

RIVER RAMBLINGS



The newsletter of the
Indian River Citrus League
SEPTEMBER 2017

Hurricane Irma Relief Package in the Works



A hurricane relief package for Florida citrus growers is in the works with Commissioner of Agriculture Adam Putnam and Mike Sparks, Executive Vice President of Florida Citrus Mutual spearheading the process. Mr. Sparks spoke Wednesday (September 27, 2017) to the League's closed-door board meeting addressing questions and provided an update of the necessary steps for a relief package. He stressed that

Commissioner Putnam is working closely with the White House, U.S. Senators Nelson and Rubio, and key Florida Congressmen on creating a program that will provide relief.

The ground work for the program has already begun with Mutual's state-wide effort to collect grower information on crop and tree losses sustained during hurricane Irma. If you have any photos or data on incremental crop loss, please forward them onto Florida Citrus Mutual at floridacitrusmutual@yahoo.com

Also there have been multiple grove tours highlighting the hurricane impacts to the crop and trees. These tours have included the Secretary of Agriculture Sonny Perdue, U.S. Senators Nelson and Rubio and key Florida congressional leaders like Tom Rooney.

Details are still being hammered out so there was no definitive information on timing and the amount of funding that will be available. A direct payment relief package to growers is the priority however. Mutual is moving as quickly as possible and we are lucky to have Commissioner Adam Putnam quarterbacking the relief package.

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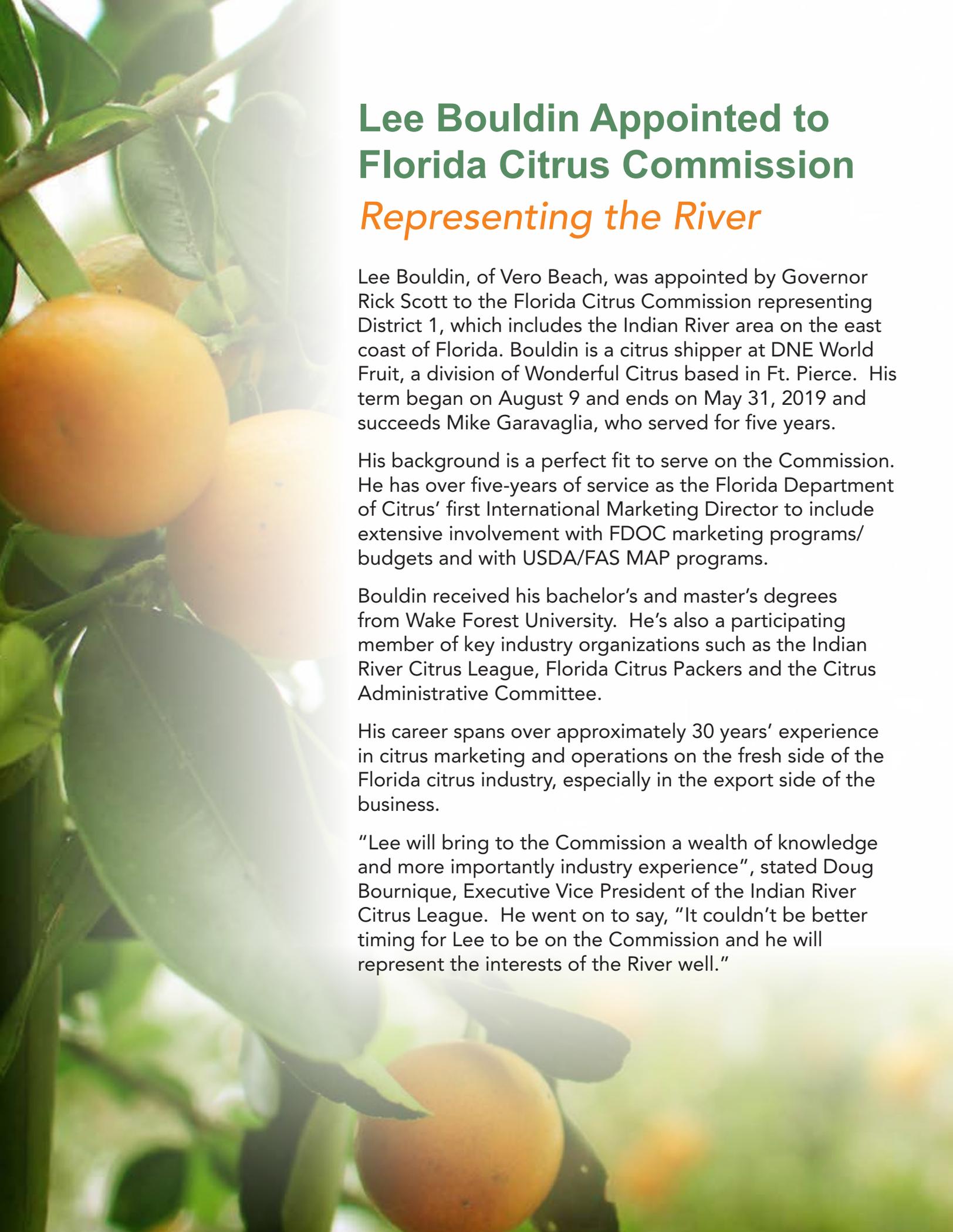
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Lee Bouldin Appointed to Florida Citrus Commission

Representing the River

Lee Bouldin, of Vero Beach, was appointed by Governor Rick Scott to the Florida Citrus Commission representing District 1, which includes the Indian River area on the east coast of Florida. Bouldin is a citrus shipper at DNE World Fruit, a division of Wonderful Citrus based in Ft. Pierce. His term began on August 9 and ends on May 31, 2019 and succeeds Mike Garavaglia, who served for five years.

His background is a perfect fit to serve on the Commission. He has over five-years of service as the Florida Department of Citrus' first International Marketing Director to include extensive involvement with FDOC marketing programs/budgets and with USDA/FAS MAP programs.

Bouldin received his bachelor's and master's degrees from Wake Forest University. He's also a participating member of key industry organizations such as the Indian River Citrus League, Florida Citrus Packers and the Citrus Administrative Committee.

His career spans over approximately 30 years' experience in citrus marketing and operations on the fresh side of the Florida citrus industry, especially in the export side of the business.

"Lee will bring to the Commission a wealth of knowledge and more importantly industry experience", stated Doug Bournique, Executive Vice President of the Indian River Citrus League. He went on to say, "It couldn't be better timing for Lee to be on the Commission and he will represent the interests of the River well."

CREC 100th Anniversary Celebration

By Dr. Jack Payne
UF/IFAS

Senior Vice President for Agriculture and Natural Resources

UF

UNIVERSITY of FLORIDA

First, the fun part: you're invited to a 100th birthday party. The Citrus Research and Education Center was established in 1917, and in November we'll celebrate its century of science with a special event.

Turning 100 is cause enough for celebration, but it will be more than a social event, because what may be the world's single largest research center dedicated to a single commodity still has opportunities to share its story. The industry changes, and so do we.

For example, not everyone realizes that it's run by the University of Florida's Institute of Food and Agricultural Sciences. That means the center taps into a network of statewide academic expertise on citrus.

And while there's recognition that almost all of our faculty have a hand in the fight against HLB, what sometimes isn't fully appreciated is their wide variety of expertise: horticultural sciences, entomology, agricultural and biological engineering, food science, plant pathology, soil and water science, microbiology and cell science, and food and resource economics.

So we're determined to get the word out, even after a century. The more folks know us, the more we can help people with science-based solutions.

Getting that word out through a 100th anniversary celebration also tells you something else that's important to know: That the UF/IFAS Citrus Research and Education Center is in your industry for the long haul. We've been here through canker, freezes, spreading decline, and a decade of HLB.

Many in the industry may know the people of CREC much better than they know the center itself. Indeed, Jackie Burns, Harold Browning, Walt Kender, Bob Koo, and Ivan Stewart were industry leaders as well as respected scientists.

They've passed the baton to Michael Rogers, Jude Grosser, Fred Gmitter and others working today's greenhouses and experimental groves. And I've told you in this space about some of the names we think you'll be hearing for decades to come: Nian Wang, Yu Wang (no relation), and Christopher Vincent, to name a few.

So please save the date of Nov. 29 on your calendars and plan to be in Lake Alfred. We'll hold it in the Ben Hill Griffin, Jr. Citrus Hall at CREC.

We expect we'll see old friends, longtime supporters, VIPs, and collaborators. But we also hope we'll see people who aren't as familiar with what goes on in Lake Alfred and maybe had no idea that it's been going on since 1917.

It's important to mark this milestone in the history of CREC, a history filled with instances of growers, processors, and other industry players working together to overcome challenges. Coming together, whether it's in a grove or a conference center, gives us hope for the future of the industry.

If for some reason you can't make it in November, tell your grandsons and granddaughters who go into the citrus business that we hope we'll see them at our 150th!

UF/IFAS Citrus Research and Education Center 100th Anniversary Celebration Wednesday November 29, 2017 Ben Hill Griffin, Jr. Citrus Hall

Please join us to celebrate the 100th anniversary of the UF/IFAS Citrus Research and Education Center. The morning program will feature speakers from the University of Florida and UF/IFAS faculty. Guests can learn about the latest research on fighting citrus greening, tours of experimental groves and meet with research faculty during afternoon tours and site visits.

9:00 a.m. Registration

9:30 a.m. – 11:30 a.m. Program

11:30 a.m. Lunch

12:30 p.m. – 3:30 p.m. Grove visits, research demonstrations, tours

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Syngenta Initiates Summer Intern Recruiting

September 15th, 2017

Syngenta has kicked off their recruiting efforts for the 2018 Florida Intern Program. As you are aware, Syngenta interns play a primary role in supporting key brands in the Florida citrus industry. Their field activities provide the key link between Syngenta and growers, while helping ensure optimal product performance.

The summer internship of 2017 was a success in supporting the Syngenta Citrus Portfolio by providing scouting, root mass sampling and phytophthora analysis. Expanded services across more acres were an important key to this summer's success. These services have increased in their value to growers over time. Syngenta's 2018 marketing plans are underway and include further market growth of their brands. The Syngenta internship program is the conduit for providing these important services and will be a fundamental part of their overall marketing strategy.

Below are a list of intern qualifications; these are not meant to be exclusive, but rather to help narrow our search.

- Seeking future employment in agriculture
- Basic familiarity with production agriculture
- Basic familiarity with insect, disease, and weed control
- Basic computer skills
- Willingness to work outdoors, experience preferred
- Self-motivated, detail oriented, honesty, and personable
- Ability to relocate to or originally from one of the following counties; Polk, Highlands, Hardee, Desoto, Hendry, Collier, Lee, Okeechobee, Martin, Osceola, St. Lucie, or Indian River
- Sophomore or Junior level (Seniors will be considered)



These internships represent an outstanding opportunity for the right candidate. In addition to the technical and professional skills gained from Syngenta Crop Protection, students will have an excellent opportunity to demonstrate their abilities to some of the most influential organizations in the Florida agricultural industry. Students will be provided with comprehensive training, skilled mentoring, and will be part of a respected professional team executing a multi-million dollar sales initiative and marketing strategy.

Syngenta is currently recruiting for up to six intern positions with an approximate start date of May 14, 2018 and an approximate end date of August 10th, 2018.

The Florida internship locations are designated as follows:

- 2 east coast scout intern - Indian River, St. Lucie, or Martin Counties
- 1 southwest scout intern - Lee, Hendry, or Collier Counties
- 1 west central scout intern - Highlands, Hardee or Desoto Counties
- 2 central scout intern - Osceola, Polk or Highlands Counties

Syngenta is one of the world's leading companies with 28,000 employees in over 90 countries dedicated to one purpose: bringing plant potential to life. We contribute to addressing some of the planet's most critical issues such as the rising demand for food from a growing population. Working for Syngenta offers you the opportunity to play a part in addressing one of the most urgent challenges facing global agriculture today where we need to feed 200,000 more people every day.* Come be part of our good growth plan: one planet, six commitments: Make crops more efficient, rescue more farmland and help biodiversity flourish; empower smallholders, help people stay safe and look after each worker. * Our work matters. There has never been a better time to join Syngenta!

Please have all interested candidates email their resumes directly to zach.langford@syngenta.com The Syngenta sales team will be interviewing interested candidates now through December 2017 at which time they hope to have all candidate selections complete.

Farm Labor Supervisor Fall 2017

Training Schedule Announced

Schedule Locations and Dates

- Sebring- October 10 – 11
- Wimauma- October 17-18
- Immokalee- November 7 – 8
- Arcadia- November 14 - 15.

Additional dates and locations may be scheduled on request, as well as on-site trainings.

The fall classes will include substantial amounts of new material this season. More of the classes will include case studies, and current case studies from 2016 and 2017 will be used.

Substantial information about the H-2A guest worker program is being incorporated into three of the standard classes: Farm Labor Contractor Basics, Wage & Hour, and Management Communications.

Transportation Rules and Regulations are being moved into FLC Basics and Wage & Hour, to make room for a new segment called Healthy Farm Employees on the morning of day two. This consists of three classes to be taught by health-care professionals: Managing Hypertension, Diabetes, and Managing Stress. These classes are important for the attendees individually and will include valuable information that can and should be passed on to farm worker employees. In some locations, optional screenings will be available.

The Agricultural Equipment Safety class is being redesigned to include the types of equipment hand laborers are involved with, including field trucks and goats, mechanical transplanter, hydraulic hammers, knee issues with certain types of ladders, and electrocution.

See the flyer on page 6 for details, and contact Barbara Hyman (hymanb@ufl.edu, 239-658-3461) or Carlene Thissen (carlene@ufl.edu, 239-658-3449) if you need further information.



Indian River Citrus League

2017



Board of Directors

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Indian River Select
Daniel Scott
Scott Citrus Management

FARM LABOR SUPERVISOR TRAINING

SCHEDULE FOR FALL, 2017

DAY 1		DAY 2	
DAY 1—TIME	Classes	DAY 2—TIME	Classes
8:00 am - 8:30 am	Registration	8:00 am - 8:30 am	Registration
8:30 am - 10:15 am	Farm Labor Contractor Basics & Navigating H-2A	8:30 am - 11:30 am	Healthy Farm Employees -Controlling Hypertension -Managing Diabetes -Managing Stress
10:30 am - 12:15 pm	Wage/Hour Regulations & Managing H-2A Workers	11:30 am - 12:15 pm	Lunch
12:15 pm—1:00 pm	Lunch	12:15 pm—1:30 pm	Heat Stress Prevention
1:00 pm—2:30 pm	EEOC Compliance—Harassment and Discrimination	1:45 pm - 3:30 pm	Hand Labor Equipment Safety
2:45 pm - 4:30 pm	Management Communications		

Oct. 10 -11, 2017

SEBRING

UF/IFAS Highlands County Extension Office
4509 George Blvd.
Sebring, FL 33875
Ph: 863-402-6540
Register:
<https://fls2017sebring.eventbrite.com>

Oct. 17 -18, 2017

WIMAUMA

UF/IFAS Gulf Coast Research & Education Center
14625 CR 672
Wimauma, FL 33598
Ph: 813-419-6670
Register:
<https://fls2017wimauma.eventbrite.com>

Nov. 7 - 8, 2017

IMMOKALEE

UF/IFAS SW Florida Research & Education Center
2685 State Road 29 N
Immokalee, FL 34142
Ph: 239-658-3400
Register:
<https://fls2017immokalee.eventbrite.com>

Nov. 14 -15, 2017

ARCADIA

Turner Agri-Civic Center Exhibit Hall
2250 NE Roan St.
Arcadia, FL 34266
Ph: 863-993-4846
Register:
<https://fls2017arcadia.eventbrite.com>

Who should take these classes? Labor Supervisors, Contractors, Crew Leaders, Foremen, Bus & Van Drivers, Human Resources, Payroll, Compliance, Labor Managers, and Farm Managers.

Language: English or Spanish

Class information: A Certificate of Farm Labor Management is earned by attendees who pass tests in all classes.

FEE: \$50 per class, \$350 for two full days

Minimum Class Size: 10 participants

To register visit: <http://swfrec.ifas.ufl.edu/programs/economics/fls> or go directly to the Eventbrite page shown for each location.

For More Information, contact: Barbara Hyman (239) 658-3461 (hymanb@ufl.edu) or Carlene Thissen (239) 658-3449 (Carlene@ufl.edu)

Rootstock Options for Grapefruit Varieties Suggested by Field Research Conducted in the Indian River Region*



Bill Castle, Professor Emeritus, UF/IFAS/Citrus Research and Education Center, Lake Alfred
with inputs from Drs. Fred Gmitter and Jude Grosser, CREC/Lake Alfred

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[863] 956-1511

August 23, 2017

Sour orange has been the Indian River's preeminent rootstock with a long successful history of use for grapefruit varieties. Citrus tristeza virus used to be the only concern among growers with trees on sour orange, but now there are other problems such as greening disease and Diaprepes weevil. Are there any new rootstock options beyond sour orange? Yes. Many growers have cooperated with us in trials on their property in the River region as we have searched for rootstocks with attributes similar to the desired ones of sour

orange. The results of the older trials were published and are available on the CREC Rootstock Selection Guide website:

http://www.crec.ifas.ufl.edu/extension/citrus_rootstock/templates/guide/. Go to the website and search <grapefruit>.

Listed below are two of those publications, each with an edited abstract and pertinent information highlighted regarding the most promising rootstocks. These trials were conducted primarily when blight was of foremost concern. Canker and HLB had not yet caused any changes in production practices among the trial sites.

The third trial described below was active until recently. HLB affected the trial with differences apparent among rootstocks.

1. Castle, Bowman, Baldwin, Grosser and Gmitter. 2011. **Rootstocks Affect Tree Growth, Yield, and Juice Quality of 'Marsh' Grapefruit**. HortScience 46(6):841–848.

http://www.crec.ifas.ufl.edu/extension/citrus_rootstock/Rootstock_Literature/Castle%20et%20al.%20Becker%20Hobe,%20HS.%20Hobe%20Sound%20Marsh%20Rtstk.pdf

This trial was conducted on a site just west of Hobe Sound. The 'Marsh' grapefruit trees were planted in June 1995. Formal data were collected until 2004. More than 40 rootstocks were evaluated. Cropping began and yield was first recorded when the trees were two years old.

Abstract. Two adjacent rootstock trials were conducted in the east coast Indian River region of Florida with 'Marsh' grapefruit scion. The objective was to find rootstocks to replace sour orange because of losses to citrus tristeza virus, and to replace Swingle citrumelo because of its limited usefulness in certain poorly drained coastal sites. The trials were conducted in randomized complete blocks with 12 single-tree replicates with trees spaced 15 x 22 ft. The soils were of the Wabasso and Riviera series. The first trial consisted largely of trees on citranges and citrumelo rootstocks, 'Cipo' sweet orange and various hybrid rootstocks. The second trial involved mandarin rootstocks and sour orange and related rootstocks. Trees were grown for 7 years. Yield and juice quality data were collected for the last 4 years of that period. Those rootstocks identified as the most promising, based on combinations of smaller tree size and high productivity and juice quality, were a USDA Sunki mandarin x Flying Dragon trifoliolate orange [TF] hybrid [same parentage as **US-942**], two Sunki mandarin x Swingle trifoliolate orange hybrids (**C-54, C-146**), **C-35 citrange**, and a Cleopatra mandarin x Rubidoux TF hybrid (**x639**). The trees on these five rootstocks cropped well leading to soluble solids (SS) values of 2,700 to 3,000 PS/acre when they were 7-years old. The trees on C-54 and C-146 were relatively large, somewhat taller than trees on sour orange, whereas those on C-35 and the Sunki x Flying Dragon hybrid were smaller and similar to sour orange in tree height. Juice quality among the trees on C-35 and the Sunki x Flying Dragon hybrid was relatively high with SS concentrations better than sour orange while fruit from trees on the other three rootstocks had lower solids concentration than sour orange. The trees on C-35 and the Sunki x Flying Dragon hybrid would be good candidates for higher density orchards.

2. Castle. 2012. **Horticultural and Economic Impact of Rootstocks on Fresh-market 'Marsh' Grapefruit**. HortScience 47(8):1007–1013. 2012.

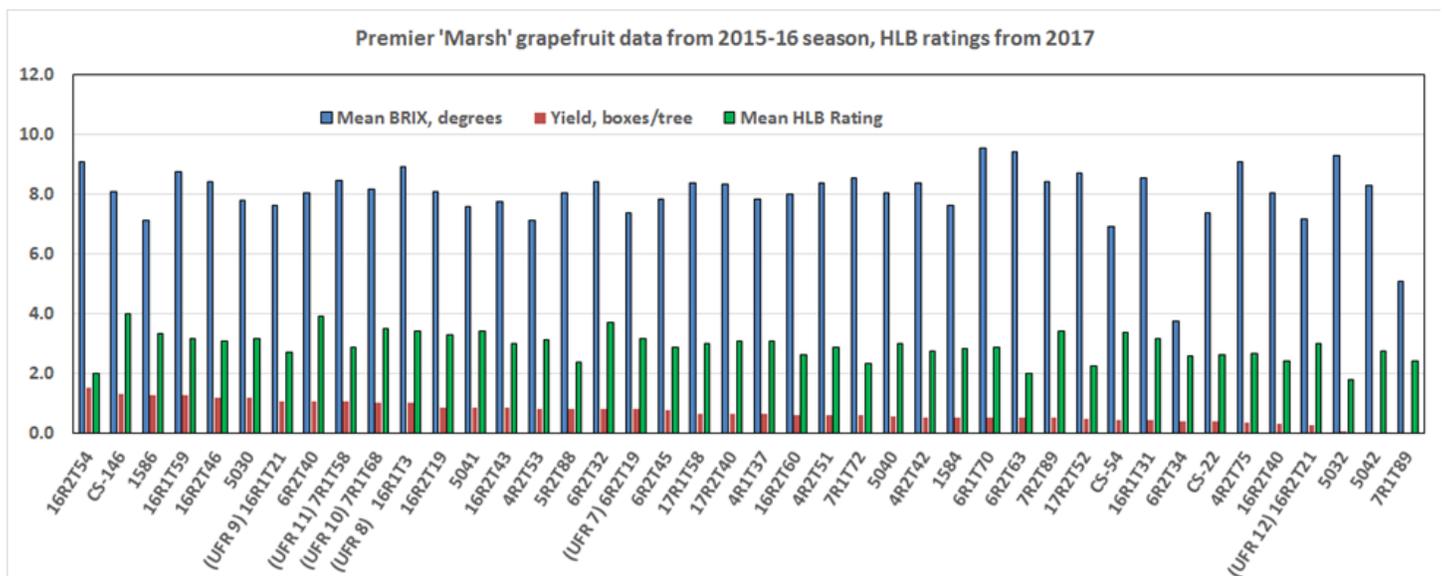
http://www.crec.ifas.ufl.edu/extension/citrus_rootstock/Rootstock_Literature/2012%20Greene.%20HS,%20Greene%20Rtstk%20Trial.pdf

This trial was located off of Orange Avenue, west of Fort Pierce. The ‘Marsh’ grapefruit trees on 14 rootstocks were planted in September 1990. Cropping began when the trees were two years old. Yield was first measured at that time and continued for 10 years. In three of those years, the whole crop was harvested from each tree and fruit size distribution measured in the field with a portable sizer.

Abstract. A rootstock trial with a ‘Marsh’ grapefruit scion was established in the flatwoods of the Florida east coast Indian River region in 1990. The trees were planted in an Alfisol of the Pineda series. The trial consisted of trees on 16 rootstocks, primarily citranges, mandarins and various hybrids, in three or six replicates of three-tree plots in a randomized complete block design. Tree growth and survival, yield, and juice quality were measured annually or periodically for 10 years. In three seasons, whole-tree crops were sized in the field. Using the fruit size distribution data, crop value or income/tree was estimated. Tree height after 10 years ranged from 5.6 to 13.5 ft and survival was greater than 90% with a few exceptions. Mean cumulative yield was 295 boxes/tree and ranged from 16 boxes (Hamlin + Flying Dragon trifoliolate orange) to 40 boxes/tree for a hybrid of trifoliolate orange x Milam (PTM 1584). At tree age 9 years, mean soluble solids production was 32,100 PS/acre with a 240% difference between the lowest and highest value. There were differences in the distribution among four commercial-sized fruit size categories. When the yield and fruit size data were combined for 3 years and converted to income/tree using commercial Florida Freight On Board prices in November and March, the trees on a trifoliolate orange x Milam hybrid (1584) had the highest estimated income (\$354 U.S., March data) followed by Calamandarin (\$321) and Norton citrange (\$292). The lowest income/tree was \$112 (Hamlin + Flying Dragon trifoliolate orange). When all data were considered, the best matches to current grower interest in smaller sized trees, high yield and fruit quality, were the hybrid 1584 and C-35 citrange rootstocks.

3. Castle, Gmitter, Grosser. 2017. Rootstocks for ‘Marsh’ Grapefruit with Emphasis on Horticultural Performance and Response to Greening Disease [HLB].

- This trial was planted in March 2007 at a location off of Highway 60, west of Vero Beach, in E-W double-row beds at 15 x 25 ft. There were plots of mostly 6 trees, replicated 4x, or 24 trees total/rootstock.
- There were 42 rootstocks, mostly citranges created in the CREC plant breeding program plus other hybrids introduced from California and Brazil.
- The trees began bearing at two years of age when yield data were first collected. Yield and juice quality data collection continued for 8 more years.
- The trial trees were rated most years for the incidence and tree effects of HLB. Additionally, in October 2014, the CREC plant breeding team hosted a field day in which the 50 or so folks attending were asked to walk through the Marsh trees and mark on a map all the “good” trees they saw regarding tree and fruit condition. Those marked maps were collected and the data compiled.
- **The Good news?** The best trees as discerned by growers in 2014 have remained largely the same when reassessed in 2017.
- Recent data and ratings are presented in the figure below with rootstocks annotated with their UFR release number.
- Among the top performing 20-25% of rootstocks were:
 - C-146
 - UFR 8, 9, 10 and 11



The HLB ratings: 0 = dead; 1 = obvious HLB visual limb/leaf symptoms with tree stunting and fruit drop; 2 = leaf symptoms present with some tree decline but less so than for a tree rated 1 and some fruit drop; 3 = mild HLB leaf and limb symptoms, but tree in fairly good condition with little fruit drop; 4 = some leaf symptoms, little effect of HLB with light fruit drop; good crop; 5 = few symptoms; little to no fruit drop; good crop of wholesome fruit. NOTE: Ratings are the average across all trees on each rootstock.



FOR IMMEDIATE RELEASE

Hamner Receives Florida Citrus Packers' Highest Honor

MAITLAND, Fla. (August 28, 2017) Florida Citrus Packers honored George F. Hamner Jr. with its John T. Lesley Award for Excellence at Packinghouse Day on August 24, 2017. The John T. Lesley Award is the organization's highest recognition, reserved for individuals making sustained and outstanding contributions to Florida's fresh citrus industry. The list of recipients reads like a "who's who" of the Florida citrus industry.

Mr. Hamner served as president of Florida Citrus Packers, Indian River Citrus League, and Florida Citrus Mutual, and he presently chairs the Citrus Administrative Committee, overseeing a Federal marketing order for fresh Florida citrus. He also presently serves on the Boards of Florida Citrus Packers, the Indian River Citrus League and New Varieties Development & Management Corp. He is active in numerous local organizations and charities. Mr. Hamner has long demonstrated strong and reliable leadership in the areas of trade, state and federal regulatory issues, environmental policy and product quality. He has always been willing to study the issue, seek a reasoned consensus and put in the necessary hard work and time, and Florida Citrus Packers is proud to honor his many contributions.

Florida Citrus Packers congratulates Mr. George Hamner Jr. - Recipient of the 2017 John T. Lesley Award.

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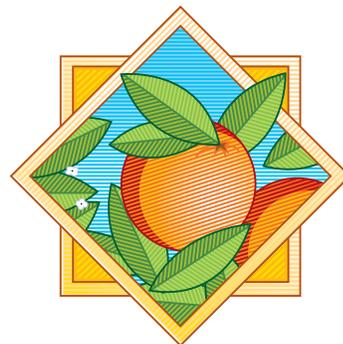
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Upcoming Events



January 23, 2018 - Indian River Citrus League Banquet

Sponsorship opportunities available.

January 24-25, 2018 – Florida Citrus Show

For exhibitor and sponsorship opportunities, please contact Chad Gillyard at Florida Grower Magazine.

Cgillyward@meistermedia.com or 407/539-6552, ext. 17.

March 23, 2018 – Third annual River Fun Shoot

Sponsorship opportunities available

Newsletter Advertising

Publication schedule is September through June.

For more information on these opportunities, please contact the League office

772/595-5026 or info@ircitrusleague.org



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Winter, Bell Co.
Yara North America, Inc.



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membership opportunities

Our Associate Membership provides opportunities to network with existing customers and potential customers by providing opportunities to sponsor events scheduled throughout the year. Their partnership with our organization is important to us. If interested in joining our organization, please contact the League office for further details.



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Looking for a way to reach our readers? Why not try our newsletter that reaches our grower members, packinghouses, associate members and affiliated businesses that make up the Indian River citrus growing district. Our publication schedule is September through June and is distributed electronically. Also, the newsletter is posted on our website of www.ircitrusleague.org. If interested, please call the League office at 772/595-5026 or email at info@ircitrusleague.org for more details.

Ad Copy Specifications

Fonts

- Please embed all fonts.
- Do not use artificial font formatting; all formatting (bold, italics, etc.) must be done using stylized fonts.

Logos

- When submitting logos, convert all fonts to outlines.
- Preferred format: vector eps

Color

- We print in 4-color CMYK process.
- All pantone colors must be converted to CMYK.
- Black type should be made with 100% black.

Resolution

- Resolution should be a minimum of 300 dpi at actual size.
- 72 dpi images pulled from websites are not acceptable.
- Line art should be scanned at a minimum of 600 dpi.

File Format

- PDF files and InDesign files are preferred (collected output to include layout, linked pictures, embedded pictures, color profiles, screen fonts and printer fonts).
- Other file formats accepted:
 eps (Adobe Illustrator)
 tif (Adobe Photoshop)
 jpg (Adobe Photoshop)

Ad Size Specifications / Rates

- **Business Card**
 2.833 inches across by 2 inches down
 \$60/month
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- **1/2 Page**
 8.5 inches across by 5.5 inches down
 \$200/month
 \$150/month w/ a monthly commitment through June
- **Full Page**
 8.5 inches across by 11 inches down
 \$300/month
 \$225/month w/ a monthly commitment through June
- **Bleed**
 Please allow at least 1/8" bleed.
Do not include printers marks.
- Please email all advertising materials to graphics@creativeprinting.net

