

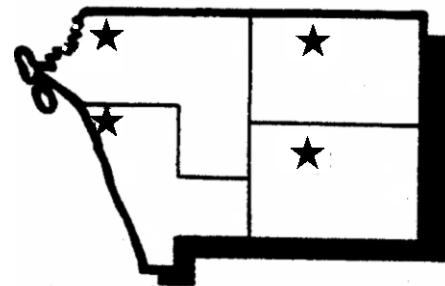
## West Central Citrus Letter

DeSoto Extension Service  
2150 NE Roan Street  
Arcadia FL 34266  
863/993-4846

Manatee Extension Service  
1303 17th Street West  
Palmetto FL 34221  
941/722-4524

Hardee Extension Service  
507 Civic Center Drive  
Wauchula FL 33873  
863/773-2164

Sarasota Extension Service  
6700 Clark Road  
Sarasota FL 34241  
941/861-9900



**January 20, 2018**

### **Citrus Production School, February 13, 20, & 27**

The annual citrus production school will be held at the Family Service Center, 310 W Whidden Street, Arcadia on Tuesday evenings, February 13, 20, and 27 from 7 to 9 PM. Class topics include:

- PFD, canker, citrus blackspot updates and recommended control
- WPS updates, respirator requirements and FDACS enforcement
- Biostimulants for use in citrus
- CRDF bactericide evaluations
- CRDF rootstock trials
- Psyllid management and how to manage imidacloprid resistance
- Farm Service Agency programs for citrus
- Advancing your BMPs with cost share

Please see the attached program flyer for more information on the production school and how to register for the program. Program registration fee is \$20 per person.

### **Private and Core Restricted Use Pesticide License Review and Testing, January 30, Wauchula**

A three-hour pesticide license review and testing class will be conducted on Tuesday, January 30, 2018 at the Hardee County Extension Service Office, 507 Civic Center Drive, Wauchula. The class will review the materials contained in the test to obtain a

Private Applicator pesticide license. The class will begin at 9:00 A.M. and conclude at noon with the test at 1:00 P.M.

Three CEUs (2 Core and 1 Private) are offered to individuals that have a current pesticide license and will be renewing using CEUs. A registration fee of \$55.00 per person is charged to cover the study manuals (Core and Private) and refreshments. To attend the class for only CEUs, the registration fee is \$5.00. If you wish to attend the class to obtain CEUs or to take the test, please call the Hardee County Extension Service Office at 863-773-2164 to register. Pre-registration is requested prior to January 25.

### **Worker Protection Standards – Train the Trainer, February 1, Wauchula**

A training session will be conducted from 1:00 to 5:00 PM at the Hardee County Extension Service Office, Wauchula, on Thursday, February 1. The session will cover the worker protection standards (WPS) information required under the rule to train employees as pesticide handlers or workers.

Four (4) continuing education units (CEUs) will be offered to individuals with restricted use pesticide licenses in the private, ag row, ag tree, forestry, ornamental & turf, or soil & greenhouse fumigation categories.

To register for the class, please call the Hardee Extension Service Office in Wauchula at 863-773-2164. A registration fee of \$10.00 per person is required. Pre-registration requested prior to January 30. Minimum registration to conduct the class is 5 and if minimum is not obtained prior to January 30 the class will be rescheduled for a later date.

### **Flower Bud Advisory for the 2018 Bloom Period**

Dr. Gene Albrigo is posting his flower bud advisory about every three weeks for the 2018 bloom season to the Citrus Research & Education Center website. The most recent post was for January 17 can be found at:

[http://www.crec.ifas.ufl.edu/extension/flowerbud/2018/17\\_18.shtml](http://www.crec.ifas.ufl.edu/extension/flowerbud/2018/17_18.shtml)

These advisories will aid you planning your spring sprays to enhance bloom as well as targeting psyllid management sprays and other disease issues.

### **Citrus Bactericide Recertification**

The Florida Commissioner of Agriculture was notified recently that the Citrus Tree Health Section 18, authorizing emergency use of specific bactericides, was recertified by EPA for the 2018 calendar year (letter attached). Minor revision to product labels is being completed, and these labels will be available soon. The Commissioner is awaiting these revised labels to formally announce the recertification.

As this renewal process unfolds, the Commissioner understands the importance of these products and their timing of use in light of current citrus crop scheduling and recognizes the need to get this approval notification out to growers as soon as possible.

The Conditions for the use of the three products covered under the Tree Health Section 18 (Firewall™ 50 WP, Fireline™ 17WP, and MycoShield®) have not changed from those in place over the past two years under the Section 18

Emergency Use. Revised labels showing the updated certification numbers will be available soon, and should be followed closely as applications of these products resume. Previous Section 18 labels specify the conditions for use and can be used in the interim.

The letter from the Agricultural Commissioner which recognizes the recertification by EPA of the Tree Health Section 18 is expected soon and will be distributed when available. The industry greatly appreciates the outstanding efforts of the commissioner and his staff in working with the industry on the timely assembly and submission of the request for recertification, and his commitment and that of the Florida Department of Agriculture and Consumer Services to work with the citrus industry in putting these tools to work.

Please See attached the letter from EPA which authorizes the Tree Health Section 18 Recertification.

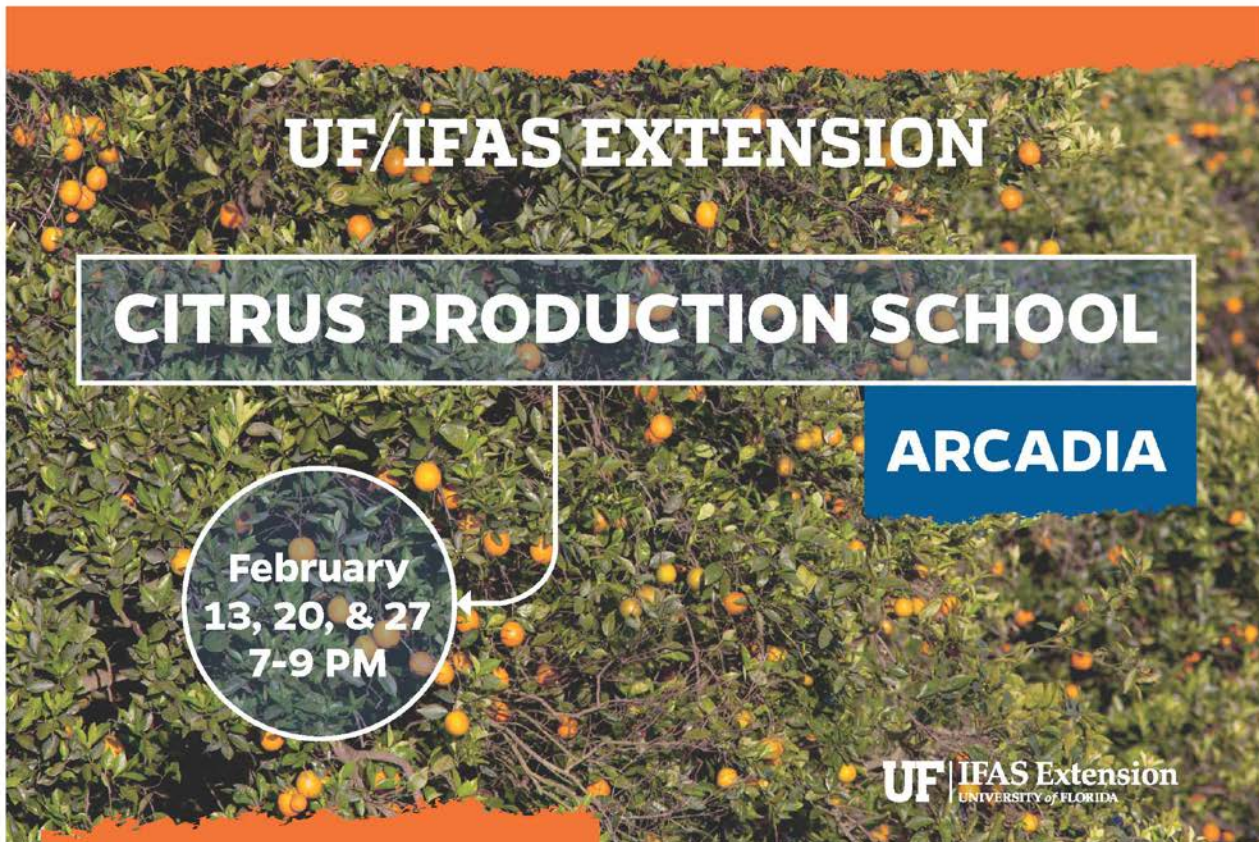
Source: CRDF

### **Dates to Remember**

Jan. 30	Restricted Use Pesticide License Review and Testing, Wauchula
Feb. 1	Worker Protection Standards, Train-the-Trainer, Wauchula
Feb.13, 20, 27	Citrus Production School, Arcadia
March 6	Safety Morning, Arcadia

Sincerely,

Stephen H. Futch  
Extension Agent, Multi-County  
Office: 863-956-8644  
Email: [shf@ufl.edu](mailto:shf@ufl.edu)



# UF/IFAS EXTENSION

## CITRUS PRODUCTION SCHOOL

### ARCADIA

February  
13, 20, & 27  
7-9 PM

UF | IFAS Extension  
UNIVERSITY OF FLORIDA

### ABOUT THE CITRUS PRODUCTION SCHOOL

Continuing education units (CEUs) will be requested for each session for both restricted use pesticide license as well as for certified crop advisors.

Registration is \$20 per person. If paying by check, please make the check payable to and mail to: Citrus Advisory Committee UF/IFAS CREC, Attn: Steve Futch 700 Experiment Station Road Lake Alfred, FL 33850

For more information, please contact Steve Futch, 863-956-8644

#### PREREGISTRATION REQUESTED PRIOR TO FEBRUARY 8<sup>TH</sup>

You can also register online at <https://citrusproductionschool.eventbrite.com>.

There will be an additional online fee of \$3.16.

#### Location

Family Service Center  
310 W. Whidden Street, Arcadia, FL

#### Schedule

##### FEBRUARY 13

- Dr. M. Dewdney – PFD, canker, citrus blackspot updates and recommended control
- Mr. R. Davalos – WPS updates, respirator requirements, and FDACS enforcement

##### FEBRUARY 20

- Dr. U. Albrecht – Biostimulants for use in citrus
- Dr. S. Slinski – CRDF bactericide evaluations
- Dr. C. Hatcher – CRDF rootstock trials

##### FEBRUARY 27

- Dr. L. Stelinski – Psyllid management and how to manage imidacloprid resistance
- Ms. P. Petteway – Farm Service Agency programs for citrus
- Mr. M. Warren – Advancing your BMPs with cost share





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Florida Department of Agriculture and Consumer Services  
Pesticide Registration Section; 3125 Conner Blvd. (Bldg. 6)  
Tallahassee, FL 32399

**Date Issued:** JAN 17 2018  
**Expiration Date:** December 31, 2018  
**Report Due:** June 30, 2019  
**File Symbols:** 18FL01 (Oxytetracycline)  
18FL02 (Streptomycin)

**Attn:** Charlie Clark

The Environmental Protection Agency hereby re-issues specific exemptions under the provisions of section 18 of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, to the Florida Department of Agriculture and Consumer Services (FDACS) for uses of oxytetracycline and streptomycin in citrus infected with huanglongbing or citrus greening disease (caused by *Candidatus liberibacter asiaticus* (Clas)).

These exemptions are subject to the product use directions and conditions and set forth in FDACS's request dated November 8, 2017, and as detailed in the following conditions, modifications, and restrictions:

1. The Florida Department of Agriculture and Consumer Services (FDACS) is responsible for ensuring that all provisions of these specific exemptions are met. FDACS is also responsible for providing information in accordance with 40 CFR 166.32(b). Accordingly, reports summarizing the results of these uses must be submitted to EPA Headquarters and the EPA Regional office within 6 months following the expiration of these exemptions, or prior to requesting subsequent specific exemptions for these uses. In accordance with 40 CFR 166.32(a), these offices shall also be immediately informed of any adverse effects resulting from use of these pesticides in connection with these exemptions. Any future correspondence regarding these exemptions should refer to file symbols 18FL01 (oxytetracycline) and 18FL02 (streptomycin).
2. The registered product, FireWall™ 50 WP, EPA Reg. No. 80990-3, manufactured by AgroSource, Inc. (containing 65.8% streptomycin sulfate, equivalent to 50% streptomycin) may be applied. All applicable use directions, restrictions, and precautions on the EPA-registered product label, must be followed, as well as those on the section 18 use directions for FireWall™ 50 WP provided in the submission to EPA. Three (3) foliar applications may be made by ground only (airblast spraying) at a rate of 11 oz. product (0.45 lb. a.i.) per acre. A 21-day retreatment interval and a 40-day PHI must be observed. The total applied per year must not exceed 33 oz. of product (1.35 lb. a.i. as streptomycin sulfate) per acre.
3. The registered product, FireLine™ 17 WP, EPA Reg. No. 80990-1, manufactured by AgroSource, Inc. (containing 18.3% oxytetracycline hydrochloride, equivalent to 17% a.i. as oxytetracycline) may be applied. All applicable use directions, restrictions, and precautions on the EPA-registered product label, must be followed, as well as those on the section 18 use directions for FireLine™

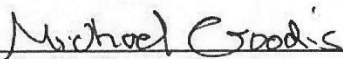
17 WP provided in the submission to EPA. Three (3) foliar applications may be made by ground only (airblast spraying) at a rate of 1.5 lb. product (0.255 lb. a.i.) per acre. A 21-day retreatment interval and a 40-day PHI must be observed. No more than 4.5 lb. of product (0.765 lb. a.i.) may be applied per acre per year.

4. The registered product, Mycoshield<sup>®</sup>, EPA Reg. No. 55146-97, manufactured by NuFarm Americas, Inc. (containing 31.5% oxytetracycline calcium, equivalent to 17% a.i. as oxytetracycline) may be applied. All applicable use directions, restrictions, and precautions on the EPA-registered product label, must be followed, as well as those on the section 18 use directions for Mycoshield<sup>®</sup> provided in the submission to EPA. Eight (8) foliar applications may be made by ground only (airblast spraying) with a solution of 200-300 ppm (1-1.5 lb. product per 100 gal of water) equivalent to 0.17 - 0.255 lb. a.i. per acre. A 21-day retreatment interval and a 21-day PHI must be observed. The total applied per year must not exceed 12 lb. of product (2 lb. a.i.) per acre.
5. If multiple products containing oxytetracycline compounds are applied, their maximum combined application may not exceed 2 lb. a.i. oxytetracycline per acre per year.
6. If vehicles with closed systems or enclosed cabs are used in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.
7. If not in enclosed cabs as per the previous item, applicators and other handlers must wear the following Personal Protection Equipment (PPE), which must be listed on the section 18 use directions:
  - Long-sleeved shirt and long pants
  - Shoes plus socks
  - Chemical-resistant gloves
  - Protective eyewear (goggles, face shield, or safety glasses)
  - A NIOSH-approved particulate respirator with any N, R, or P filter with NIOSH approval number prefix TC-84A; or a NIOSH-approved powered air purifying respirator with an HE filter with NIOSH approval number prefix TC-21C.
  - Chemical-resistant headgear ensuring full coverage of the neck.
8. Applications may not be made by irrigation or air.
9. Applications may not be made in groves in which current practices include fertilization with animal manure or human biosolids. This restriction addresses concerns that resistance could be transferred to E. coli or other pathogenic bacteria in the feces.
10. A restricted entry interval (REI) of 12 hours must be observed.
11. When feasible, rotate applications of one bactericide to another involving a different mode of action to mitigate risks for selection of resistant organisms.
12. A maximum of 330,254 acres of citrus may be treated under these specific exemptions.
13. Residues of streptomycin resulting from applications made in accordance with the exemptions are not expected to exceed 2 ppm on citrus fruit and 6 ppm on dried citrus pulp. Residues of

oxytetracycline resulting from applications made in accordance with the exemption use are not expected to exceed 0.40 ppm in/on citrus fruit. EPA has determined these levels are adequate to protect public health, and time-limited tolerances are established to cover any residues resulting from use under these exemptions.

14. These exemptions expire December 31, 2018.
15. FDACS and its partners must conduct field testing and monitoring to determine whether microbial resistance to oxytetracycline or streptomycin is occurring due to these uses under section 18. Testing must take place according to the revised protocols for resistance monitoring testing, previously agreed upon with EPA. Results from the testing must be provided to EPA when available. Status updates must be provided with any future requests for these uses.
16. This is the third year that FDACS has requested emergency exemptions for the use of oxytetracycline and streptomycin in citrus for management of HLB. FDACS and its partners are encouraged to continue to aggressively research alternative methods of mitigating this disease. An update on these efforts must be submitted with any future requests.
17. In the event FDACS requests these uses next year under emergency exemptions, EPA is making a preliminary determination, contingent upon submission of updated information on resistance monitoring, that these uses are eligible under the re-certification program (40 CFR 166.20(b)(5)) in 2019.

If you or your staff have any questions with respect to this authorization document, please contact Emergency Response Team Member Andrea Conrath at 703.308.9356; [conrath.andrea@epa.gov](mailto:conrath.andrea@epa.gov) or the Emergency Response Team Leader Tawanda Maignan at 703.308.8050; [maignan.tawanda@epa.gov](mailto:maignan.tawanda@epa.gov).

  
Michael L. Goodis, Director  
Registration Division  
Office of Pesticide Programs

Date: January 17, 2018

cc: Phillip Beard  
USEPA Region 4

Patricia Livingstone  
USEPA Region 4 Tribal Coordinator