



## **Advanced Insect and Disease Field Session**

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Identification, Life Cycles, Control Measures  
and Silvicultural Regimes

**Register Early**

space is limited  
and the  
session will  
sell out!

**June 17-20, 2019  
Hood River, Oregon**

Oregon and Washington pesticide recertification  
credits are available with this field session.

# Advanced Insect and Disease Field Session: Identification, Life Cycles, Control Measures and Silvicultural Regimes

## June 17-20, 2019, Hood River, Oregon

Insect and disease conditions can complicate harvest plans and affect silvicultural regimes. These pests can also cause economic and aesthetic damages with long-lasting consequences. Resource managers need a solid understanding of pest biology and management options to make informed silvicultural, harvest planning and management decisions.

This field session offers the most advanced and in-depth insect and disease training available in the Pacific Northwest. The attendees will spend one-on-one field time with top-level entomologists and pathologists from the Pacific Northwest region and gain real-life experience in developing management regimes and silvicultural measures.

Each day will consist of site visits to infected stands for a first-hand look and discussion of particular insect and disease problems. Attendees will learn identification, biology, response to stand conditions and management options. Small group sessions will be used to develop management strategies and mock stand prescriptions. The region's leading entomologists and pathologists will be on hand to provide assistance and advice as the prescriptions are developed.

Transportation and box lunches are provided daily.

### Field Session Agenda

#### Monday, June 17, 2019

**11:00** Field Session orientation and registration – Best Western Hood River Inn parking lot, Hood River, OR

**11:30** Group departs for the field from BW Hood River Inn. Transportation and lunch provided.

**Lunch** (included with registration)

##### Afternoon topics:

1. Steps of diagnosis
2. Ips beetles
3. Red turpentine beetles
4. Woodborers
5. SOD and other invasive pathogens
6. Aerial survey overview

**5:00** Arrive back at BW Hood River Inn

#### Tuesday, June 18, 2019

**7:30** Depart from BW Hood River Inn

##### Morning Topics:

1. Overview of root diseases
2. Armillaria root disease
3. Mountain Pine Beetle
4. Thinning to prevent mt. pine beetle
5. Western spruce budworm
6. Douglas-fir tussock moth

**Lunch** (included with registration)

##### Afternoon topics and activities:

7. Indian paint fungus
8. Annosus root disease
9. Fir engraver
10. Dwarf Mistletoes
11. Group Exercise- Eastside Prescription

**5:30** Arrive back at BW Hood River Inn

#### Wednesday, June 19, 2019

**8:00** Depart from BW Hood River Inn

##### Morning topics:

1. Pine needle diseases
2. White pine blister rust
3. Stem decays

**Lunch** (included with registration)

##### Afternoon topics and activities:

4. Laminated Root Rot
5. Schweinitzii root and butt rot
6. Douglas-fir beetle
7. Team Exercise- Westside Prescription

**5:30** Arrive back at BW Hood River Inn

#### Thursday, June 20, 2019

**7:30** Depart from BW Hood River Inn

##### Morning topics and activities:

1. Team Exercise – Pruning Western White Pine
2. Larch casebearer
3. Larch needle diseases
4. Balsam woolly adelgid
5. Tree survival after fire

**Lunch** (included with registration)

##### Afternoon topics and activities:

6. Class Exercise – Identify Me!
7. Western pine beetle
8. Dwarf mistletoe recap – ponderosa pine
9. Class Exercise – Rating Dwarf mistletoe
10. Team Exercise – Dry Ponderosa pine Prescription
11. Session wrap - up

**5:00** Arrive back at BW Hood River Inn and session adjourns.

## Confirmed Speakers

**Kristen Chadwick**, Pathologist,  
USDA Forest Service, Westside Service  
Center, Sandy, OR

**Brennan Ferguson**, Pathologist, USDA  
Forest Service, Wenatchee Service Center

**Robbie Flowers**, Entomologist,  
USDA Forest Service, Central Oregon  
Service Center, Bend, OR

**Mike Johnson**, Entomologist,  
USDA Forest Service, Blue Mt. Service  
Center, LaGrande, OR

**Holly Kearns**, Pathologist,  
USDA Forest Service, Westside Service  
Center, Sandy, OR

**Blakely Lockman**, Pathologist,  
USDA Forest Service, Regional Office,  
Portland, OR

**Sarah Navarro**, Pathologist,  
Oregon Dept. of Forestry, Salem, OR

**Brent Oblinger**, Pathologist,  
USDA Forest Service, Central Oregon  
Service Center, Bend, OR

**Iral Ragenovich**, Entomologist,  
USDA Forest Service, Regional Office,  
Portland, OR

**Elizabeth Willhite**, Entomologist,  
USDA Forest Service, Westside Service  
Center, Sandy, OR

## REGISTRATION FORM

NAME \_\_\_\_\_

ORGANIZATION OR AFFILIATION \_\_\_\_\_

ADDRESS \_\_\_\_\_  
\_\_\_\_\_

CITY, STATE, ZIP \_\_\_\_\_

EMAIL \_\_\_\_\_ TEL \_\_\_\_\_

## REGISTRATION

### AMOUNT

**ON/BEFORE 6/6/2019**                      \$695      \_\_\_\_\_

**AFTER 6/6/2019**                              \$775      \_\_\_\_\_

Call:  
503-226-4562  
or  
melinda@westernforestry.org

### Western Forestry and Conservation Association

4033 SW Canyon Rd.  
Portland, OR 97221  
503-226-4562, FAX: 503-226-2515

## PAYMENT METHOD

### 1. Please make checks payable to:

WFCA  
4033 SW Canyon Rd.  
Portland OR 97221

2. Purchase order # \_\_\_\_\_

3. Charge to:                      MC                      VISA                      AmEx  
(please circle)

Account # \_\_\_\_\_

Expiration Date \_\_\_\_\_ Security Code \_\_\_\_\_  
(on back of card)

4. Register online at [www.westernforestry.org](http://www.westernforestry.org)

### Location and Lodging

The field session vans will depart daily from and return to the Best Western Hood River Inn located at 1108 East Marina Way in Hood River, Oregon. Reduced rate lodging is available at the hotel by calling 800-828-7873 and mentioning Insect and Disease Field Session. Single or double rooms are \$169 plus tax. After May 20, 2019 reduced rate rooms will be subject to availability. **Please make your reservations early since the Hood River Inn will sell out over the field trip dates.**

### Field Equipment

The following equipment is suggested: pocket magnifier, water bottle, backpack, field book for notes, plastic sample bags, rain gear, field boots, and pocket knife. Box lunches and refreshments will be provided each day.

### Registration

The registration fee is \$695 if received by June 6, 2019 or \$775 if received after June 6, 2019. The registration fee includes field transportation, daily box lunch and refreshments. Checks should be made payable to Western Forestry and Conservation Association. Purchase orders, VISA/MasterCard, and American Express are accepted. Tax ID # 930-331-712. No refunds for cancellations after June 6, but substitutions are always welcome. Register on-line at [www.westernforestry.org](http://www.westernforestry.org).

### Continuing Education and Pesticide Recertification Credits

An application for OR and WA Pesticide license recertification credits has been submitted. It is anticipated that the session will be eligible for 20 hrs. Attendees will also be eligible for CFE credits through the Society of American Foresters.

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### Registration Questions?

Call Melinda at (503) 226-4562 or  
[melinda@westernforestry.org](mailto:melinda@westernforestry.org)

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