

University of Florida-GCREC, A.I. Zuniga, G. Alonzo, J.S. Baggio, N.A. Peres, Wimauma, Florida

## BioWorks Products Included in Trial

BotryStop® WP

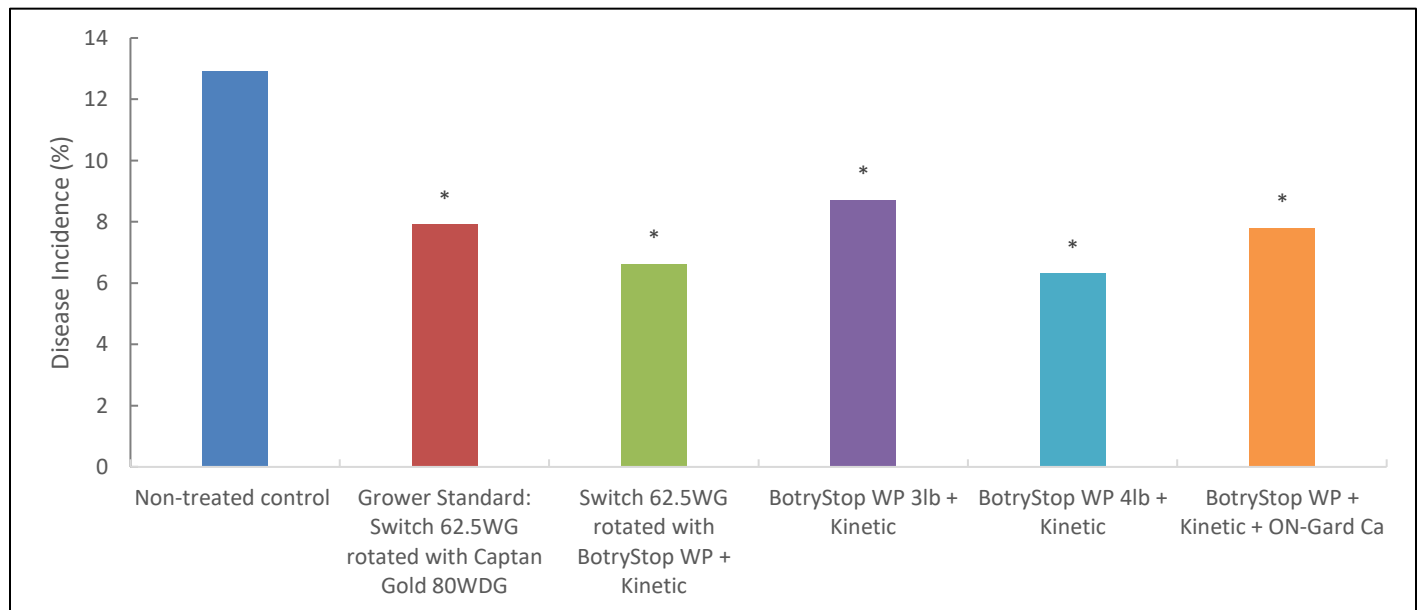
ON-Gard® CALCIUM

**Summary:** This season long commercial field trial on strawberries in Florida evaluated BotryStop WP used alone or in combination with ON-Gard Calcium or conventional fungicide to reduce *Botrytis* infection of fruit. All treatments with BotryStop WP reduced disease incidence equivalent to the grower standard conventional fungicide program.

Treatment	Rate
Non-treated Control	-
Grower Standard: Switch 62.5WG rotated with Captan Gold 80WDG	14 oz/acre 1.9 lb/acre
Switch 62.5WG rotated with BotryStop WP + Kinetic	14 oz/acre 3 lb/acre + 8 fl oz
BotryStop WP + Kinetic	3 lb/acre + 8 fl oz
BotryStop WP + Kinetic	4 lb/acre + 8 fl oz
BotryStop WP + Kinetic + ON-Gard Calcium	3 lb/acre + 8 fl oz + 16 fl oz

## Method Summary

Crop	Strawberry
Variety	Florida 127
Location	Plant City, Florida - Field
Disease	<i>Botrytis cinerea</i>
Trial Design	Randomized Complete Block
Application Dates	BotryStop WP and BotryStop WP + ON-Gard Calcium were applied weekly for 14 weeks from 24 Nov 2020 to 23 Feb 2021 Switch 62.5WG was applied weeks 1, 10, 12 Captan Gold 80 WDG was applied weeks 2, 3, 4, 5, 6, 7, 8, 9, 11, 13, 14
Application Method	Foliar spray
Note	Kinetic, a non-ionic wetter/spreader, was added to all BotryStop WP treatments.



Botrytis incidence after 14 weeks of crop treatments (see Method Summary table above). Asterisks indicate significant differences in disease incidence between the treatments and the non-treated control.

## Result Summary

- BotryStop WP applied weekly at 3-4 lb/acre effectively reduced the incidence of *Botrytis* infection in strawberry fruit during moderate to high-risk periods.
- Inclusion of BotryStop WP in a spray rotation with conventional fungicides provided equivalent disease reduction to the grower standard chemical rotation.
- The efficacy of the program was maintained while reducing chemical inputs and resistance risks.

## Recommendations from Data

- BotryStop WP applied weekly at 3-4 lb/acre will provide protection against *Botrytis*.
- BotryStop WP can be applied at 3-4 lb/acre weekly in a spray rotation with a conventional fungicide without jeopardizing the level of disease control obtained, while reducing the risk of resistance.
- Consider a combination treatment of BotryStop WP at 3 lb/acre with ON-Gard Calcium at 16 oz/acre.



- Check BioWorks product compatibility at: <https://bioworksinc.com/ask-us/product-compatibility/>

Refer to product labels for complete application details. Additional technical information is available on our website (<https://bioworksinc.com/>) or from your BioWorks biological solutions advisor. Always read and follow label directions.