



[Like us on Facebook and Check out our YouTube Channel](#) –

New Videos now available

For Covid19 Update from UF and IFAS please visit these links:

<http://www.ufl.edu/health-updates/>

As of today, January 22, 2021 GCREC remains closed to the public.

Our research continues with a limited number of essential staff, and we are so grateful for their continued dedication. For information contact Christine Cooley ccooley@ufl.edu. Administrative staff is on site every day, so please call if you need assistance 813-419-6670.

Give Back - Want to support Gulf Coast Research and Education Center? Consider making an online gift today! Questions can be directed to Cody Helmer at (352) 392-1975 or chelmer@ufl.edu.

GCREC hosts Virtual Field Day on Wednesday, February 10, 2021

All the best research updates just as if it were presented in person! Registration today - <https://gcrecvirtualfieldday2021.eventbrite.com>. The event will start at 9 a.m. and will be broadcast via Zoom throughout the day. You must register in order to get the link to the broadcast. After the event, you will still be able to view the presentations on our YouTube Channel. Registration is free and there is an application for CEUs in process. **NOTE: SCHEDULE AND PRESENTATIONS ARE SUBJECT TO CHANGE. COMPLETE DETAILS WILL BE EMAILED TO THOSE WHO REGISTER.**

Welcome Remarks: Dr. Scott Angle, Vice President of IFAS and Dr. Jack Rechcigl, GCREC Center Director/Professor

Strawberry Breeding:

Dr. Vance Whitaker, Assoc. Professor – *Two New UF Strawberry Varieties*

Dr. Seonghee Lee, Asst. Professor – *Strawberry Tissue Culture and Cultivar Improvement*

Ag Economics:

Dr. Zhengfei Guan, Assoc. Professor – *Mexican Trade Updates*

Pest/Disease Control for Strawberries:

Dr. Johan Desaeager, Asst. Professor – *Overview of Chemical and Non-Chemical Nematode Management in Vegetables and Strawberries*

Dr. Sriyanka Lahiri, Asst. Professor – *Insect Management in Organic Strawberry*

Dr. Natalia Peres, Professor – *Neopestalotiopsis on Strawberry*

Tomato Breeding:

Dr. Sam Hutton, Assoc. Professor – *Breeding Approaches to Develop Tomatoes for Mechanical Harvest; and Progress in Advancing Bacterial Wilt Resistance for Large Fruited Tomatoes*

Dr. Tong Geon Lee, Asst. Professor – *Research Focuses on the Study of Tomato Genetics and its Application in Solving Problems in Tomato Production*

Pest/Disease Control for Vegetables:

Dr. Nathan Boyd, Assoc. Professor – *Effects of Chloropicrin and 1,3-Dichloropropene Ratio and Rate on Pest Control*

Dr. Joseph Carrillo, Post Doc Assoc. and Dr. Gary Vallad, Professor – *Evaluation of Biological and Conventional Pesticides for Fusarium Wilt Management on Tomato and Watermelon*

Dr. Gary Vallad, Professor – *Identifying and Managing Downy Mildew on Common Cucurbit Species*

Dr. Hugh Smith, Assoc. Professor – *Managing Invasive Pests in an Agriculturally Diverse State*

Soil and Water Science:

Dr. Mary Lusk, Asst. Professor – *Excess Nutrients in Florida's Water – Where do they come from?*

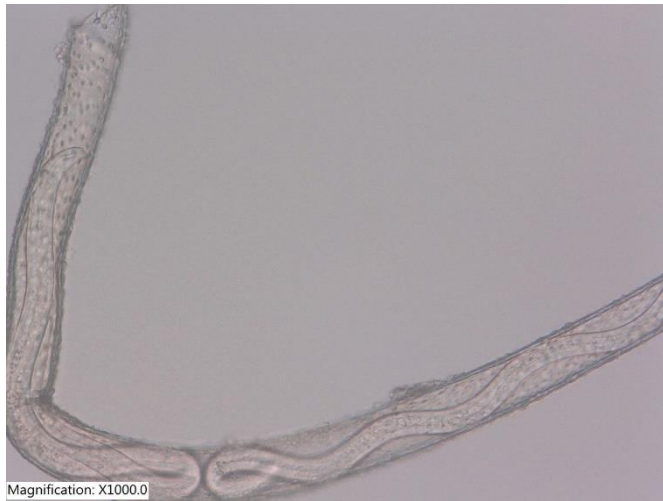
Geomatics:

Dr. Amr Abd-Elrahman, Assoc. Professor – *Using Drone and Ground Images in Phenotyping and Precision Agriculture Applications*

Plant Physiology:

Dr. Shinsuke Agehara, Asst. Professor – *Double-Season Hop Production in Florida – How to grow hops in the subtropics*

Registration today - <https://gcrecvirtualfieldday2021.eventbrite.com>.



**SOCIEDADE
BRASILEIRA DE
NEMATOLOGIA**

"Young Nematologist" Photo Contest

3rd place: Clemen de Oliveira, Student with Dr. Johan Desaeger's program at GCREC

Photo: *Aphelenchoides pseudogoodeyi* within the soy tricola

Congratulations Clemen!

UF/IFAS Extension Bookstore featuring Two Books by Dr. Andrew Koeser and his Team



With respect to our upcoming Florida Arbor Day, we recommend a pair of incomparable tree guides; [Trees: North and Central Florida](#) and [Trees: South Florida and the Keys](#) are indispensable references for identifying hundreds of common trees in Florida. Both contain beautiful, detailed photographs that show leaves, bark, flowers and full trees, as well as clear descriptions and tools like a diagnostic key and glossary. \$24.95 each – quantity discounts available!

UF/IFAS VEGETABLE PRODUCTION HANDBOOKS NOW AVAILABLE –
Contact Christine Cooley to get yours today ccooley@ufl.edu

GCREC in the News

Florida hemp research: Diseases present, minimal impact (quotes Johan Desaegeer, Gulf Coast REC)

<https://vscnews.com/florida-hemp-research-diseases-pests-impact/>

Less pesticide needed to control thrips in strawberries, study says

<https://vegetablegrowersnews.com/news/less-pesticide-needed-to-control-thrips-in-strawberries-study-says/>

Neopestalotiopsis fruit rot survives in Florida fields

<https://vscnews.com/nesopestalotiopsis-fruit-rot-florida-strawberries/>

University of Florida attempting to grow white strawberries in Sunshine State

<https://www.fox13news.com/news/university-of-florida-attempting-to-grow-white-strawberries-in-sunshine-state>

Global group recognizes UF/IFAS engineer for strawberry spray app

- <https://www.growingamerica.com/news/2021/01/global-group-recognizes-ufifas-engineer-strawberry-spray-app>
- <https://southeastagnet.com/2021/01/13/global-group-recognizes-uf-ifas-engineer-strawberry-spray-app/>
- <https://www.morningagclips.com/global-group-recognizes-uf-ifas-engineer-for-strawberry-spray-app/>

Hops Research Update



GCREC hops went dormant over the winter. We pruned senesced stems at the ground level in mid-January. Plants will break dormancy and develop new shoots in a month. In the meantime, we are working on the repair and maintenance of the hops yard to get ready for the spring season.

New Publications

Vance Whitaker, Associate Professor

[http://journal.frontiersin.org/article/10.3389/fgene.2020.596258/full?&utm_source=Email_to_authors&utm_medium=Email&utm_content=T1_11.5e1_author&utm_campaign=Email_publication&field=&journalName=Frontiers in Genetics&id=596258](http://journal.frontiersin.org/article/10.3389/fgene.2020.596258/full?&utm_source=Email_to_authors&utm_medium=Email&utm_content=T1_11.5e1_author&utm_campaign=Email_publication&field=&journalName=Frontiers%20in%20Genetics&id=596258)

Grant Awards

2021 UF/IFAS Early Career Seed Grant – Awarded to Dr. Shinsuke Agehara

2021 UF/IFAS Early Career Seed Grant – Award to Dr. Maryh Lusk to study how nutrients in stormwater and municipal wastewater spills can be used by *Karenia brevis*, the organism responsible for Florida red tide

Social Media

GCREC is dedicated to make sure we share our amazing research with everyone – worldwide. One lesson we have learned during the last year is social media is something to embrace and certainly an easy way to disseminate information. You can find us on the following social media outlets:

[YouTube.com](#)

[Facebook](#)

[UF/IFAS Blogs](#)

Recent Posts on YouTube

Virtual hopyard tour, YouTube

<https://youtube.com/playlist?list=PL4qrjj3jZ6i57aJHMBAgccdHDleJ4TZ4f>

Horticultural Crop Physiology Lab updates, Facebook <https://www.facebook.com/UFHortLab>

Hops research updates, Facebook <https://www.facebook.com/UFHops>