

Zen-O-Spore on Apricots in California**DATE:** Completed – September, 2012**PURPOSE:** The purpose of this trial was to evaluate the efficacy of Zen-O-Spore at controlling brown rot in organic apricots.**SUMMARY:** No treatments provided any control of blossom blight. Zen-O-Spore was very effective at reducing latent infection of the fruit compared to both the grower standard and the untreated. This block had not been successfully harvested in the 7 years it had been grown organically, but this year they harvested it after using Zen-O-Spore.**GENERAL INFORMATION:**

Investigator: Andrew Pedersen – Brandt
 Brandt Rep: Miles Sheldon
 Location: 19347 S. Highland Ave.
 Laton, CA 93242
 36°27'3.51" N, -119°-38'-20.76" W

CROP DETAILS:

Crop/Variety: Apricot / Wescott

PLANTING TYPE, IRRIGATION & SOIL CONDITIONS:

Irrigation Type: Flood
 General Fertility: Compost
 Soil Type: Grangeville Fine Sandy Loam

TREATMENTS:

Treatment 1: Zen-O-Spore 4 lb/ac
 Treatment 2: Zen-O-Spore 3 lb/ac
 Treatment 3: Regalia 3 qt/ac + Serenade 3 lb/ac
 Treatment 4: Untreated

WEATHER CONDITIONS:

General Weather Cond.: Drier and warmer than typical
 During Application: Unknown

APPLICATION DETAILS:

Application 1: Early bloom; 27, Feb., 2013
 Application 2: Late bloom; 5, March, 2013
 Site Type: Field grown
 Plot Size: ZOS treatments – 4 ac; Regalia + Serenade – 1 ac; Untreated – 1 row
 Replications: 1 replication – Side by Side trial
 Spray Volume/Carrier: 50 gal/ac
 Nozzle and Pressure: unknown

ASSESSMENTS:

Blossom blight – 12 trees, 10 flowers from 10 shoots for each tree: 3/19
 Latent infection – 20 trees, 25 fruit on each tree: 4/15, 4/25, 5/15.

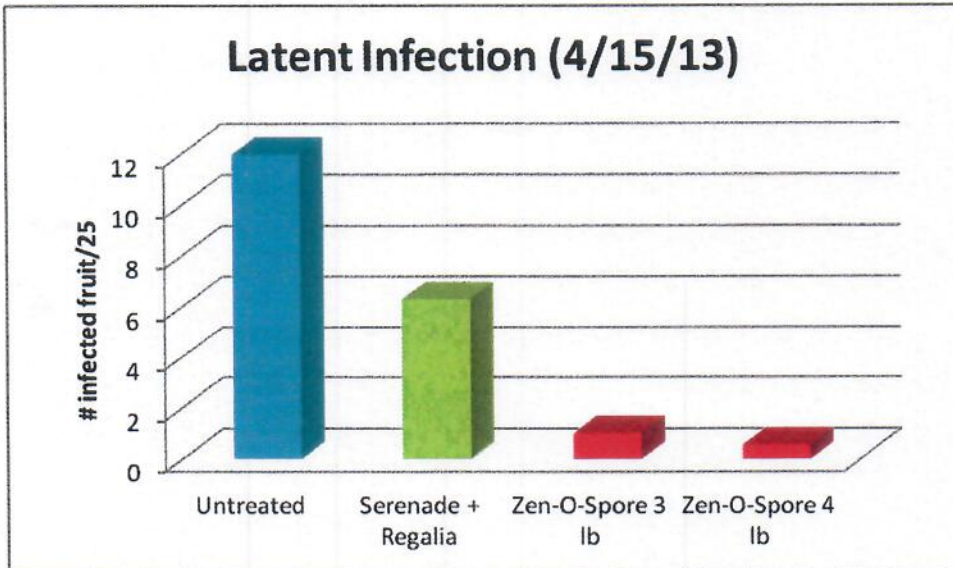
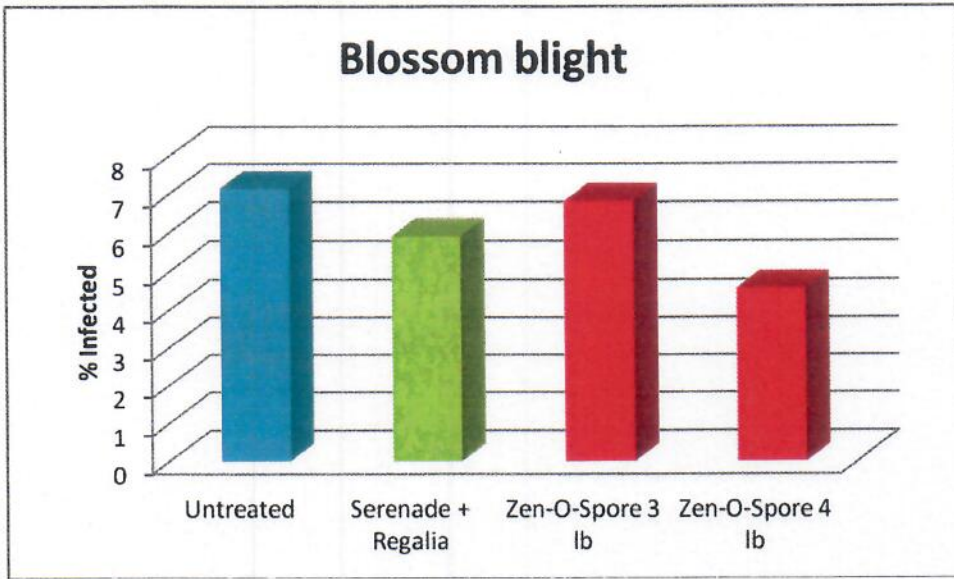
RESULTS:

Treatment	% blossom infection	Latent Infection 4/15*	Latent Infection 4/25*	Latent Infection 5/15*
Zen-O-Spore 4 lb/ac	4.58 a	0.55 c	0.45 b	0.30 b
Zen-O-Spore 3 lb/ac	6.83 a	1.00 c	1.25 b	0.55 b
Regalia 3 qt/ac + Serenade 3 lb/ac	5.92 a	6.30 b	4.70 b	5.50 b
Untreated	7.17 a	12.00 a	15.40 a	13.10 a

Values with the same letter are not statistically significant.

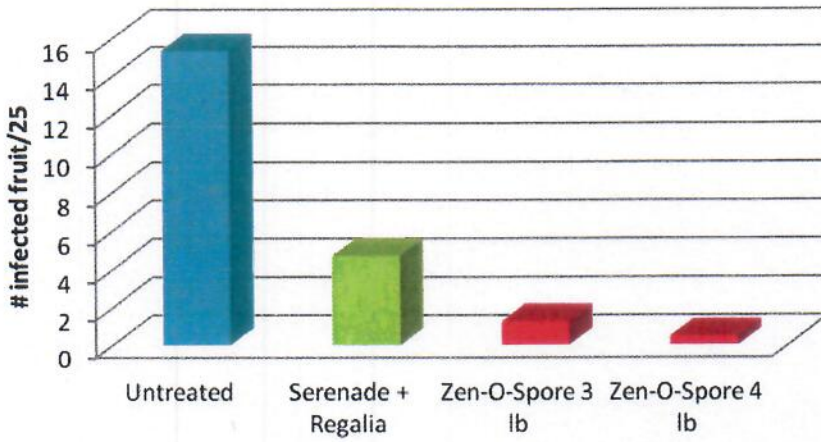
* Values for latent infection are number of infected fruit out of 25.

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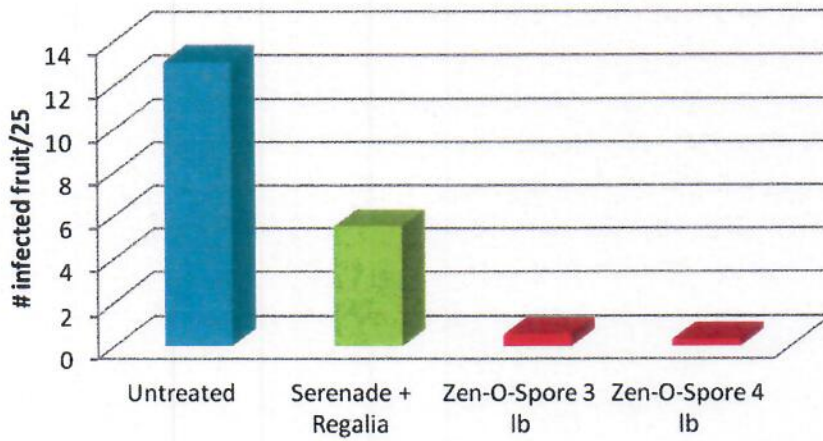


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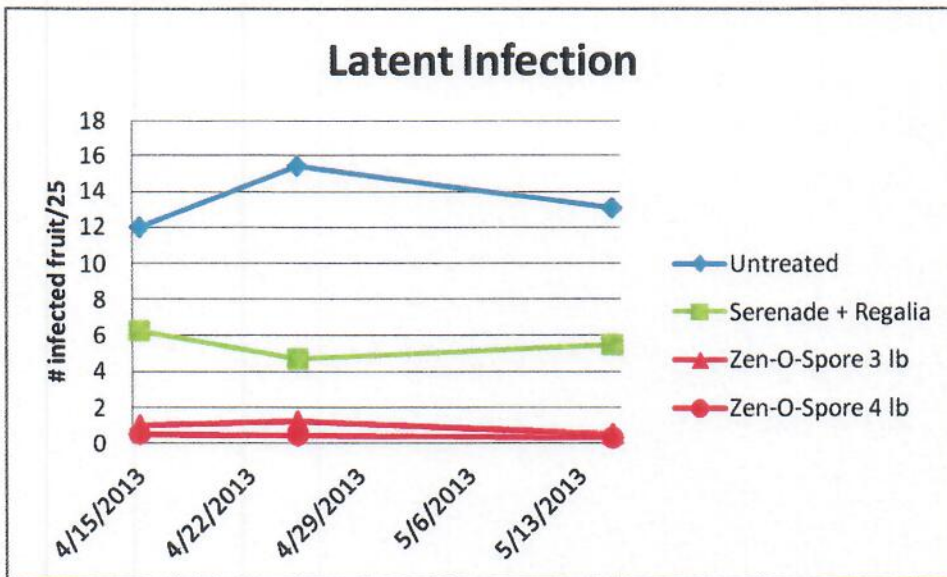
Latent Infection (4/25/13)



Latent Infection (5/15/13)



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Blossom Blight – 3/14/13

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Latent Infection 4/25/13