

Sterile Insect Control of Navel Orangeworm



Session Speakers

Josette Lewis, ABC

Houston Wilson, UC Riverside

Melissa Tesche, Okanagan-Kootenay Sterile Insect Release Program

Neil Morrison, Oxitec

Nathan Moses-Gonzales, M3 Consulting Groups

2019

Houston Wilson,

UC Riverside





Melissa Tesche,

Okanagan-Kootenay Sterile Insect Release Program







Oxitec's 2nd Generation Insect Technology



OXITEC'S MALE INSECTS CARRY TWO INTRODUCED GENES

MALE-SELECTING SELF-LIMITING GENE

Non-toxic, non-allergenic gene product (tTAV protein) After Oxitec males mate with wild-type females, the progeny receive a copy of a self-limiting gene that prevents females from developing into adults

MANUFACTURING

OXITEC



- Male-only production
- Egg/pupae releases and release devices enabled

DEPLOYMENT

- Suppresses target insect population
- Multi-generational suppression potential
- Gene is self-limiting in environment

MARKER GENE

Easy track-and-trace in the field Non-toxic, non-allergenic gene product (DsRed2 protein)









Nathan Moses-Gonzales, M3 Consulting Group

Video







Sterile Insect Control of Navel Orangeworm



Upcoming Sessions at 3:30 p.m.

- Incentive Assistance: Help Applying for Grants That Fund On-Farm Practices (Room 1)
- South Korea and Japan: Almonds Make Life Beautiful (Room 2)
- Pest Management Considerations in an Ever-Changing Regulatory Environment (Room 3)



Visit the Exhibit Halls and Participate in the Passport Game

3P Partners	#2206
ABC Booth	#526
AC Horn	#421
 Ag Spray Equipment 	#2203
Bayer CropScience	#127
Best Drayage	#2112
• Bird Gard, LLC	#1812
Borrell USA	#327
Cablevey Conveyors	#217
Central Life Sciences	#917
• JAX, Inc.	#413
• JKB Energy	#635

K•Coe Isom	#707
Lincoln Agribusiness Services	#733
Napasol	#2205
NETZSCH Premier Technologies	#218
• Satake	#521
• Suterra, LLC	#1638
TOMRA Sorting Solutions	#335
Trécé, Inc	#516
• Valent U.S.A.	#621
Westbridge Agricultural Products	#1534
Wilkey Industries	#320
• Yara North America	#627

The first 500 attendees to turn in a completed passport card to the ABC booth (#526) will receive a hat and will be entered to win one of seven amazing prizes!



Research Poster Session Wednesday, 4:30 p.m. – 6:00 p.m. Pavilion & Building D

Featured Topics:

- Soil Quality (e.g., Cover Crops, Composts, Whole Orchard Recycling)
- Pest Management
- Irrigation Management
- Biomass/Co-Products
- Almond Leadership Special Projects (Building D)



Shuttle Schedule

Shuttle service will be provided by The Almond Conference from the downtown hotels to Cal Expo daily.

- Downtown Pickup Location: Hyatt Sacramento Front Drive
- Cal Expo Pickup and Drop-Off Location: Blue Gate

Shuttle Schedule:

• Tuesday, Dec. 10

- 6:45 a.m. 6:30 p.m.
- Wednesday, Dec. 11
 - 6:45 a.m. 6:30 p.m.
- Thursday, Dec. 12
 - 6:45 a.m. 1:30 p.m.



2019 Research Update



Pick up a copy at the ABC booth #526

Join the Conversation!



Use #AlmondConf to share highlights from The Almond Conference

Dedicated Trade Show Time 4:30 p.m. – 6:00 p.m.

Social Reception Sponsored by:



10 YEARS OF PROGRESS

JOIN THE JOURNEY

It's all there at

SustainableAlmondGrowing.org



Join Tonight's Social Reception

Come and Sample: ALMOND BROWN ALE

Stop by: The Almond Board Lounge in Building D.

Sample:

Almond brown ale during the Tuesday and Wednesday receptions.

This almond beverage is the result of a special project from Dominique Camou and Lucas Schmidt in collaboration with **Temblor Brewing Company**.

Industry members and attendees are welcome to stop by and have a taste.

When:

Tuesday and Wednesday evening reception from 4:30–6:00 p.m.



4:30 p.m. – 6:00 p.m. - Pavilion + Building D

Thank you!