



ALLETTE®: SUPPRESSION OF HUANGLONGBING (HLB) AND CITRUS CANKER

WHAT IS ALLETTE® FUNGICIDE?

- Fully systemic – travels upward and downward in citrus trees to fight Canker, HLB, Fruit brown rot, Root rot and Foot rot for up to 90 days
- Multiple modes of action to control many harmful citrus fungi and bacteria
- Attacks fungi at multiple growth stages
- Activates the tree's own natural defenses

EFFECTS ON CITRUS TREES

- Promotes Systemic Acquired Resistance (SAR)
 - Activates the tree's natural defenses against bacterial diseases such as HLB
 - Reduces the concentration (titer) of the HLB bacterium
- Promotes overall tree health
 - Enhances root growth and function by promoting colonization by beneficial mycorrhizal fungi
 - Mycorrhizae enhance nutrient assimilation by roots

EFFECTS ON FUNGAL PATHOGENS

- Stops plant infection by inhibiting spore germination
- Blocks mycelium development and sporulation
- Inhibits pathogen penetration into the plant

THE ACTIVE INGREDIENT: FOSETYL-AL

The active ingredient in Aliette®, fosetyl-Al, rapidly breaks down into two active components: ethyl phosphite and aluminum.

- **Ethyl phosphite** is quickly absorbed into the leaves and roots where it shows fungicidal properties and is a significant promoter of SAR
 - Recent gene expression studies document that Aliette affects substantially more genes related to plant defense than K-based phosphite
- **Aluminum**, as an aluminum hydroxide metabolite, is active on the leaf surface where it has contact activity against citrus diseases and harmful bacteria such as Citrus Canker

BCS_HRT_C7_1808_AlietteTech_R1.indd

Saved at 9-5-2017 4:09 PM

Printed At None

DEPARTMENT:	Art Director	Copywriter	Acct. Manager	Studio Artist	Proofreader	Traffic	Production
APPROVAL:							

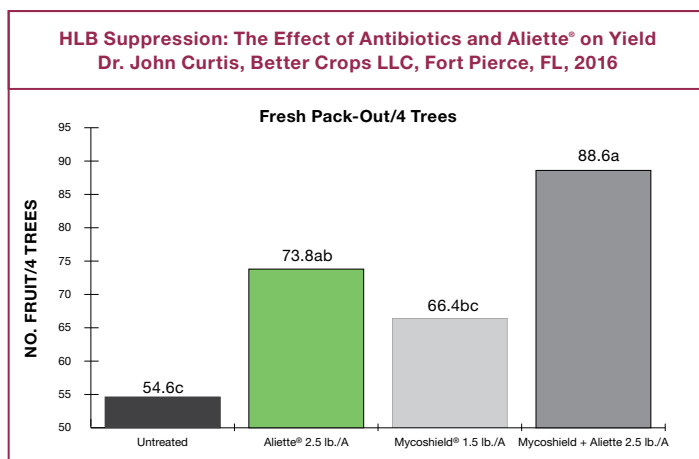
Addl. Notes: None

Client Bayer
 Media Type Collateral
 Live None
 Trim 8.5" x 11"
 Bleed 8.75" x 11.25"
 Job Title 2017 Aliette Tech Bulletin
 Pubs None
 Ad Code None

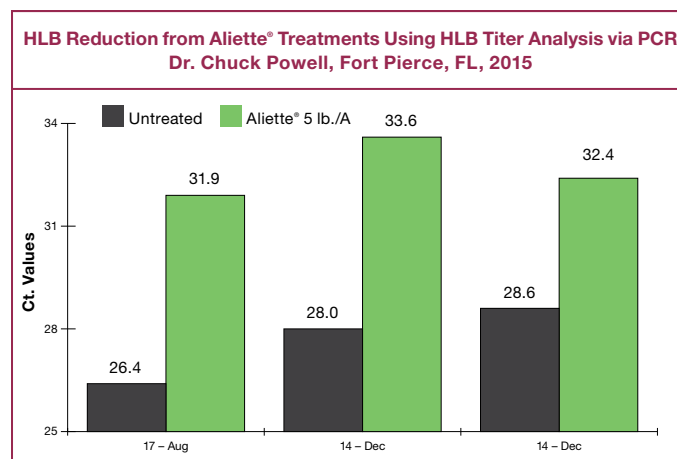


Aliette® Citrus Disease Spectrum	Application Method	Rates
HLB 2(ee) for suppression of HLB in Florida (Candidatus Liberibacter asiaticus)	Foliar or chemigation	2.5 to 5 lb./A
Citrus Canker 2(ee) for suppression of Citrus Canker in Florida (Xanthomonas citri pv. citri)	Foliar – begin applications to protect new leaf flush; alternate with a contact bactericide such as copper for best results	5 lb./A
Phytophthora foot rot or Gummosis	Trunk spray or paint	2.5 to 5.0 lb./5 gal. of water
Phytophthora foot/root rot Phytophthora brown rot	Foliar	5 lb./A
Phytophthora foot/root rot	Chemigation	5 lb./A
Alternaria brown spot (suppression)	Foliar	5 lb./A

HLB Suppression and Reduction: Aliette® reduces HLB and improves yield in grapefruit trees.

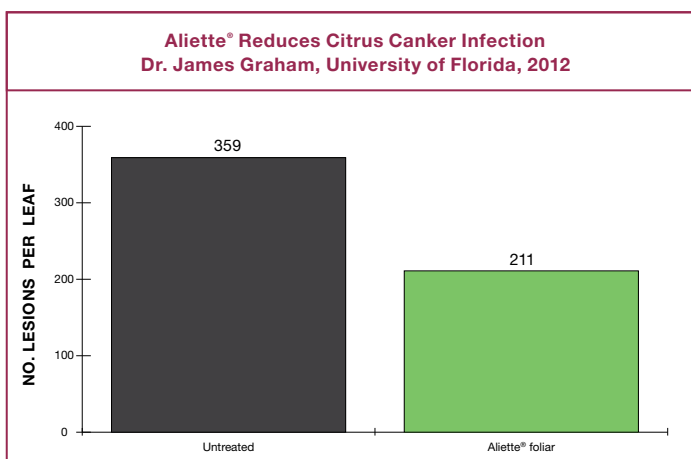


Treatments applied on 5-year-old Ray Ruby Grapefruit.

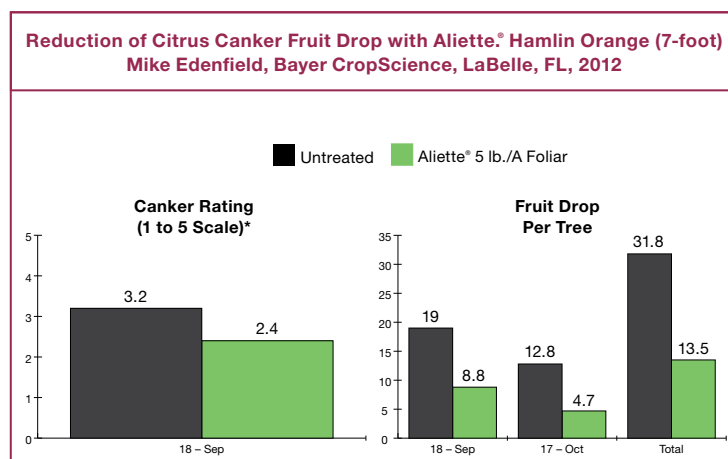


Two locations on Florida East Coast Grapefruit; Aliette applied on 4/15/15, 7/15/15 and 9/15/15. **Ct. values greater than 32 indicate negative for HLB.**

Citrus Canker Suppression: Aliette® reduces Citrus Canker infection severity and improves fruit retention.



Citrus seedlings were sprayed with a 10 ml. solution of Aliette (equiv. 3.8 lb. per 100 gal.). Eight days after application, seedlings were severely inoculated with *Xanthomonas citri* subsp. *citri*. Citrus Canker lesion number per leaf was evaluated 21 days after treatment.



Six-year-old Hamlins, 7 ft. tall. Treatments applied with airblast sprayer at 100 GPA on May 21 and July 28. Buffer was K₂CO₃ at 3 lb./A. Trial conducted in Hamlins known to have a significant incidence of Citrus Canker for at least 2 years.

*Where 1 = no disease, 5 = severe disease.

IMPORTANT: This bulletin is not intended to provide adequate information for use of these products. Read the label before using these products. Observe all label directions and precautions while using these products.

© 2017 Bayer CropScience, 2 TW Alexander Drive, Research Triangle Park, NC 27709. Always read and follow label instructions. Bayer, the Bayer Cross, and Aliette are registered trademarks of Bayer. Mycoshield is a registered trademark of Nufarm Americas Inc. Not all products are registered for use in all states. For additional product information, call toll-free 1-866-992-2937 or visit our website at www.CropScience.Bayer.us. CR0717ALIETTA006V00R0.



Science For A Better Life