**CURRICULUM VITAE for JAY W. PSCHEIDT**

**October 2020**

**RANK:** Professor - Extension Plant Pathology Specialist

**MAILING ADDRESS:** Department of Botany and Plant Pathology

1089 Cordley Hall

Oregon State University

Corvallis, Oregon 97331-2903

**COMMUNICATIONS:** Voice: 541-737-3472 or 541-737-5539

FAX: 541-737-2412

Cell: 541-740-6621

E-MAIL: pscheidj@science.oregonstate.edu

**DATE OF BIRTH:** October 4, 1958

## EDUCATION AND EMPLOYMENT INFORMATION

**EDUCATION:**

1985, Ph.D., Plant Pathology, University of Wisconsin-Madison

1983, M. S., Plant Pathology, University of Wisconsin-Madison

1980, B. S., Bacteriology, University of Wisconsin-Madison

**POSITIONS HELD:**

Professor, Extension Plant Pathology Specialist, Oregon State University, Corvallis, OR, June 1999-present.

Associate Professor, Extension Plant Pathology Specialist, Oregon State University, Corvallis, OR, June 1993-present.

Assistant Professor, Extension Plant Pathology Specialist, Oregon State University, Corvallis, OR, May 1988-June 1993.

Research Associate II, Cornell University, 1986-1988.

Specialist and Research Associate, University of Wisconsin-Madison, 1985-1986.

Research Assistant, University of Wisconsin-Madison, 1980-1985.

**APPOINTMENT:** 12 month

**FTE DISTRIBUTION:**

1.00 College of Agricultural Sciences

**PRINCIPAL DUTIES IN PRESENT POSITION:**

Lead statewide extension program related to the diagnosis and management of diseases of fruit, nut, and ornamental/nursery crops.

**TEACHING, ADVISING AND OTHER ASSIGNMENTS**:

**INSTRUCTIONAL SUMMARY – CREDIT COURSES**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Course Number | Name of Course | Term/Year | # of Students | % Responsibility |
| Bot 453/553 | Plant Disease Diagnosis | Summer 1994 | 7 | 80 |
| Bot 453/553 | Plant Disease Diagnosis | Summer 1996 | 1 | 100 |
| Bot 553 | Plant Disease Diagnosis | Summer 1998 | 12 | 80 |
| Bot 453/553 | Plant Disease Diagnosis | Summer 2002 | 9 | 80 |
| Bot 453/553 | Plant Disease Diagnosis | Summer 2006 | 1 | 100 |
| Bot 453/553 | Plant Disease Diagnosis | Summer 2008 | 9 | 80 |
| Bot 553 | Plant Disease Diagnosis | Summer 2012 | 8 | 80 |
| Bot 553 | Plant Disease Diagnosis | Summer 2016 | 6 | 80 |
| Bot 553 | Plant Disease Diagnosis | Summer 2018 | 6 | 80 |

**Botany 453/553 - Plant Disease Diagnosis** :

Summer 2018 - Scheduled, planned, implemented, taught and graded class.

Summer 2016 - Scheduled, planned, implemented, taught and graded class.

Summer 2012 - Scheduled, planned, implemented, taught and graded class.

Summer 2010 – Scheduled and planned but only 5 students registered so it was canceled.

Summer 2008 - Scheduled, planned, implemented, taught and graded class.

Summer (Spring) 2006 - The course was designed this year to accommodate a single student.

Summer 2002 - Scheduled, planned, implemented, taught and graded class.

Summer 1998 - Scheduled, planned, implemented, taught and graded class.

Summer 1996 - Scheduled, planned and prepared for teaching, however, only one graduate student registered and formally took the class for credit. The course was then redesigned to accommodate a single student.

Summer 1994 – Scheduled, planned, implemented, taught and graded class.

**Horticulture 349 – Diagnosing Plant Problems (Neil Bell Instructor – Online Course)**

Spring 2020 – Helped Neil Bell teach the course including review of course material, monitor and comment on the huge volume in the student discussion board and participate as a co-instructor during the implementation of this online course.

Spring 2019 – Helped Neil Bell teach the course including review of course material, monitor and comment on the huge volume in the student discussion board and participate as a co-instructor during the implementation of this online course.

Spring 2018 – Helped Neil Bell teach the course including review of course material, monitor and comment on the huge volume in the student discussion board and participate as a co-instructor during the implementation of this online course.

Spring 2017 – Helped Neil Bell teach the course including review of course material, monitor and comment on the huge volume in the student discussion board and participate as a co-instructor during the implementation of this online course. (Course as a whole got 6.0 rating out of 6.)

Spring 2016 – Helped Neil Bell teach the course including review of course material, monitor and comment on the huge volume in the student discussion board and participate as a co-instructor during the implementation of this online course.

Spring 2015 – Helped Neil Bell teach the course including review of course material, monitor and comment on the huge volume in the student discussion board and participate as a co-instructor during the implementation of this online course.

Spring 2014 – Helped Neil Bell teach the course including review of course material, monitor and comment on the huge volume in the student discussion board and participate as a co-instructor during the implementation of this online course. (Course as a whole got 5.8 rating out of 6.)

Spring 2013 – Helped Neil Bell teach the course including review of course material, monitor and comment on the huge volume in the student discussion board and participate as a co-instructor during the implementation of this online course.

Spring 2012 – Helped Neil Bell develop and teach the course. He did the lion’s share of the work. My involvement was review of course material, development of one week of instruction and participate something like a TA during the implementation of this online course.

**Guest Lectures or Field Trips**:

Prior to promotion to professor: 9

Prior to 2010: 11

Date Class Topic

1/27/20 Bot 552 Disease Warning Systems.

5/22/19 Hort 351 Disease Management in the Greenhouse.

4/4/19 Chemeketa Grape Pest Management.

10/16/18 Chemeketa IPM – Into to Plant Disease.

5/30/18 Chemeketa Grape Pest Management.

1/26/18 Bot 552 Disease Warning Systems.

5/16/17 Vit 454 Vineyard Disease Management.

1/20/16 Bot 552 Disease Warning Systems.

1/17/14 Bot 552 Disease Warning Systems.

1/23/12 Bot 552 Disease Warning Systems.

1/15/10 Bot 552 Disease Warning Systems.

**INSTRUCTIONAL SUMMARY – NON-CREDIT COURSES AND WORKSHOPS**

**Master Gardener Training** - A 3 or 6 hour training session for volunteers. Plant pathology and plant health diagnosis are 2 of the 4 classes everyone must attend to receive class credit. Slide set and handouts are prepared and updated each year. Presentations were overhauled in 2001 and converted to power point. (AD = All Day). The Mini-College is time when Master Gardeners from around the state attend more advanced sessions during several days on the OSU campus. I also teach at this event but each talk each time is very different from the others I generally teach around the state. (Most teaching ratings are on a 4.0 scale unless otherwise stated.) I have also done the on-line version of plant pathology for Master Gardeners – there were 74 students enrolled in 2015.

Prior to promotion to professor: 46 classes

Prior to 2010: 60

2020 Dallas (2/12 Half Day), Roseburg (2/18, Half day), Central Point (2/26, Half day), Grants Pass (2/27, Half day), Myrtle Point (3/5 AD) and Gold Beach (3/6 AD). Several canceled due to Covid-19 but able to have classes switch to my online program.

2019 Tangent (2/7 Half Day), McMinnville (2/28 Half Day), and Salem (3/4 Half Day).

2018 Eugene (2/24 AD, overall rating 5.3 on a 6 point scale), Dallas (2/14 Half Day), Tillamook (2/22 AD), The Dalles (2/28 AD), Coos Bay (3/8 AD) and Gold Beach (3/9 AD).

2017 McMinnville (2/23 Half Day), Hood River (3/11 AD), and Salem (3/13 Half Day).

2016 Astoria (2/24 AD), Tillamook (2/25 AD), Dallas (3/2 Half Day), Coos Bay (3/3 AD), Gold Beach (3/4 Half Day) and The Dalles (3/16 Half Day).

2015 Bend (2/21 All Day), Salem (3/9 Half Day), and McMinnville (3/12 Half Day).

2014 Tangent (2/13 Half Day), Dallas (2/26 Half Day), Newport (2/25 AD, overall rating 5.8 on 6 point scale), Coos Bay (2/27 AD), Gold Beach (2/28 AD, overall rating 5.8 on 6 point scale), Astoria (3/5 AD), and Tillamook (3/11 AD, overall rating 5.5 on 6 point scale).

2013 Tangent (1/31 Half Day), Dallas (2/27 Half Day, overall rating 5.8 on 6 point scale), and McMinnville (2/28 AD).

2012 Newport (2/28 AD overall rating 5.5 on 6 point scale), Tangent (3/1 Half Day +), Salem (3/5), Tillamook (3/6 AD overall rating 5.5 on 6 point scale), Coos Bay (3/8 AD), Gold Beach (3/9 AD overall rating 5.3 on 6 point scale), Grants Pass (3/15 AD overall rating 5.7 on 6 point scale) and The Dalles (3/28 AD).

2011 Astoria (2/9 AD), Bend (3/12 AD).

2010 Rickreall (1/20, overall rating 3.9), Tangent (2/9), McMinnville (2/18 AD), Salem (2/22), Tillamook (3/2 AD), Newport (3/9 AD, overall rating 6.0 on 6 point scale) and Medford (3/24 AD, overall rating 5.9 on 6 point scale).

**Ask an Expert –** This is a national program that Oregon participates in to help match up local questions with experts in the field. I handle plant disease questions for perennial crops and help move other questions to the appropriate person. Many others that participate in the program ask me questions outside of the program so they can respond. I only document what the system has recorded for my activity. (Touched counts every kind of question interaction (answering, assigning, tagging, locating, grouping, editing, etc.)

[2020 Answered: 181 Assigned: 191 Touched: 191](https://ask.extension.org/expert/reports/expert/12552" \l "collapse_2019)

[2019 Answered: 69 Assigned: 75 Touched: 74](https://ask.extension.org/expert/reports/expert/12552" \l "collapse_2019)

[2018 Answered: 72 Assigned: 101 Touched: 96](https://ask.extension.org/expert/reports/expert/12552#collapse_2018)

[2017 Answered: 48 Assigned: 71 Touched: 70](https://ask.extension.org/expert/reports/expert/12552#collapse_2017)

[2016 Answered: 95 Assigned: 133 Touched: 130](https://ask.extension.org/expert/reports/expert/12552#collapse_2016)

[2015 Answered: 87 Assigned: 101 Touched: 98](https://ask.extension.org/expert/reports/expert/12552#collapse_2015)

[2014 Answered: 55 Assigned: 70 Touched: 68](https://ask.extension.org/expert/reports/expert/12552#collapse_2014)

[2013 Answered: 46 Assigned: 94 Touched: 82](https://ask.extension.org/expert/reports/expert/12552#collapse_2013)

[2012 Answered: 29 Assigned: 48 Touched: 43](https://ask.extension.org/expert/reports/expert/12552#collapse_2012)

[2011 Answered: 21 Assigned: 35 Touched: 29](https://ask.extension.org/expert/reports/expert/12552#collapse_2011)

**Online** **Blueberry Physiology, Production Systems & Management course**

Co-instructor (and developed lecture curriculum) for online Professional and Continuing Education course entitled Online Blueberry Physiology, Production Systems & Management, offered Jan. 23 – March 6, 2017 and March 6 – April 10, 2017. Disease management lectures were developed with information from Jerry Weiland, Bob Martin and Inga Zazada. Course led by B. Strik. 35 students per offering. In first offering students include organic and conventional growers, consultants and peers (5) from 3 international countries, and 3 states in the USA. Cumulative overall rating from 53 students (which included 25 crop advisors) was a 4.7 on a 1 to 5 scale.

<https://pace.oregonstate.edu/catalog/online-blueberry-physiology-production-systems-management>

**Short Courses and Workshops**:

Prior to promotion to professor: 27

Prior to 2010: 17

Date Place Topic

2/13/20 Salem Boxwood Blight workshop for ODA nursery inspectors. Presentations along with Jerry Weiland.

11/7/19 NWREC Boxwood Blight workshop for nursery growers. Presentations along with Luisa Santamaria, Jerry Weiland and Chris Benemann.

10/29/19 NWREC Growing Hazelnuts in the PNW: Biology and Management of Bacterial Blight Workshop

8/16/19 West Salem LIVE/OWRI Field Day – ISS demonstration.

5/17/19 Medford Spring Vineyard Mechanization Workshop – ISS demonstration.

1/16/19 Roseburg Vineyard Mechanization Workshop – Managing trunk diseases.

8/14/18 Springfield OSU Hazelnut IPM Workshop - ISS

9/21/17 Clackamas (CCC) Small Farm School – Plant Problem Diagnosis. Team-taught with Nik Andrews both in classroom and in the field. Both sessions received a 4.0 quality rating on scale of 1-5.

8/23/17 Rickreal OSU Hazelnut IPM Workshop - EFB and Disease Management

8/22/16 Amity OSU Hazelnut IPM Workshop - EFB Update

7/28/15 Gold Hill Southern Oregon Field Day - Vineyard Scouting Workshop – Scouting for fungal diseases.

3/17/15 Corvallis Oregon Blueberry Conference – Fungal Diseases of Blueberry.

2/28/15 Corvallis Small Farms Conference – Integrated Disease Management in the Orchard.

11/25/14 Central Point Grape Crown Gall (handout and short field tour)

9/6/14 Clackamas (CCC) Small Farm School – Managing Diseases and Insects in Tree fruit. Team-taught with Paul Jepson.

5/21/14 Alpine Vineyard Scouting Workshop – Scouting for fungal diseases.

2/11/14 Eugene NCAP Blueberry Workshop – Mummy Berry Commercial product management.

12/17/13 Corvallis OWRI Webinar – Berry Cracking and Botrytis Rot.

9/7/13 Clackamas (CCC) Small Farm School - Plant Problem Diagnosis (Session rating was 4.5 on a 5 point scale where 5 is good) and Managing Diseases in Berry Crops (Session rating was 4.3)

6/13/13 Springfield & Jerry’s Home Improvement Center – Plant Problem Diagnosis

Eugene Two separate presentations at their stores.

6/11/13 Moiser Vineyard Scouting Workshop – Scouting for fungal diseases (overall rating 5.3 on 6 point scale).

1/8/13 Wilsonville Chemical Applicators Short Course – presentation on Bacterial Diseases of Landscape Plants.

10/18/12 NWREC OktoberPest – Deny Disease. co-organized with Robin Rosetta and Luisa Santamaria. Presented information on basic biology of two new diseases Box Blight and Impatiens Downy Mildew. Also chemical recommendations. Several handouts prepared.

9/20/12 Hubbard Attended Hazelnut CAIP training.

9/12/12 Springfield & Jerry’s Home Improvement Center – Plant Problem Diagnosis

Eugene Two separate presentations at their stores.

9/8/12 Clackamas (CCC) Small Farm School - Plant Problem Diagnosis (Session rating was 4.61 on a 5 point scale where 5 is good).

5/8/12 Milton-Freewater Vineyard Scouting Workshop - I helped USDA present a demonstration on how to recognize powdery mildew.

2/21/12 Eugene NCAP Blueberry Production Workshop – Disease Cycle and Emerging Alternative Controls.

2/7/12 Eugene Plant Pathology Short Course – New Combination Fungicides.

5/17/11 Gold Hill Vineyard Scouting Workshop - I helped USDA present a demonstration on how to recognize powdery mildew.

5/10/11 Hood River Winegrape Disease Management Workshop – Vineyard Disease Management – managing powdery mildew and bunch rot.

12/9/10 McMinnville New Hazelnut Growers Workshop – EFB Management.

**Museum Day** - I was involved with this project almost each quarter since the spring of 1994 to spring of 2003 for a total of 19 events.

**Grower Field Tours**: Topics are developed between the organizer, their clientele and myself. I may or may not give a formal presentation, but I am frequently asked to comment publicly or one-on-one about disease control. Handouts are developed for some of the events. An enormous amount of information can be delivered via these events. This activity is an integral part of my extension program.

Prior to promotion to professor: 60

Prior to 2010: 42

Date Location Event Formal Presentation

9/10/20 Forest Grove Hines Nursery Spray off Demonstration of ISS

9/11/19 Boring Smart Guided Systems Demo No specific topic.

8/28/19 Canby BASF Cevya launch No specific topic.

7/31/19 Albany Nut Growers Summer Tour No specific topic.

7/17/19 NWREC Blueberry Field Day No specific topic.

6/6/19 The Dalles Pre-Harvest Tour Cherry Viruses.

8/8/18 NWREC Nut Growers Summer Tour Intelligent Spray System (ISS)

6/5/18 The Dalles Pre-Harvest Tour GRA gave a talk on little cherry.

8/2/17 Tangent Nut Growers Summer Tour No specific topic.

6/15/17 Corvallis Ornamental Plant Breeding No specific topic.

Field Day

5/4/17 Harrisburg Spring Growth Project Spring fungicides.

(Willamette Hazelnut)

7/6/16 NWREC Blueberry Field Day No specific topic.

5/31/16 The Dalles Pre-Harvest Tour No specific topic.

8/5/15 Corvallis Nut Growers Summer Tour Tour of Fungicide Yield Plots for 500

growers .

8/29/14 Corvallis OSU Turf Field Day No formal presentation but

Asked to evaluate the program.

7/17/14 Medford area Rogue Valley AVA No formal presentation but

Vineyard Tour lots of talk about crown gall, etc.

7/16/14 NWREC Blueberry Field Day Mummy Berry in Blueberry.

6/5/14 Alvador NCAP Blueberry Field Day Mummy Berry Management.

8/7/13 St Paul Nut Growers Summer Tour No formal presentation.

7/17/13 NWREC Blueberry Field Day Mummy Berry in Blueberry.

3/6/13 Linden, WA Raspberry Growers None but evaluation of Botrytis

management programs.

8/1/12 Cornelius Nut Growers Summer Tour No formal presentation.

7/17/12 Medford area Rogue Valley AVA No formal presentation.

Vineyard Tour

9/14/11 NWREC Nursery Faire Booth for B&PP outreach programs.

8/25/11 Corvallis USDA Blueberry Day No formal presentation.

8/3/11 Harrisburg Nut Growers Summer Tour EFB in hazelnut prunings.

Grad student also presented.

6/16/11 Amity New Hazelnut Growers No formal presentation.

Field Day

6/15/11 West Salem Cherry Field Day No formal presentation.

9/8/10 Monmoth OSU Extension IPM No formal presentation.

Hazelnut Field Day

8/4/10 McMinnville Nut Growers Summer Tour EFB Control News.

7/14/10 NWREC Blueberry Field Day Fruit Rots in Blueberry.

6/10/10 Roseburg area Umpqua Valley Grape Day No formal presentation.

6/9/10 NWREC Strawberry Open House Management of Botrytis Fruit Rot.

6/4/10 Amity OSU Stone Fruit Tour No formal presentation.

6/3/10 The Dalles Pre-Harvest Cherry Tour No formal presentation.

**INSTRUCTIONAL SUMMARY – GRADUATE STUDENTS**

**GRADUATE THESIS AND NONTHESIS DIRECTED**

Lauri Lutes – PhD 2020. Botany and Plant Pathology.

Thesis Title: Identification and Occurrence of Sweet Cherry (*Prunus avium*) Virus and Virus-Like Diseases in Various Regions and Orchards of Oregon.

Current Employment: USDA-ARS-HCRL

Jade Florence – PhD 2016, Botany and Plant Pathology.

Thesis Title: Mulching to Manage Mummy Berry of Blueberry

Current Employment: Unknown

Stephanie Heckert – M.S., 2011, Botany and Plant Pathology.

Thesis Title: Ascospore Viability and Dispersal from Pruned Branches Infected with *Anisogramma anomala*

Current Employment: FRA, B&PP

Russ Nash – MS was expected 2004 but after 2 years he dropped out to pursue the life of an artist.

Scheck, Heather, Ph.D. 1997, Botany and Plant Pathology

Thesis Title: Copper and streptomycin resistance in *Pseudomonas syringae* isolated from Pacific Northwest nurseries.

Current Employment: Plant Pathologist, Office of the Ag Commissioner, Santa Barbara County, 263 Camino Del Remedio, Santa Barbara, CA 93110.

Schmitt, Molly (Hoffer), M.S. non-thesis, 1996, Botany and Plant Pathology

Current Employment: Unknown

**GRADUATE COMMITTEE MEMBERSHIPS**:

Litwin, Justin, M.S., 2020, Horticulture - Skinkis major professor

Weber, John Bryan, M.S., 2018-2019, Horticulture - Wiman major professor.

Guzman, Melinda, M.S., 2017-2019, Botany and Plant Pathology - Martin major professor.

Warneke, Brent, M.S., 2016-2018, Botany and Plant Pathology - Mahaffee major professor.

Clint Mattox - M.S. Horticulture, 2015 - Kowalewski major professor

John Yeo - Ph.D. 2013 – 2014, Crop and Soil Science - Sullivan major professor.

Wagner, Kelli, Non-thesis M.S., 2011, Horticulture - Skinkis major professor

Gadino, Angela, PhD, 2008-2010, Horticulture - Walton major professor.

Quito, Diego, PhD, 2009-2010, Botany and Plant Pathology - Martin major professor.

Naoyuki Ochiai, PhD., 2006-07, Crop and Soil Science – Parke major professor.

Honglin Chen, M.S., 2003, Horticulture – Mehlenbacher major professor.

Meredith Roche, M.S., 2001, Horticulture – Azerenko major professor.

Hall, Tyrone, M.S., 1999, Botany and Plant Pathology - Mahaffee major professor

Wittig, Hans, M.S., 1992, Botany and Plant Pathology - Johnson major professor

Lolas, Mauricio, M.S., 1991, Botany and Plant Pathology - Ingham major professor

Long, Jiang, Non-thesis M.S., 1992, Botany and Plant Pathology - Hansen major professor

**GRADUATE REPRESENTATIVE**:

Larissa Larocca de Souza - M.S. Horticulture (Program meeting 2/25/19)

Andrew Hubbard – Ph.D. Horticulture (Thesis defense 3/26/19)

Dixie Daniels - M.S. Sustainable Forest Management (Program meeting 1/15/16, Thesis defense 9/19/17)

John Weber - M.S. Horticulture (Program meeting 6/9/17)

Jimmy Klick - Ph.D. Horticulture (ENT) - (Program meeting 12/22/11, Oral Exam 6/5/13, Final Defense 11/14/14)

Michelle Agne - M.S. Sustainable Forest Management (Thesis defense 9/18/13)

Morgan Curtis - M.S. Horticulture (Program meeting 5/24/13)

Amanda J. Vance - M.S. Horticulture - (Thesis defense 5/16/12)

Jennifer Bergh - M.S. Entomology - (Thesis defense 4/8/11)

Eric Toman - M.S. Forest Resources - (Thesis defense 5/29/02)

Honglin Chen - Ph.D. Horticulture (Program meeting May 01)

Rebecca Brown – Ph.D. Horticulture (Prelim June 1998, Thesis defense July 01)

David Rolloff – Ph.D. Forest Resources (Thesis defense May 98)

Delaney, Bill - Ph.D. Forest Resources (Program meeting April 96)

Sang Kyun Kim - M.S. Defense - Forestry - 6/25/90

**POSTDOCTORAL TRAINEES**

Lisa Jones – start June 2014 to March 2016.

**TEAM AND COLLABORATIVE EFFORTS**

Many of my extension programs are team or collaborative efforts including the Pacific Northwest Plant Disease Control Handbook (24 contributors and 97 reviewers from around the PNW region including Canada), Eastern Filbert Blight (8 OSU faculty members), and Pest Management Guides (anywhere from 3 to 7 OSU faculty members not including grower or consultant participants). These comprise programs where I have a major leadership role. There are many others that I participate in but I have a more limited role.

A new website was launched in spring 2012, soon after publication of the 2012 printed handbook. Planning for the PNW Plant Disease Management Handbook website, a collaboration between EESC and the handbook senior editors, began in mid-2011. Within EESC, Jennifer Alexander coordinated the project and served as liaison between handbook senior editors Jay W. Pscheidt and Cynthia Ocamb, web developers, and the handbook copyeditor; Bryan Mayjor led web development; and student employee Ian Rose assisted with web development and testing.

From 2012 through **present**, I have assumed the coordinator activity for the OSU Growing Knowledge Series published each month in the Digger (a nursery industry trade magazine for Oregon Association of Nurserymen). Surveys at the 2016 and 2017 FarWest Show found that there was about a 50% awareness of the Growing Knowledge series although there was a 99% awareness of the Digger magazine.

A joint project finished in 2008 was designed to deliver education about *Phytophthora* diseases via an electronic course. ODA made a request of OSU for training. We countered with a more comprehensive proposal that was funded. This is a very new concept for extension delivery where we developed the core materials from scratch. The course is on-line and free to the public at: (https://horticulture.oregonstate.edu/osu-nursery-greenhouse-and-christmas-trees/phytophthora-online-course-training-nursery-growers) There is an associated test that can be taken for a fee. Successful completion of the test earns a Certificate of Mastery on Phytophthora from Oregon State University Extended Campus. The authors are from 3 different OSU departments, 1 federal agency (USDA) and another state agency (ODA).

Parke, J., Pscheidt, J., Regan, R., Hedberg, J. and Grunwald, N. 2008. *Phytophthora* Online Course: Training for Nursery Growers. Oregon State University Extended Campus.

The “USDA Intelligent Sprayer” program is a new project started in 2018. This inter-departmental, multi-state, multi-agency program has many small teams. The Oregon team consists of Lloyd Nackley (Hort), Robin Rosetta (Hort) and myself. This is phase two where established sprayers are retrofitted with a LIDAR laser, Doppler radar, computer components with special algorithms and solenoids to control each Pulse Width Modulation (PWM) nozzle on the sprayer. We have focused on grape, hazelnut and nursery production systems to test retrofitted sprayers with this new technology.

Part of a Boxwood Blight SCRI grant as of 2020. Title: Improving boxwood blight mitigation through innovation, economic analysis and education. My involvement with this huge team is to extend information on scouting, disease diagnosis and management. Goals are to produce a scouting video, hold workshops, refine fungicide application recommendations and update our extension materials.

**STUDENT AND PARTICIPANT/CLIENT EVALUATIONS**

|  |  |  |  |
| --- | --- | --- | --- |
| Course | Botany 453/553 | | |
| Year (Summer) | 1994\* | 1998\*\* | 2002\* |
| Number of evaluation responses | 7 | 10 | 5 |
| Course objectives and requirements clearly presented | 3.1 | 4.9 | 4.0 |
| Well prepared and organized | 3.4 | 4.7 | 4.0 |
| Material explained clearly | 3.3 | 4.8 | 4.0 |
| Sensitive to students’ ability to understand material | 3.7 | NA | 3.6 |
| Stimulated enthusiasm for the subject | 3.6 | 5.0 | 3.8 |
| Scheduled office hours and was available for consultation | 3.7 | NA | 3.6 |
| Fair and impartial | 3.4 | NA | 3.6 |
| Encouraged students to think for themselves | 3.9 | 4.9 | 3.8 |
| Examinations relevant to reading assignments and material presented | 3.8 | NA | 3.7 |
| Good communications skills | 3.4 | NA | 3.8 |
| Students learned significant new ideas or skills | 3.7 | NA | 4.0 |
| Overall, favorable impressed | 3.6 | 4.9 | 4.0 |
| Combined Total Score | 3.5 | 4.8 | 3.8 |

\*Scale was 0 to 4.0 with 4.0 = Strongly Agree

\*\*Scale was 1 to 5 with 5 = Excellent, NA = Not Asked

|  |  |  |  |
| --- | --- | --- | --- |
| Course | Botany 453/553 | | |
| Year (Summer) | 2008\* | 2012 | 2016 |
| Number of evaluation responses | 6 | 4 | 4 |
| Course as a whole was…. | 6.0 | 5.8 | 6 |
| Instructor’s contribution to the course was… | 5.8 | 5.8 | 6 |
| Clarity of course objectives was…. | 5.9 | 5.5 | 6 |
| Clarity of student responsibilities and requirements was… | 5.9 | 4.8 | 6 |
| Course organization was… | 5.5 | 5.5 | 5.8 |
| Availability of extra help when needed was… | 5.8 | 5.3 | 6 |
| Instructor’s use of instructional techniques was… | 5.7 | 5.5 | 6 |
| Instructor’s interest in student learning was… | 5.8 | 5.5 | 6 |
| Instructor’s ability to stimulate thinking was… | 6.0 | 5.5 | 6 |
| Instructor’s timely feedback to tests & other work was… | 6.0 | 5.8 | 6 |
| Instructor’s ability to develop a welcoming class environment for all was… | 5.9 | 5.8 | 6 |
| Instructor’s evaluation of student performance was… | 5.9 | 5.2 | 6 |

\*Scale was 0 to 6.0 with 6.0 = Excellent

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Course | Master Gardener Training\* | | | | | |
| Date | 2/9/94 | 2/21/95 | 2/29/96 | 4/8/97 | 2/17/98 | 2/19/98 |
| Location | Astoria | Redmond | Newport | Redmond | Albany | Newport |
| Number of evaluation responses | 18 | 26 | 15 | 17 | ? | 13 |
| Clearly explained purpose of presentation | NA | 4.6 | NA | 4.9 | NA | NA |
| Well prepared and organized | NA | 4.5 | 4.9 | 4.9 | 4.6 | NA |
| Presentation was understandable | NA | 4.6 | 4.7 | 4.8 | 4.1 | NA |
| Topic covered adequately | NA | NA | 4.6 | NA | 3.9 | NA |
| Demonstrated enthusiasm for the subject | NA | 4.8 | NA | 5 | NA | NA |
| Encouraged questions and interaction with participants | NA | 4.9 | NA | 5 | NA | NA |
| Stimulated me to think about how to use the information | NA | 4.8 | NA | 5 | NA | NA |
| Visual aids used were appropriate | NA | 4.5 | 4.7 | 4.8 | 4.4 | NA |
| Overall rating for teaching | 4.2 | 4.7 | 4.7 | 4.9 | 4.3 | 4.6 |

\*Scale is 1 to 5 with 5 = Excellent; ? = unknown; NA = Not Asked.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Course | Master Gardener Training (cont.)\* | | | | |
| Date | 3/7/01 | 3/8/01 | 3/13/01 | 1/22/02 | 3/4/02 |
| Location | Newport | McMinnville | Roseburg | Roseburg | Gold Beach |
| Number of evaluation responses | 39 | 30 | 46 | 33 | 9 |
| Clearly explained purpose of presentation | NA | NA | 4.8 | 4.8 | NA |
| Well prepared and organized | 4.7 | NA | 4.8 | 4.8 | 4.9 |
| Presentation was understandable | 4.1 | NA | 4.6 | 4.7 | NA |
| Topic covered adequately | NA | NA | NA | NA | NA |
| Demonstrated enthusiasm for the subject | 4.9 | NA | 4.9 | 4.9 | 4.9 |
| Encouraged questions and interaction with participants | 3.5 | NA | 4.6 | 4.8 | 4.5 |
| Stimulated me to think about how to use the information | 4.5 | NA | 4.8 | 4.8 | 4.9 |
| Visual aids used were appropriate | 4.8 | NA | 4.9 | 4.9 | 3.8 |
| Overall rating for teaching | 4.4 | 4.9 | 4.8 | 4.8 | 4.4 |

\*Scale is 1 to 5 with 5 = Excellent; ? = unknown; NA = Not Asked or not available.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Course | Master Gardener Training (cont.) | | | | |
| Date | 2/14/02 | 3/5/02 | 1/27/04 | 2/5/04 |  |
| Location | Newport | Coquille | Tillamook | Newport |  |
| Number of evaluation responses | 19\* | 19\* | 14 | 18 |  |
| Instructor was prepared | 4.8 | 4.7 | NA | 4.7 |  |
| Instructor was organized | 4.8 | 4.7 | NA | 4.7 |  |
| Instructor was enthusiastic | 4.8 | 5.0 | NA | 4.9 |  |
| Presentation was understandable | 4.6 | 4.7 | NA | 4.7 |  |
| Presentation was organized | 4.8 | 4.6 | NA | 4.7 |  |
| Subject matter was stimulating | 4.8 | 4.8 | NA | 4.7 |  |
| Content was appropriate for audience | 4.8 | 4.2 | NA | 4.7 |  |
| Visual aids were appropriate | 4.8 | 4.8 | NA | 4.7 |  |
| Handouts were clearly prepared and useful | 4.6 | 4.4 | NA | 4.6 |  |
| Instructor encouraged questions and interaction | 3.5 | 4.1 | NA | 4.7 |  |
| Overall rating for teaching | 4.8 | 4.8 | 4.6 | 4.7 |  |

\*Scale is 1 to 5 with 5 = Excellent; ? = unknown; NA = Not Asked or not available.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Course | Master Gardener Training (cont.) | | | |
| Date | 2/18/02 | 3/6/02 | 3/19/03 |  |
| Location | Salem | Bend | Rickreall |  |
| Number of evaluation responses | 21 | 31 | 15 |  |
| Teacher told me what I should learn from class | 3.7 | 3.8 | 3.7 |  |
| Teacher taught what he said he would teach | 3.8 | 4.0 | 3.7 |  |
| Teacher used language I understood | 3.6 | 3.9 | 3.8 |  |
| Teacher presented information I needed | 3.8 | 3.9 | 3.8 |  |
| Presented information in a logical manner. | 3.9 | 3.9 | 3.7 |  |
| Teaching aids helped me understand the information | 4.0 | 4.0 | 3.8 |  |
| Teacher showed how what I learned relates to what I do | 4.0 | 3.9 | 3.7 |  |
| Teacher encouraged me to think of solutions to problems | 4.0 | 4.0 | 3.9 |  |
| Teacher listened to class members | 3.9 | 3.7 | 3.8 |  |
| Teacher answered questions | 3.5 | 3.8 | 3.9 |  |
| Teacher allowed time for learners to talk about class with teacher. | 3.9 | 4.0 | 3.8 |  |
| Overall rating for teaching | 3.7 | 4.0 | 3.8 |  |

\*\*Scale is 1 to 4 with 4 = Excellent; ? = unknown; NA = Not Asked or not available.

**Miscellaneous Numerical Evaluations:**

9/19/14, Mt. Vernon, WA, Fall Orcharding Workshop, Apple Diseases, Out of 17 responses 14 indicated the presentation was useful and relevant to the development of their business, 2 said it was mostly useful and 1 said it was somewhat useful and 0 indicated it was not useful.

NCAP Blueberry Production Workshop – Disease Cycle and Emerging Alternative Controls. 2/21/12 Eugene , My presentation was rated 3.8 on a 4 point scale out of 40 responses.

Entomology/Disease Short Course on a scale of 1 to 5 with 5 = Excellent.

My presentation was rated 4.1 out of 88 responses.

Extension Workshop: Understanding *Phytophthora* Diseases in Nursery Crops. – NWREC

6/18/02 - My presentation was rated 4.4 (on a scale of 1 to 5 with 5 = Excellent).

Idaho Hort Expo - Top 20 Disease and Their Control - 1/23/04 - Boise, ID

My presentation was rated 4.0 (on a scale of 1 to 5 with 5 = Excellent) out of 24 responses from a packed room with well over 200 people.

**SCHOLOARSHIP AND CREATIVE ACTIVITIES**

**MAJOR AREAS OF CURRENT RESEARCH** – The control of eastern filbert blight continues to be an active area of research. The use of chemical and cultural control tactics are being investigated against EFB including a long term study that may take several years to gain results. Kernel mold has become another interest for growers and I have several projects aimed at understanding this disease(s).

Testing the efficacy of many chemical compounds, biologicals and techniques for control of various tree fruit, nut and ornamental diseases continues to produce valuable, extendable information for Oregon’s agricultural industries. Testing has also included the use of Intelligent Spray Systems where sensors are used to turn nozzles off/on when plant canopies are or are not detected.

Understanding the virus situation in Oregon’s cherry industries is important as new viruses have been discovered in Washington production areas. Virus surveys are underway as well as research on the biology of the nematode transmitted *Tomato ringspot virus*.

**PUBLICATIONS**:

**Refereed Journal Articles**:

**Pscheidt, J. W**. and Heckert, S. 2021. Progression of kernel mold on hazelnut. Plant Disease, 105:xxx-xxx. Accepted.

Warneke, B., Zhu, H., **Pscheidt, J. W.**, Nackley, L. L. 202X. Perspective: Canopy spray application technology in specialty crops: A slowly evolving landscape. Pest Management Science **(**Accepted**)**

Mattox, C.M., Kowalewski, A.R., McDonald, B.W., Lambrinos, J.G. and **Pscheidt, J.W.** 2020. Combinations of rolling, mineral oil, sulfur, and phosphorous acid affect Microdochium patch severity. Agronomy Journal. 112:3383-3395.

Webber, J.B., Putnam, M., Serdani, M., **Pscheidt, J.W**., Wiman, N.G. and Stockwell, V.O. 2020. Characterization of isolates of *Xanthomonas arboricola* pv. *corylina*, the causal agent of bacterial blight, from Oregon hazelnut orchards. Journal of Plant Pathology 102:799-812.

Castroagudin, V. L., Yang, X., Daughtrey, M. L., Luster, D. G., **Pscheidt, J. W.**, Weiland, J. E. and Crouch, J. A. 2020. Boxwood Blight Disease: A Diagnostic Guide. Plant Health Progress <https://doi.org/10.1094/PHP-06-20-0053-DG>

**Pscheidt, J. W**., Heckert, S., Wiseman, M. and Jones L. 2019. Fungi associated with and influence of moisture on development of kernel mold of hazelnut. Plant Disease, 103:922-928.

**Pscheidt, J. W**., Bassinette, J. P., Heckert, S., and Cluskey, S. A. 2018. Hazelnut yield protection using fungicides against eastern filbert blight. Plant Health Prog. 19:254-257. https://doi.org/10.1094/PHP-05-18-0026-RS

**Pscheidt, J. W.**, Heckert, S. and Cluskey, S. A. 2018. Tank Mixing Fungicides for Effectiveness Against Eastern Filbert Blight of Hazelnut. Plant Disease, 102:919-924.

Mattox, C., A. Kowalewski, B. McDonald, J. Lambrinos, and **J. Pscheidt**. 2018. Rolling and biological control products affect Microdochium patch severity on a sand-based annual bluegrass putting green. Agronomy Journal. 110(6):2124-2129.

Lutes, L. A. and **Pscheidt, J.W.** 2017. First report of Cherry leaf roll virus on sweet cherry in Oregon. Plant Disease, 102:691.

**Pscheidt, J.W.,** Heckert, S. and Cluskey, S.A. 2017. Evaluation of Quinone Outside and Succinate Dehydrogenase Inhibitors for Effectiveness Against Eastern Filbert Blight of Hazelnut. Plant Disease 101:1868-1873.

Florence, J. and **Pscheidt, J.W.** 2017. *Monilinia vaccinii-corymbosi* Apothecial Development Associated With Mulch Depth and Timing of Application. Plant Disease 101:807-814.

Harteveld, D.O., Grant, M.R., **Pscheidt, J.W.** and Peever, T.L. 2017. Predicting Ascospore Release of *Monilinia vaccinii-corymbosi* of Blueberry with Machine Learning. Phytopathology 107:1364-1371. (See error data in Phytopath. 108:156)

Heckert, S., **Pscheidt, J. W**., and Cluskey, S. A. 2016. Evaluation of Chipped Cankers for Management of Eastern Filbert Blight. Plant Health Prog. doi:10.1094/PHP-RS-16-0037.

Florence, J. and **Pscheidt, J. W.** 2016. Overwintering stages of pseudosclerotia development for *Monilinia vaccinii-corymbosi*, causal agent of mummy berry disease on highbush blueberry in North America. Plant Health Progress doi:10.1094/PHP-BR-16-0003.

Mattox, C.M., Kowalewski, A.R., McDonald, B.W., Lambrinos, J.G., Daviscourt, B.L. and **Pscheidt, J.W.** 2016. Nitrogen and Iron Sulfate Affect Microdochium Patch Severity and Turf Quality on Annual Bluegrass Putting Greens. Crop Science 57:1-8.

Hadziabdic D, Wadl PA, Staton ME, Klingeman WE, Moulton JK, **Pscheidt JW**, Wiggins GJ, Grant JF, Lambdin PL, Windham MT, Faccoli M, Merten PR, Trigiano RN. 2015. Development of microsatellite loci in *Pityophthorus juglandis*, a vector of thousand cankers disease in *Juglans* spp. Conserv. Genet. Resour. 7(2):431-433. DOI: 10.1007/s12686-014-0388-0.

Zerillo MM, Caballero IJ, Woeste K, Graves AD, Hartel C, **Pscheidt JW**, Tonos J., Broders K., Cranshaw W., Seybold SJ, and Tisserat, N. 2014. Population Structure of Geosmithia morbida, the Causal Agent of Thousand Cankers Disease of Walnut Trees in the United States. PLoS ONE 9(11): e112847. doi:10.1371/journal.pone.0112847

**Pscheidt, J. W.**, and Harper, N. 2014. Progression of symptoms on blueberry infected with Blueberry shock virus. Plant Health Progress doi:10.1094/PHP-RS-13-0121.

Heckert, S., **Pscheidt, J.W**., and Cluskey, S.A. 2014. Disease incidence and ascospore dispersal from cut hazelnut branches colonized by *Anisogramma anomala*. Plant Disease 98:834-838.

Hadziabdic, D., Vito, L. M., Windham, M. T., **Pscheidt, J.W**., Trigiano, R.N. and Kolarik, M. 2014. Genetic differentiation and spatial structure of *Geosmithia morbida*, the causal agent of thousand cankers disease in black walnut (*Juglans nigra*). Current Genetics 60: 75-87. DOI 10.1007/s00294-013-0414-x.

Heckert, S., **Pscheidt, J.W**., and Stone, J.K. 2013. A quick and simple method to evaluate *Anisogramma anomala* Ascospore Viability. Online. Plant Health Progress. doi:10.1094/PHP-2013-0509-09-RS.

Tisserat, N., Cranshaw, W., Putnam, M. L., **Pscheidt, J**., Leslie, C. A., Murray, M., Hoffman, J., Barkley, Y., Alexander, K., and Seybold, S. J. 2011. Thousand cankers disease is widespread in black walnut in the western United States. Online. Plant Health Progress doi:10.1094/PHP-2011-0630-01-BR.

**Pscheidt, J.W.** and Cluskey, S. 2001. Fungicide Control of Eastern Filbert Blight. Acta Horticulturae 556:411-417. Represents 10 years of field trials.

Scheck, H.J. and **Pscheidt, J.W.** 1998. Effect of copper bactericides on copper-resistant and –sensitive strains of *Pseudomonas syringae* pv. *syringae*. Plant Disease 82:397-406. Graduate student’s thesis work that I assisted and directed in all phases.

Scheck, H.J., Canfield, M.L., **Pscheidt, J.W.** and Moore, L. W. 1997. Rapid evaluation of pathogenicity in *Pseudomonas syringae* pv. *syringae* with a lilac tissue culture bioassay and syringomycin DNA probes. Plant Disease 81:905-910. Graduate student’s thesis work that I assisted and co-directed in all phases.

Wittig, H. P. P., Johnson, K. B. and **Pscheidt, J. W.** 1997. Effect of epiphytic fungi on brown rot blossom blight and latent infections in sweet cherry. Plant Disease 81:383-387. Co-advised graduate student’s thesis and co-directed the research post-thesis.

Johnson, K.B., Mehlenbacher, S.A., Stone, J. K., **Pscheidt, J.W.** and Pinkerton, J.N. 1996. Eastern filbert blight of European hazelnut: It’s becoming a manageable disease. Plant Disease 80:1308-1316. Wrote the extension related material and helped write the disease management section.

Scheck, H. J., **Pscheidt, J. W.** and Moore, L. W. 1996. Copper and streptomycin resistance in strains of *Pseudomonas syringae* from Pacific Northwest nurseries. Plant Disease 80:1034-1039. Graduate student’s thesis work that I assisted and directed in all phases.

Mehlenbacher, S.A., Pinkerton, J.N., Johnson, K.B. and **Pscheidt, J.W.** 1994. Eastern filbert blight in Oregon. Acta Horticulturae 351:551-557. Wrote control recommendations.

Gadoury, D.M., Pearson, R.C., Riegel, D.G., Seem, R.C., Becker, C.M. and **Pscheidt, J.W.** 1994. Reduction of powdery mildew and other diseases by over-the-trellis applications of lime sulfur to dormant grapevines. Plant Disease 78:83-87. One of the “others diseases” is my research on Phomopsis cane and leaf spot.

Johnson, K.B., **Pscheidt, J.W.**, and Pinkerton, J.N. 1993. Evaluation of chlorothalonil, fenarimol, and fusilazole for control of eastern filbert blight. Plant Disease 77:831-837. A third of the paper is based on research I directed.

Pinkerton, J.N., Johnson, K.B., Mehlenbacher, S.A. and **Pscheidt, J.W.** 1993. Susceptibility of European hazelnut clones to eastern filbert blight. Plant Disease 77:261-266. Some the resources used in this research were under my direction.

**Pscheidt, J.W**., Burket, J.Z., Fischer, S.F. and Hamm, P.B. 1992. Sensitivity and clinical use of *Phytophthora*-specific immunoassay kits. Plant Disease 76:928-932.

Stone, J.K., Johnson, K.B., Pinkerton, J.N. and **Pscheidt, J.W.** 1992. Improved understanding of the infection biology of *Anisogramma anomala* on European hazelnut. Plant Disease 76:348-352.

**Pscheidt, J.W.** and Pearson, R.C. 1989. Time of infection and control of Phomopsis fruit rot of grape. Plant Disease 73:829-833.

**Pscheidt, J.W.** and Pearson, R.C. 1989. Effect of grapevine training systems and pruning practices on the occurrence of Phomopsis cane and leaf spot. Plant Disease 73:825-828.

**Pscheidt, J.W.** and Stevenson, W.R. 1988. The critical period for control of early blight (*Alternaria solani*) of potato. American Potato Journal 65:425-438.

**Pscheidt, J.W.** and Stevenson, W.R. 1986. Comparison of forecasting methods for control of potato early blight in Wisconsin. Plant Disease 70:915-920.

**Books (Peer Reviewed)** (See also Appendix A):

**Pscheidt, J.W.** and Ocamb, C. M. Senior editors. 2020. Pacific Northwest Plant Disease Management Handbook. Oregon State Extension Service. 1,001 pp.

**Pscheidt, J.W.** and Ocamb, C. M. Senior editors. 2019. Pacific Northwest Plant Disease Management Handbook. Oregon State Extension Service. 992 pp.

**Pscheidt, J.W.** and Ocamb, C. M. Senior editors. 2018. Pacific Northwest Plant Disease Management Handbook. Oregon State Extension Service. 946 pp.

**Pscheidt, J.W.** and Ocamb, C. M. Senior editors. 2017. Pacific Northwest Plant Disease Management Handbook. Oregon State Extension Service. 894 pp.

**Pscheidt, J.W.** and Ocamb, C. M. Senior editors. 2016. Pacific Northwest Plant Disease Management Handbook. Oregon State Extension Service. 848 pp.

**Pscheidt, J.W.** and Ocamb, C. M. Senior editors. 2015. Pacific Northwest Plant Disease Management Handbook. Oregon State Extension Service. 846 pp.

**Pscheidt, J.W.** and Ocamb, C. M. Senior editors. 2014. Pacific Northwest Plant Disease Management Handbook. Oregon State Extension Service. 804 pp.

**Pscheidt, J.W.** and Ocamb, C. M. Senior editors. 2013. Pacific Northwest Plant Disease Management Handbook. Oregon State Extension Service. 733 pp.

**Pscheidt, J.W.** and Ocamb, C. M. Senior editors. 2012. Pacific Northwest Plant Disease Management Handbook. Oregon State Extension Service. 715 pp.

**Pscheidt, J.W.** and Ocamb, C. M. Senior editors. 2011. Pacific Northwest Plant Disease Management Handbook. Oregon State Extension Service. 667 pp.

**Pscheidt, J.W.** and Ocamb, C. M. Senior editors. 2010. Pacific Northwest Plant Disease Management Handbook. Oregon State Extension Service. 679 pp.

**Pscheidt, J.W.** and Ocamb, C. M. Senior editors. 2009. Pacific Northwest Plant Disease Management Handbook. Oregon State Extension Service. 660 pp.

**Pscheidt, J.W.** and Ocamb, C. M. Senior editors. 2008. Pacific Northwest Plant Disease Management Handbook. Oregon State Extension Service. 642 pp.

**Pscheidt, J.W.** and Ocamb, C. M. Senior editors. 2007. Pacific Northwest Plant Disease Management Handbook. Oregon State Extension Service. 628 pp.

**Pscheidt, J.W.** and Ocamb, C. M. Senior editors. 2006. Pacific Northwest Plant Disease Management Handbook. Oregon State Extension Service. 607 pp.

**Pscheidt, J.W.** and Ocamb, C. M. Senior editors. 2005. Pacific Northwest Plant Disease Management Handbook. Oregon State Extension Service. 593 pp.

**Pscheidt, J.W.** and Ocamb, C. M. Senior editors. 2004. Pacific Northwest Plant Disease Management Handbook. Oregon State Extension Service. 600 pp.

**Pscheidt, J.W.** and Ocamb, C. M. Senior editors. 2003. Pacific Northwest Plant Disease Management Handbook. Oregon State Extension Service. 545 pp.

Teviotdale, B. L., Michailides, T. J. and **Pscheidt, J. W**. editors. 2002. Compendium of Nut Crop Diseases in Temperate Zones. APS Press, St. Paul, MN. 89pp.

**Pscheidt, J.W.** and Ocamb, C. M. Senior editors. 2002. Pacific Northwest Plant Disease Management Handbook. Oregon State Extension Service. 506 pp.

**Pscheidt, J.W.** and Ocamb, C. M. Senior editors. 2001. Pacific Northwest Plant Disease Management Handbook. Oregon State Extension Service. 537 pp.

**Pscheidt, J.W.** and Ocamb, C. M. Senior editors. 2000. Pacific Northwest Plant Disease Management Handbook. Oregon State Extension Service. 519 pp.

**Pscheidt, J.W.** and Ocamb, C. M. Senior editors. 1999. Pacific Northwest Plant Disease Control Handbook. Oregon State Extension Service. 465 pp.

**Pscheidt, J.W.** and Ocamb, C. M. Senior editors. 1998. Pacific Northwest Plant Disease Control Handbook. Oregon State Extension Service. 425 pp.

**Pscheidt, J.W.** Senior editor. 1997. Pacific Northwest Plant Disease Control Handbook. Oregon State Extension Service. 391 pp.

**Pscheidt, J.W.** Senior editor. 1996. Pacific Northwest Plant Disease Control Handbook. Oregon State Extension Service. 384 pp

Koepsell, P. A. and **Pscheidt, J.W.** Senior editors. 1995. Pacific Northwest Plant Disease Control Handbook. Oregon State Extension Service. 347 pp

Koepsell, P. A. and **Pscheidt, J.W.** Senior editors. 1994. Pacific Northwest Plant Disease Control Handbook. Oregon State Extension Service. 349 pp.

Koepsell, P. A. and **Pscheidt, J.W.** Senior editors. 1993. Pacific Northwest Plant Disease Control Handbook. Oregon State Extension Service. 352 pp

Koepsell, P. A. and **Pscheidt, J.W.** Senior editors. 1992. Pacific Northwest Plant Disease Control Handbook. Oregon State Extension Service. 335 pp

Koepsell, P. A. and **Pscheidt, J.W.** Senior editors. 1991. Pacific Northwest Plant Disease Control Handbook. Oregon State Extension Service. 307 pp

Koepsell, P. A. and **Pscheidt, J.W.** Senior editors. 1990. Pacific Northwest Plant Disease Control Handbook. Oregon State Extension Service. 293 pp

Koepsell, P. A. and **Pscheidt, J.W.** Senior editors. 1989. Pacific Northwest Plant Disease Control Handbook. Oregon State Extension Service. 272 pp

**Book Chapters** **(Peer Reviewed)**:

Prior to promotion to associate professor: 3

Prior to 2010: 8

**Pscheidt, J.W.** and Adaskaveg, J. E.20XX. Postharvest Diseases of Raspberry and Blackberry. in Adaskaveg, J. E.editors. Postharvest Diseases of Fruit and Nuts. APS Press, St. Paul, MN.

**Pscheidt, J.W.** 20XX. Strawberry Disease Diagnosis. in Peres, N., Gadoury, D. M., Stensvand, A., and Martin, R. editors. Compendium of Strawberry Diseases and Pests. 3rd Edition. APS Press, St. Paul, MN.

**Pscheidt, J.W.** and Rodriguez, T. G.2018. Diseases of Rose. Pages 713-742 in McGovern, R. J. and Elmer, W. H. editors. Handbook of Florists’ Crops Diseases. Springer International Publishing. DOI 10.1007/978-3-319-39670-5\_23

**Pscheidt, J.W.** 2016. Bacterial Canker. in Caruso, F. L. editors. Compendium of Blueberry, Cranberry, and Lingonberry Diseases and Pests. 2nd Edition. APS Press, St. Paul, MN.

Wilcox, W. F., Ellis, M. A., Rawnsley, B., Rossman, A., and **Pscheidt, J.W.** 2015. Phomopsis Cane and Leaf Spot. in Wilcox, W. F., Gubler, W. D. and Uyemoto, J. K.. editors. Compendium of Grape Diseases, Disorders and Pests. 2nd Edition. APS Press, St. Paul, MN. 232pp.

Newcombe, G. and **Pscheidt, J.W.** 2014. Rusts. in Benson, M. and Linderman, R. editors. Compendium of Rhododendron and Azalea Diseases and Pests. 2nd Edition. APS Press, St. Paul, MN. 136pp.

Moyer, M., Grove, G. and **Pscheidt, J.W.** 2013. Botrytis Bunch Rot. In Moyer, M.M. and O’Neal, S.D. 2013. Field Guide for Integrated Pest Management in Pacific Northwest Vineyards. PNW 644.

Moyer, M., Grove, G. and **Pscheidt, J.W.** 2013. Powdery Mildew. In Moyer, M.M. and O’Neal, S.D. 2013. Field Guide for Integrated Pest Management in Pacific Northwest Vineyards. PNW 644.

Grove, G. and **Pscheidt, J.W.** 2013. Fungicide Resistance Management. In Moyer, M.M. and O’Neal, S.D. 2013. Field Guide for Integrated Pest Management in Pacific Northwest Vineyards. PNW 644.

**Pscheidt, Jay W.** and Hartman, John R. 2011. Plant Diseases. Agriculture and Natural Resources Publications. Paper 121.http://uknowledge.uky.edu/anr\_reports/121

**Articles Published in Conference Proceedings** ("in house" Reviewed):

Prior to promotion to associate professor: 7

Prior to 2010: 11

**Pscheidt, J. W.** 2015. Managing EFB in Mature Orchards. Proceedings of the Nut Growers Society of Oregon, Washington and British Columbia. 100:43-52.

**Pscheidt, J. W.** 2014. Jefferson meets EFB in Oregon. Proceedings of the Nut Growers Society of Oregon, Washington and British Columbia. 99:75-78.

**Abstracts of Papers Presented at Professional Meetings**: (Peer Reviewed)

Prior to promotion to associate professor: 14

Prior to 2010: 9

Warneke, B., Nackley, L. L., Rosetta, R., Pscheidt, J. W. 2020. Using an intelligent sprayer and sulfur for management of grape powdery mildew. Abstract. Phytopathology (**in press**, poster presentation at APS Annual Meeting)

Warneke, B. W., **Pscheidt, J. W.**, Rosetta, R. and Nackley, L. 2019. Out of the box and through the rows: Intelligent Spray Systems research on grape and hazelnut at Oregon State University. Phytopathology S3.7 (Oral and Poster presentation at APS Pacific Division meeting.)

Lutes, L. A. and **Pscheidt, J. W.** 2019. Spread and host-specificity of *Tomato ringspot virus* on sweet cherry (*Prunus avium*) in Oregon*.* Phytopathology S2:144 (Poster at annual meeting)

**Pscheidt, J. W.**, Warneke, B. W., Rosetta, R. and Nackley, L. 2019. Efficacy of an intelligent sprayer on grape powdery mildew*.* OWRI Grape Day. (Poster and oral presentation.)

Stockwell, V. O., Shaffer, B., Jones, L. and **Pscheidt, J. W.** 2018. Fungicide resistance profiles of *Botrytis cinerea* isolated from berry crops in Oregon. Phytopathology S1:22. (Poster presentation.)

Weber, J. B., Stockwell, V. O., **Pscheidt, J. W.** and Wiman, N. 2018. Characterization of *Xanthomonas arboricola* pv. *corylina* causing bacterial blight of hazelnut. Phytopathology S2:58.

**Pscheidt, J. W.** and Bassinette, J. P. 2018. Early Bloom Timing for Better Grape Powdery Mildew Management in Western Oregon*.* OWRI Grape Day. (Poster presentation.)

Tobia, J., Muehlbauer, M., Honig, J., **Pscheidt, J.** and Molnar, T.J. 2017. Cluster analysis of *Anisogramma anomala* isolates collected from the Pacific Northwest and New Jersey. Phytopathology S5:125.

Lutes, L. and **Pscheidt, J. W.** 2017. Historical survey of cherry viruses in Oregon*.* Phytopathology S5:52 (Poster at annual meeting)

Harteveld, D., Grant, M., **Pscheidt, J. W.** and Peever, T. L. 2017. Predicting ascospore release of *Monilinia vaccinii-corymbosi* causing mummy berry of blueberry in the Pacific Northwest using machine learning. Phytopathology S5:33.

**Pscheidt, J. W.,** Jones, L. A. and Florence, J. 2017. Pseudosclerotial survival of *Monilinia vaccinii-corymbosi* (mummy berry disease) in western Oregon.Phytopathology S5:191.

**Pscheidt, J. W.** and Bassinette, J. P. 2017. Early Occurrence of Grape Powdery Mildew in Western Oregon*.* OWRI Grape Day. (Poster presentation.)

Lutes, L. and **Pscheidt, J. W.** 2016. Historical survey of cherry viruses in Oregon*.* Phytopathology S4:201

Florence, J. and **Pscheidt, J. W.** 2015. Red light stimulates apothecial development of *Monilinia vaccinii-corymbosi.* Phytopathology S4:44

Jones, L. A. and **Pscheidt, J. W.** 2015. Findings on the life cycle and biology of *Botrytis* *cinerea* causing cane botrytis on red raspberries in the Pacific Northwest*.* Phytopathology S4:66

Florence, J. and **Pscheidt, J. W.** 2014. Proposed terminology for pseudosclerotial stages of *Monilinia vaccinii-corymbosi.* Phytopathology S3:135.

Hadziabdic, D., K. A. Nix, L. M. Vito, P. R. Merten, M. T. Windham, P. L. Lambdin, J. F. Grant, G. J. Wiggins, **J. W. Pscheidt**, P. A. Wadl, W. Cranshaw, and R. N. Trigiano. 2014. East Meets West, the Story of *Geosmithia morbida* in the United States. Phytopathology S3:48.

**Pscheidt, J. W.,** Heckert, S. and Cluskey, S.2013.Jefferson hazelnut meets EFB in western Oregon. Phytopathology 103:S3.15

**Pscheidt, J. W.** 2011.Disease progress of thousand cankers disease in Oregon. Phytopathology 101:S146

Heckert, S., **Pscheidt, J. W.**, Stone, J. K., and Cluskey, S. A. 2011. Ascospore viability and dispersal from pruned branches infected with *Anisogramma anomala.* Phytopathology 101:S71

Stockwell, V., Shaffer, B.T., Henkels, M.D., **Pscheidt, J.W.**, and Loper, J.E. 2011. Factors influencing efficacy of plastic shelters for control of bacterial blight of lilac. Phytopathology. 101(6S):172.

Stockwell, V.O., Shaffer, B.T., Henkels, M.D., **Pscheidt, J.W**. and Loper, J.E. 2010. Management of bacterial blight of lilac caused by *Pseudomonas syringae* by growing plants under plastic shelters. International Symposium on Microbiology of Aerial Plant Surfaces Program Book.p.80.

**Electronic Publications** **(Peer Reviewed)**: (See also Appendix B)

Prior to promotion to associate professor: 2

**Pscheidt, J. W.**, Weiland, J. E. and Santamaria, L. 2020. Scouting for Boxwood Blight. Corvallis, OR: Oregon State University. Video available at <https://www.youtube.com/watch?v=L-Yd8qCbb0A>

Danler, S. and **Pscheidt, J. W.** 2019. Plant Pathology. Online Master Gardener Program. Available at <https://360.articulate.com/review/content/3fa30a92-672c-419b-b6dd-0f05147ea7f0/review>

Dowling, M. and **Pscheidt, J. W.** 2019. Animated life cycle of eastern filbert blight. Available at <http://oregonstate.edu/dept/botany/epp/EFB/lifecycle/animated.htm>.

Lutes, L. A. and **Pscheidt, J. W.** 2018. What’s to Blame. A Lesson in Plant Disease Diagnosis. Plant Health Instructor. APS. <https://www.apsnet.org/edcenter/disimpactmngmnt/casestudies/whatstoblame/Pages/default.aspx>

**Pscheidt, J. W.,** Ocamb, C., Alexander, J., Mayjor, B, Hill-Tanquist, T. and Rose, I. 2012. The Pacific Northwest Plant Disease Control Handbook. This site contains the **entire** Pacific Northwest Plant Disease Management Handbook and part of the OSU Extension Plant Pathology slide collection. This site replaces the older “Online Guide to Plant Disease Control.” Finally, an OSU sponsor of this PNW publication. Currently available at <http://pnwhandbooks.org/plantdisease/>.

**Pscheidt, J.W.** 2008. Plant Disease module in Langellotto, G. 2008. The Online Master Gardener Course. Oregon State University Extension and Oregon State University Extended Campus.

Parke, J., **Pscheidt, J.W**., Regan, R., Hedberg, J. and Grunwald, N. 2008. *Phytophthora* Online Course: Training for Nursery Growers. Oregon State University Extended Campus. Currently available at (<http://oregonstate.edu/instruct/dce/phytophthora/>) Revised each year since 2008.

**Pscheidt, J. W.** Ocamb, C. and Capitano, B. 2003. An online guide to Plant Disease Control. Oregon State University. (Essentially public interface but data base was changed into an XML format and moved to operate on the IPPC web server.) Currently available at http://plant-disease.ippc.orst.edu/index.cfm.

**Pscheidt, J. W.** Ocamb, C. and Peterson, E. 2002. An online guide to Plant Disease Control. Oregon State University. (A World Wide Web site that turned the old collection of html files into a DbaseV database accessed using Allaire’s Cold Fusion Application Server in 1998, then revised in 1999, 2000, 2001 and 2002).

**Pscheidt, J. W.** 2004. The Eastern Filbert Blight Homepage. Oregon State University. (A World Wide Web site revised annually since 1998. Currently at http://www.orst.edu/dept/botany/epp/EFB/index.htm)

**Pscheidt, J. W.,** Mahaffee, W. and Marlow, J. D. 1998. Symptoms of Grape Downy Mildew, A Gallery of Slides. Oregon State University and USDA-ARS. (A World Wide Web site established in 1998 currently under international review. Currently at http://www.orst.edu/dept/botany/epp/downymildew/index.htm)

**Pscheidt, J. W.** and Peterson, E. 1997. An online guide for 1997 Plant Disease Control. Oregon State University. (A World Wide Web site established in 1996 and revised in 1997. Not currently available.

**Fact Sheets (Peer Reviewed)**:

Prior to promotion to associate professor: 6

Prior to 2010: 16

**Pscheidt, J.W.,** Stoven, H., Thompson, A., Edmunds, B., Wiman, N. and Hilton, R. March 2020. Managing diseases and insects in home orchards. Oregon State University Extension Service. EC 631. (also Revised March 2007, Sept 2010, April 2015.)

Morrell, J., Cappellazzi, J., and **Pscheidt, J.W.** 2020. The Care and Maintenance of Wood Shingle and Shake Roofs. PNW 733.

Warneke, B., **Pscheidt, J.W.,** Rosetta, R., Nackley, L. 2019. Sensor sprayer for specialty crop production. PNW 727.

Bouska, C. and **Pscheidt, J.W.** 2016. Beware of Boxwood Blight. EM 9141.

Florence, J. and **Pscheidt, J.W.** 2015. Mummy Berry Management in the Pacific Northwest. EM 9117.

Bouska, C. and **Pscheidt, J.W.** 2015. Beware of Boxwood Blight. Friends of Shore Acres.

Olsen, J., **Pscheidt, J.W.,** Walton V.November 2013. Growing Hazelnuts in the Pacific Northwest: Integrated Pest Management. EM 9081

**Pscheidt, J.W.** May 2013. Scouting for Grape Powdery Mildew. EM 9067.

Spotts, R. A., Olsen, J., Long, L. and **Pscheidt, J.W.** May 2010. Bacterial Canker of Sweet Cherry in Oregon. EC 9007-E

**Fungicide and Nematicide Test Results (Peer Reviewed)** (See also Appendix C):

Prior to promotion to professor: 42

Prior to 2010: 23

**Biological and Cultural Tests (Peer Reviewed)**: (See also Appendix C):

Prior to 2010: 6

**Plant Disease Management Reports (Peer Reviewed)**

Prior to 2010: 10

**Pscheidt, J.W**. and J.P. Bassinette. 2020. Comparison of fungicides for management of grape powdery mildew on Riesling, 2019. PDMR 14:PF077.

**Pscheidt, J.W**. and J.P. Bassinette. 2020. Comparison of fungicides for management of cherry diseases, 2019. PDMR 14:PF076.

**Pscheidt, J.W**. and J.P. Bassinette. 2020. Evaluation of fungicides for management of mummy berry, 2019. PDMR 14:PF075.

**Pscheidt, J.W**. and J.P. Bassinette. 2020. Evaluation of fungicides for management of apple diseases on Braeburn, 2019. PDMR 14:PF074.

**Pscheidt, J.W**. and J.P. Bassinette. 2019. Evaluation of Orkestra for management of apple scab on crabapple, 2018. PDMR 13:OT005.

**Pscheidt, J.W**. and J.P. Bassinette. 2019. Evaluation of fungicides for management of mummy berry, 2018. PDMR 13:PF012.

**Pscheidt, J.W**. and J.P. Bassinette. 2019. Comparison of fungicides for management of cherry diseases, 2018. PDMR 13: PF011.

**Pscheidt, J.W**. and J.P. Bassinette. 2018. Evaluation of fungicides for management of apple scab and powdery mildew on ‘Rome’ apples, 2017. PDMR 12:PF031.

**Pscheidt, J.W**. and J.P. Bassinette. 2018. Comparison of fungicides for management of grape powdery mildew on Pinot Noir, 2017. PDMR 12:PF051.

**Pscheidt, J.W**. and J.P. Bassinette. 2018. Fungicide management of blueberry ripe rot, 2017. PDMR 12:PF052.

**Pscheidt, J.W**. and J.P. Bassinette. 2018. Evaluation of fungicides and biologicals for management of mummy berry, 2017. PDMR 12:PF053.

**Pscheidt, J.W**. and J.P. Bassinette. 2018. Comparison of fungicides for management of rust on serviceberry, 2017. PDMR 12:PF054.

**Pscheidt, J.W**. and J.P. Bassinette. 2017. Evaluation of fungicides for management of apple diseases on Braeburn, 2016. PDMR 11:PF015.

**Pscheidt, J.W**. and J.P. Bassinette. 2017. Evaluation of various fungicides for management of mummy berry, 2016. PDMR 11:SMF003.

**Pscheidt, J.W**. and J.P. Bassinette. 2017. Efficacy of fungicides for management of grape powdery mildew on Pinot Noir, 2016. PDMR 11:SMF005.

**Pscheidt, J.W**. and J.P. Bassinette. 2017. Efficacy of fungicides for management of grape powdery mildew on Riesling, 2016. PDMR 11:SMF004.

**Pscheidt, J.W**. and J.P. Bassinette. 2017. Comparison of fungicides for management of cherry diseases, 2016. PDMR 11:STF011.

**Pscheidt, J.W**. and J.P. Bassinette. 2017. Comparison of fungicides for management of peach diseases, 2016. PDMR 11:STF012.

**Pscheidt, J.W**. and J.P. Bassinette. 2017. Comparison of fungicides for management of peach brown rot, 2016. PDMR 11:STF013.

**Pscheidt, J.W**. and J.P. Bassinette. 2016. Evaluation of fungicides for management of apple diseases on Braeburn, 2015. PDMR 10:PF009.

**Pscheidt, J.W**. and J.P. Bassinette. 2016. Evaluation of fungicides for management of pear scab and Pacific Coast pear rust, 2015. PDMR 10:PF010.

**Pscheidt, J.W**., J.P. Bassinette and S. Heckert. 2016. Evaluation of fungicides for management of mummy berry, 2015. PDMR 10:SMF026.

**Pscheidt, J.W**., J.P. Bassinette and L. A. Jones. 2016. Fungicide management of blueberry fruit rots, 2015. PDMR 10:SMF027.

**Pscheidt, J.W**. and J.P. Bassinette. 2016. Efficacy of fungicides for management of grape powdery mildew on Pinot Noir, 2015. PDMR 10:SMF028.

**Pscheidt, J.W**. and J.P. Bassinette. 2016. Efficacy of fungicides for management of grape powdery mildew on Riesling, 2015. PDMR 10:SMF029.

**Pscheidt, J.W**. and J.P. Bassinette. 2016. Efficacy of fungicides for management of grape bunch rot, 2015. PDMR 10:SMF030.

**Pscheidt, J.W**., J.P. Bassinette and L. A. Jones. 2016. Comparison of fungicides for management of cherry diseases, 2015. PDMR 10:STF009.

**Pscheidt, J.W**. and J.P. Bassinette. 2015. Evaluation of fungicides for management of apple diseases on Braeburn, 2014. PDMR 9:PF005.

**Pscheidt, J.W**. and J.P. Bassinette. 2015. Evaluation of fungicides for management of mummy berry, 2014. PDMR 9:SMF016.

**Pscheidt, J.W**. and J.P. Bassinette. 2015. Efficacy of fungicides for control of grape powdery mildew on Pinot Noir, 2014. PDMR 9:SMF017.

**Pscheidt, J.W**. and J.P. Bassinette. 2015. Comparison of a fungicides for management of cherry diseases, 2014. PDMR 9:STF002.

**Pscheidt, J.W**. and J.P. Bassinette. 2014. Comparison of a bio-control and a chemical fungicide for management of cherry brown rot, 2013. PDMR 8:STF002.

**Pscheidt, J.W**. and J.P. Bassinette. 2014. Evaluation of fungicides for management of apple scab and powdery mildew on Rome apples, 2013. PDMR 8:PF012.

**Pscheidt, J.W**., J.P. Bassinette and J. Florence. 2014. Evaluation of various products for management of mummy berry, 2013. PDMR 8:SMF003.

**Pscheidt, J.W**. and J.P. Bassinette. 2014. Efficacy of fungicides for management of grape powdery mildew, 2013. PDMR 8:SMF004.

**Pscheidt, J.W**. and J.P. Bassinette. 2013. Bactericides for management of bacterial blight of lilac, 2012. PDMR 7:OT011.

**Pscheidt, J.W**. and J.P. Bassinette. 2013. Efficacy of fungicides for management of grape powdery mildew, 2012. PDMR 7:SMF032.

**Pscheidt, J.W**. and J.P. Bassinette. 2013. Fungicide management of blueberry fruit rots, 2012. PDMR 7:SMF031.

**Pscheidt, J.W**. and J.P. Bassinette. 2013. Evaluation of materials for management of mummy berry, 2012. PDMR 7:SMF030.

**Pscheidt, J.W**. and J.P. Bassinette. 2012. Bactericides for management of bacterial blight of lilac, 2011. PDMR 6:OT019.

**Pscheidt, J.W**. and J.P. Bassinette. 2012. Alternation of combination fungicides for management of apple diseases on Braeburn, 2011. PDMR 6:PF009.

**Pscheidt, J.W**. and J.P. Bassinette. 2012. Evaluation of materials for management of mummy berry, 2011. PDMR 6:SMF001.

**Pscheidt, J.W**. and J.P. Bassinette. 2012. Efficacy of fungicides for control of grape powdery mildew, 2011. PDMR 6:SMF002.

**Pscheidt, J.W**. and J.P. Bassinette. 2011. Evaluation of fungicides for control of apple scab and powdery mildew on Rome apples, 2010. PDMR 5:PF013.

**Pscheidt, J.W**. and J.P. Bassinette. 2011. Management of *Botrytis* fruit rot and mummy berry, 2010. PDMR 5:SMF001.

**Pscheidt, J.W**. and J.P. Bassinette. 2011. Efficacy of fungicides for control of grape powdery mildew, 2010. PDMR 5:SMF002.

**Pscheidt, J.W**. and J.P. Bassinette. 2011. Comparison of fungicides for control of Pacific Coast Pear Rust, 2010. PDMR 5: SMF003.

**Pscheidt, J.W**. and J.P. Bassinette. 2011. Comparison of fungicides for control of cherry powdery mildew and leaf spot, 2010. PDMR 5:STF014.

**Pscheidt, J.W**. and J.P. Bassinette. 2010. Comparison of fungicides for control of apple scab and powdery mildew on Rome apples, 2009. PDMR 4:PF005.

**Pscheidt, J.W**. and J.P. Bassinette. 2010. Comparison of fungicides for control of cherry powdery mildew and leaf spot, 2009. PDMR 4:STF004.

**Area Pest Management Guides (Clientele Reviewed)**: - a collaborative effort where authors generally are listed in alphabetical order. I am responsible for writing and editing all of the disease information. As a team we try to integrate much of the information together as growers would do during the season.

1. Thompson, A., Hilton, R., KC, A., Moretti, M., **Pscheidt, J.W.**, and Wiman, N. 2020. Pest management guide for tree fruits: Hood River, The Dalles, White Salmon, Rogue Valley. Oregon State Extension Service. EM 8203. (Revised each year since 1989).

1. Wiman, N., **Pscheidt, J.W.,** and Moretti, M. 2020. Pest management guide for Apples: Willamette Valley. Oregon State Extension Service. EM 8418. (Revised each year since 1990, except 2019).
2. Wiman, N., **Pscheidt, J.W.,** and Peachy, E. 2019. Pear pest management guide for the Willamette Valley. Oregon State Extension Service. EM 8420. (Revised each year since 1990, except 2018).
3. Wiman, N., **Pscheidt, J.W.,** and Moretti, M. 2020. Pest management guide for cherries: Willamette Valley. Oregon State Extension Service. EM 8329. (Revised each year since 1989).
4. Wiman, N., **Pscheidt, J.W.,** and Moretti, M. 2020. Pest management guide for peaches. Oregon State Extension Service. EM 8419. (Revised each year since 2008 except 2016.).

6. Wiman, N., **Pscheidt, J.W.,** and Moretti, M. 2020. Hazelnut pest management guide for the Willamette Valley. Oregon State Extension Service. EM 8328. (Revised each year since 1989, “app” created in 2020).

7. Skinkis, P., **Pscheidt, J.W.,** Moretti, M., Walton, V., KC, A. and Kaiser, C. 2020. Pest management guide for wine grapes in Oregon. Oregon State Extension Service. EM 8413. (Revised each year since 1990, except 1995, 2006 and 2007).

8. DeFrancesco, J., **Pscheidt, J.W.,** and Yang, W. 2018. Blueberry pest management guide for the Willamette Valley. Oregon State Extension Service. EM 8538. (Revised each year since 1992 except 2006, 2007, 2009 and 2019).

9. Wiman, N., **Pscheidt, J.W.,** and Moretti, M. 2020. Pest management guide for Walnuts: Willamette Valley. Oregon State Extension Service. EM 8421. (Revised each year from 1990 to 2017, then again in 2020).

Pscheidt, J.W., Wiman, N., and Moretti, M. 2018. Prune and plum pest management guide for the Willamette Valley. Oregon State Extension Service. EM 8362. (Revised each year from 1989 to 2015 and 2017 to 2018).

Olsen, J.L., and **Pscheidt, J.W.** 2007. Peach pest management guide for the Willamette Valley. Oregon State Extension Service. EM 8419. (Revised each year from 1990-2007).

**Newsletters and Newsletter Articles**:

**Newsletters**

Prior to promotion to associate professor: 10

Eastern Filbert Blight Update Newsletter – A newsletter series used to inform growers about recent research results. The new WWW site is intended to replace the function of this newsletter. I was the editor and one of several contributors.

EFBNews.007 - March 1995 - 6 pages

EFBNews.006 - April 1994 - 2 pages

EFBNews.005 - February 1993 - 6 pages

**Newsletter articles**

**P**rior to promotion to associate professor: 19

Prior to 2010: 8

**Pscheidt, J. W.** and Jones, L. 2020 (Apr). Avoid mixing biologicals with antimicrobials. Vine to Wine Newsletter. OWRI.

**Pscheidt, J. W.,** Warneke, B. W., Rosetta, R. and Nackley, L. 2019 (Nov). The Intelligent Sprayer System – second year evaluation of a sprayer retrofit for management of grape powdery mildew. Vine to Wine Newsletter. OWRI.

**Pscheidt, J.W.** and Chanda, A. K. 2019. From Concern to Value - The Division Forum. Phytopathology News 53:125.

**Pscheidt, J.W.** 2018. APS Division Health. Phytopathology News 52:96.

**Pscheidt, J. W.** andSkinkis, P. 2017 (Sep). Bunch Rots in the PNW. Vine to Wine Newsletter. OWRI.

Martin, R., **Pscheidt, J. W.,** Kaiser, C., Hilton, R., Skinkis, P., KC, A., Levin, A. and Walton, V. 2017 (Jan). Strategies to manage Red Blotch virus spread in vineyards. Vine to Wine Newsletter. OWRI.

**Pscheidt, J.W.** 2016. Do we need to sterilize pruners? OWRI Extension Bulletin.

**Pscheidt, J.W.** Spring 2016. Will Climate Change Powdery Mildew? OWRI Viticulture and Enology Technical Newsletter

**Pscheidt, J. W.** 2016 (Jan). The Sky is falling! (Well, Maybe Not). Vine to Wine Newsletter. OWRI.

**Pscheidt, J.W.** and French-Monar, R. D. 2015. Increasing Abstract Quality at APS Meetings through Peer Review. Phytopathology News 49:110-111.

**Pscheidt, J.W.** Fall 2014. Time to Look for Crown Gall. OWRI Viticulture and Enology Technical Newsletter

**Pscheidt, J.W.** Spring 2013. Scouting for Powdery Mildew: A merit badge in plant disease for grape growers. OWRI Viticulture and Enology Technical Newsletter (Newsletter by Patty Skinkis)

**Pscheidt, J.W.** Sep 2011. Preventing late season Botrytis bunch rot. Vineyard Notes (Newsletter by Patty Skinkis)

**Pscheidt, J.W.** Sep 2011. Powdery Mildew Rescue: Send your grapes to a spa! Vineyard Notes (Newsletter by Patty Skinkis)

**Pscheidt, J.W.** Mar 2011. The annual canker soapbox. Viticulture and Enology Technical Newsletter (Newsletter by Patty Skinkis)

**Pscheidt, J.W.** Jan 2011. APS Pacific Division Newsletter.

Shaw, D., Oester, P. and **Pscheidt, J.W.** Sep 2010. Forest Health Matters: Thousand Cankers Disease of Walnut. Master Woodland Manager Website.

Skinkis, P. and **Pscheidt, J.W.** Sep 2010. Late Season Botrytis Control. Vineyard Notes (Newsletter by Patty Skinkis)

**Pscheidt, J.W.** Sep 2010. Fungal Sex Could Resist Your Advances: Fungicide Resistance Management Can be Complicated – Don’t be Tricked. Vineyard Notes (Newsletter by Patty Skinkis)

**Pscheidt, J.W.** and Long L. spring 2010. Do we need to worry about Brown Rot Blossom Blight? OSU Extension Service. (Newsletter electronically distributed by Lynn Long, Wasco Co. Agent.)

**Pscheidt, J.W.** March 2010. Avoiding Canker Problems in the Vineyard - Pesticide Update. Vineyard Notes (Newsletter by Patty Skinkis)

**Pscheidt, J.W.** Feb 2010. Avoiding Canker Problems in the Vineyard. OSU Wine and Grape Research and Extension Newsletter. OSU Extension Service. (Newsletter by Patty Skinkis)

OSU Plant Pathology Notes - From 1996 to 2002, I sent (103 notes) regular one-page plant pathology notes to many county agents, consultants and various information brokers.

**Social Media**

**Daily** Facebook posts to “PNW Plant Disease Management”, >6,111 “likes” and “followed” by 6,480 that have steadily increased each week for 11 years, total reach of 500 to 5,000 each week, roughly 50+ people that are constantly engaged with site. Statistics change weekly.

**Other Publications** (Generally Peer Reviewed):

Prior to promotion to associate professor: 2

Prior to 2010: 11

**Pscheidt, J. W.** and Shaw, D. C. 2021. Knowing your cedar pests: Grower awareness of problems can protect both grower and customer. Digger 65(1):41-44. Part of the OSU Growing Knowledge Series.

**Pscheidt, J. W.** 2020. Hazelnuts, Humans and Hidden Hoards. Orchard Tasks for Hazelnuts. Pacific Nut Producer 26(10):23-26.

Weiland, J. E. and **Pscheidt, J. W.** 2020. Scouting for boxwood blight. Digger 64(3):25-28. Part of the OSU Growing Knowledge Series.

**Pscheidt, J. W.** 2020. The EFB Pruning Count Down Ends at Bud Break. Orchard Tasks for Hazelnuts. Pacific Nut Producer 26(2):15-19.

**Pscheidt, J. W.** 2019. When September Weather is Bold, You Might Find October Mold. Orchard Tasks for Hazelnuts. Pacific Nut Producer 25(10):15-19.

Murray, K and Jepson, P. C. 2018. An Integrated Pest Management Strategic Plan for Sweet Cherries in Oregon and Washington. Oregon State Extension Service. EM9219. Helped develop and edit the disease portions.

**Pscheidt, J. W.** 2017. Orchard Tasks for Hazelnuts (October issue). Pacific Nut Producer 23(10):16.

**Pscheidt, J. W.** 2017. Orchard Tasks for Hazelnuts (September issue). Pacific Nut Producer 23(9):12.

**Pscheidt, J. W.** 2017. Handier Handbooks. Digger 61(5):27-29. Part of the OSU Growing Knowledge Series.

**Pscheidt, J. W.** 2017. Orchard Tasks for Hazelnuts (March issue). Pacific Nut Producer 23(3):14-17.

**Pscheidt, J. W.** 2017. Orchard Tasks for Hazelnuts (February issue). Pacific Nut Producer 23(2):26-27.

**Pscheidt, J.W.** 2016. Eastern Filbert Blight – Video. <https://www.youtube.com/watch?v=WIfP7kgUajI&feature=youtu.be> (Not Peer Reviewed)

**Pscheidt, J. W.** 2014. Controlling Powdery Mildew. Digger 58(7):33-36. Part of the OSU Growing Knowledge Series.

Moyer, M.M. and O’Neal, S.D. 2014. Field Guide for Integrated Pest Management in Pacific Northwest Vineyards: Pocket Version. PNW 654. (**Contributed pictures**.)

**Pscheidt, J. W.** 2013. Timely Berry Disease Control. Western Fruit Grower Sept/Oct:40-41.

**Pscheidt, J. W.** 2013. Rules of (brown) thumb. Digger 57(1):33-37. Part of the OSU Growing Knowledge Series.

**Pscheidt, J. W.** 2012. The Downside of Combination Fungicides. Digger 56(4):42-44. Part of the OSU Growing Knowledge Series.

**Pscheidt, J. W.** 2010. Hidden in Plain Sight. Digger 54(4):41-44.

**PROFESSIONAL MEETINGS, TOURS AND INVITED TALKS**

**Professional Conferences**:

Prior to promotion to professor: 48

Prior to 2010: 29

8/10-14/20 Virtual Zoom APS Annual Meeting, Plant Health 2020.

1/15/20 Corvallis Oregon IPM Research and Extension Summit (flash talk and participant).

1/9/20 Portland Orchard Pest and Disease Management Conference – Hazelnut diseases and cherry survey info.

8/3-7/19 Cleveland, OH APS Annual Meeting, attended as Division Forum Councilor. Serving on APS Council and grad student Lutes had a poster presentation on her Cherry Virus work.

6/25-27/19 Fort Collins, CO APS Pacific Division meeting. I attended as Division Forum counselor.

3/28/19 Procer, WA Little cherry strategic roundtable (via Zoom).

3/20-22/19 Rehoboth Beach, DE APS Potomac Division meeting. I attended with the APS Division Forum as Division Forum Councilor.

1/10/19 Portland Orchard Pest and Disease Management Conference – ISS presentation.

12/14/18 Corvallis Oregon IPM Research and Extension Summit (participant).

8/5-9/18 Boston, MA ICPP – International Congress on Plant Pathology hosted by APS. Attended as Division Forum Councilor.

6/25-26/18 Portland, OR APS Pacific Division meeting. I attended as Division Forum counselor. Helped organize and lead a tour of farms in the Tualatin Valley area.

1/10-11/18 Portland Western Disease Conference – Several presentations on disease management trials from tree fruit, grape, blueberry and hazelnut. Also update of PNW handbook and website.

8/5-9/17 San Antonio, TX APS Annual Meeting, attended as Division Forum Councilor. Serving on APS Council and grad student Lutes had a poster presentation on her Cherry Virus Survey work.

7/17-19/17 Corvallis 8th International Workshop on Grapevine Downy and Powdery Mildew. Poster on “Occurrence of Grape Powdery and Downy Mildew in Western Oregon*.*

6/27-29/17 Riverside, CA APS Pacific Division meeting. I attended as Division Forum counselor. Awarded the Distinguished Service Award.

1/11-12/17 Portland Western Disease Conference – Several presentations on disease management trials from tree fruit, grape, blueberry and hazelnut. Also update of PNW handbook and website.

10/18-21/16 Ithaca, NY APS Northeastern Division meeting. I attended with the APS Division Forum.

7/30-3/16 Tampa, FL APS Annual Meeting, attended as past chair of the Division Forum. Presentation on 3D mummy berry printing.

3/23-25/16 Richmond, VA APS Potomac Division meeting. I attended with the APS Division Forum.

1/13-14/16 Portland Western Disease Conference – Several presentations on disease management trials from tree fruit, grape, blueberry and hazelnut. Also update of PNW handbook.

8/1-5/15 Pasadena, CA APS Pacific Division met with APS Annual Meeting. As Division Forum Representative I gave that report at the APS-PD business meeting. Chaired meeting of the Division Forum and had a student give an oral presentation.

2/1-2/15 Atlanta, GA APS Southern Division meeting. I attended a Division Forum meeting and the SAAS (Southern Association of Agricultural Scientists)

1/14-15/15 Portland Western Disease Conference – Several presentations on disease management trials from tree fruit, grape, blueberry and hazelnut. Also Google Analytics of handbook web site.

8/9-13/14 Minneapolis, MN Attended national APS meeting as Division Forum Representative of APS Pacific Division.

7/8-11/14 Bozeman, MT APS Pacific Division meeting. I attended as Division Forum representative.

6/11-13/14 Madison WI APS North Central Division meeting. I attended a Division Forum meeting.

1/8-9/14 Portland Western Disease Conference – Several presentations on disease management trials from tree fruit, grape, blueberry and hazelnut. Also clicker talk (TurningPoint) on handbook.

8/10-14/13 Austin, TX Attended national APS meeting as Division Forum Representative of APS Pacific Division.

6/17-19/13 Tucson, AZ APS Pacific Division met with APS Caribbean Division. As Division Forum Representative I gave that report at the business meeting. I was also invited to give a symposium talk on “Jefferson hazelnut meets EFB in Western Oregon”.

3/26-28/13 Corvallis Soilborne Plant Pathogens Conference.

1/9-10/13 Portland Western Disease Conference – Several presentations on disease management trials from lilac, oak, tree fruit, grape, blueberry and hazelnut.

9/24-28/12 Hendersonville, NC 18th Ornamental Workshop on Diseases and Pests.

Kanuga

10/13-14/11 Leavenworth, WA 59th Annual Western International Forest Disease Work Conference. Invited to talk about EFB.

8/6-10/11 Honolulu, HI Attended international APS meeting as president of APS Pacific Division. Also gave an oral presentation and had a graduate student do the same.

1/12-13/11 Portland Western Disease Conference – organized meeting along with Robin Ludy and Luisa Santamaria and had several presentations on disease management trials.

6/20-23/10 Vancouver, BC APS Pacific Division met with Canadian Phytopathological Society. As president elect I helped with program development, fund raising, a few local arrangements, business meeting, awards ceremony, abstract management, etc… I became president at the end of the meeting.

1/14/10 Portland Western Orchard Pest and Disease Management Conference – presentation on tree fruit management trials.

1/13/10 Portland Western Ornamentals and Turf Disease Conference – Organized entire program - Presentations on PNW Handbook Update and Thousand Canker Disease.

**Invited Tours and Talks - International Audiences**:

Date Place Event Topic

1/29/20 Abbotsford, BC BC Nursery Growers IPM Bacterial Canker

Workshop

9/24/19 Corvallis, OR Borlaug Institute for International Hazelnut Diseases

Agriculture Hosted tour of Bulgarian growers

2/2/06 Abbotsford, BC BC Hazelnut Grower’s Eastern Filbert Blight

Association

1/26/06 Kelowna, BC Powdery Mildew – Life Cycle

Interior Environmental Pest and Management

Management Association

Annul Workshop and Conference

Aug 1999 Deidesheim, Germany BASF Sovran Cooperators Meeting. Invited as one of 13 fruit pathologists from the USA for a tour of BASF’s agricultural center at Limburgerhof and field plots in the area. Presented information on trials conducted in Corvallis, OR. Field plots were also observed in the Reims and Dijon, France areas.

July 1996 London, G.B. Zeneca’s Grape Tour Invited as one of 8 grape pathologists from the USA for a tour of Zeneca's Jealott's Hill Research Station (London, G. B.), University of Milan's Plant Pathology Institute (Italy) and field plots in the Rome, Italy area.

**Invited Tours and Talks - National and Regional Audiences**:

Prior to promotion to professor: 20

Prior to 2010: 16

Date Place Event Topic

10/16/20 Zoom Little Cherry Disease Task Force Nursery production

6/12/19 Salem, OR Driscoll Blueberry Plant Health Mummy berry, Pseudomonas, Shock

3/14/19 Napa, CA Napa Valley Grape Growers Copper: Penny for your thoughts

1/30/19 Edmond, WA Master Gardener - Advanced Introduction to Fungi

Plant Pathology

4/16/18 Corvallis Master Gardener Webinar Powdery Mildew: Biology and

Management in the Garden

2/23/18 Salem IPM Strategic Plan for Working Group meeting

Hazelnuts in OR and WA

2/2/18 The Dalles Mid-Columbia Cherry Day Cherry virus survey

Year 2 update

1/31/18 The Dalles IPM Strategic Plan for Sweet Working Group meeting

Cherries in OR and WA

2/2/17 The Dalles Mid-Columbia Cherry Day Cherry virus survey

Presented w grad student Lutes

2/11/15 Mt. Vernon, WA NCAP Blueberry Workshop Evaluation of Commercial Products for Mummy Berry Management. (Student and Postdoc also gave presentations)

9/19/14 Mt. Vernon, WA Fall Orcharding Workshop Apple Diseases

8/27/14 West Lafayette, Purdue Seminar Series Nutty Canker Diseases

IN First of the year

8/23/14 Portland OAN Farwest Show and Diseases Here, There,

Seminars Everywhere and Nowhere.

(4.8 rating on 5 scale)

5/17/12 Webinar Fruit and Nut Diseases Research Results with LUNA

2/9-10/12 Davis, CA Marrone Bio Innovations Regalia Trial Results for Oregon

University Partnership Program

11/22/11 Nampa, ID Idaho State Hort Society Powdery Mildew in Fruit Crops

3/31/11 West Lafayette Thousand Cankers Disease Western Oregon Experiences

IN Workshop with TCD

11/2-3/10 San Francisco Bayer Luna Information Luna on Fruit Results

Exchange Symposium

**Invited Tours and Talks – In-State Audiences**:

Prior to promotion to professor: 71

Prior to 2010: 62

Date Place Event Topic

10/19/20 Virtual Zoom Benton Co Master Gardeners Very Vicious (Plant) Viruses

9/2/20 Virtual Zoom WV Vit Tech Group Product Efficacy

4/13/20 Virtual Zoom WV Vit Tech Group Minimal disease programs

2/11/20 Portland Oregon Wine Symposium Powdery Mildew Management

2/5/20 The Dalles Cherry Day X-Disease overview

1/31/20 Salem OVS Berry/Nut Day Copper products.

6/5/19 Lebanon Nutrien Hazelnut meeting EFB and ISS.

4/3/19 Corvallis Grape Day ISS

2/27/19 The Dalles Cherry Day X-Disease eXplained

2/15/19 West Salem Nutrien Hazelnut meeting EFB control.

2/13/19 Hood River OSU Winter Hort Meeting ISS (via Zoom)

1/28/19 Medford Pesticide Recertification Course ISS

1/24/19 Hood River GS Long Grower Meeting Vanquish Very Vicious Viruses

(4.65 out of 5 point rating)

11/1/18 Roseburg Fall Orchard/Vineyard Pest EFB and ISS

Management

10/23/18 Corvallis OSU150 – The Promise and Booth for Smart Sprayer

Peril of AI and Robotics

5/14/18 McMinnville WV Vit Tech Group Spray technique and the ISS

5/9/18 Rickreall CPS Grape Day Fungicide Resistance

4/24/18 Medford Vit Tech Meeting Powdery Mildew Management

4/3/18 Corvallis OSU Grape Day Poster on Early bloom timing

for powdery mildew sprays

2/21/18 Portland Oregon Wine Symposium Powdery Mildew Management

2/17/18 Salem Willamette Valley Tree Fruit Pome and Stone Fruit Disease

Growers Annual Meeting Update.

1/23/18 Corvallis Non Crop Vegetation Pest Management of Landscape

Management Course Plants.

3/28/17 Corvallis OWRI Webinar (grapes) Fungicide Resistance

3/21/17 Newburg Newburg High School Plant Disease

Ornamental Greenhouse Class

2/7/17 Salem Wilbur-Ellis Annual Berry Effective Botrytis management

Growers Meeting in berry crops.

1/19/17 Canby NWREC Hort Society Managing mummy berry in

Berry Crops Section blueberry production.

12/16/16 Woodburn Oregon Raspberry and Black Botrytis species affecting berries

Berry Annual Grower Meeting in Oregon.

12/8/16 Salem Pratum Coop Grower Meeting Blueberry diseases and EFB in

Jefferson hazelnuts.

11/3/16 Roseburg Fall Orchard/Vineyard Pest Effective Hazelnut management

Management Program

3/10/16 West Salem WV Vit Tech Group Fungicide Resistance.

2/9/16 Newburg OVS Grape Day Pesticide resistance in Oregon.

2/6/16 West Salem Willamette Valley Tree Fruit Bacterial Diseases on Tree Fruit.

Growers Association.

2/2/16 Corvallis OWRI Seminar Fungal Sex Could Resist

Your Advances.

2/2/16 Eugene Pesticide Applicator’s Plant Disease Management (4.3)

Short Course

1/26/16 Portland OAN Seminar Series The dark side of Combination

At the NW Ag Show Fungicides.

1/19/16 Corvallis Non Crop Vegetation Disease Issues on Landscape

Management Course Woody Perennials (3.8).

9/26/15 Portland “In The Garden” Radio Show Box Blight.

With Mike Darcy

6/16/15 Corvallis OSU Arboriculture Short Diagnosing problems in

Course landscape trees and shrubs.

5/9/15 Portland “In The Garden” Radio Show Impatiens Downy Mildew.

With Mike Darcy

4/21/15 Myrtle Point Area Gardeners Box Blight

2/7/15 West Salem Willamette Valley Tree Fruit Anthracnose and Scab on Apples

Growers Annual Meeting

2/4/15 Salem Wilbur Ellis Willamette Valley Managing EFB in Hazelnut

Grower Meeting Orchards for Max Production

(Blueberry diseases also)

1/27/15 Portland Oregon Blueberry Conference New Tactics for Mummy Berry

Management

1/13/15 Corvallis Nutgrower’s Society Annual Managing EFB in Mature

Meeting Orchards (also moderated a

grower panel)

12/10/14 Salem Pratum Co-op Grower Meeting Hazelnut and Blueberry Diseases

12/9/14 Roseburg Umpqua Valley Growers IPM Tree Fruit Diseases

Meeting

12/4/14 Portland Portland Parks and Recreation - Pesticide Recertification Meeting; Urban Tree Diseases.

6/3/14 Roseburg Umpqua Valley Grape Day Crown Gall

Seminars

2/5/14 Oregon City Urban Pest Management Bacterial Diseases of

Course Landscape Plants.

1/29/14 Portland Nutgrower’s Society Annual Status of EFB in Jeffersons

Meeting

1/22/14 Corvallis Non Crop Vegetation Bacterial Diseases of

Management Course Landscape Plants.

11/6/13 NWREC Shade Tree Growers Meeting Oak Anthracnose

10/31/13 Roseburg Umpqua Valley Growers IPM Hazelnut, Grape and Apple

Meeting Diseases

10/29/13 Woodburn Wilbur Ellis Fieldmen Meeting Blueberry Diseases.

2/22/13 Harrisburg Wilco Hazelnut Growers EFB and Mold research

Alliance

2/6/13 Milton-Freewater Blue Mt. Hort Society Combination Fungicides

1/30/13 Portland OAN Seminar Series The latest on Box Blight

At the NW Ag Show

1/29/13 Portland Oregon Horticulture Biology and Management of

Society – Orchard Section Powdery Mildew

1/14/13 Medford Southern OR Recert. New fungicides on the market.

Workshop

11/15/12 Silverton Pratum Coop Annual Meeting EFB.

10/16/12 Corvallis PSI tour (County Forestry) Thousand Cankers Disease

6/7/12 Roseburg Umpqua Valley Grape Day Combination Fungicides

Seminars

5/25/12 Tillamook Gardening for Oregon Youth Plant Diseases.

Authority

2/24/12 Wilsonville OAN Information Meeting Cultural and Chemical Control

Of Boxwood Blight.

2/24/12 Harrisburg Wilco Hazelnut Growers Disease Management in

Meeting Hazelnut Orchards

2/18/12 West Salem Willamette Valley Tree Fruit Newer Fungicides for Growers

Growers Annual Meeting to Use.

2/15/12 West Salem CPS-Grower Hazelnut Disease Management in

School Hazelnut Orchards

2/8/12 Oregon City Urban Pest Management What Done it? Differentiating

Course Biotic and Abiotic Conditions

2/3/12 Wilsonville OAN Information Meeting Chemical control of boxwood

Blight.

1/25/12 Corvallis Non Crop Vegetation What Done it? Differentiating

Management Course Biotic and Abiotic Conditions.

1/24/12 Portland Oregon Horticulture Life Without Pristine

Society – Blueberry Section

1/24/12 Portland Oregon Horticulture What’s New in Fungicides -

Society – Orchard Section Managing the Use of Combos

11/2/11 Roseburg Fall Orchard/Vineyard Pest Combination Fungicides

Management Session

7/30/11 Portland “In The Garden” Radio Show Plant pathology Garden Myths.

With Mike Darcy

3/16/11 Salem LIVE lecture series Grape canker disease.

2/24/11 Corvallis OSU Vit and Enology Research Tactics for Improved Bunch

Colloquium Rot and Powdery Mildew

Management.

2/8/11 Woodburn Wilbur-Ellis Hazelnut EFB Update.

Meeting

1/26/11 Portland Oregon Horticulture 100% EFB Immune? Let’s Talk!

Society – Nutgrowers

1/25/11 Portland Oregon Horticulture Blueberry Fruit Rot and Control

Society – Blueberry Section

1/25/11 Portland Oregon Horticulture Managing Bacterial Canker

Society – Stone Fruit Section

11/18/10 Portland Portland Parks and Recreation - Pesticide Recertification Meeting; Urban Tree Diseases.

3/11/10 Corvallis OSU Vit and Enology Research Evaluation of New Disease

Colloquium Control Materials for Oregon

Vineyards.

2/25/10 Harrisburg Wilco Hazelnut Growers Getting the upper hand

Meeting on EFB

2/10/10 Oregon City Urban Pest Management Black Walnut: Death by 1000

Course Cankers

**GRANT AND CONTRACT SUPPORT** (Principal Investigator):

**Pscheidt, J.W.** Control of hazelnut diseases. Oregon Hazelnut Commission. 1 year duration each.

2020 $80,081

2019 $77,119

2018 $76,063

2017 $67,808

2016 $36,747

2015 $34,931

2014 $30,565

2013 $36,104

2012 $38,849

2011 $37,404

2010 $36,007

2009 $32,925

2008 $33,721

2007 $31,676

2006 $38,350 2005 $24,690

2004 $24,042

2003 $18,322

2002 $15,861

2001 $ 9,372

2000 $22,743

1999 $40,624

1998 $40,582

1997 $15,912

1996 $19,255

1995 $20,755

1994 $19,000

Chemical Industry Support for Fruit and Ornamental Disease Management Testing Program. Multiple sources each year that may include any of the following companies: Arysta, BASF Corp., Bayer Corp., Brandt Monterey Co, Certis, Cheminova, Dow AgroSciences, DuPont, Gowan, Isagro USA, Marrone Bio Innovations, Syngenta Corp., Valent USA Corp.

2020 - $56,000(est)

2019 - $106,240

2018 - $147,500

2017 - $140,500

2016 - $136,500

2015 - $100,000

2014 - $92,000

2013 - $91,500

2012 - $121,500

2011 - $116, 500

2010 - $82, 000

2009 - $79, 250

2008 - $113,000

2007 - $104,500

2006 - $110,500

2005 - $82,000

2004 - $57,000

2003 - $52,000

2002 - $41,950

2001 - $94,680

2000 - $82,800

1999 - $63,400

1998 - $58,800

1997 - $63,500

1996 - $57,050

1995 - $72,600

1994 - $30,000

1993 - $27,250

**Pscheidt, J.W.** 2018-2019. Mid-Columbia survey for sweet cheery viruses and vectors. Oregon Sweet Cherry Commission. $101,306 for 2 year duration.

**Pscheidt, J.W.** 2017. Evaluate the use of Stimplex as a mixing partner with Actinovate for improved mummy berry management. Oregon Blueberry Commission. $4,500 for 1 year duration.

**Pscheidt, J.W.** 2016-2017. Cherry virus diagnostic survey. Oregon Sweet Cherry Commission. $43,065 for 2 year duration.

**Pscheidt, J.W.** 2016. 3D Mummy Berry Printing. Oregon SARE Mini-Grant Program. $1,500 for 1 year duration.

**Pscheidt, J.W.** 2016. 3D Mummy Berry Printing. Oregon Blueberry Commission. $400 for 1 year duration.

**Pscheidt, J.W.** 2014. Ornamental Fungicide Efficacy and Crop Safety. IR-4 Western Region Ornamental Program. $20,000 for 1 year duration.

**Pscheidt, J.W.** 2013. Fruit Rot Management for Small Fruit Crops in the PNW. USDA cooperative agreement. $215,296 for 2-3 year duration.

**Pscheidt, J.W.** 2013. Ornamental Fungicide Efficacy and Crop Safety. IR-4 Western Region Ornamental Program. $10,000 for 1 year duration.

**Pscheidt, J.W.** 2013. Evaluating Fungicides for Mummy berry Management. Oregon Blueberry Commission. $4,500 for 1 year duration.

**Pscheidt, J.W.** 2012. Evaluating Fungicides for Mummy berry Management. Oregon Blueberry Commission. $4,500 for 1 year duration.

**Pscheidt, J.W.** 2012. Integration of Regalia into Mummy berry Management Programs. IR-4/EPA Biopesticide Demonstration Grant. $12,197 for 1 year duration.

**Pscheidt, J.W.** 2012. Ornamental Fungicide Efficacy and Crop Safety. IR-4 Western Region Ornamental Program. $12,500 for 1 year duration.

**Pscheidt, J.W.** 2011. Ornamental Fungicide Efficacy and Crop Safety. IR-4 Western Region Ornamental Program. $10,000 for 1 year duration.

**Pscheidt, J.W.** 2010. Management of Oak Anthracnose. J Frank Schmidt Family Charitable Foundation. $5,000 for 1 year duration.

**Pscheidt, J.W.** 2010. Ornamental Fungicide Efficacy and Crop Safety. IR-4 Western Region Ornamental Program. $20,500 for 1 year duration.

**Pscheidt, J.W.** 2008. Investigation of Black Walnut Decline. J Frank Schmidt Family Charitable Foundation. $2,000 for 1 year duration.

**Pscheidt, J.W.** 2006. Integration of Serenade into Mummy berry Management Programs. IR-4/EPA Biopesticide Demonstration Grant. $8,437.34 for 1 year duration.

**Pscheidt, J.W.** 2006. Efficacy of Phyton-27 for control of *Verticillium* wilt. ODA Nursery Research Committee. $10,500 for 2 year duration.

**Pscheidt, J.W.** 2006. Efficacy of fungicides for control of Amelanchier Rust. ODA Nursery Research Committee. $5,000 for 1 year duration.

**Pscheidt, J.W.** 2005. Evaluation of Organic Materials for Management of Powdery Mildew. Oregon Wine Board. $6,500 for 1 year duration.

**Pscheidt, J.W.** and J. Bassinette. 2005. Evaluation of Fungicides for Control of Mummyberry and Ripe Rot. Oregon Blueberry Commission. $3,000 for 1 year duration.

**Pscheidt, J.W.** 2004. Evaluation of Fungicides for Control of Mummy berry and Ripe Rot. Oregon Blueberry Commission. $2,000 for 1 year duration.

**Pscheidt, J.W.** 2004. IR-4 National Pesticide Clearance and Efficacy and Performance Trial for Fluazinam on blueberry, PR#06129, Trial ID Np.06129.04-ORP04. $3,000 for 1 year duration.

**Pscheidt, J.W.** 2002. Grape Downy Mildew from Boston Ivy. Viticulture Consortium. $11,000 for 1 year duration.

**Pscheidt, J.W.** 2001. Special Local Need (24C) for Exotherm Termil in Cold Storage Warehouses. ODA Nursery Advisory Board. $6,000 for 1 year duration.

**Pscheidt, J.W.** 2000. Control of eastern filbert blight. Sustainable Agriculture Research and Education Program. $81,477 over 3 years.

**Pscheidt, J.W.** 1999. Control of copper tolerant strains of *Pseudomonas syringae*. USDA-ARS-HCRL Northwest Nursery Crops Research Center. 1 year duration each.

2001 $12,000

2000 $10,285

1999 $10,285

**Pscheidt, J. W.** and Mahaffee, W. 1997. Evaluation of grape powdery mildew forecasting programs. Wine Advisory Board.

1996 1 year duration $4,860

1997 1 year duration $5,000

**Pscheidt, J. W.** and Reeser, P. W. 1997. Treatment of recirculated irrigation water with chlorine for reducing populations of *Phytophthora*. Oregon Association of Nurserymen. 1 year duration. $11,270

**Pscheidt, J. W.** 1996. Webing the PNW Plant Disease Control Handbook. OSU Instructional Media Committee. 1 year duration. $5,850.

**Pscheidt, J. W.** and Reeser, P. W. 1996. Causes of black root rot on strawberry in Oregon. Oregon Strawberry Commission. 1 year duration. $14,000

**Pscheidt, J. W.** and Reeser, P. W. 1995. Evaluation of irrigation water recirculation systems for potential spread of root pathogens in containerized nursery operations. 1 year duration.

Horticultural Research Institute $ 9,000

The J. Frank Schmidt Family Charitable Trust $ 2,000

ODA Nursery Research and Regulatory Committee $24,500

**Pscheidt, J. W.** and DeAngelis, J.D. 1995. Integrated pest and disease control on roses for homeowners. IPPC - IPM Mini-grant Program. 1 year duration. $3,000.

**Pscheidt, J. W.** and Wittig, H.P.P. 1995. Efficacy of organic foliar amendments for disease control in tree fruit and grapes. 1 year duration. Organic Farming Research Foundation. $3,600.

**Pscheidt, J. W.** and Wittig, H.P.P. 1994. Efficacy of organic foliar amendments for control of tree fruit diseases and effects on fruit quality and insect pressure. 1 year duration.

ON-FARM Research Grant Program. $2,000.

IPPC - IPM Mini-grant Program. $2,500.

**Pscheidt, J.W.** 1994. Management of copper resistance in *Pseudomonas syringae*. Oregon Association of Nurserymen and CAAR. $18,487 Spring 94 to Spring 95.

**Pscheidt, J.W.** Sensitivity of *Phytophthora* (red stele) isolates to Ridomil. 1 year duration each.

1995 - PNW Small Fruits Research Center. $5,875

1995 - USDA-ARS cooperative agreement. $8,000

1994 - Oregon Strawberry Commission. $3,000.

**Pscheidt, J.W.** 1994. Non-chemical alternatives for the control of grape powdery mildew. OSU Research Council. $5,797

**Pscheidt, J.W.** 1993. Detection of Ridomil in greenhouse and field treated strawberry plants. Oregon Strawberry Commission. $10,000. 1 year duration.

**GRANT AND CONTRACT SUPPORT** (co-investigator)

Since promotion to professor: 2

Prior to 2010: 4

Rosetta, R., **Pscheidt, J. W.** and Nackley, L. 2018. Advancement of Intelligent Spray Application Technology in Oregon Specialty Crop Production. USDA-ARS. 1 year duration but expected annually for 3 years. $274,520.

**Pscheidt, J.W.**, Weiland, J. and Scagel, C. 2017. Improving plant health for nursery production in the Pacific Northwest. USDA-ARS-HCRU. 1 year duration. $59,116.

Jones, L. and **Pscheidt, J.W.** 2015. Botrytis Species Affecting Raspberries and Blackberries in Oregon. Oregon Raspberry and Blackberry Commission. 1 year duration. $1,500.

Jones, L. and **Pscheidt, J.W.** 2015. Evaluation of a fall soil application of Actinovate to control mummy berry and determination of tank mix compatibility of Actinovate with other organic materials. Oregon Blueberry Commission. 1 year duration. $6,634.

**Pscheidt, J.W.** and Florence, J. 2013. Implementing prevention and avoidance for mummy berry disease in blueberry. Cooperative Agreement with NW Center for Alternatives to pesticides. 2 year duration. $29,312

Rosetta, R., **Pscheidt, J.W.** and Santamaria, L. 2013. Establishing a Nursery Cleanliness Program for Boxwood Blight. ODA subcontract for development of outreach/education workshops for nursery industry members. 1 year duration. $15,000

**SERVICE**

**UNIVERSITY SERVICE**:

**College Committees**:

2018 – Ornamental Plant Crop Advisory Committee for Ryan Contreras.

2015 and 2016 – Chair of Search Committee for SOREC Plant Pathologist.

2015 – Search Committee for NWREC Hort Position (Nik Wiman).

2015 – Review Team for Mid-Columbia Ag Research and Ext Center Field Operations and Financial Stability Review.

Faculty Senate – 2015-2018

2014 – Search Committee for Assistant Dean for Outreach and Engagement.

2009 – CAS Award Committee – both the ARF FRA award and the F.E. Price/ARF award for Excellence in Research.

2006 – Post Tenure Review Committee of an Extension Horticulture faculty member.

2003 – Post Tenure Review Committee of a Horticulture faculty member.

The James and Mildred Oldfield /E.R. Jackman Team Award Committee, 2002 and 2005.

North Central Regional Committee 193 – Maintaining Plant Health: Managing Insect Pests and Diseases of Landscape Plants. 1997 – 1999.

North Central Regional Committee 43 - Diseases of Landscape Plants, 1990-1996, Secretary 1991, Chairperson and host 1992

NW Nursery Crop Research Center Advisory Council - 1995

IPPC Technical Advisory Committee - 1993

**Extension Committees**:

Search for Excellence Judge 2013.

Bilingual Extension Nursery Advisory Committee 2012

Bilingual Extension Nursery Position Search Committee 2008-09

Blueberry Agent Search Committee 2000

Hood River Agent Search Committee 1994

Computer Committee 1991-1993

**Departmental Committees**

Promotion and Tenure Executive Committee 2019 - 2021

Promotion and Tenure Executive Committee 2007 – 2010 (Chair 08-09)

Promotion and Tenure Executive Committee 2000 - 2003

Extension Plant Pathologist Search Committee. Chair 1996

Farm Advisory Committee Chair 1988-1996 & 2001 - **present**, member 1998 – 2001.

**SERVICE TO THE PROFESSION**

**Professional Society Membership and Activity**:

American Phytopathological Society

APS Financial Advisory Committee 2017-2019

APS Council as Divisional Counselor 2016-2019

Immediate Past Chair - Ex-officio of Division Forum – 2015-2016

Pacific Division – 2012-2015 Divisional Forum Representative (Chair of forum 2014 to 2015)

Senior Editor for Plant Health Progress – 2011 – 2013.

Pacific Division – 2009-10 president elect, 2010-11 president, 2011-12 past president.

Senior Editor for Plant Disease – 2004 - 2006.

Associate Editor for Plant Disease 2001 – 2003.

Extension Committee, 1991-1994

Committee on Illustrations of Plant Pathogens and Diseases, 1990-1993

Oregon State University Extension Association 1996 – 2003, 2011-2019.

Pacific Northwest Fungi Editorial Board - 2007 - 2013

**USDA –ARS-HCRL Service**

Plant Pathologist Search Committee. 2007

*Phytophthora* Position Search Committee 2004

#### Service to the Public (professionally related)

Oregon Department of Agriculture Service:

1. Development of section 18 packages for industry.

- Section 18 for use of Kasumin for control of Bacterial Canker of Cherry 2009.

- Section 18 for use of Orbit on Filberts for control of EFB, 2003, 2004, 2005 & 2006.

- Section 18 for use of Procure on Filberts for control of EFB, 2002.

- Section 18 for use of Elite 45 DF on Filberts for control of EFB, 2000 & 2001.

- Section 18 for use of Orbit on Raspberries for control of Yellow Rust – 1998-2000

- Section 18 for use of Indar on Blueberries for control of Mummyberry – 1998-2002

- Section 18 for use of Rally on Blackberries for control of Orange Rust - 1998

- Section 18 for use of Bravo 720 on Filberts for control of EFB,1990 through 1996

- Section 18 for use of Mycoshield on Apples for control of Fireblight, 1994 through 2004

2. Review of 24C requests

Prior to promotion to professor: 13

- Rubigan on non-bearing hazelnuts for control of EFB, April 2000

- Orbit on non-bearing hazelnuts for control of EFB, April 2000

Reviews

Prior to promotion to associate professor: 1

Prior to 2010: 4

Miscellaneous Professional Service

2020 – Review of 2 promotion packages; one for Mississippi State faculty member going up for promotion and another promotional package for Ohio State University faculty member going up for promotion and tenure.

2019 – Review of 2 promotion packages for University of California – Davis faculty members going to higher Professorial ranks and another promotional package for Ohio State University faculty member going up for promotion and tenure.

2018 – Review of promotion package for University of California – Riverside faculty member going to higher Professorial ranks.

2016 – Review of promotion package for University of Kentucky faculty member going from Assistant Professor to Associate Professor.

2015 – Review of promotion package for Utah State University faculty member going from Assistant Professor to Associate Professor.

2014 – Review of promotion package for University of Wisconsin faculty member going from Assistant Professor to Associate Professor.

2014 – Review of turf programs for OSU Horticulture department.

2013 – Review of promotion package for Rutgers faculty member going from Associate Professor to Professor I.

2012 and 2013 – Review of promotion package for UC-Davis faculty member advancing to the upper level of the Professor series.

2012 – Advisor - The New Sunset Western Garden Book

2011 – Review of promotion package for Cornell faculty member going from Assistant Professor to Associate Professor.

2010 – 2012 – Advisory Board member for the Hybrid Hazelnut Consortium.

2011 – Review of an Idaho Ag Experiment Station Project Proposal for faculty member at the request of the Head of the Dept. of Plant, Soil, and Entomological Sciences.

2010 – Review of promotion package for Ohio State University faculty member going from Assistant Professor to Associate Professor.

2005 – Review of promotion package for Washington State University faculty member going from Associate Professor to Full Professor.

2000 – Review of promotion package for Ohio State University faculty member going from Associate Professor to Full Professor.

1997 – Evaluation of a new leaf wetness and temperature logger from Spectrum Technologies (Mike Thurow, president). Found a major problem with the temperature programming. Probably saved the company a lot of money and embarrassment.

1996 – Review of promotion package for Cornell University faculty member going from Associate Professor to Full Professor.

1996 - Plant Pathology advisor for a Small Business Innovation Research Grant entitled, "Early Plant Stress Detection Filters/Glasses". Robert Brock, president of Optical Sales Corp., was principle investigator.

#### Service to the Public (non-professionally related)

Boy Scouts of America – Benton District – Oregon Trial Council

2020 - Present – Benton/Yaquina District Training Chair

2018 – Wood Badge Staff – WE-697-18, Advisor

2017 - 2020 – Oregon Trail Council Training Chair

2016 – Wood Badge Staff – WE-697-16, Advisor

2013-2015 – Wood Badge Staff – WE-697-14 (4.5 CEUs), Course Director

2012 – Wood Badge Staff – WE-697-12 (4.5 CEUs), SPL

2014 – 2017 – Benton District Membership Chair.

2011 – 2017 – Benton District Unit Commissioner.

2010 – Wood Badge Staff – WE1-697-10, Troop Guide

2006 – 2011 – Benton District Cub Roundtable Commissioner.

2008 – Wood Badge Staff – WE1-697-08, Troop Guide

2003 – 2006 – Committee Member Troop 163.

2002 – 2004 – Cub Master for Cub Scout Pack 170.

2000 – 2002 – Cub Master for Cub Scout Pack 17.

1999 and 1997 – Tiger Cub Coach for Cub Scout Pack 17.

Boy Scouts of America –Pacific Harbors Council

2015 – Wood Badge Staff – WE-612-15, Guest Speaker – Game Show

2013 – Wood Badge Staff – WE1-612-13, Troop Guide

Boy Scouts of America –Crater Lake Council

2013 – Wood Badge Staff – WE1-491-13, ASM Program

**Note**: Sometimes our professional lives interact with our personal lives. There is a nationwide campaign to prevent the introduction of invasive species (such as plant pathogens) into new areas by not moving firewood. I have produced a video and spoken to many scout leaders throughout the PNW who in turn will have an impact on our next generation of campers about not moving firewood. Several colleagues around the USA have used the video.

**AWARDS**

Distinguished Service Award – 2017 – APS Pacific Division.

Silver Beaver Award – 2013 – BSA – for distinguished service to youth.

Winning photograph - Category 1. A plant disease/symptoms of a plant disease - 2010 Joint Annual Meeting of the CPS with the Pacific Division of APS, Vancouver BC, 20-23 June 2010

The Oldfield / Jackman Team Award, for participation in Natural History Discovery Days (Museum Days) Team, College of Agricultural Sciences, Oregon State University, 2003.

OSU Extended Education Faculty Achievement Award, 1999.

OSUEA Search for Excellence Award, for collaboration and support in educational programming, 1998.

James and Mildred Oldfield/E.R. Jackman Team Award, for participation in EFB team research and extension, College of Agricultural Sciences, Oregon State University, 1994.

**APPENDIX A: The Pacific Northwest Plant Disease Management Handbook**

Scope- The Pacific Northwest Plant Disease Control Handbook is intended as a reference for the more important plant diseases in the Pacific Northwest (Oregon, Idaho, Washington and southern B.C.). The book is extension plant pathology’s primary method of delivering disease control information to our clientele in the PNW. The clientele, which includes university faculty (both state and county personnel), consultants, field scouts, ODA inspectors, field and nursery people, Master Gardeners and chemical industry representatives, consider this publication their primary source of plant disease information. It has been updated annually for over 50 years due to new biological information and constantly changing chemical control regulations. I am responsible for coordinating the annual efforts of 44 contributors and reviewers (1998 statistics) from throughout the region along with another colleague. It was my sole responsibility for the 1996 and 1997 books.

Responsiveness – Clientele are constantly asked about the handbook’s usefulness in content and design throughout the year through 1 on 1 consultations and annual letters. Analysis of how and who uses the electronic version also offers additional feedback for changes in content. Since I began in 1988 the needs have included: more specific information on ornamental crops, general fungicide information, general disease articles, identification of chemicals easily available to home owners, biocontrol information, nematode damage thresholds, electronic access, color pictures of symptoms, cultivar susceptibility tables, inclusion of British Columbia within the regional scope of the book, recognized credit for contributors and reviewers, etc.

Many of these needs have been incorporated over the last 21 years as documented by year below. Major overhauls occurred with the 1989 and 1996 books under my editorship. Much of this information I have written, coordinated or encouraged. Each year I enlist the help of many pathologists in the region to help write, edit and review the material. However, in the end I must edit the information and have it incorporated into logical areas of the book weather it entails large new sections or thousands of minor editorial corrections in content. Together with a copy editor, we also make sure there is consistency in style so the book has a uniform look no matter what section is being read.

Although this book has a single title, this activity, at a different institution with a different extension publication system, could represent the authoring of 703 separate fact sheets.

Innovation – Many people have wanted changes in the book that are more easily addressed using computer technology. Full text searching, color pictures and print-on-demand fact sheets were features highly desired by many users including myself. During 1995, as sole editor, I changed the entire A to Z sections into a single consistent style. In doing this, the jump to what is now know as a “World Wide Web site” was much easier. A grant was received in 1996 to create the “online Guide to Plant Disease Control”. This was a 2300 page WWW site that contained the 1,200 A to Z sections of the 1996 book along with 400 color pictures. With 40,000 hits the first year it was well received with very positive reviews. It was updated in 1997 with the addition of a fact sheet print function. This function turned every section into a print on demand fact sheet available in any office in the region. The quality of the 1998 book benefited from a “feedback” analysis of site. Pages most frequently hit were given more review emphasis. Reviewers from other regions could easily find and edit the information they needed to review. Some popular pages were written in a more popular style based on the kind of users hitting that page.

The “H in the box” – Master Gardener (MG) trainers were becoming worried about how the MG’s were delivering chemical based information. There was no clear distinction between commercial products and products easily available to homeowners. Some of my colleagues were worried about the implications of addressing these concerns without writing another book just for homeowners. I settled on an easily recognizable “flag” or “code”, a capital H enclosed in a box, that would alert the MG’s that a home product was available using the same active ingredient. Scanning the text of the handbook, while on the phone to clients, the MG’s were able to quickly and easily pick out the appropriate chemical control tactics. This was initiated in 1993 on just ornamental crops, evaluated the next year, deemed a big success and expanded upon each year since. All crops are now included and more explanatory information has been incorporated in to the text. The Master Gardeners have liked the change and ease of use. A similar program with an “O” in the box to indicate organic materials was initiated in 2002 and expanded in 2003.

A major development I campaigned for in the last 4 years has been the inclusion of pesticide recommendation reviews by the Washington State Pest Management Resources Service. This has been very beneficial throughout the book but, unfortunately, transparent to our clientele.

Impact – Our clientele say that this is the best of the three pest control handbooks for ease of use and organizational style. The Insect book has followed suit with a major overhaul during 2002 and 2003 over to a similar style as our disease book. Plant pathology colleagues have begun to consider the plant disease book a useful publication being surprised by its up to date content. Sales of the book continue to increase with it being used in all of the Western States outside the PNW and several others. Other regions of the USA have remarked that they wish they could have such a document in their region. Michigan has used the fungicide portions in their education programs and the Minnesota “Dial U” program also uses the handbook.

Note that the year below indicates the version of the book and not the year the activity took place. For example, the 40% of FTE described in 1996 occurred during most of 1995 and Jan and Feb of 1996. The Book is generally ready for mailing in March of the year stated.

2021 A total of 27 new sections, another 65 sections rewritten and 20 new fungicides were added (and 8 removed) where needed throughout the book. New sections on “Plant Viruses” and “Copper based bactericides and fungicides” as well as a new table on tomato varieties with resistance to Fusarium were added. There were major updates to “Plants Resistant or Susceptible to Armillaria Root Rot” and the cultivar susceptibility table for Cherries along with minor updates to Air Pollution (Ozone), and Fungicides for the Home Garden. Co-edited with Dr. Cindy Ocamb we managed input from 8 contributors and 27 reviewers.

2020 A total of 28 new sections, another 98 sections rewritten and 20 new fungicides were added (and 7 removed) where needed throughout the book. A new section on “Fasciation” was added as well as a new table on “Cultivar susceptibility for Grapes. Co-edited with Dr. Cindy Ocamb we managed input from 3 contributors and 29 reviewers.

2019 A total of 43 new sections (and 2 removed), another 71 sections rewritten and 34 new fungicides were added (and 11 removed) where needed throughout the book. A new section on “Use of Disinfestants to Control Plant Pathogens” was added. Many fungal names were also updated. Co-edited with Dr. Cindy Ocamb we managed input from 3 contributors and 35 reviewers.

2018 A total of 30 new sections, another 44 sections rewritten and 30 new fungicides were added (and 1 removed) where needed throughout the book. A new section on air pollution (ozone) was added as well as a new squash varieties tolerant of powdery mildew table. Many fungal names were also updated. Co-edited with Dr. Cindy Ocamb we managed input from 7 contributors and 29 reviewers.

2017 A total of 27 new sections, another 91 sections rewritten and 21 new fungicides were added (and 3 removed) where needed throughout the book. Complete rewrite (again) of the “Care and Maintenance of Wood Shingle and Shake Roofs”. Rewrite of vegetable seed treatments (hot water treatment added). Many fungal names were also updated. Co-edited with Dr. Cindy Ocamb we managed input from 7 contributors and 31 reviewers.

2016 A total of 29 new sections, another 102 sections rewritten and 12 new fungicides were added where needed throughout the book. A new section was added, “Living in the Land of Mosses”. Many fungal names were also updated. Co-edited with Dr. Cindy Ocamb we managed input from 7 contributors and 33 reviewers.

2015 A total of 47 new sections, another 79 sections rewritten and 18 new fungicides were added where needed throughout the book. A few new sections were also added including, “Recognizing Sapsucker Damage to Your Trees” and “Nasty Nostoc”. The section on “Care and Maintenance of Wood Shingle and Shake Roofs” was also thoroughly reviewed and updated. Co-edited with Dr. Cindy Ocamb we managed input from 9 contributors and 32 reviewers.

2014 A total of 25 new sections, another 65 sections rewritten and 17 new fungicides were added where needed throughout the book. A new section was also added entitle, “Verticillium Wilt”. Co-edited with Dr. Cindy Ocamb we managed input from 8 contributors and 26 reviewers.

2013 A total of 30 new sections, another 45 sections rewritten and 12 new fungicides were added where needed throughout the book. A new section was also added entitle, “Fluorine Toxicity in Plants”. Co-edited with Dr. Cindy Ocamb we managed input from 5 contributors and 24 reviewers.

2012 A total of 27 new sections, another 52 sections rewritten and 11 new fungicides were added where needed throughout the book. Two new sections were also added entitle, “Risk Mitigation Measures for Soil Fumigant Pesticides” and “Treating Irrigation Water to Eliminate Water Molds”. Co-edited with Dr. Cindy Ocamb we managed input from 10 contributors and 26 reviewers.

2011 A total of 16 new sections, another 52 sections rewritten and 17 new fungicides were added where needed throughout the book. Co-edited with Dr. Cindy Ocamb we managed input from 6 contributors and 27 reviewers.

2010 A total of 18 new sections, another 24 sections rewritten and 22 new fungicides were added where needed throughout the book. Co-edited with Dr. Cindy Ocamb we managed input from 5 contributors and 26 reviewers.

2009 A total of 34 new sections and another 29 sections rewritten and 30 new fungicides were added where needed throughout the book. New section on Cyanotoxins and Fungicidal Activity and Nutritional Value of Phosphorus Acid were also included. Co-edited with Dr. Cindy Ocamb. In total there were 5 contributors and 21 reviewers.

2008 A total of 11 (22) new sections and another 28 sections rewritten. Six new fungicides were added where needed throughout the book. Oregon’s Most Unwanted: Invasive Species, Diagnosis and Control of Phytophthora Diseases, Fungicides for Disease Control in the Home Landscape, and Tree Wound Paints sections were updated and rewritten. New section on National Organic Program Materials was also included. Co-edited with Dr. Cindy Ocamb. In total there were 8 contributors and 23 reviewers.

2007 A total of 10 (13) new sections and another 28 sections rewritten. Thirteen new fungicides were added where needed throughout the book. The seed treatment table for cereals was rewritten by Dr. Ocamb. New names for the powdery mildews were incorporated throughout the book. A new section on Damping-off in Tree Nurseries was also added. Co-edited with Dr. Cindy Ocamb. In total there were 5 contributors and 24 reviewers.

2006 A total of 10 (18) new sections and another 8 (13) sections rewritten. Twelve new fungicides were added where needed throughout the book. Co-edited with Dr. Cindy Ocamb. In total there were 7 contributors and 22 reviewers.

2005 A total of 16 new sections and another 6 sections rewritten. Twelve new fungicides were added where needed throughout the book. Two new articles edited this year were entitled, “Powdery Mildew” and “Nutritional Diagnosis”. Co-edited with Dr. Cindy Ocamb. In total there were 6 contributors and 26 reviewers.

2004 Our 50th anniversary edition with special thanks to 7 editors, 255 contributors and reviewers, 5 production and 12 clerical assistants. For this edition, a total of 18 new sections and another 16 sections were rewritten. One new article finished this year was entitled, “Invasive Species of Oregon”. Co-edited with Dr. Cindy Ocamb. In total there were 10 contributors and 26 reviewers.

2003 A total of 56 new sections and another 14 sections rewritten. There were also 2 sections removed. One new extensive article finished this year was entitled, “Parasitic Plants of Oregon”. The “O in the box” was expanded to flag materials that are considered organic based on national standards. Co-edited with Dr. Cindy Ocamb. In total there were 11 contributors and 25 reviewers.

2002 A total of 43 new sections and another 41 sections rewritten. There were also 2 sections removed. New articles included one on mycorrhiza, horticultural spray oils and another on nutrient deficiency keys. After many requests we also added an “O in the box” to flag materials that are considered organic based on OMRI recommendations. Co-edited with Dr. Cindy Ocamb. In total there were 9 contributors and 29 reviewers.

2001 A total of 27 new sections many of which were ornamentals. There were 31 sections rewritten. Co-edited with Dr. Cindy Ocamb. In total there were 10 contributors and 21 reviewers.

2000 Yet another set of 35 new sections many of which were ornamentals. Also included was a new section on fungicide resistance and fungicide families. There were 21 sections rewritten. A new title for the new century to reflect current ideas of management rather than control. It is now the PNW Plant Disease **Management** Handbook. Co-edited with Dr. Cindy Ocamb. In total there were 9 contributors and 26 reviewers.

1999 A total of 30 new sections were added including many new ornamental sections and an article on thatch in home lawns. Many of the new sections are diseases common to the PNW but just not added into the book yet. About 8 sections were rewritten. Co-edited with Dr. Cindy Ocamb. In total there were 13 contributors and 24 reviewers.

1998 A total of 26 new sections were added including major articles on Phytophthora diseases, crown gall, fungicide and pollen interactions and orchard fumigation. There were 31 sections rewritten. Back to editing half the crops in the book with the hiring of Dr. Cindy Ocamb to cover the other half. In total there were 11 contributors and 41 reviewers.

1997 A total of 29 new sections were added including new ginseng and meadowfoam sections and a biocontrol products table. There were 7 sections rewritten. Sole editor again this year. Most of the activity was spent reviewing the entire book and learning new word-processing software. In total there were 11 contributors and 41 reviewers.

1996 I spent 40% of my FTE on a major rewrite of this book (which is about 20% more than a normal year). This was the first year as sole senior editor, due to the retirement of Dr. Paul Koepsell. There were 86 completely new sections written, 1 new table, 232 sections were rewritten, 1 rewritten table, 3 tables incorporated into text and 34 sections were removed. This represents a 30-40% change in content and a 50% change to a single, consistent style. A new acknowledgement section also more clearly indicates the type of help we get from colleagues around the PNW. In total there were 20 contributors and 52 reviewers. Some activity was associated with our switch to electronic production of the handbook. In total there were 20 contributors and 52 reviewers.

1995 A total of 36 new sections were added including a history of the handbook, plants susceptible to *Sclerotinia* and a write-up of tree decline. There were 21 sections rewritten and 2 tables that had outlived their usefulness were removed.

1994 There were 21 new sections written and 1 new table on crabapple cultivar susceptibility. A total of 11 sections were substantially rewritten and 2 older sections were removed.

1993 A new cover design was developed and the addition of the "H in the box" to flag products commonly available to homeowners. There were 9 new sections added along with 3 new tables on *Armillaria* susceptibility, lilac cultivar susceptibility and virus groups. There were also 19 major rewrites and the replacement of 2 sections with regional extension publications.

1992 A total of 50 new sections (mostly ornamental and small fruits) were added, along with a new cultivar susceptibility table on juniper diseases. There were also 37 major rewrites of existing sections, including a major update on the Tomato Spotted Wilt host list. One section was deleted.

1991 There were 43 new additional sections, including a table on plants resistant or susceptible to Verticillium wilt, an asian pear disease susceptibility table, and a large article on Tomato Spotted Wilt. A total of 20 sections were substantially reworked, including the pesticide section and the index.

1990 There were 27 new additions, including an article on Disease diagnosis and Control, Diseases caused by *Pseudomonas syringae*, Fungicides for Disease Control in the Home Landscape and 6 cultivar susceptibility tables. There were 11 major rewrites including much needed updates on the glossary and the fungicide, bactericide and nematicide table. There were also numerous minor changes to most all sections.

1989 Major updates and book reorganization including format changes. There were 18 new sections added, including a new introduction and Table of Contents.

**APPENDIX B: ELECTRONIC PUBLICATIONS**

The Pacific Northwest Plant Disease Control Handbook. 2012. This site contains the entire Pacific Northwest Plant Disease Management Handbook and part of the OSU Extension Plant Pathology slide collection. This site replaces the older “Online Guide to Plant Disease Control.” Finally, OSU sponsor of this PNW publication. Currently available at <http://pnwhandbooks.org/plantdisease/>.

An online guide to Plant Disease Control. This site contains the alphabetical (A to Z) text sections of the 2003 Pacific Northwest Plant Disease Management Handbook and part of the OSU Extension Plant Pathology slide collection. A World Wide Web site that turned the old collection of html files into a database in 1998, then revised annually from 1999 to 2012. Currently available at http://plant-disease.ippc.orst.edu/index.cfm.

The Eastern Filbert Blight Homepage. This site is a collection of detailed information on the biology and management of eastern filbert blight. The primary audiences are consultants, extension agents, and newspaper reporters with growers as a secondary audience. A World Wide Web site revised annually since 1998. Currently at http://www.orst.edu/dept/botany/epp/EFB/index.htm

Symptoms of Grape Downy Mildew, A Gallery of Slides. At the third International Workshop on Grapevine Downy and Powdery Mildew, it was decided to create a site where people could view the variety of symptoms produced by *Plasmopara viticola*. This site is intended to be a collection of color pictures that show those symptoms. The World Wide Web site was established in 1998 and is currently under international review. Currently at http://www.orst.edu/dept/botany/epp/downymildew/index.htm

An online guide for 1997 Plant Disease Control. This site contained the alphabetical (A to Z) text sections of the 1997 Pacific Northwest Plant Disease Control Handbook and part of the OSU Extension Plant Pathology slide collection. A detailed review of the first site set up 1996 was written. The site contained over 1500 html pages. Each page can be printed on demand as a fact sheet at any county computer in the Oregon or the PNW. This World Wide Web site is not currently available.

Pest Hotline - Operational for limited hours from May 1989 to August 1990. 24 hour service from August 1990 to December 1991 (state wide) and again in spring 1993 in Yamhill County.

PDM - In 1992, 50-60,000 acres were using this program in the Midwest. $1 million cost savings are annually since 1986. Copies have been distributed throughout the Midwest, Eugene, New Jersey, England, Taiwan, Israel, Egypt, Canada, Hawaii, Australia.

**APPENDIX C: Notes About F & N Tests**

Each year these tests are compiled along with disease specific fact sheets (Clinic Close-ups), put in a small booklet, and sent to county agents, field persons, and regional specialists under the title "Fruit and Ornamental Disease Management Program 20XX". The booklet is also used as a handout when speaking to any of several commodity groups during the winter meeting season.

In 1996, a feedback form was included with the copies of the booklet sent out by mail. We had 17 forms returned. Most all of the people use both the research reports and clinic close-ups. The reports were found to be informative and were used primarily for their own education and grower recommendations. A few use the information for their own control programs or to design their own research. One person uses the clinic close-ups in the classroom. Comments included: “ I feel the booklet is an excellent resource for field recommendations for cultural and chemical control of plant diseases.”; “Thanks for your hard work.”; “Good timely info.”

<http://www.science.oregonstate.edu/bpp/Plant_Clinic/Fungicidebooklet/index.htm>

Fruit and Ornamental Disease Management Program Booklets

# Year # of Reports # of Clinic Close-Ups # of pages

2019 19 12 106

2018 20 14 120

2017 21 13 110

2016 17 12 102

2015 19 16 116

2014 17 14 107

2013 16 15 102

2012 21 15 114

2011 20 9 106

2010 19 15 110

2009 15 11 86

2008 20 10 84

2007 20 14 98

2006 18 11 85

2005 18 15 99

2004 18 16 93

2003 19 16 95

2002 22 15 89

2001 22 11 77

2000 22 13 73

1999 19 11 69

1998 24 14 75

1997 23 16 83

1996 25 15 77

1995 24 14 67

1994 20 13 57

1993 12 10 46

1992 19 7 49

1991 14 9 42

1990 13 9 39

1989 12 9 40