This information includes soil pH, phosphorous, calcium, magnesium and copper (*if you specifically request the copper analysis*).

From these 15 to 20 trees, take a single soil core of an 8 inch depth from within the irrigation pattern of each tree. Place the sampling cores in a clean nonmetal bucket for collection. When you have collected all the necessary cores from a production bloc -thoroughly mix the sample cores together. Take approximately one pint of the soil from the mixed sample for analysis.

Also, don't forget that not all soil testing laboratories use the same extraction procedures to determine soil nutrient levels. UF/IFAS recommends utilizing the Mehlich 3 extraction method (***it may even be required in future Citrus BMP manuals – so consider using it***). You may even want to consider sending samples from the same "bucket" to differing labs to compare results. Make sure if you change soil testing labs from one year to the next, or utilize different extraction methodologies, that you understand how to properly interpret the results and appropriate tables.

Leaf analysis can be utilized for all essential elements including those determined in the soil analysis. As mentioned above, leaf samples can, and should be, collected from the same trees as the soil samples. One hundred healthy, and representative, leaves from the 15 to 20 trees should be collected. These leaves should be 4 to 6 months old from non-fruiting twigs. This time frame will generally be between the months of July to September. In handling the leaf samples, keep the collected leaves out of the heat. If they cannot be sent out immediately, place in a refrigerator for overnight storage.

For macronutrient analysis, the leaves need not be washed. If micronutrient analysis is desired, then the leaves will need to be washed well to remove surface contamination. Washing of leaves can be done by soaking the leaves in a mild detergent solution and rubbing them between your thumb and forefinger. The washing of leaves should be done as soon as possible after collection. Some micronutrients are exceedingly difficult to remove (copper, manganese and zinc) through surface washing. This should serve as a reminder that it may be exceedingly difficult to make judgments utilizing leaf analysis if you are applying frequent nutritional sprays.

Start each day the citrus way!



CUTRALE

Citrus Juices USA, Inc.

602 McKean Street
Auburndale, FL 33823
Office (863) 965-5302
Fax (863) 965-5966

Dean Evans (863) 287-2251
Keith Hinkle (863) 381-1735
Mike Whitney (863) 581-3674

THANK YOU
HCCGA Growers!

We appreciate you and your business. We are here for your Micro Spray needs!

The Maxijet Team
sales@maxijet.com

HEDGING • TOPPING • SKIRTING

A CUT ABOVE THE REST
Frank Youngman
Fax 866-699-9851 • Cell 863-441-1164
403 Bear Lane • Lake Placid, FL 33852

6353 US 27 South • Sebring, FL 33876

Office 863-285-0600
Fax 863-385-1838
James "Jim" Somers, President
somersjim@yahoo.com
Jim's Mobile 863-381-3362
Jimmy's Mobile 863-214-7867

Serving the Agricultural Community Since 1986

WWW.KAHNGROVE.COM 863.385.6136
EXPERIENCE. COMMITMENT. INNOVATION.

Dalton Farr
BUSINESS DEVELOPMENT AND AGRICULTURAL SALES
daltonfarr@trademarknitrogen.com

TradeMark Nitrogen Corp.
1216 Old Hopewell Road
Tampa, Florida 33619 USA
www.trademarknitrogen.com
813 626 1181
863 781 1647 cell

RANDY WHITE
BRANCH MANAGER - SEBRING

C | 863.990.0617
O | 863.471.0105
rwhite@newtoncrouch.com

5427 DeSoto City Road
Sebring, Florida 33870
newtoncrouch.com

SEMINOLE TIRE CO.
OF LAKE PLACID INC.

LAKE PLACID'S ONE STOP AUTOMOTIVE CENTER!

624 Hwy 27 S.
Lake Placid, FL 33852
(863) 465-5057
seminoletire.com

We All Thank You For Your Votes And Support

CHEMICAL DYNAMICS
"Our business is to help you grow"

JUSTIN CAIN
Sales Representative, CCA
Business: 813-752-4950 • Mobile: 863-632-0498
Post Office Box 486
Plant City, Florida 33564-0486

Doug Deen
LICENSED CITRUS FRUIT DEALER

Cell: 863-443-0109
Office: 863-453-3659
Fax: 863-453-0812

21 East Pine Street
Avon Park, FL 33825
doug@barbenfruit.com

Informational Websites



FDOC Grower Website

The Florida Department of Citrus website at: www.FDOCGrower.com. is in place to provide growers with relevant information about the citrus industry. FDOC Grower features timely information about economic and market research, scientific updates, marketing activities and Florida Citrus Commission meetings in an easy-to-navigate format.

2022-2023 Florida Citrus Production Guides

The 2022-2023 Florida Citrus Production Guides are available online (with printable sections) at: <https://edis.ifas.ufl.edu/cg101>.

HLB Nutrient Management Web Site

Some HLB nutrient management information to accompany the HLB Guidance document has been put on the CREC website at: <http://www.crec.ifas.ufl.edu/extension/greening/index.shtml>.

CREC Citrus Industry Update

The UF/IFAS Citrus Industry Update can be found on the CREC website: www.crec.ifas.ufl.edu. These informational newsletters can be located in the publications area. Growers that would like to be added to the e-mail distribution list can do so by contacting the CREC staff at: cankergreeningupdates@crec.ifas.ufl.edu.

Black Spot Info

Information about citrus black spot is available on the Lake Alfred CREC website at: www.crec.ifas.ufl.edu/extension/black_spot/citrus_black_spot.htm

Citrus Research & Education Center Lake Alfred

www.crec.ifas.ufl.edu.

2023 Florida Citrus Growers' Institute Presentations Online

The 2023 Florida Citrus Growers' Institute was held on April 4th at the South Florida State College Avon Park campus. The educational presentations were recorded and are available online at the citrus agent's website: Here you will also find PDF versions of the slides. <https://citrusagents.ifas.ufl.edu/archived-presentations/2023>

South Florida Water Management District

www.sfwmd.gov.

Safe Fruits & Veggies Website

The Alliance for Food and Farming (AFF) was formed in 1989 to represent farmers of fruit and vegetables. The information on their website linked below was developed in conjunction with experts in the fields of toxicology, risk analysis, nutrition, health and farming to demonstrate how safe the food supply raised by Americans farmers is for the consuming public. You should consider utilizing facts and videos from this website in social media posts to help promote agricultural products to the general public. <https://www.safefruitsandveggies.com>

CRDF Website

The Citrus Research and Development Foundation (CRDF) has a renovated website designed to make it easier for users to find information on research projects. For the latest in cutting edge citrus disease research information: www.citrusrdf.org.

Research Updates Website

There is a website that provides a venue where you can check on all ongoing citrus related research. Each research project has a brief synopsis of what is happening so far, who is funding it, who the researchers are, etc. The site also provides a wide range of other updated information from UF/IFAS. So check out <http://citrusresearch.ifas.ufl.edu>.

Florida Department of Agriculture and Consumer Services

<http://www.freshfromflorida.com>

University of Florida/Institute of Food and Agricultural Sciences

www.ifas.ufl.edu.

Indian River Research and Education Center, Ft. Pierce

<http://irrec.ifas.ufl.edu>.

United States Horticultural Research Laboratory, Ft. Pierce

http://www.ars.usda.gov/main/site_main.htm?modecode=66-18-00-00

Florida Citrus Extension Agents Web Site

This web site: <http://citrusagents.ifas.ufl.edu> has been developed to help growers' access information from around the citrus industry. You are able to read their citrus newsletters, learn about scheduled meetings, and disseminate information across the citrus industry.

Highlands County Extension Web Site

This web site: <http://highlands.ifas.ufl.edu> was developed and is managed right here in Highlands County. It contains a wealth of information, and links to even more information. You will find local extension citrus meeting announcements, registration information, etc.

IFAS EDIS/IFAS Solutions for Life sites

<http://edis.ifas.ufl.edu> and <http://solutionsforyourlife.com>, for a plethora of information on citrus and other types of agriculture.

Soil and Leaf Tissue Testing

Information about techniques associated with soil and leaf tissue testing at <http://edis.ifas.ufl.edu/ss531>.

Citrus Nutrition

For information on citrus nutrition, you can consult "Nutrition of Florida Citrus Trees" by Drs. Obreza and Morgan. The entire publication can be viewed at <http://edis.ifas.ufl.edu/ss478>.

FDOC Greening Research Updates

The latest greening research information can be viewed online at: <http://www.floridacitrus.org/oj/?s=greening>

FASS Reports

Florida Agricultural Statistics Service (FASS) Reports. https://www.nass.usda.gov/Statistics_by_State/Florida/.

USDA Citrus Crop Update Website

The USDA adjusts the citrus crop estimate on a monthly basis. Get the latest citrus crop estimate updates at: https://www.nass.usda.gov/Statistics_by_State/Florida/Publications/Citrus/index

Southeast AgNet

Daily Ag news posts, audio clips and updates, including citrus news, from the state's only farm broadcast service. They Tweet and provide RSS feeds too. www.southeastagnet.com

Citrus Industry Magazine

Citrus Industry Magazine has been a grower and industry favorite for 90 years. CEU Credit articles are now available on-line here with several scheduled to appear throughout the year. www.citrusindustry.net.

Low Volume Spray Application Techniques

Information from the Low Volume Spray Program series can be found online at: http://citrusagents.ifas.ufl.edu/events/PDF/LowVolumeApplication/LVA_program.htm The information includes currently labeled products for low volume application (2-5 gallons per acre), worker safety, application considerations and factors affecting application success.

SWFWMD Permit Info

You can search for SWFWMD pending permits (by application number, project name, or by county) or sign up for electronic notification of application requests at <http://www.swfwmd.state.fl.us>. Click on the E-Permitting link on the Features List. Click the following link for access: <http://www.swfwmd.state.fl.us/permits/>

OSHA's Agricultural Website

This link is to OSHA's agricultural web page. <https://www.osha.gov/dsg/topics/agriculturaloperations/index.html>

Florida Citrus Mutual

<http://flcitrusmutual.com>.

Florida Farm Bureau

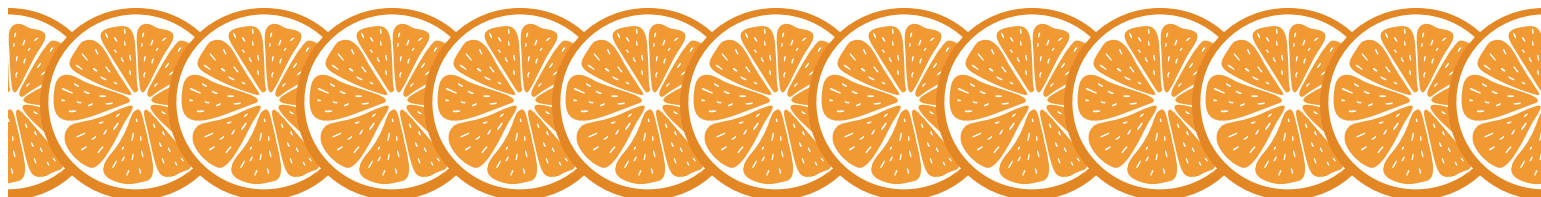
www.floridafarmbureau.org.

FAWN

The Florida Automated Weather Network (FAWN) can be accessed on the web at: <http://fawn.ifas.ufl.edu>

Weather Underground

www.wunderground.com



Associate Members

Please Support Associate Members Who Support HCCGA.

- Active Minerals
Advantage Hedging & Topping, Inc.
Advent Health Foundation
Aerobotics
Ag Flying Services, Inc.
AgLogic Chemicals
Ag Nutrients
Ag-Engine Controls
Aglime Sales, Inc.
AgNet Media, Inc/Citrus Industry Magazine
Agricultural Risk Management
Agriculture Intelligence/ AGROVIEW
Agro-K
Agromillora Florida
AgroSource, Inc.
Ag Technologies
Ag-Tronix
Alan Jay Fleet Sales
Applied Aquatic Management, Inc.
Assured Partners of Florida
Bagwell Lumber Company
Barben Fruit Company, Inc.
BASF
Bayer CropScience
Benny Albritton Grove Service, Inc.
Big T Tire
Bill Jarrett Ford
BioFlora
BioSafe Systems, LLC
Blacksmith BioScience
Blue Goose Growers
BMP Logic
Bowsmith, Inc.
Brandt Consolidated, Inc.
Brite Leaf Citrus Nursery
C-Green-Ag Biotechnology
Carlson Accounting
Carden & Associates, Inc.
Center Ridge Caretaking, Inc.
Central Florida Ag Service, Inc.
Central Florida Media Group
Central Florida Soil Lab
Central Life Sciences
Certis Biologicals
Chemical Containers, Inc.
Chemical Dynamics
CitraPac, Inc.
CitruSaver Fertilizer
CliftonLarsonAllen, LLC
Cohan Radio Group, Inc.
Coker Fuel
Coldwell Banker Highlands Properties
Creative Printing
Crop Disaster Recovery, LLC
Crutchfield & Sons, Inc.
Cutrale Citrus Juices USA, Inc.
D & S Drainage, LLC
David Cannon Well Drilling, Inc.
DeMott Auction Co., Inc.
Diamond R Fertilizer
DFL International
Duke Energy
Dundee Citrus Growers Association
Dunson Harvesting, Inc.
Ecological Laboratories
EIP Citrus Management
Everglades Equipment Group
Everglades Harvesting, Inc.
Farm Credit of Florida
Fauls, Jackie
Fields Equipment Co., Inc.
Fleet Products
Florida Chemical Company
Florida Citrus Mutual
Florida Fertilizer Company, Inc.
Florida Grove Hedgers, Inc.
Florida Senator Erin Grall
Florida Sod of Highlands County, Inc.
Florida Southern College
Florida's Natural Growers
Florikan ESA, LLC
FMC
Frostproof Growers Supply, Inc.
Gator Ag Group, Inc.
GeoAg Solutions
Glade & Grove Supply Co., Inc.
Glades Crop Care
Glades Electric Cooperative, Inc.
Gowan USA
Greater Sebring Chamber of Commerce
Griffin Fertilizer Company
H.C. Clerk of Courts Jerome Kasubowski
H.C. Commissioner Arlene Tuck
H.C. Commissioner Chris Campbell
H.C. Commissioner Don E. Elwell
H.C. Commissioner Kevin Roberts
H.C. Commissioner Scott Kirouac
H.C. Economic Development
H.C. Tax Collector Eric T. Zwyer
Hancock Citrus, Inc.
Harrell's LLC
Hartman Farms
Harvey's Fertilizer & Chemical
Heartland Ag Capital & Consulting
Heartland National Bank
Helena Agri Enterprises. LLC
Hicks Oil Co., Inc.
Highlands County Cattlemans Assoc., Inc.
Highlands County Farm Bureau
Himrod Citrus Nursery
Home & Commercial Irrigation, Inc.
Hood Citrus Caretaking
Howard Fertilizer & Chemical Company, Inc.
Tim Hurner
John H. O'Neal
Johnson Harvesting, Inc.
JW Yonce & Sons
Kahn Citrus Management, LLC/Murphy Ag Solutions
KeyPlex
Krause Services
L. Dicks, Inc.
Lake Placid Caretakers, Inc.
Lake Placid Citrus Cooperative
Laye's Tire Service
Life Soils Florida, LLC
Lisa Sherman, CPA, PA
Living Water Services, Inc.
Locher Environmental Technology, LLC
Locus Agricultural Solutions
M.E. Stephens & Sons Fruit Co., Inc.
Magna-Bon II, LLC
Maxijet, Inc.
MetLife Investment Management
Mike Hurst Citrus Services, Inc.
Miller Chemical & Fertilizer
Morgan Stanley Wealth Management
Newton Crouch, Inc.
NovaSource
Nufarm Americas, Inc.
NUTECH
Nutrien Ag Solutions
OK Corral Gun Club
Ole South Auto Salvage, Inc.
Orchid Island Juice Company
ORO Agri, Inc.
Pantuso, Inc.
Patriot Welding Supply
Peace River Citrus Products, Inc.
Performance Nutrition/ LidoChem
Phillip Rucks Citrus Nursery, Inc.
Plant Food Systems
PGIM Real Estate Finance
Quail Creek Sporting Ranch
Rabo Agri Finance
Ridge Equipment Company
Rogers Petroleum, Inc.
Seminole Tire Co. of Lake Placid
SEVEN Sebring Raceway Hotel
Shutts & Bowen, LLP
John F. Smoak and Sons
Smoak Groves, Inc.
Somers Irrigation, Inc.
Southeast Ag Solutions
Southeast Green Space, LLC
South Florida State College
South Ridge Abstract and Title Co.
South State Bank
Southern Citrus Nurseries
Southern Gardens Grove Corp.
Southridge Citrus Nursery, Inc.
Stallings Crop Insurance Corporation
SunRidge Harvesting Company
SVN Saunders Ralston Dantzier Real Estate
Syngenta
Taylor Oil Company, Inc.
Tessenderlo Kerley, Inc.
The Avanti Company
The Story Companies
TIMAC Agro USA, Inc.
Trademark Nitrogen
Tradewinds Power Corp
TriEst Ag Group
TriYield
Tree Defender
Triangle Chemical Co.
Triangle Hardware
Tropicana Products, Inc.
Valent
Vortex Granular Solutions. LLC
W.A. Williams Citrus Nursery & Service Inc.
Wards Nursery, Inc.
Wauchula State Bank
Waypoints Financial
Wedgworth, Inc.
Wells and Associates Insurance
Wheeler Brothers, Inc.
Wicks, Brown, Williams and Co., CPAs
Yara North America, Inc.



PRSR STD
US POSTAGE
PAID
LAKELAND FL
PERMIT NO 5504

6419 US Hwy 27 South • Sebring, FL 33876-5712
863.385.8091 • www.hccga.com



Cutting Edge Nutrition & Crop Protection for Trees Impacted by Citrus HLB

BRANDT, a leading provider of specialty inputs, offers a wide range of proprietary nutrition and crop protection products. The following products are recommended to help treat trees that have been impacted by Citrus HLB.

Spring Pre-Bloom through Post-Bloom Sprays:

Foliar Feed with Boron, Calcium and Magnesium

- **BRANDT® Manni-Plex® Cal-Mag** - high efficiency foliar calcium/magnesium
- **BRANDT Manni-Plex for Citrus** - high efficiency foliar nutrient combo for citrus
- **BRANDT Smart B-Mo** - high efficiency foliar boron/molybdenum
- **Celite® 610** - mechanical insecticide that contains 100% diatomaceous earth, OMRI Listed

Complexed Nutrients:

Feed with Dry Lignosulfates

- **Agra Sol** - dry soluble powder chelated micronutrients

Summer Oil Sprays:

Foliar Feed and Protect

- **BRANDT Smart K B** - high efficiency foliar potassium/boron
- **Nordox® 75 WG or 30/30** - copper fungicide, OMRI Listed
- **TresOil®** - emulsified fungicide/insecticide spray oil, OMRI Listed

*For more information, contact J.R. Gough at
Jr.Gough@brandt.co or 863 781 0363*

Brandt Consolidated, Inc.
www.brandt.co

BRANDT®