

Spotted Wing Drosophila; Oregon activities

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IF SHE LOOKED UPON THE HORROR HER HUSBAND HAD BECOME SHE WOULD SCREAM FOR THE REST OF HER LIFE!



The Fly




CINEMASCOPE in
TERROR-COLOR by DE LUXE


THE MONSTER CREATED BY ATOMS GONE WILD!

AL HEDISON - PATRICIA OWENS - VINCENT PRICE
HERBERT MARSHALL - KURT NEUMANN - JAMES CLAVELL




Piece by piece... atom by atom...
HUMANS INVISIBLY TELEPORTED THROUGH TIME AND SPACE...

Re-entering Earth as Half-human Monsters from the 4th Dimension!




THE CURSE OF THE FLY



STARRING
**BRIAN DONLEVY
GEORGE BAKER
CAROLE GRAY**

Produced by ROBERT L. LIPPERT and JACK PARSONS
Directed by DON SHARP Screenplay by HARRY SPRAAG
A LIPPERT FILMS LTD. PRODUCTION RELEASED BY DON CONWAY, INC.




La MOSCA




AL HEDISON
PATRICIA OWENS
VINCENT PRICE
HERBERT MARSHALL

Productor y director:
KURT NEUMANN

en Terror-COLOR DeLUXE **CINEMASCOPE**
VERSION ORIGINAL CON SUBTITULOS EN ESPAÑOL
Distribuida por HISPANO FOXFILM, S. A. E.

Timeline for Oregon Activities



- Find pest-commercial crops-August
- Create Pest alerts.
- Large meeting of ~200 people in Salem with ODA, OSU, USDA APHIS & ARS and growers



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Timeline for Oregon Activities

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Welcome!

Spotted Wing Drosophila
Drosophila suzukii

Author: Vaughn Walton

The goal of this page is to disseminate knowledge on Spotted Wing Drosophila (*Drosophila suzukii*) and highlight activities and research in Oregon. The Horticulture Department is committed to serve its growers by dissemination of vital knowledge and innovative development of sustainable control practices.

Active participants working on this pest are encouraged to look at the online independent workspace: for Spotted Wing Drosophila, *Drosophila suzukii*

[Spotted Wing Drosophila Google Workspace](#)

Insects provided by USDA, photo's V. Walton

Oregon scientists working on the Spotted Wing Drosophila

- USDA-ARS Horticultural Crops Research Laboratory (HCRL): [Jana Lee](#) and [Denny Bruck](#)
- Oregon Department of Agriculture (ODA):
- Formal insect ID should be sent to:
Jim Labonte, Taxonomic and Survey Entomologist
Oregon Department of Agriculture, Plant Division
625 Capital Street NE
Salem, OR 97301-2532 USA
Phone: 503-986-4749
Email: jlabonte@oda.state.or.us
- North Willamette Research and Extension Center (NWREC): [Diane Kaufman](#) and [Wei Yang](#)
- OSU Integrated Pest Protection Center (IPPC): [Paul Jepson](#)
- OSU Crop and Soils Army Drives
- OSU Horticulture: [Vaughn Walton](#)
- [Pearlbutl Crop Management](#)

Pest alerts and ID guides:

- [OSU news release](#)
- [ODA Pest Alert](#)
- [OSU Pest Alert](#)
- [Florida Alert](#)

- Initial meeting: ODA, OSU, USDA and USDA Aphis coordinate action plan
- Write grant, emergency funding-online dissemination
- Create SWD Website

Timeline for Oregon Activities

Oregon State UNIVERSITY Extension Service

A New Pest Attacking Healthy Ripening Fruit in Oregon

Spotted wing Drosophila: *Drosophila suzukii* (Matsumura)

EM 8991 • October 2009



Actual size (2-3 mm)

Infestations of the spotted wing Drosophila fly (Diptera: Drosophilidae), an exotic pest, have been found in Oregon fruits in 13 counties. Of the 3,000 species of Drosophila, commonly known as vinegar flies, approximately 175 are known in North America. Two of these known species have been found to be harmful to crops, of which spotted wing Drosophila (SWD) is one. These flies can infest and cause a great deal of damage to ripening fruit, as opposed to the overripe and fallen fruit that are infested by most other Drosophila species. We have confirmed findings of SWD in blueberries, wild blackberries, red raspberries, Marionberries, cherries, strawberries, plums, peaches, grapes, figs, hardy kiwis, and Asian pears.

It is crucial to find infestations of this pest as early as possible, when they can still be treated effectively.

Description

Adult *Drosophila* flies resemble the small fruit or vinegar flies that one might notice buzzing around the kitchen or around rotting fallen fruit outdoors. Typically, the well-known vinegar flies lay eggs in damaged or decaying fruit; however, SWD damage intact, ripening fruit. They have a body length of 2-3 mm, with red eyes and a yellowish-brown body. Upon close examination, brown bands are visible on the posterior of the abdomen. The male flies have a small dark spot on the front edge near the tip of each forewing (fig. 1) and two darkened bands (sex combs) on the forelegs. Females do not have this wing spot (fig. 2). The females have a

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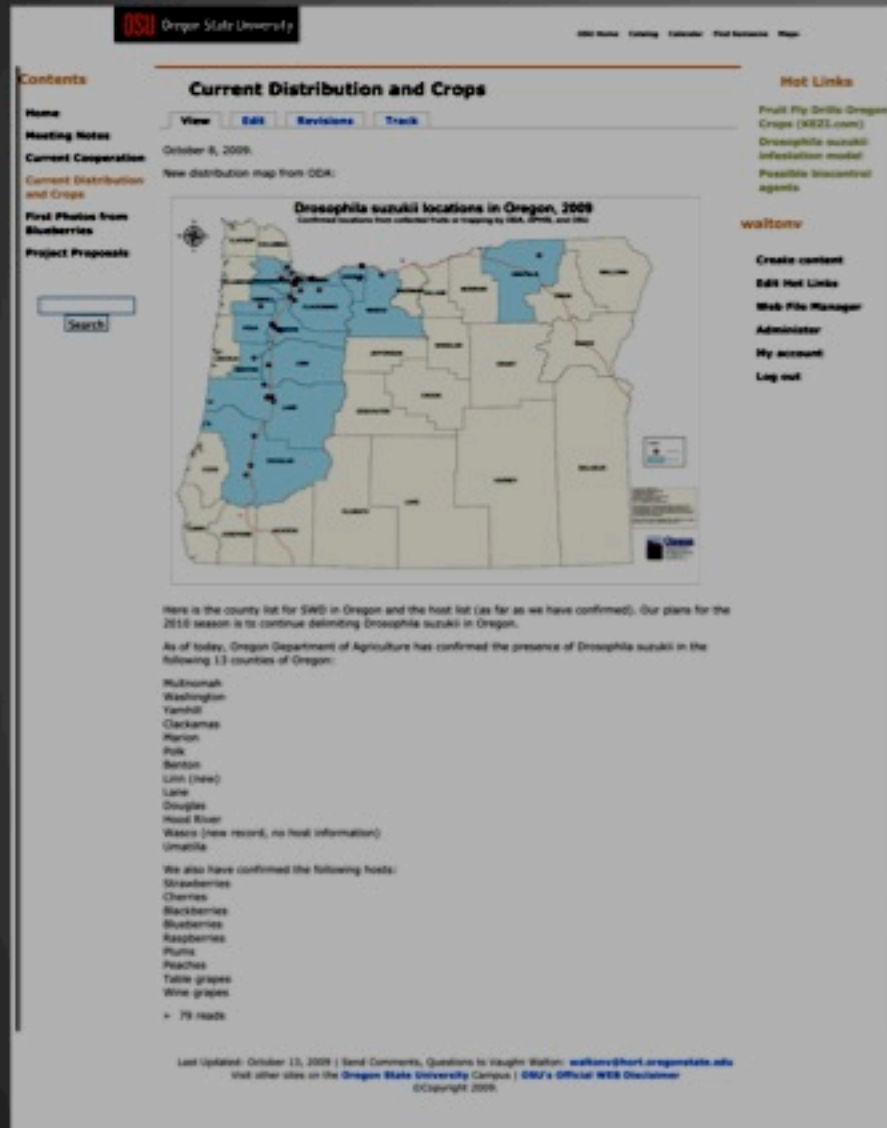
Glen Fisher
Crop and Soil Science Department
Oregon State University

- Create OSU Extension Bulletin
- Three research and extension organizing meetings
- Start colony



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Timeline for Oregon Activities



- Statewide collection of fruit samples, SWD has been identified in 13 counties as of Oct. 8, 2009
- Delimit spatial distr.



Timeline of Oregon Activities



- Local collection of fruit
- Test monitoring traps
- Determine sex ratio
- Dissect frozen fruit

Timeline: OR Activities



- USDA funding for full time rearing person.
- OSU emergency funding: Overwintering study.



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Timeline: OR/CA/WA activities



AFRI/RAMP/SCRI?



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