CURRICULA VITAE

Ann L. Hazelrigg, Extension Associate Professor

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Academic History:

Ph.D.	University of Vermont, Burlington, Vermont Plant and Soil Science Department	2015
M.S.	Cornell University, Ithaca, New York Department of Pomology and Plant Pathology	1981
B.S.	Colorado State University, Ft. Collins, Colorado Department of Horticulture, emphasis in Plant Pathology	1977

Employment History:

July 2020-present	Extension Associate Professor, UVM Extension. Primary responsibility is to serve as the extension specialist for plant pathology, Integrated Pest Management (IPM) and the Pesticide Safety and Education Program (PSEP). Included is oversight of the Plant Diagnostic Clinic and the UVM Master Gardener Program. Appointment is .8 FTE Extension and .2 FTE funded by VT Agricultural Experiment Station (VTAES).
June 2015-July 2020	Extension Assistant Professor, UVM Extension. Same duties and apt as above.
2004-June 2014	Extension Instructor, UVM Plant and Soil Science Department. Primary responsibility is as above. Appointment from 2004 to 2012 included .6 FTE funded by CALS/Extension and .4 FTE extramural funds. Appointment from 2012 to 2014 included .6 FTE funded by Extension, .2 FTE funded by VTAES and .2 FTE extramural funds.
2001-2003	Lecturer, Plant and Soil Science Department. UVM Plant and Soil Science Department. Primary responsibility is to serve as an extension resource for plant pathology, Integrated Pest Management (IPM) and the Pesticide Safety and Education Program (PSEP). Included is oversight of the Plant Diagnostic Clinic and the UVM Master Gardener Program. Appointment included .6 FTE funded by CALS/Extension and .4 FTE extramural funds.
1984-2000	Lab Technician IV, Plant and Soil Science Department. Primary responsibility is the Plant Diagnostic Clinic and plant pathology research. 1.0 FTE base funds.
1982-1983	Research Field Tech I, Plant and Soil Science Department. Primary responsibility is laboratory and field research in woody ornamentals and small fruits. 1.0 FTE base funds.

The primary focus of my position is to provide leadership in integrated pest management (IPM) and plant pathology and to develop and evaluate effective extension educational programs and curricula for several key extension programs including the Plant Diagnostic Clinic (PDC), the Extension Master Gardener Program, the Pesticide Safety and Education program (PSEP) and the Extension Integrated Pest Management Program (EIPM). The crops covered in my extension education programs include but are not limited to vegetables and small fruits, field and forages, Christmas trees, greenhouses, landscape trees and shrubs, nursery crops and turf. Audiences include vegetable and small fruit growers, field crop and forage farmers, landscapers, greenhouse operators, nursery and turf operations managers, agricultural service providers, researchers, public officials, pesticide applicators, agricultural professionals, Master Gardeners, students and the public. Formal teaching is generally in the form of presentations at workshops and meetings but can include webinars, factsheets, television, the press and online courses. All the samples, pictures and emails from growers sent to the Plant Diagnostic Clinic provide an opportunity to educate growers. I provide insect/disease/weed identification along with lifecycle information and current IPM recommendations for each unique issue. I am frequently requested as a speaker and subject matter specialist in the state and region.

Key Programs:

Plant Diagnostic Clinic (PDC)
https://www.uvm.edu/extension/pdc

A significant part of my teaching is the diagnosis and subsequent lifecycle information and IPM management recommendations for disease, insect and weed plant specimens. The PDC receives 600 physical plant samples, hundreds of phone calls and at least 500 photos/emails a year from commercial growers, extension specialists, researchers and the public. Growers rely on the PDC for timely and accurate insect, disease and weed identification and unbiased management recommendations. This state resource has become more critical with the surge in new invasive pests and diseases and the changing climate. As Director, I have been able to identify emerging pests and diseases and educate growers and the public through one-on-one discussions, websites, television programs, reports, workshops, newsletters, list serves and the press. With increased use of smart phones, commercial growers can take pictures in the field and the PDC is able to identify issues and provide information often within the hour. Clinic samples are an excellent way to educate growers on pest and disease lifecycles and IPM management. I provide guidance to the UVM Master Gardener Helpline volunteers housed in the Plant Diagnostic Clinic by providing expertise identifying gardening pests and diseases. I support a .75 FTE staff position in the Clinic through competitive grant funds.

Pesticide Safety and Education Program
https://www.uvm.edu/extension/psep

Vermont has 1,200 certified pesticide applicators who require on-going recertification to retain their licenses. The UVM PSEP designs and develops course curricula for pesticide education programs for Commercial applicators, private pesticide applicators, non-commercial applicators, industry personnel, extension personnel, researchers, growers, Master Gardeners and the public. We offer six-hour Initial Pesticide Certification courses at two locations in the state for those wanting to attain their Vermont license and have recently developed two online training courses enabling applicators to access the study materials for the pesticide exam through eXtension. We are currently developing additional online training for the Structural Pest Category manual. The PSEP develops the agenda/curricula with input from other extension staff and the VT Agency of Agriculture for the annual Commercial Pesticide Applicators meeting for field and forages. The program also works with other commodity groups (vegetable and berry growers, greenhouse operators, apples, grapes, nursery, landscape and Christmas trees) to provide educational curricula for annual pesticide recertification credits. Since 2001, the UVM PSEP and the VT Agency of Agriculture, Food and Markets coauthor a twice-yearly newsletter, *The Pesticide Applicator Report*, an educational resource for VT pesticide applicators. The UVM PSEP funds one .5 FTE staff position supported by competitive grant funds and income from workshops.

The UVM Master Gardener Program
https://www.uvm.edu/extension/mastergardener

Under my leadership and direction of the statewide EMG Program, we have trained over 3,358 Master Gardeners currently with ~381 active volunteers directing 100 ongoing vetted and approved projects for educational outreach. The Master Gardener Helpline, staffed by trained volunteers, answers over 1,000 calls/year from Vermont gardeners. Since 1991, 49,391 gardeners have called for horticulture and pest management advice. From 2007-2018 Extension Master Gardeners have contributed a total of 153,131 hours. In 2018, Master Gardeners contributed 12,157 volunteer hours across the state. Based on the 2019 Independent Sector rate for volunteer work at $25.43/hour this represents $309,152/year benefitting Vermont communities. I present the Plant Pathology and IPM lecture for the 14-week EMG course in addition to several advanced trainings on pests and diseases each season. The UVM MG Program has two 1.0 FTE and one part-time staff positions. Through competitive grants, I support over 75% of the EMG staff salaries, fringe and operating budget.

Extension Integrated Pest Management Program (IPM)
https://www.uvm.edu/extension/ipm

Since 2011, I have been the lead PI and Vermont Extension IPM Coordinator, overseeing several faculty and IPM programs in greenhouse and nursery crops, vegetables, small fruits, apples, grapes, field crops, pesticide education, pollinator health plus consumer IPM. I am responsible for evaluation of the programs and reporting impacts to NIFA USDA. Our programs have shown impacts increasing the use of IPM tools across a wide range of crops and settings while reducing the use of pesticides. By the end of the 2014-2017 grant, the IPM program had held 122 educational events with 6,393 participants in addition to answering 2,777 garden questions and diagnosing 1,065 plant samples. As PI for the previous two national peer-reviewed USDA NIFA IPM grants, UVM has received $1,400,084 (the 2017-2020 rated "outstanding"). These grants support critical salaries, fringe and operating for five faculty and several staff positions.

Workshops/Presentations:

I present ~20 talks/year on IPM, diseases and pests for a wide range of state and regional audiences, typically reaching up to 1,000 people/year, not including Across the Fence audiences. **(Bold is out of state, invited)**

2020

- UVM Master Gardener Plant Pathology Lecture webinar/interactive Q and A. 4.9.20 (125)
- **Ft. Ticonderoga Gardening Conference. Ft. Ticonderoga, NY. April 4, 2020-**rescheduled due to Covid
- UVM PBIO 117 Plant Pathology. Plant Disease lecture-4.19.20 narrated video and Zoom due to Covid
- NE Plant Diagnostic Network. Highlights of Vermont disease and pest issues. March 22, 2020 (20)
- UVM PSS 021 Intro to Agroecology. Plant Disease lecture 3.19.20 (60) narrated video due to Covid
- UVM PSS 127 Greenhouse Management. Plant Disease lecture. 2.14.20 (20)
- **NH Certified Crop Advisor Conference. Portsmouth NH. (60) 1.30.20** (35)
- VT Vegetable and Berry Annual Conference Fairlee, VT. 1.28.20 (200)
  http://www.uvm.edu/vtvegandberry/VVBGAMeeting2020Presentations.html

2019- ~1,000 attendees

- **NE Vegetable and Berry Conference. High Tunnel Tomato Diseases. Manchester, NH. 12.12.19 (150)**
  https://unh.app.box.com/s/3yal9hhv6wj8x8mixv2vsixv2c6mq7u3
- **NE Vegetable and Berry Conference. Diseases and Pest Roundtable. Manchester, NH. 12.11.19 (60)**

- Northeast Region Pesticide Education and Safety Meeting. Chelmsford, MA. Hazelrigg Chair. 12.4.19-12.5.19 (55)
- UVM PSS Seminar. Working in Nepal. 11.22.19 (10)
- UVM EMG State Conference. Diseases and Climate Change. Shelburne, VT. 11.2.19 (130)
- UVM PSS 021 Intro to Agroecology. Plant Disease lecture 9.26.19 (100)
- **NH Supervisory Pesticide Training. Diseases of Trees and Shrubs. Goffstown, NH. 9.19.19 (30)**
- UVM Master Gardener Training on vegetable diseases. Burlington, VT. 8.22.19 (20)
- Vegetable IPM Farm Workshop Series. Sunshine Valley Farm, Rochester, VT. 8.12.19 (30)
- UVM Farmer Training Program Disease Field workshop. Burlington, VT. 7.26.19 (45)
- Vegetable IPM Farm Workshop Series. Intervale Farm, Burlington, VT. 7.10.19 (45)
- Vegetable IPM Farm Workshop Series. Sam Mazza Farm, Colchester, VT. 6.10.19 (45)
- UVM Farmer Training Plant Pathology lecture. Burlington, VT. 6.5.19 (40)
- Initial pesticide Applicators Meeting. White River Junction, VT. 4.23.19 (30)
- Initial Pesticide Applicators Meeting. Burlington, VT. 4.22.19 (50)
- National Plant Diagnostic Network Meeting. Climate change effects on Vermont pests and diseases in 2018. Indianapolis, Ind. 4.15.19. (30)
- UVM Master Gardener Spring Training. Burlington, VT. 4.10.19 (25)
- **Eighth Annual Garden & Landscape Symposium. Pests and Problems in 2018 and What to Watch for in 2019. Ft Ticonderoga, NY. Pests 4.6.19 (100)**
- Commercial Pesticide Applicators Meeting. Middlebury, VT. 4.5.19 (60)
- **Ecological Landscape Alliance (ELA) Conference. What is wrong with my tree and when to call and arborist? Amherst, MA. 3.6.19 (100)**
- **Ecological Landscape Alliance (ELA) Conference. Who is eating my trees? Amherst, MA. 3.5.19 (100)**
- VT Nursery and Landscape Association (VNLA) Flower Show. Disease and pests of Vermont gardens and landscapes. Essex Junction, VT 3.1.19 (75)
- VT Vegetable and Berry Growers Association Annual Meeting. Looking back at the 2018 season- diseases and pests. Fairlee, VT. 2.21.19 (200)
  https://www.uvm.edu/vtvegandberry/VVBGAMeeting2019/Hazelrigg_Pest_Update.pdf
- **New Hampshire Landscape Recertification Course. Diseases of landscape trees and shrubs. Concord, NH. 2.18.19 (50)**
- UVM Master Gardener Plant Pathology Lecture webinar. 2.14.19 (160)

2018

- **NH High Tunnel Conference, Identifying and managing tomato diseases in high tunnels. Sideman, Smith and Hazelrigg. Manchester, NH. 12.3.18 (200)**
  https://unh.app.box.com/s/ywc6o08mvf8b3drywzrljlewubpw7mc4
- New England Greenhouse Conference. Moderator for disease sessions. Boxborough, MA. 11.6.18 (120)
- UVM Master Gardener advanced training disease and pest webinar. 6.20.18
- VT High Tunnel Workshop. Jericho, VT. 5.30.18 (50)
- Newport Garden Club. Disease and Pest presentation. Newport, VT. 4.10.18 (35)
- UVM PSS 281 Professional Development Colloquia. 3.27.18 (15)
- VT Commercial Pesticide Applicators Meeting. So. Burlington, VT. 3.10.18 (60)
- VT Crops Meeting. How to diagnose field crop problems. Bradford, VT. 3.27.18 (50)
- UVM Master Gardener lecture on Plant Pathology. 3.28.18 (150)
- NOFA VT Annual Meeting. Disease Roundtable for commercial growers. Burlington, VT. 2.18.18 (25)
- NOFA VT Annual Meeting. Diseases and Pests of 2017-18. Burlington, VT. 2.19.18 (25)
- VT Nursery and Landscape Association. Tree diseases and pests. Burlington, VT. 2.15.18 (100)
- VT NH Christmas Tree Growers Association. Christmas tree diseases. Burlington, VT. 1.30.18 (50)
- **CT Nursery and Landscape Association Meeting, Plantsville, CT. 1.24.18 (100)**
- VT Vegetable and Berry Association Annual Meeting, Fairlee, VT. 1.22.18 (200)

2017

- **NE Vegetable and Fruit Meeting, Manchester, NH. 12.12.17 (200)**
- **NE Grows, Boston, MA. Diseases and pests of ornamentals. 11.30.17 (40)**
- **Maine Farmer-to-Farmer Conference. Northport, ME. 11.6.17 (50)**
- UVM Master Gardener State Conference. Montpelier, VT. 10.21.17 (60)
- UVM Farmer Training Disease Field workshop. So. Burlington, VT. 8.16.17 (35)
- UVM Master Gardener advanced training on diseases and pests. Montpelier, VT. 7.15.17 (30)
- UVM Farmer Training diseases of vegetables lecture. So. Burlington, VT. 6.21.17 (35)
- EPIC UVM Extension UVM. Master Gardener Program. Fairlee, VT. 5.9.17 (20)
- UVM PSS 281 Professional Development Colloquia. 4.13.17 (20)
- UVM PBIO 117 Plant Pathology lecture. 4.10.17 (30)
- Initial Pesticide Certification Workshop. White River, Junction, VT. 4.25.17 (50)
- Initial Pesticide Certification Workshop. Burlington, VT. 4.25.17 (50)
- VT Vegetable and Berry Growers Annual Meeting. Pests and diseases in 2016. Fairlee, VT. 1.1.17 (150)
- NOFA VT Annual meeting, Pests and diseases in 2016 and 2017. Burlington, VT. 2.18.17 (50)
- NOFA VT Annual meeting, Commercial Grower Disease and Pest Roundtable. Burlington, VT. 2.18.17.
- VT Nursery and Landscape Association Flower Show, Disease and pests on the Horizon. Burlington, VT. 3.5.17 (60)
- **NY/VT Grape Growers Conference, Grape Diseases. Lake George, NY. 3.9.17 (85)**
- VT Grain Growers Conference, Seed borne disease. Essex Junction, VT. 3.23.17 (45)
- Commercial Pesticide applicator for field and forages meeting. Middlebury, VT. 3.30.17 (65)

2016

- VT Vegetable and Berry Growers Annual Meeting, Pests and diseases in 2015-16. Fairlee, VT. 1.20.16 (150)
- Vermont Composter Association. Presentation on UVM Compost Bioassay Grant results. Montpelier, VT. 1.21.16 (20)
- NOFA VT annual meeting, Pests and diseases for home and landscape. Burlington, VT. 2.13.16 (55)
- NOFA VT annual meeting, Commercial Grower's pest and disease roundtable. Burlington, VT. 2.14.16 (30)
- National Plant Diagnostic Network meeting, Vermont pests and diseases for 2015-16. Washington, DC. 3.10.16 (35)
- Initial Certification for Pesticide Applicators. Montpelier, VT. 4.9.16 (60)
- UVM PSS 281 Senior Colloquium. 4.15.16 (25)
- Chittenden Solid Waste Compost Day. Pests and Diseases presentation. Williston, VT. 5.1.16 (30)
- UVM Master Gardeners Advanced Training. Tomato Disease webinar. 5.9.16 (35)
- UVM Farmer Training, Diseases in Vegetable Crops. Burlington, VT. 6.29.16 (40)
- UVM Master Gardener advanced training on diseases and pests. Waterbury, VT. 7.9.16 (20)
- UVM PSS 209 Vegetable Crops, Diseases of Vegetable Crops. Burlington, VT. 6.11.16 (20)
- UVM Northwest Crops and Soils Agronomy Field Days, Disease and pest problems. Alburgh, VT. 6.28.16 (50)
- UVM Farmer Training. Disease field workshop. Burlington, VT. 8.19.16 (40)
- UVM PSS 145 Turf Class, Turf Diseases. 9.12.16 (30)
- **New England Grows. Sprint Talk on Landscape Disease ID. Boston, MA. 12.1.16 (40)**
- **High Tunnel Workshop, Tomato Diseases. Manchester, NH. 12.14.16 (100)**

2015

- VT Vegetable and Berry Growers Postharvest Workshop, Postharvest diseases of vegetables. Fairlee, VT. 1.10.15 (150)
- VT Vegetable and Berry Growers Annual Meeting, Disease and Pest Issues. Montpelier, VT. 1.21.15 (200)

- NOFA-VT Annual Meeting. Postharvest Diseases of Vegetables. Burlington, VT. 2.14.15 (40)
- Departmental Seminar/PhD Defense. Comparison of Three Orchard Management Systems in an Organic Orchard. 3.17.15 (50)
- UVM Master Gardener Course, Diseases, IPM and Pesticide Safety. Burlington, VT. 3.24.15 (165)
- UVM PSS 281 Professional Development Colloquia. 3.27.15 (15)
- Commercial Pesticide Applicators Meeting for Field and Forages. Randolph, VT. 4.2.15 (70)
- Initial Certification for Pesticide Applicators. Randolph, VT. 4.9.15 (60)
- VT Grape and Wine Council Grape Diseases and IPM. Burlington, VT. 6.26.15 (60)
- UVM Farmer Training lecture on Diseases in Vegetable Crops. Burlington, VT. 6.1.15 (25)
- UVM Master Gardener Waterbury Chapter Disease Workshop. Waterbury, VT. 6.11.15 (15)
- UVM PSS 154 Composting Ecology and Management, Persistent Pesticides and Compost. Burlington, VT. 7.21.15 (7)
- UVM Farmer Training Disease Field Workshop. Burlington, VT. 8.12.15 (25)
- UVM Master Gardener Chapter Workshop on Disease and Pest Issues. Burlington, VT. 8.20.15 (20)
- NOFA/VT Veg and Berry Twilight Meeting on Vegetable Scouting. East Montpelier, VT. 8.25.15 (25)
- **NE Vegetable and Fruit Conference, Fifty shades of gray mold-diseases of greenhouse tomatoes. Manchester, NH. 12.17.15 (125)**

2014

- VT Vegetable and Berry Growers Association Annual meeting, Disease and pest season review. Montpelier, VT. 1.27.14 (200)
- VT/NH Christmas Tree Association, Christmas Tree Disease presentation. Essex Junction, VT. 1.28.14 (100)
- UVM Master Gardener Course Plant Pathology Lecture. Burlington, VT. 2.19.14 (165)
- UVM Master Gardener Helpline Advanced Training on diseases and pests. Burlington, VT. 3.14.14 (20)
- UVM PSS 127 Greenhouse Management Course, Greenhouse Diseases. Burlington, VT. 3.19.14 (18)
- VT Organics Recycling Summit, Compost Bioassay grant project presentation. Randolph, VT. 4.3.14 (20)
- Northeast Region Technical Committee (NEERA) on Integrated Pest Management. Vermont pests and diseases in 2013-14. 4.1.14 (20)
- Initial Certification Workshop for Pesticide Applicators. Randolph, VT. 4.10.14 (65)
- UVM PSS 281 Professional Development Colloquia, Careers in Extension. Burlington, VT. 4.11.14 (10)
- Commercial Pesticide Applicators Meeting for Field and Forages. Middlebury, VT. 4.28.14 (70)
- Waterbury Garden Club, Climate change and disease. Waterbury, VT. 6.18.14 (25)
- UVM Farmer Training lecture on Diseases in Vegetable Crops. Burlington, VT. 6.18.14 (25)
- UVM PSS 154 VT Composting Class, Persistent Pesticides and Compost. Burlington, VT. 6.22.14 (10)
- UVM Farmer Training Disease Field Workshop. 6.25.14 (25)
- NOFA-VT and VT Veg and Berry Growers Twilight meeting, Disease Scouting. Montpelier, VT. 8.14.14 (20)
- UVM PSS 145 Turf Management, Turf diseases. Burlington, VT. 11.5.14 (20)
- Strawberry Pest Management Strategic Plan Workshop and Meeting on diseases and pests of strawberries. Fairlee, VT. 12.9.14-12.10.14 (20)

2013

- VT Vegetable and Berry Growers meeting, Disease and Pest Issues. Montpelier, VT. 1.28.13 (200)
- VT Nursery and Landscape Association (VNLA/Greenworks) annual meeting, Diseases and Pests of Trees. Burlington, VT. 2.13.13 (50)
- NOFA-VT annual meeting, Commercial grower pest roundtable. Burlington, VT. 2.17.13 (40)
- UVM Master Gardener Course, Disease, IPM and pesticide safety. Burlington, VT. 2.19.13 (180)
- UVM Master Gardener Chapter Meeting, Farming in Nepal. Burlington, VT. 2.21.13 (20)
- VT Nursery and Landscape Association (VNLA/Greenworks) Flower Show, Disease and Pest talk. Burlington, VT. 3.1.13 (25)

- Hot water seed treatment workshop for vegetable growers. Organized and presented at the 6 hour workshop. Burlington, VT. 3.5.13 (15)
- Commercial Pesticide Applicator meeting for Field and Forages. Randolph, VT. 3.26.13 (65)
- VT Garden Club, Emerging Diseases presentation. Burlington, VT. 4.1.13 (40)
- UVM PSS 281 Professional Development Colloquia, Extension careers lecture. Burlington, VT. 4.1.13 (10)
- UVM PSS 124 Agro-ecology of Vegetable Crops Diseases. Burlington, VT. 4.16.13 (20)
- Initial Certification for Pesticide Applicators. Randolph, VT. 4.23.13 (65)
- New American Farmer Workshop Disease/Pest presentation. Burlington, VT. 6.11.13 (20)
- Rutland Area Food Works/RAFL- Disease presentation. Rutland, VT. 6.17.13 (15)
- Youth Ag IDA Field Day: Vegetable Production, Pests and On-Farm Energy. Pest/disease presentation. Alburgh, VT. 6.11.13 (15)
- New American Farmer Workshop Disease/Pest Presentation. Burlington, VT. 6.26.13 (20)
- UVM Farmer Training Field disease workshop. Burlington, VT. 8.16.13 (25)
- VT Nursery and Landscape Association (VNLA/Greenworks) Annual meeting. Landscape and Nursery Disease and Pest presentation. Middlebury, VT. 8.20.13 (30)
- NE Small Fruit Working Group-Small fruit disease/pest presentation. Fairlee, VT. 10.1-3.13. (20)
- UVM PSS/PBIO 117 Plant Pathology. Disease diagnosis. Burlington, VT. 10.11.13 (20)
- **New England Vegetable and Fruit Conference. Session Moderator-Tomato Diseases, Manchester, NH. 12.18.13 (100)**
- **New England Vegetable and Fruit Conference. Session Moderator and speaker-Pest Problems. Manchester, NH. 12.19.13 (100)**

2012

- Commercial Pesticide Applicators Meeting for Field and Forages. Middlebury, VT. 1.18.12 (70)
- VT Vegetable and Berry Growers Meeting, Disease and Pest Issues. Montpelier, VT. 1.30.12 (170)
- NOFA-VT Annual meeting, Disease and Pest Issues. Randolph, VT. 2.11.12 (40)
- UVM Master Gardener Disease/ IPM lecture. Burlington, VT. 2.21.12 (200)
- SOUL (Save our Urban Landscape) Tree Disease Lecture. Burlington, VT. 2.22.12 (35)
- UVM PSS 281 Professional Development, Extension careers lecture. Burlington, VT. 3.12.12 (10)
- VT Nursery and Landscape Association (VNLA/Greenworks) Annual Meeting, Diseases and Pests of Trees. Burlington, VT. 3.15.12 (40)
- UVM Northwest Crops and Soils Winter Hops Conference, Diseases and Pests. Burlington, VT. 3.19.12 (60)
- UVM Master Gardener Helpline Advanced Training workshop on Diseases. Burlington, VT. 3.21.12 (20)
- UVM PSS 127 Greenhouse Management, Disease lecture. Burlington, VT. 3.22.12 (20)
- **Northern New England Nursery Conference, Strategies for Diagnosing Plant Problems for your clients and customers. Amherst, MA. 4.2.12 (40)**
- UVM PSS 127 Greenhouse Management, Pesticide certification. Burlington, VT. 4.15.12 (25)
- Initial Certification for Pesticide Applicators. Randolph, VT. 4.18.12 (65)
- VT Vegetable and Berry Growers Twilight Meeting. East Montpelier, VT. 5.16.12 (20)
- UVM Farmer Training Disease Workshop. Burlington, VT. 7.11.12 (25)
- Chittenden Solid Water District Herbicide Issues in Compost Technician Training. Williston, VT. 7.16.12 (10)
- UVM Master Gardener Middlesex Twilight meeting. Middlesex, VT. 7.17.12 (30)
- UVM Master Gardener Twilight meeting. Starksboro, VT. 7.18.12 (30)
- UVM Farmer Training Disease Field Workshop. Burlington, VT. 8.3.12 (25)
- UVM Northwest Crops and Soils Field Days, Disease problems in corn. Alburgh, VT. 8.8.12 (100)
- VT Nursery and Landscape Association (VNLA/Greenworks) Annual Meeting, Disease and Pest Panel. Burlington, VT. 8.23.12 (50)
- NOFA-VT Seedborne Disease Twilight meeting. Wolcott, VT. 9.5.12 (50)
- Plant and Soil Science Department Seminar-Vegetable IPM in Nepal. Burlington, VT. 9.7.12 (30)
- New England Small Fruit IPM Working Group/Pest Issues Tour. Southern Vermont. 9.12-14.12 (20)
- UVM PSS 145 Turf Management, Diseases in Turf. Burlington, VT. 10.18.12 (20)

- Plant Biology Department Seminar on Emerging Diseases. Burlington, VT. 11.15.12 (35)

2011

- **New Hampshire Organic High Tunnel Workshop, Tomato Diseases. Manchester, NH. 1.21.11 (50)**
- **NYS Fruit and Vegetable Expo Leafy Greens Diseases. Syracuse, NY. 1.25.11 (50)**
- VT Vegetable and Berry Growers annual meeting, Year in Review for Diseases and Insects. Montpelier, VT. 1.31.11 (75)
- Commercial Pesticide Applicators meeting for Field and Forages Disease Issues. Randolph, VT. 2.3.11 (40)
- Northeast Plant Diagnostic Network-Year in Review in the UVM Plant Diagnostic Clinic. Ithaca, NY. 2.23.11 (20)
- UVM PSS 281 Professional Development Course, Presentation on Certifications. Burlington, VT. 2.28.11 (10)
- NOFA-VT Pest Management Disease Course-Developer and speaker. Part of a 3 part series with emphasis on Vegetable Diseases. Fairlee, VT. 3.24.11 (50)
- UVM PSS 124 Agroecology of Vegetable Crops, Disease Lecture. Burlington, VT. 2.29.11 (20)
- Nutrient and Disease Management in High Tunnels. NRCS Workshop. 3.31.11 (50)
- UVM Master Gardener Helpline Advanced Training, Diseases-new and past. Burlington, VT. 4.4.11 (20)
- Initial Certification for Pesticide Applicators. Randolph, VT. 4.7.11 (60)
- UVM HH 195 Z6 Emerging Infectious Diseases, New and Emerging Plant Diseases. Burlington, VT. 4.12.11 (20)
- UVM Master Gardener Plant Pathology lecture. Burlington, VT. 4.19.11 (225)
- Green Mountain College, Diseases/IPM and field walk. Poultney, VT. 6.21.11 (20)
- UVM Continuing Education Farmer Training Program, Plant Disease lecture. Burlington, VT. 7.13.11 (15)
- New England Small Fruit IPM Working Group and Pest Issues Tour. Burlington, VT. 8.25-27.11 (20)
- NOFA-VT/VT Vegetable and Berry Association Twilight Meeting, Marshfield, VT. 8.1.11 (30)
- UVM Master Gardener Twilight Meeting. Waitsfield, VT. 8.1.11 (20)
- UVM Farmer Training Program, Plant Disease lecture. Burlington, VT. 8.17.11 (15)
- UVM PSS 010 Home and Garden Horticulture, short videos on vegetable diseases. Burlington, VT. 8.25.11 (50)
- Ag Medicine Webinar on Pesticide Safety. 9.24.11 (15)
- UVM Master Gardener Advanced Disease training. Burlington, VT. 10.27.11 (20)
- **NE Vegetable and Small Fruit Growers meeting, Session Moderator and speaker. Manchester, NH. 12.13-15.11 (100)**

2010

- Commercial Pesticide Applicator's Meeting, Plant Disease Problems 2009. Middlebury, VT. 1.19.10 (60)
- **New Hampshire Master Gardener Advanced Workshop on Diseases. Concord, NH. 1.26.10 (60)**
- VT Senate Ag Committee, Testify on late blight in 2009. Montpelier, VT. 2.11.10 (10)
- NOFA-VT annual meeting, The Perfect Storm-Late blight in 2009. Randolph, VT. 2.13.10 (35)
- NOFA-VT annual meeting, Climate Change and Vegetable Diseases. Randolph, VT. 2.13.10 (35)
- UVM Master Gardener Course, Plant Pathology 101. 2.16.10 (225)
- VT House Ag Committee, Testify on late blight in 2009. Montpelier, VT. 2.19.10 (10)
- SOUL (Save our Urban Landscape) Workshop, Diseases of Trees and Shrubs. Burlington, VT. 2.25.10 (40)
- Northeast Grain Workshop, DON testing and Mycotoxins in Grains. Burlington, VT. 3.9.10 (15)
- VT Technical College Horticulture Class, Plant Pathology Lecture. Randolph, VT. 3.24.10 (25)
- UVM PSS 127 Greenhouse Management, Lecture on Greenhouse Diseases. Burlington, VT. 4.1.10 (20)
- Farm Health and Occupational Safety Training. Agricultural Toxicology and Pesticides. Fairlee, VT. 4.7.10 (35)
- Initial Certification Meeting for VT Pesticide Applicator's License. Randolph, VT. 4.13.10 (55)
- UVM PSS 127 Greenhouse Management, Pesticide Recertification. Burlington, VT 4.15.10 (20)

- VT Nursery/Dealer Meeting. Late Blight and What to look for in 2010. Randolph, VT. 4.16.10 (35)
- UVM PSS 281 Professional Careers in Plant and Soil Science. Burlington, VT. 4.19.10 (10)
- Diagnostic Workshop Penn State, Vermont Program and Updates. College Station, PA. 5.18.10 (15)
- **National Webinar New Farmer Project on Plant Diseases. 6.24.10 (50)**
- NH/VT Christmas Tree Growers Association, Pesticide Education and Safety, Bakersfield, VT. 6.26.10 (60)
- **New England Small Fruit IPM Working Group and Pest Issues Tour. Massachusetts. 7.20.10-7.22.10 (20)**
- High Mowing Seeds Customer Appreciation, Field workshop on plant diseases. Wolcott, VT. 8.24.10 (50)
- UVM Master Gardener Chapter Twilight meeting on pest/diseases. Burlington, VT. 8.25.10 (25)
- NOFA-VT workshop on diseases and pests of vegetable crops. Montpelier, VT. 8.26.10 (30)
- NOFA-VT workshop on diseases and pests of vegetables. Rutland, VT. 9.22.10 (30)
- New Hampshire Professional Development training for Extension educators on Wheat. Concord, NH. 9.9.10-9.10.10 (20)
- Montpelier Schools-Using IPM in your School for Administrators and Custodial Staff. Montpelier, VT. 10.5.10 (30)
- **National Great Lakes IPM Webinar Series. Disease Management in High Tunnels, including cultural controls, pesticide use, and organic methods. 11.8.10 (100)**
- UVM PSS 145 Turf Management, Turf Diseases lecture. Burlington, VT. 11.10.10 (25)

2009

- Commercial Pesticide Applicators Meeting for Field and Forages. Randolph, VT. 1.22.09 (65)
- VT Professional Horticulturists Review on Diseases. Burlington, VT. 1.24.09 (15)
- NOFA-VT Winter Conference. Disease 101. Randolph, VT. 2.14.09 (40)
- NOFA-VT Winter Conference-Disease Problems in 2009. Randolph, VT. 2.15.09 (40)
- Waterbury Garden Club-How to Diagnose Diseases. Waterbury, VT. 2.19.09 (25)
- Private Pesticide Applicators Meeting for Field and Forages. White River Junction, VT. 3.16.09 (50)
- Private Pesticide Applicators Meeting for Field and Forages. Sheldon, VT. 3.23.09 (50)
- Private Pesticide Applicators Meeting for Field and Forages. St. Johnsbury, VT. 3.25.09 (60)
- Initial Certification Review for Vermont Pesticide Applicator License. Randolph, VT. 3.26.09 (50)
- UVM PSS 145 Turf Management, Turf Diseases. Burlington, VT. 3.31.09 (20)
- UVM PSS 281 Professional Development, Extension careers. 4.3.09 (15)
- UVM Master Gardener Course. Plant Disease and Pesticide Safety. Burlington, VT. 4.14.09 (200)
- UVM Master Gardener Advanced Training, Diseases and Plant Problems. Burlington, VT. 4.17.09 (20)
- Vermont Vegetable and Berry Growers Association Twilight Meeting. 6.06.09 (20)
- NOFA-VT Workshop on Vegetable Diseases. East Montpelier, VT. 6.10.09 (35)
- Burlington Area Community Gardens Disease walk/presentation. Burlington, VT. 7.9.09 (10)
- UVM Master Gardener Twilight Meeting Disease walk. Montpelier, VT. 7.10.09 (20)
- NorthWoods Stewardship Center, Plant Diseases in 2009. East Charleston, VT. 7.11.09 (35)
- Burlington Parks and Rec. Dept.-Disease Workshop in the Community Gardens. Burlington, VT. 7.13.09 (20)
- **Northeast Small Fruit IPM Working Group and Pest Issues Tour-leader and facilitator. MA. 8.25.09-8.27.09 (20)**
- UVM PSS 010 Home Horticulture Laboratory. Plant Disease-Burlington, VT. 9.11.09 (35)
- UVM Master Gardener Pesticide Certification Workshop. Burlington, VT. 9.18.09 (35)
- Small Fruit Pest Tour presentation. National Plant Diagnostic Network Meeting. Miami, FL 12.10.09 (75)
- **New England Vegetable and Berry Conference, Brassica Diseases. Manchester, NH. 12.13.09 (50)**
- **New England Vegetable and Berry Conference, Grower roundtable on Disease. Manchester, NH. 12.13.09 (50)**

2008

- VT Vegetable and Berry Growers Annual Meeting. Disease and Pest Updates. Montpelier, VT. 2.25.08 (150)

- Central VT Garden Show. Disease and Pest Updates for 2008. Stowe, VT. 3.14.08 (50)
- Friends of the Horticulture Farm, Diseases in the Landscape. Burlington, VT. 3.12.08 (20)
- UVM Master Gardener Course lecture on diseases and IPM. Burlington, VT. 3.20.09 (200)
- UVM PSS 127 Greenhouse Management, Disease lecture. Burlington, VT. 4.1.08 (20)
- UVM New American Farmers, disease workshop. Burlington, VT. 5.2.08 (15)
- UVM Master Gardener Advanced Training. Burlington, VT. 5.12.08 (20)
- High Mowing Seed Customer Appreciation Day, Vegetable Diseases. Wolcott, VT. 7.30.08 (50)
- NOFA-VT Twilight Meeting-Vegetable Diseases. Montpelier, VT. 7.31.08 (35)
- Friends of the Hort Farm, Disease Workshop. Burlington, VT. 8.12.08 (15)
- Fort Ethan Allen Community Gardens, Garden Walk/Diseases. Burlington, VT. 8.13.08 (15)
- County Forester Initial Certification Training. Montpelier, VT. 8.21.08 (35)
- UVM PSS 010. Home Horticulture, Diseases in the Field. Burlington, VT. 9.15.08 (50)
- UVM PSS 010. Home Horticulture, Diseases in the Field. Burlington, VT. 9.17.08 (50)
- UVM PSS 124 Vegetable Management, Disease presentation. Burlington, VT. 11.18.08 (40)
- UVM PSS 124 Vegetable Management, Disease Lab. Burlington, VT. 11.20.08 (40)

UVM Invited Lectures:

I guest lecture in several UVM classes on applied plant pathology, IPM and pesticide safety each year: PSS/PBIO 117 Plant Pathology; PSS 010 Home Horticulture; PSS 127 Greenhouse management; PSS 281 Professional Development Eco Ag/Susc. Landscape Horticulture; PSS 021 Ecological Agriculture; PSS 145 Turf grass Management; PSS 154 Composting Ecology and Management and the UVM Farmer Training program.

Scholarship and Research:

I am responsible for conducting applied research in the general area of plant pathology and pest management relating to my extension outreach programs. As an extension specialist who summarizes and interprets scientific information for growers and the public, scholarship is not limited to peer reviewed articles. Scholarship is involved when I diagnose clinic samples and provide lifecycle and management information for growers; when I write articles for grower newsletters on current and emerging pests and diseases; when developing Across the Fence television programs; when writing press releases and developing workshops; when updating New England Vegetable and Fruit Management Guides and when developing Pest Management Strategic Plans (PMSPs).

In 2012, a .2 FTE Vermont Agriculture Experiment Station (VT AES) research component was included in my appointment. My current VT AES research is on the evaluation of steam and hot water seed treatments and their impacts on carrot foliar diseases. I am currently in the process of analyzing statistics and writing publications on the research. My previous VT AES research on three organic management systems for apple diseases and arthropod pests resulted in my Ph.D. dissertation and three peer-reviewed papers and two poster presentations. A multi-state AES project I was recently involved with resulted in a paper in the Journal of Weed Science.

Publications:

Currently writing “Disease susceptibility of cold-climate grapes in Vermont” and “Hot water and steam treatment of carrot seed and impacts on Alternaria leafspot diseases” to be presented at International Society of Horticulture Science (ISHS) meeting, October 2020. Abstract due April 2020; on hold to due Covid-19. Also, “Incidence and severity of wheat disease in Vermont” journal article with Heather Darby.

Peer Reviewed Published Journals/Dissertation:

- Richard G. Smith, Sonja K. Birthisel, Sidney C. Bosworth, Bryan Brown, Thomas M. Davis, Eric R. Gallandt, **Ann Hazelrigg,** Eric Venturini, and Nicholas D. Warren. 2018. Environmental correlates with germinable weed seed banks on organic farms across northern New England. Journal of Weed Science. Vol 66 Issue 1

pgs 78-93. https://www.cambridge.org/core/journals/weed-science/article/environmental-correlates-with-germinable-weed-seedbanks-on-organic-farms-across-northern-new-england/B6BF81F665AB34540243B446139C2D3E 10%

- **Hazelrigg, A.,** Bradshaw, T.L., Maia, G.S., Kingsley-Richards, S.L. and Berkett, L.P. 2018. Disease susceptibility of cold-climate grapes in Vermont, USA. Acta Hortic. 1205, 477-482 DOI:10.17660/ActaHortic.2018.1205.58 https://www.actahort.org/books/1205/1205_58.htm 100%
- Bradshaw, T.L., **Hazelrigg, A.** and Berkett, L.P. 2018**.** Characteristics of the cold-climate winegrape industry in Vermont, USA. Acta Hortic. 1205, 469-476 DOI:10.17660/ActaHortic.2018.1205.57 http://www.actahort.org/books/1205/1205_57.htm 30%
- Bradshaw, T.L., **Hazelrigg, A.,** Kingsley-Richards S.L., and Foster, J.A**.** 2015. Field assessment of biostimulants to aid in reduction of sulfur to manage apple scab. Plant Disease Management Reports Plant Dis. Manag. Rep. http://www.uvm.edu/~fruit/pubs/15Bradshaw_PDMR_biostimulants.pdf 30%
- Bradshaw, T.L., **Hazelrigg, A.,** Kingsley-Richards S.L., and Foster, J.A. 2015. Field assessment of biofungicides for management of diseases on *Vf*-gene resistant apple cultivars. Plant Disease Management Reports. Plant Disease Management Reports 10:PF032 30% http://www.uvm.edu/~fruit/pubs/15Bradshaw_PDMR_OrgFungicidesOrch4.pdf
- **Hazelrigg, A.,** 2015. The efficacy and non-target impacts of an organic disease management system containing biostimulants compared with two sulfur-based systems on four apple cultivars in Vermont. Ph.D. Dissertation. University of Vermont, Burlington, Vermont. https://scholarworks.uvm.edu/graddis/334/ 100%
- **Hazelrigg, A.,** Berkett, L.P., Darby, H.M., Görres, J.H. and Parsons, R.L. 2016. Assessment of agricultural biostimulants compared with sulfur-based fungicides on diseases, tree growth, fruit yield and quality on three cultivars in a certified organic apple orchard in Vermont, USA. Acta Hortic. 1137, 161-168 DOI: 10.17660/ActaHortic.2016.1137.22 https://www.actahort.org/books/1137/1137_22.htm 100%
- **Hazelrigg, A.,** Berkett, L.P., Darby, H.M., Görres, J.H. and Parsons, R.L. 2016. Non-target impacts of agricultural biostimulants compared with sulfur-based fungicides on pest and beneficial arthropods on three cultivars in a certified organic apple orchard in Vermont, USA. Acta Hortic. 1137, 169-172 DOI: 10.17660/ActaHortic.2016.1137.23 https://www.actahort.org/books/1137/1137_23.htm 100%
- **Hazelrigg, A.,** Berkett, L.P., Darby, H.M., Görres, J.H. and Parsons, R.L. 2016. Non-target impacts of agricultural biostimulants compared with sulfur-based fungicides on phytophagous mites on 'Zestar!' apple trees in a certified organic orchard in Vermont, USA. Acta Hortic. 1137, 173-176 DOI: 10.17660/ActaHortic.2016.1137.24 https://www.actahort.org/books/1137/1137_24.htm 100%

Non-Peer Reviewed-National/International Posters, Abstracts, Factsheets and Reports:

Posters:

- **Hazelrigg, A.** and G.S Maia. 2019. Weather and Climate Impacts on Plant Disease in Vermont in Summer 2018. National Plant Diagnostic Network Meeting, Indianapolis, IND. 4.15.19. 100%
- **Hazelrigg, A.,** B.K. Halverson, L. Chouinard and G.S. Maia. 2018. Impacts of promoting Integrated Pest Management (IPM) in home gardens and landscapes through the Vermont Extension Master Gardener Helpline. National IPM Symposium, Baltimore, MD. 3.19.18. 100%
- **Hazelrigg, A.,** T. Bradshaw, H.M. Darby, M. Skinner, S. Bosworth and S. Kinglsey-Richards. 2018. Vermont's Extension IPM program addresses diverse stakeholder needs. National IPM Symposium, Baltimore, MD. 3.19.18. 100%
- **Hazelrigg, A.,** Halverson, B., Chouinard, L. and Maia, G**.** 2018. Impacts of promoting Integrated Pest Management (IPM) in home gardens and landscapes through the Vermont Extension Master Gardener Helpline. Nat'l IPM Meeting, Baltimore, MD. 3.22.18 100% https://www.uvm.edu/sites/default/files/media/pdc-poster-emgipm.pdf
- **Hazelrigg, A.,** Bradshaw, T., Maia, G., Kingsley-Richards, S., Berkett, L. Disease Susceptibility of Cold Climate Grapes in Vermont, USA. Innohort Meeting Australia. August 2016. Bradshaw presented. 100%

- Bradshaw, T**., Hazelrigg, A.,** Berkett, L. Poster and abstract. Characteristics of the Cold-Climate Winegrape Industry in Vermont, U.S.A. Innohort Australia. August, 2016. Bradshaw presented. 30%
- **Hazelrigg, A.L.** and G.S. Maia**.** 2016. Promoting IPM through a partnership between the UVM Plant Diagnostic Clinic and the Vermont Extension Master Gardener program. Poster and abstract. National Plant Diagnostic Network, Washington, DC. 3.8.16 100%
- Creswell, T., Harmon, C., Williamson, M., Wick, R., Marra, R., **Hazelrigg, A.L.,** Rodriguez-Salamanca, L. Beyond 'National': The NPDN at Work Abroad. Poster and abstract. National Plant Diagnostic Network, Washington, DC. 3.8.16 25%
- **Hazelrigg, A.L.,** Berkett, L.P., Darby, H.M., Gorres, J. and R. Parsons. 2015. Assessment of agricultural biostimulants compared with sulfur-based fungicides on pest and beneficial arthropods in a certified organic apple orchard in Vermont, USA. Acta Hort. Avignon, France. Poster and abstract. 3.22.15. 100%
- **Hazelrigg, A.L.,** Berkett, L.P., Darby, H.M., Gorres, J. and R. Parsons**.** 2015. Non-target impacts of agricultural biostimulants compared with sulfur-based fungicides on phytophagous mites in a certified organic apple orchard in Vermont, USA. Acta Hort. Avignon, France. Poster and abstract. 3.22.15. 100%
- Bergstrom, Gary C., J.A. Cummings, K.D. Waxman, C.A. Bradley, S.N. Wegulo, **A.L. Hazelrigg,** D.E. Hershman, M. Nagelkirk, and L.E. Sweets. 2013. Effects of local corn debris management of FHB and DON levels in seventeen U.S. Wheat Environments in 2011-2013. Poster and Abstract. National Meeting, Fusarium Head Blight Forum and Poster in Milwaukee, WI. December 2013. 15%
- Bergstrom, Gary C., Jaime A. Cummings, Katrina D. Waxman, Carl A. Bradley, **Ann L. Hazelrigg,** Donald E. Hershman, Martin Nagelkirk, Laura E. Sweets, and Stephen N. Wegulo. 2012. Effects of Local Corn Debris Management on FHB and DON Levels in Fourteen U.S. Wheat Environments in 2011 and 2012. Poster. 2012 Fusarium Head Blight Symposium. Orlando, FL. 15%
- Bergstrom, Gary C., Jaime A. Cummings, Katrina D. Waxman, Carl A. Bradley, **Ann Hazelrigg,** Donald E. Hershman, Martin Nagelkirk, Laura E. Sweets, and Stephen N. Wegulo. 2012. Effects of Local Corn Debris Management on FHB and DON Levels in Fourteen U.S. Wheat Environments in 2011 and 2012. Abstract. 15%
- **Hazelrigg, A.,** Berkett, L., Bosworth, S., Darby, H., Skinner, M. 2012. A comprehensive interdisciplinary Vermont Extension IPM program addressing stakeholder priorities and needs. Poster and abstract. 2012 National IPM Meeting. Memphis, TN. 100%
- Bergstrom, Gary C., Katrina D. Waxman, Carl A. Bradley**, Ann L. Hazelrigg,** Donald E. Hershman, Martin Nagelkirk, Laura E. Sweets, and Stephen N. Wegulo**.** 2011. Effects of Local Corn Debris Management on FHB and DON Levels in Seven U.S. Wheat Environments in 2011. Poster. 2011 Fusarium Head Blight Symposium. St Louis, MO. 15%
- **Hazelrigg, A.L.** The University of Vermont Plant Diagnostic Clinic. 2009. Poster. 2009 National Plant Diagnostic Network Meeting. Poster and abstract. Miami, FL. 8.25.09 100%
  https://projects.ipmcenters.org/Northeastern/FundedProjects/ReportFiles/1311278_649177.pdf

Reports/Factsheets:

- **Halverson, et al. Master Gardener 2018-2019 Annual Report.**
  https://www.uvm.edu/sites/default/files/Extension-Master-Gardener/mastergardener-report-2019.pdf
- **Hazelrigg, A.** and G. Maia. 2019. Cucurbit Diseases.
- **Hazelrigg, A.** and G. Maia. 2020. Tomato Pest Commodity Survey.
  https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PDC_2019TomatoPestCommoditySurvey.pdf
- **Hazelrigg, A.** and G. Maia. 2020. Corn Pest Commodity Survey.
  https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PDC_2019CornPestCommoditySurvey.pdf

- **Hazelrigg, A.** and G. Maia. 2020. Apple Pest Commodity Survey. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PDC_2019TreeFruitPestCommoditySurvey.pdf
- **Hazelrigg, A.** and G Maia. 2020. Plant Diagnostic Clinic 2019 Report. https://www.uvm.edu/sites/default/files/Agriculture/2019_Report_Plant_Diagnostic_Clinic.pdf
- **Hazelrigg, A.** Northeast Extension Technical Committee (NEERA) Vermont Report. 2019. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/IPM_NEERAreport2019.pdf
- **Hazelrigg, A.** and G. Maia. 2019. Brassica Diseases. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PDC_BrassicaDiseases.pdf
- **Hazelrigg, A.** and G. Maia. 2019. High Tunnel Tomato Diseases. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PDC_HighTunnelTomatoDiseases.pdf
- **Hazelrigg, A.** and H. Darby, E. Cummings., G.S. Maia and R. Malone. 2018. Germination in Spring Grains Treated with Organic Seed Amendments and Aerated Steam. https://www.uvm.edu/sites/default/files/media/2018_Steam_Treat_Greenhouse_Final.pdf
- **Hazelrigg, A.** and G.S. Maia. 2018. UVM Plant Diagnostic Clinic Report 2018 https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/pdc-report2018.pdf
- **Hazelrigg, A.** and G.S. Maia. 2019. 2018 Commercial Grower Plant Diagnostic Clinic Evaluation. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PDC_2018CommercialEvaluation.pdf
- **Hazelrigg, A.** and G.S. Maia. 2019. 2018 UVM Plant Diagnostic Clinic Evaluation-Home Gardeners. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PDC_2018GardenerEvaluation.pdf
- **Hazelrigg, A.** and G.S. Maia. 2018. VAAFM/APHIS Tomato and Apple Commodity Pest Scouting Report 2018. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/AppleTomatoCommoditySurvey_2018.pdf
- **Hazelrigg, A.** 2018. Northeast Extension Technical Committee (NEERA) Vermont Report. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/IPM_NEERAreport2018.pdf
- **Hazelrigg, A.,** Darby, H., Bradshaw, T., Skinner, M. 2018. Extension IPM 2018 Accomplishments Report https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/IPM_finalreportsummary2018.pdf
- **Hazelrigg, A.** 2018. Home Invasions of the Insect Kind https://www.uvm.edu/sites/default/files/media/Home_Invaders_and_Nuisance_Pests.pdf
- **Hazelrigg, A.** 2018. USDA NIFA Final Report EIPM Grant 2014-2017. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/IPM_finalreport2018.pdf
- **Hazelrigg, A.** 2018. NE Vegetable and Small Fruit IPM Working Group Report. Notes, Survey and Priorities. Notes: https://www.northeastipm.org/neipm/assets/File/VegIPMWG/VegIPMWG-2018-Notes.pdf Survey: https://www.northeastipm.org/neipm/assets/File/VegIPMWG/VegIPMWG-2018-Meeting-Survey.pdf Priorities Summary: https://www.northeastipm.org/neipm/assets/File/VegIPMWG/VegIPMWG-2018-Summary-of-Priorities.pdf
- Halverson, B., Chouinard, L. Heath, C. **Hazelrigg, A**. 2018. UVM Master Gardener Program 2017-2018 Annual Report. https://www.uvm.edu/sites/default/files/media/emgreport2018-print.pdf
- **Hazelrigg, A. 2017.** Northeast Extension Technical Committee (NEERA) Vermont Report. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/IPM_NEERAreport2017.pdf

- **Hazelrigg, A.** 2017. USDA NIFA Extension IPM 2017 Accomplishments Report https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/IPM_report2017.pdf
- **Hazelrigg, A.** and G. Maia. 2017. Plant Diagnostic Clinic Report https://www.uvm.edu/sites/default/files/media/pdc-report2017.pdf
- **Hazelrigg, A.** and G. Maia. 2017. Commodity Survey of Apple and Grape Pests https://www.uvm.edu/sites/default/files/media/pdc-applegrape-report2016.pdf
- Darby, H., **A. Hazelrigg,** E. Cummings and G. Maia. 2017 Small Grain Disease and Insect Pest Scouting Report https://www.uvm.edu/sites/default/files/media/2016-2017_NE_Grains_Pest_Scouting_REPORT_0.pdf
- Halverson, B., Chouinard, L., **Hazelrigg, A**. 2017. UVM Master Gardener Program 2017-2018 Annual Report https://www.uvm.edu/sites/default/files/media/emgreport2017-print.pdf
- **Hazelrigg, A.** 2017. USDA NIFA Extension IPM Annual Report https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/IPM_report2017.pdf
- **Hazelrigg, A.** 2016. USDA NIFA Extension IPM 2015-2016 Accomplishments Report. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/IPM_report2016.pdf
- **Hazelrigg, A.** and G. Maia. 2016. Plant Diagnostic Clinic Report. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/pdc-report2016.pdf
- **Hazelrigg, A.** and G.S. Maia**.** 2016. Apple and Grape Commodity Survey for Invasive Pests. VT Agency of Agriculture, Food and Markets. https://www.uvm.edu/sites/default/files/media/pdc-applegrape-report2016.pdf
- **Hazelrigg, A.** Tomato Problems in the Home Garden. 2016. https://www.uvm.edu/sites/default/files/Tomato-Problems.pdf
- **Hazelrigg, A.** Maple Problems. 2016. https://www.uvm.edu/sites/default/files/Maple-Problems.pdf https://www.uvm.edu/sites/default/files/pdc-report2015.pdf
- **Hazelrigg, A**. Basil Downy Mildew. 2015.
- **Hazelrigg, A.** Northeast Extension Technical Committee (NEERA) Vermont Report. 2015-2016. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/IPM_NEERAreport2015.pdf
- Campbell-Nelson, K., **Hazelrigg, A.** and Radin, A. 2015. NE Fruit and Vegetable Scouting Network. https://projects.ipmcenters.org/Northeastern/public/ViewProject.cfm?projectID=7086573
- **Hazelrigg, A.** 2015. Report on the use of Bioassays in Commercial Compost. Submitted to ANR**.**
- **Hazelrigg, A.** 2015. USDA NIFA Extension IPM 2014-2015 Accomplishments Report. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/IPM_report2014.pdf
- **Hazelrigg, A.** 2015. UVM Plant Diagnostic Clinic Report 2015. https://www.uvm.edu/sites/default/files/pdc-report2015.pdf
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- **Hazelrigg, A.** 2014**.** Northeast Extension Technical Committee (NEERA) Vermont Report 2013-2014. https://www.northeastipm.org/neipm/assets/File/NEERA1004/2014/VT-Report.pdf
- **Hazelrigg, A.** 2014. USDA NIFA IPM Report 2014 https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/IPM_report2014.pdf
- **Hazelrigg, A.** 2014. USDA NIFA 2014-2017 Extension IPM Program Approach. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/IPM_approach2014.pdf
- **Hazelrigg, A**. 2013. Using Compost in the Garden-it is still a good idea!

- **Hazelrigg, A.** 2013. USDA NIFA Vermont Extension IPM Report. 2013-2014. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/IPM_report2013.pdf
- Bosworth, S.C. and **A. Hazelrigg.** 2013. Weed seedbank Summary of Vermont Organic Farms http://pss.uvm.edu/vtcrops/research/Weeds_Seedbank_Summary_Vermont_2013.pdf
- **Hazelrigg, A.** 2013. Northeast Extension Technical Committee (NEERA) Vermont Report. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/IPM_NEERAreport2013.pdf
- **Hazelrigg, A.** 2013. USDA NIFA Extension IPM Program Approach. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/IPM_approach2013.pdf
- **Hazelrigg, A.** 2013. Vermont IPM Final Report.
- **Hazelrigg, A.** 2013. UVM Plant Diagnostic Clinic Report. 2013. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/IPM_report2013.pdf
- **Hazelrigg, A.** 2012. USDA NIFA Extension IPM Final Report 2012. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/IPM_report2012Final.pdf
- **Hazelrigg, A.** 2012. Impatiens Downy Mildew. Factsheet.
- **Hazelrigg, A.** 2012. Small fruit IPM Working Group Tour Report. https://www.northeastipm.org/neipm/assets/File/Small-Fruit-WG-Pest-Issues-Tour-2012.pdf
- **Hazelrigg, A.** UVM Plant Diagnostic Clinic Report. 2012. https://www.uvm.edu/sites/default/files/pdc-report2012.pdf
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- **Hazelrigg, A.** 2011. UVM Plant Diagnostic Clinic Report. https://www.uvm.edu/sites/default/files/media/2011-pdc-report.pdf
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- **Hazelrigg, A.** 2010. UVM Plant Diagnostic Clinic Report. https://www.uvm.edu/sites/default/files/media/2010-pdc-report.pdf
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- **Hazelrigg, A.** 2009. UVM Plant Diagnostic Clinic Report. https://www.uvm.edu/sites/default/files/media/2009-pdc-report.pdf

Websites:

I manage/ provide educational content for the following websites:

- UVM Plant Diagnostic Clinic (https://www.uvm.edu/extension/pdc)
- VT Pesticide Education and Safety Program (https://www.uvm.edu/extension/psep)
- The UVM Extension IPM website (https://www.uvm.edu/extension/ipm)
- UVM Master Gardener website (https://www.uvm.edu/extension/mastergardener)
- VT School IPM (http://pss.uvm.edu/pd/schoolipm/)

Course/ Workshop Development: Sarah Kingsley-Richards and Hazelrigg

- Online Vermont Pesticide Safety Education: Category 7A Manual Review. Through a national competitive grant, the UVM PSEP has developed and launched a new opportunity for Vermont Structural Pest Control Pesticide Applicators. This **2.9 hour** fee-based course is presented in **ten modules** that provide a review of Category 7a Subcategory Structural and Rodent manual content required to take the Vermont 7A General (Structural) Pest Control pesticide applicator certification category exam. https://www.uvm.edu/extension/pseponline
- **Online Pesticide Core Manual Review Course 2019**. Through a national competitive grant, the UVM PSEP has developed and launched a new opportunity for Vermont residents wanting to attain their Certified Pesticide Applicator license. This new fee-based online course opportunity is approximately 2.7 hours with eight modules that provide a review of CORE manual content required to take the Vermont pesticide applicator certification CORE exam. https://www.uvm.edu/extension/pseponline
- **Online Pesticide Core Manual Review Course for Pesticide Recertification Credit 2019.** This new fee-based online course opportunity is four one-hour modules with quizzes providing a review of CORE manual content for recertification credit. Certificate of completion is generated that can be sent to VAAFM to receive a pesticide recertification credit. Reciprocity is granted for the following states: ME, NH, CT and RI. Each unit is $30.00 through eXtension.
    - Unit 1- Pest, Pesticides, Pest Management (Chapters 2, 3, 13) and Environment, Water, Resistance, Application, Drift (Chapter 10-12, 21, 22)
    - Unit 2- Exposure and Risk, Toxicity, PPE, Responding to Exposure, Heat Stress, Residue and Tolerance, Safety (Chapters 5-9, 15, 23) and The Label (Chapter 28)
    - Unit 3- Formulations (Chapter 4) and Calibration, Calculations, Mixing and Loading, Managing Waste (Chapters 24-27)
    - Unit 4- Pesticide Laws and Regulations (Chapters 1, 14, 16) and Storage, Transport, Security, Emergency Planning, Conduct and Liability (Chapters 17-20, 29)

- **IPM Fellow 2018-2021**. Through a national grant, I am collaborating with several land grant universities in the south and northeast to select a cohort of IPM Fellows, undergraduates interested in IPM and agriculture. I will mentor the UVM IPM Fellow for two years, teaching about IPM and hands' on Extension work. I am currently developing a Special Topics course on IPM for Spring Semester 2020 for the Fellow. The IPM Fellow will also design a research project, report results at an appropriate regional meeting and work with a cohort of other IPM Fellows in the participating states.

- **Northeast Vegetable and Small Fruit IPM Working Group 2018**. Designed, organized and led a two-day workshop for vegetable and small fruit extension specialists, growers and researchers to review current and emerging pests and diseases and set future priorities for the research, education and regulatory priorities. 12.17-18.18
  Agenda and participants:
  Notes: https://www.northeastipm.org/neipm/assets/File/VegIPMWG/VegIPMWG-2018-Notes.pdf
  Survey: https://www.northeastipm.org/neipm/assets/File/VegIPMWG/VegIPMWG-2018-Meeting-Survey.pdf
  Priorities Summary: https://www.northeastipm.org/neipm/assets/File/VegIPMWG/VegIPMWG-2018-Summary-of-Priorities.pdf

- **Pesticide Education and Safety Program-**Responsible for developing agendas, leading and evaluating the annual Initial Certification Meeting (2 locations in VT) and the annual Commercial Pesticide Applicators Meeting for Field and Forages. https://www.uvm.edu/extension/psep

Newsletters:

Regular contributor to state and regional newsletters and listserves. I edit, write articles and quizzes for the *The Pesticide Applicator Report* (1,200 applicators) in cooperation with VT Agency of Ag, Food and Markets. I write an article, "Under the Lens" for each quarterly VT Greenworks Newsletter, *The Dirt* (VT nursery and landscape

organization, 350 members). I also contribute to the bi-weekly VT Veg and Berry listserv and *Agriview Newsletter* with a "From the PDC" column (330 farms, 450 growers); contribute to the weekly *UMass Vegetable Notes Newsletter* (2,120 growers in NE) and the Master Gardener website and newsletter https://mailchi.mp/99cbfe0f5bf2/uvm-extension-master-gardener-program-news-july-2019 in addition to contributing to the Vermont Forest Health. Insect and Disease Observations online newsletter. https://fpr.vermont.gov/forest/forest-health/current-forest-health-issues-and-updates

Pesticide Applicator Report Newsletter. (Hazelrigg, A.) Newsletter, Collaboration between VT Agency of Ag and UVM. Newsletter is bi-annual and includes the latest pesticide and pest information for approximately 1,200 Vermont Certified Pesticide Applicators. Develop, edit, review content, write articles and quizzes eligible for Vermont pesticide recertification credits. 2001-present http://pss.uvm.edu/pesp/PAR/index.html

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- Hazelrigg, A. Pesticide Applicator Report. Fall 2019, Volume 20 Issue 2. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PAR_2019Fall.pdf
- Hazelrigg, A. Pesticide Applicator Report. Spring 2019, Volume 20 Issue 1 https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PAR_2019Spring.pdf
- Hazelrigg, A. Pesticide Applicator Report. Fall 2018, Volume 19 Issue 2 https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PAR_2018Fall.pdf
- Hazelrigg, A. Pesticide Applicator Report. Spring 2018, Volume 19 Issue 1 https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PAR_2018Spring.pdf
- Hazelrigg, A. Pesticide Applicator Report. Fall 2017, Volume 18 Issue 2 https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PAR-2017Fall.pdf
- Hazelrigg, A. Pesticide Applicator Report. Spring 2017, Volume 18 Issue 1 https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PAR-2017Spring.pdf
- Hazelrigg, A. Pesticide Applicator Report. Spring 2016, Volume 17 Issue 1 https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PAR-2016Spring.pdf
- Hazelrigg, A. Pesticide Applicator Report. Fall 2015, Volume 16 Issue 2. Use of water-sensitive paper to assess your spray applications. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PAR-015Fall.pdf
- Hazelrigg, A. Pesticide Applicator Report. Winter 2014-2015, Volume 16 Issue 1. Chemical Resistant Personal Protective Equipment. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PAR-2015Feb.pdf
- Hazelrigg, A.L. Pesticide Applicator Report. Winter 2013/2014, Volume 15 Issue 2. Pesticide Formulations. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PAR-2013Fall.pdf
- Hazelrigg, A.L. Pesticide Applicator Report. Spring 2013, Volume 15 Issue 1. Applying Pesticides in Hot Weather. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PAR-2013Spring.pdf
- Hazelrigg, A.L. Pesticide Applicator Report. Fall 2012, Volume 14 Issue 2. Considerations for Avoiding Off-Target Movement of Pesticides. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PAR-2012Fall.pdf
- Hazelrigg, A.L. Pesticide Applicator Report. Spring 2012, Volume 14 Issue 1. Reducing Your Exposure When Others Use Pesticides. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PAR-2012Spring.pdf

- Hazelrigg, A.L. Pesticide Applicator Report. Fall 2011, Volume 13 Issue 2. Plan Today for Tomorrow's Flood. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PAR-2011Fall.pdf
- Hazelrigg, A.L. Pesticide Applicator Report. Spring 2011, Volume 13 Issue 1. Plant Diseases 101. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PAR-2011Spring.pdf
- Hazelrigg, A.L. Pesticide Applicator Report. Fall 2010, Volume 12 Issue 2. Nutrient Deficiencies in Plants. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PAR-2010Fall.pdf
- Hazelrigg, A. Pesticide Applicator Report. Spring 2010, Volume 12 Issue 1. Late Blight, a Review of Last Season and New Outbreaks. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PAR-2010Spring.pdf
- Hazelrigg, A. Pesticide Applicator Report. Fall 2009, Volume 11 Issue 2. Integrated Pest Management, How To. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PAR-2009Fall.pdf
- Hazelrigg, A. Pesticide Applicator Report. Spring 2009, Volume 11 Issue 1. History of Pesticides. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PAR-2009Spring.pdf
- Hazelrigg, A. Pesticide Applicator Report. Winter 2008, Volume 10 Issue 2. Toxicity of Pesticides. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PAR-2008Dec.pdf
- Hazelrigg, A. Pesticide Applicator Report. Summer 2008, Volume 10 Issue 1. Pesticides and Pets. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PAR-2008June.pdf
- Hazelrigg, A. Pesticide Applicator Report. Winter 2007, Volume 9 Issue 2. Results and Implications of the Agricultural Health Study. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PAR-2007Dec.pdf
- Hazelrigg, A. Pesticide Applicator Report. Summer 2007, Volume 9 Issue 1. Safe Disposal of Pesticides and Containers. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PAR-2007June.pdf
- Hazelrigg, A. Pesticide Applicator Report. Fall 2006-7, Volume 8 Issue 3. Choosing the Right Gloves for the Job. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PAR-2006Dec.pdf
- Hazelrigg, A. Pesticide Applicator Report. Spring 2006, Volume 8 Issue 2. Pesticide Drift. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PAR-2006June.pdf
- Hazelrigg, A. Pesticide Applicator Report. Winter 2006, Volume 8 Issue 1. First Aid and Pesticide Poisonings. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PAR-2006Jan.pdf
- Hazelrigg, A. Pesticide Applicator Report. Summer 2005, Volume 7 Issue 1. News from the University of Vermont Extension Service. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PAR-2005July.pdf
- Hazelrigg, A. Pesticide Applicator Report. Summer 2004. Volume 6 Issue 2. Brown Root Rot Disease of Alfalfa-A New Disease for Vermont? https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PAR-2004June.pdf
- Hazelrigg, A. Pesticide Applicator Report. Fall 2003, Volume 5 Issue 2. News from the University of Vermont Extension Service. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PAR-2003Nov.pdf
- Hazelrigg, A. Pesticide Applicator Report. Spring 2003, Volume 5 Issue 1. News from the University of Vermont Extension Service. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PAR-2003May.pdf

- Hazelrigg, A. Pesticide Applicator Report .Fall 2002, Volume 4 Issue 2. News from the University of Vermont Extension Service. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PAR-2002Nov.pdf
- Hazelrigg, A. Pesticide Applicator Report. Summer 2002, Volume 4 Issue 1. News from the University of Vermont Cooperative Extension Service. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PAR-2002July.pdf
- Hazelrigg, A. Pesticide Applicator Report. Fall 2001, Volume 4 Issue 3 and 4. News from the University of Vermont Cooperative Extension Service. https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PAR-2001Nov.pdf
- Hazelrigg, A. Pesticide Applicator Report. Summer 2001, Volume 3 Issue 1 and 2. News from the University of Vermont Cooperative Extension Service. http://pss.uvm.edu/pesp/PAR/v3i12Jul2001.pdf
- https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PAR-2001July.pdf

Vermont Greenworks Newsletter, *The Dirt*. (K. MacKulin). Quarterly magazine for 350 VT Nursery and Landscape Association (VNLA)/Green Works members and associates. Write an article "Under the Lens" for each issue with information on current and emerging diseases and pests of trees and shrubs in Vermont and the region. 2012-present. https://greenworksvermont.org/news-events/the-dirt/

- Hazelrigg, A. Spring 2020, Vol 46 Issue 1. https://www.scribd.com/document/460055771/Spring-Issue-of-the-Dirt-2020#from_embed
- Hazelrigg, A. Fall 2019, Vol 45 Issue 3. https://www.scribd.com/document/437940059/FALL-Issue-of-the-Dirt-2019#from_embed
- Hazelrigg, A. Summer 2019, Vol 45 Issue 2. https://www.scribd.com/document/427760776/SUMMER-Issue-of-the-Dirt-2019
- Hazelrigg, A. Spring 2019, Vol 45 Issue 1. https://www.scribd.com/document/412058241/VNLA-Green-Works-Spring-Issue-of-the-Dirt-2019#download&from_embed 36pgs
- Hazelrigg, A. Winter 2019, Vol 44 Issue 4. https://www.scribd.com/document/412058276/VNLA-Green-Works-Winter-Issue-of-the-Dirt-2018-19 36pgs
- Hazelrigg, A. Fall 2018, Vol 44, Issue 3. https://www.scribd.com/document/394898065/FALL-Issue-of-the-Dirt-2018 28pgs
- Hazelrigg, A. Summer 2018, Vol 44 Issue 2. https://www.scribd.com/document/385574325/SUMMER-Issue-of-the-Dirt-2018 28 pgs
- Hazelrigg, A. Spring 2018, Vol 44 Issue 1. https://www.scribd.com/document/378190749/SPRING-Issue-of-the-Dirt-2018 28 pgs
- Hazelrigg, A. Winter 2017. Vol 44 Issue 1. https://www.scribd.com/document/375721581/Winter-Issue-of-the-Dirt-2017 28pgs
- Hazelrigg, A. Fall 2017, Vol 43 Issue 3. https://www.scribd.com/document/363399978/Fall-Issue-of-the-Dirt-2017 32 pgs
- Hazelrigg, A. Summer 2017, Vol 43 Issue 2. https://www.scribd.com/document/360623142/Summer-Issue-of-the-Dirt-2017-pdf 28pgs
- Hazelrigg, A. Spring 2017, Vol 43 Issue 1. https://www.scribd.com/document/375721581/Winter-Issue-of-the-Dirt-2017 28pgs
- Hazelrigg, A. Fall 2016, Vol 42 Issue 3. https://www.scribd.com/document/375725275/Fall-Issue-of-the-Dirt-2016 28pgs
- Hazelrigg, A. Summer 2016, Vol 42 Issue 2. https://www.scribd.com/document/375725120/Summer-Issue-of-the-Dirt-2016 24pgs
- Hazelrigg, A. Spring 2016, Vol 42 Issue 1. https://www.scribd.com/document/320076628/Spring-Issue-of-the-Dirt-2016 28pgs
- Hazelrigg, A. Fall/Winter 2015-2016, Vol 41 Issue 4. https://www.scribd.com/document/319989196/Winter-Issue-of-the-Dirt-2015-16 24pgs

- Hazelrigg, A. Fall 2012, Vol. 38 Issue 3. https://greenworksvermont.org/wp-content/uploads/2010/02/Fall-Issue-of-The-Dirt-2012-sm.pdf 24pgs

Vegetable and Berry listserve column in Agriview. (V. Grubinger). I contribute "From the Plant Diagnostic Clinic" to the bi-weekly newsletter that includes pest and disease updates for Vermont and regional vegetable and berry growers. Reaches 450 growers from 330 farms plus companies, universities and agencies in Vermont and New England. 2008-present. http://agriculture.vermont.gov/news_media/agriview
https://cloud.agriculture.vermont.gov/agriview/08.2019/mobile/index.html#p=1

UMASS Vegetable Notes Newsletter. (Campbell-Nelson, K.)
Weekly contributor to the online newsletter "UMASS Veg Notes" on pests and diseases on vegetable farms reaching 2,128 New England commercial growers, university researchers, industry personnel, crop consultants and extension personnel. 2014-present. https://ag.umass.edu/vegetable/newsletters.

Across the Fence Television Programs:

Longest running Extension TV program reaching 20,000 viewers. Since 2015 I have presented a seasonal monthly program on current and emerging pests and diseases in the garden and landscape with Dr. Leonard Perry, retired UVM Ornamental Horticulturist.

2020

- Spring Gardening Tips (4.3.20) Leonard Perry and Ann Hazelrigg-scheduled

2019

- Clubroot Disease in Nepal (12.02.19) Ann Hazelrigg https://youtu.be/-AD_eyCkkos
- Culture of Nepal (12.03.19) Ann Hazelrigg https://youtu.be/pxrdWaVBas8
- Late Fall Garden Tips (10.18.19) Leonard Perry and Ann Hazelrigg https://youtu.be/mtVia9hW7iQ
- Fall Garden Tips (9.20.19) Leonard Perry and Ann Hazelrigg https://youtu.be/nKqTvrym7w4
- Late Summer Garden Tips (8.16.19) Leonard Perry and Ann Hazelrigg https://youtu.be/UqsyTyFYd8Y
- Summer Garden Tips (7.26.19) Leonard Perry and Ann Hazelrigg https://youtu.be/DvTMOSHpjFc
- Spring Garden Tips (6.21.19) Leonard Perry and Ann Hazelrigg https://studio.youtube.com/video/j45EpLa9Hw4/edit
- Early Spring Garden Tips (5.29.19) Leonard Perry and Ann Hazelrigg https://studio.youtube.com/video/AdYqcYCSotI/edit

2018

- Late Fall Garden Tips (16min, 11.18) Leonard Perry and Ann Hazelrigg https://www.youtube.com/watch?v=M7pevzDBDO8
- Fall Garden Tips (16min, 10.18) Leonard Perry and Ann Hazelrigg https://www.youtube.com/watch?v=DkRSyd1dfow
- Late Summer Garden Tips (16min, 8.18) Leonard Perry and Ann Hazelrigg https://www.youtube.com/watch?v=-VnUO4zQokU
- Summer Landscape Tips (16min, 7.18) Leonard Perry and Ann Hazelrigg https://www.youtube.com/watch?v=Q362fIR_rUU
- Midsummer Landscape Tips (16min, 6.18) Leonard Perry and Ann Hazelrigg https://www.youtube.com/watch?v=EAUUtukwouk

- May Garden Tips (16min, 5.18) Leonard Perry and Ann Hazelrigg https://www.youtube.com/watch?v=ROfi7lsUR-k
- Early Season Garden Tips (16min, 4.18) Leonard Perry and Ann Hazelrigg https://www.youtube.com/watch?v=Qk6UkY_e-Uo

2017

- October Garden tips (16min, 10.17) Leonard Perry and Ann Hazelrigg https://www.youtube.com/watch?v=oCMzDsH1vTA
- September Garden tips (16min, 9.17) Leonard Perry and Ann Hazelrigg https://www.youtube.com/watch?v=9Mv8l5S2TMY
- August Garden tips (16min, 8.17) Leonard Perry and Ann Hazelrigg https://www.youtube.com/watch?v=Z3WGhxslYms
- July Garden tips (16min, 7.17) Leonard Perry and Ann Hazelrigg https://www.youtube.com/watch?v=ihUeP1NqQTE
- June Garden tips (16min, 6.17) Leonard Perry and Ann Hazelrigg https://www.youtube.com/watch?v=l2PHoCJsrk8
- May Garden tips (16min, 5.17) Leonard Perry and Ann Hazelrigg https://www.youtube.com/watch?v=b54SUOmtOgE

2016

- Garden and Landscape tips (16min, 10.16) Leonard Perry and Ann Hazelrigg https://www.youtube.com/watch?v=ApAddmue4XA
- Garden Tips for September (16min, 9.16) Leonard Perry and Ann Hazelrigg https://www.youtube.com/watch?v=9IlqobVNcZ0
- Garden Tips for August (16min, 8.16) Leonard Perry and Ann Hazelrigg https://www.youtube.com/watch?v=BX2n6_-QiEQ
- Mid-Summer Gardening Tips, (16min, 7.16) Leonard Perry and Ann Hazelrigg https://www.youtube.com/watch?v=ZpeZ1XnwIf4
- Early June Gardening Tips, (16min, 6.16) Leonard Perry and Ann Hazelrigg https://www.youtube.com/watch?v=51-XKI7lkk4
- Early Season Garden Tips (16min, 5.16) Leonard Perry and Ann Hazelrigg https://www.youtube.com/watch?v=8p8czJxXdkw
- Early Season Garden Prep (16min, 4.16) Leonard Perry and Ann Hazelrigg https://www.youtube.com/watch?v=_i9ZScBdyWg

2015

- Fall Landscape and Garden Tips (16min, 10.15) Leonard Perry and Ann Hazelrigg https://www.youtube.com/watch?v=HGYXHN1xhb0
- Early Fall Landscape and Garden Tips (16min, 9.15) Leonard Perry and Ann Hazelrigg https://www.youtube.com/watch?v=15jBcM3wErc
- Late Summer Landscape and Garden Tips (16min, 8.15) Leonard Perry and Ann Hazelrigg https://www.youtube.com/watch?v=woX3FThx0cc
- Mid Summer Landscape and Garden Tips (16min, 7.15) Leonard Perry and Ann Hazelrigg https://www.youtube.com/watch?v=cjhF90DPqRE
- Early Summer Landscape and Garden Tips (16min, 6.15) Leonard Perry and Ann Hazelrigg https://www.youtube.com/watch?v=V3j4ExtUdSQ

2014-2007

- UVM's Ann Hazelrigg on Spring Planting & Diseases and Hoop Houses. 5.5.13. Ann Hazelrigg https://www.youtube.com/watch?v=dRzMrIjGbcE
- UVM Plant Diagnostic Clinic Director Ann Hazelrigg Discusses Fungal Leaf Spots, and a Segment on Greenhouse Installation at the UVM Horticultural Research Center. 3.21.13. http://www.uvm.edu/extension/atfence/magicscript.php?s=ann+hazelrigg&submit=Search
- Hazelrigg A. Farming in Nepal. 7.22.12
- Hazelrigg, A. Winrock International's Farmer to Farmer Program in Nepal. 6.29.12. http://www.uvm.edu/extension/atfence/?m=201206
- Hazelrigg, A. New and Invasive Pests and Diseases. 5.18.12
- Hazelrigg, A. Understanding and Preparing for Late Blight. 4.6.10
- Hazelrigg, A. Late Blight and What You Can Do About It. 8.11.09
- Hazelrigg, A. Controlling Common Insects and Diseases in Your Garden. 7.1.09
- Hazelrigg, A. UVM Extension and Gayle Finkelstein, Northern New England Poison Center. Pesticide Education: What is in Your House? 10.11.07
- Ann Hazelrigg and Donna Covais, Horticultural Therapist, The Joy of Indoor Houseplants. 10.10.07

Press/Radio:

- Hazelrigg, A. UVM Extension helps Nepali Farmers https://www.uvm.edu/newsstories/news/uvm-extension-helps-nepali-farmers 11.14.19
- Hazelrigg, A. St. Albans Messenger. UVM Extension helps Nepali farmers https://www.samessenger.com/online_features/lawn_and_garden/uvm-extension-helps-nepali-farmers/article_302b1cbc-105c-11ea-acd9-03e4ba8b19e6.html 11.26.19
- Hazelrigg, A. WDEV Radio. UVM PSA. Tomato fungal diseases. 7.19
- Hazelrigg, A. Slime Molds. 8.19 https://www.uvm.edu/newsstories/news/slime-molds
- Hazelrigg, A. and Kingsley-Richards, S. A new educational opportunity for VT pesticide applicators. 7.19
- Hazelrigg, A. WDEV Radio UVM PSA. Crabapple diseases. 10.18
- Hazelrigg, A. Nuisance Pests in Homes, carried by Times Argus and Rutland Herald, Shelburne News, Stowe News. 2.18
- The Thirty-Interview with WCAX Nuisance Pests. 4.12.18
- First Grape Pest Management Strategic Plan. Winter, 2018 https://www.northeastipm.org/ipm-in-action/current-news/first-grape-pest-management-strategic-plan-now-available-for-the-northeast/
- NE IPM Center. Press release from Cornell on the publication. Winter, 2018 https://fruit.cornell.edu/2018/01/19/grape-pest-management-strategic-plan-for-the-northeast-released
- Hazelrigg, A. 2017. Spotted Wing Drosophila Causes Problems for Home Gardeners. 7.17 https://www.uvm.edu/newsstories/news/spotted-wing-drosophila-causes-problems-home-gardeners
- Egan, J. The ten states that dig gardening the most (according to Google). Gardening. 3.29.16 https://www.lawnstarter.com/blog/blog/gardening-2/top-states-for-gardening/ /(interviewed for article)
- Press related to Strawberry Pest Management Strategic Plan in the Northeast 2015 in Vegetable Grower News. 1.28.16. http://vegetablegrowersnews.com/news/northeast-small-fruit-ipm-working-group-publishes-strawberry-pmsp/
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Featured Articles:

- **Sorkin, L.** Modern Farmer Magazine. 2016. Extension Agents: The Unsung Heroes of the Agricultural World https://modernfarmer.com/2016/06/cooperative-extension/ This article in a popular national farming magazine featured Hazelrigg as an unsung hero in Extension in the US.
- **C. Coker, D. Goosen, J. Kelly, A. Hazelrigg, G. Maia.** Persistent Herbicides Update-Prevalence may be greater than previously thought. March/April 2016 BioCycle Magazine. https://www.biocycle.net/ This national magazine article described the work I did for the VT Agency of Natural Resources to develop a compost bioassay for contaminated compost, a serious problem in the state in 2015.

New England Management Guides:

These Guides are critical tools for New England vegetable and berry growers that are available both in print and online. The Guides give crop- by-crop growing information including pest, weed and disease information on lifecycle and cultural management options along with current pesticide recommendations. Although time-consuming to produce, vet and edit to ensure recommendations are correct, they are invaluable to both conventional and organic growers in New England. I am one of 2-3 pathologists in New England that work on the disease sections.

- **New England Vegetable Management Guide**. Guide used by commercial vegetable growers throughout New England for disease and pest management recommendations. I have been a contributor and reviewer for the current pesticide and cultural management recommendations for the disease sections of the Guide. https://nevegetable.org/
- **New England Fruit Management Guide.** Guide used by commercial small fruit growers for disease and pest management recommendations. Contributor, reviewer and section editor for Strawberry disease sections with current pesticide and cultural management recommendations. https://ag.umass.edu/fruit/publications/new-england-small-fruit-management-guide
- **Northeast Vegetable and Strawberry Pest Identification Guide** 2019-responsible for updates/pictures for web-based publication http://ag.umass.edu/vegetable/publications/guides/northeast-vegetable-strawberry-pest-identification-guide

Northeast Pest Management Strategic Plans (PMSP):

I have taken the lead role in New England and the Northeast on several of the small fruit Pest Management Strategic Plans through successful competitive grant funding from the NE IPM Center. The PMSPs are critical tools used to develop priorities for the crop in education, regulation and research and are used to drive funded grants and projects. These documents are widely used by researchers, growers and the EPA to get a "snapshot" of the current disease, insect and weed issues and their management practices in a specific crop. EPA uses PMSPs to identify the impacts of the loss of certain pesticides in the management of specific pests. Each PSMP is preceded by a 2-3 day meeting that I convene with subject matter specialists (plant pathologists, entomologists, small fruit specialists) from Northeastern land grant universities, crop consultants, chemical company representatives and commercial conventional and organic growers from NY, MA, ME, NH, RI, CT and VT. This group contributes to content of the PMSP and will review and comment on the final product that is produced by UVM.

- **Hazelrigg, A.L. and S. Kingsley-Richards.** 2017 Grape Pest Management Strategic Plan for Northeast Growers. https://ipmdata.ipmcenters.org/documents/pmsps/Grape-PMSP-for-Northeast-2017.pdf 92 pgs.
- **Hazelrigg, A.L. and S. Kingsley-Richards.** 2015. Strawberry Pest Management Strategic Plan for Northeast Growers. https://www.northeastipm.org/neipm/assets/File/Strawberry-PMSP-2015.pdf 93 pgs.
- **Hazelrigg, A.L. and S. Kingsley-Richards.** 2011. New England Maple Sugarbush Pest Management Survey.
- **Hazelrigg, A.L. and S. Kingsley-Richards.** 2009. Raspberry Pest Management Strategic Plan for NE Growers. https://ipmdata.ipmcenters.org/source_report.cfm?sectionid=40&sourceid=97769 pgs
- **Hazelrigg, A.L. and S. Kingsley-Richards.** 2008 New England Pepper Pest Management Strategic Plan. https://ipmdata.ipmcenters.org/source_report.cfm?view=yes&sourceid=978 65 pgs
- **Hazelrigg, A.L. and S. Kingsley-Richards.** 2007 New England Strawberry Pest Management Strategic Plan. https://ipmdata.ipmcenters.org/source_report.cfm?sectionid=40&sourceid=1276 84pgs
- **Hazelrigg, A.L. and S. Kingsley-Richards.** 2006 New England High Bush Blueberry Pest Management Strategic Plan. https://ipmdata.ipmcenters.org/source_report.cfm?sectionid=40&sourceid=1049 78pgs

Grant funded research:

Pending:

- **Hazelrigg, A.** USDA APHIS. VT Agency of Agriculture, Food and Markets. Soybean Commodity Scouting Grant-5/1/20-4/1/21 **$14,000.**
  This grant funds bi-weekly trapping and scouting of import/export pests of soybeans in 10 fields in 5 counties in VT. Invited to submit proposal to VAAFM as part of competitive US Farm Bill Funding.
- **Hazelrigg, A.** USDA APHIS. VT Agency of Agriculture, Food and Markets. Corn Commodity Scouting Grant-5/1/20-4/1/21 **$14,000.**
  This grant funds bi-weekly trapping and scouting for import/export pests of tomato in 10 fields in 7 counties in VT. Invited to submit proposal to VAAFM as part of competitive US Farm Bill Funding.
- **Hazelrigg, A**. USDA APHIS. VT Agency of Agriculture, Food and Markets. Vegetable Commodity Scouting Grant-5/1/20-4/1/21 **$10,000.**
  This grant funds bi-weekly trapping and scouting for import/export pests of tomato in 10 fields in 7 counties in VT. Invited to submit proposal to VAAFM as part of competitive US Farm Bill Funding.
- Kolodinsky, J., Darby H., Gauthier, Pearce and **Hazelrigg.** USDA AFRI Sustainable Agricultural Systems. Addressing agricultural transition through the development of industrial hemp: from basic research to rural economic development. 2020-2025. **$10 million.**

Current:

- **Darby, H. (key personnel Hazelrigg).** NEIPM Center. Necessity is the mother of invention: innovative approaches to Northeastern hemp disease management. 3/1/20-2/28/22. **$49,565.**
- **Hooks, et al. (Co-PI Hazelrigg).** USDA AFRI ELI. An Undergraduate Integrated Pest Management (IPM) Training Program for the South and Northeast Regions. 9/1/2017-8/30/21. **$300,000.**
  This competitive national peer reviewed grant is to develop, fund, mentor and train a cohort of undergraduates in IPM based at land grant universities throughout the northeast and southern regions.

- **Hazelrigg, A.L.** USDA. Cornell. Northeast Plant Diagnostic Network. 9/1/20-8/31/21**. $18,260.** This competitive grant funds identification of Vermont pests, weeds and diseases and logging VT sample reports to the national database. Invited to submit proposal as a subaward.
- **Hazelrigg, A.L.** USDA eXtension. Vermont Pesticide Safety and Education Program. 10/1/20-9/30/21. **$20,000.** This competitive national grant funds the development of quizzes for recertification credits for an on-line educational tool (Structural Pest Control online training) for VT pesticide applicators. Invited to submit proposal
- **Hazelrigg, A.** USDA APHIS. VT Agency of Agriculture, Food and Markets. Apple Commodity Scouting Grant-5/1/19-4/1/20 **$14,000.**
  This grant funds bi-weekly trapping and scouting of import/export pests of apple and stone fruits in 10 orchards in 7 counties in VT. Invited to submit proposal to VAAFM as part of competitive US Farm Bill Funding.
- **Hazelrigg, A.** USDA APHIS. VT Agency of Agriculture, Food and Markets. Tomato Commodity Scouting Grant-5/1/19-4/1/20 **$14,000.**
  This grant funds bi-weekly trapping and scouting for import/export pests of tomato in 10 fields in 7 counties in VT. Invited to submit proposal to VAAFM as part of competitive US Farm Bill Funding.
- **Hazelrigg, A**. USDA APHIS. VT Agency of Agriculture, Food and Markets. Corn Commodity Scouting Grant-5/1/19-4/1/20 **$10,000.**
  This grant funds bi-weekly trapping and scouting for import/export pests of corn in 7 fields in 5 counties in VT. Invited to submit proposal to VAAFM as part of competitive US Farm Bill Funding.
- **Hazelrigg, A.L.** USDA. Cornell. Northeast Plant Diagnostic Network. 9/1/19-8/31/20**. $20,560.** This competitive grant funds identification of Vermont pests, weeds and diseases and logging VT sample reports to the national database. Invited to submit proposal as a subaward.
- **Hazelrigg, A.L.** USDA eXtension. Vermont Pesticide Safety and Education Program. 10/1/19-9/30/20. **$20,000.** This competitive national grant funds the development of an on-line educational tool (Structural Pest Control online training) for VT pesticide applicators. Invited to submit proposal
- **Hazelrigg, A., PI,** USDA NIFA Vermont IPM Extension Implementation Program: 2017-2020. 9/1/17-8/31/20. (CO PI: Darby, H., Bradshaw, T., Skinner, M.) **$822,393.**
  This competitive national peer reviewed grant funds IPM initiatives in Vermont in agronomy, fruit, nursery and greenhouse, consumer horticulture, plant diagnostics, pesticide education and pollinator health. **Rated Outstanding.**
- Darby, H. **and Hazelrigg, A.L.** USDA NIFA Organic Seed Alliance Grant (OREI). Strengthening Organic Grains Breeding and seed systems. 9/30/16-9/30/20. **$337,684-VT.**
  This competitive national peer reviewed grant funds work on organic seed treatments in grains.
- **Hazelrigg, A.L.** USDA eXtension. Vermont Pesticide Safety and Education Program. 10/1/18-9/30/19. **$20,000.**
  This competitive national grant funds the development of an on-line educational tool (Structural Pest Control online training) for VT pesticide applicators. Invited to submit proposal.
- **Hazelrigg, A.L**. USDA. Cornell. Northeast Plant Diagnostic Network. 9/1/18-8/31/19. **$20,560.**
  This competitive grant funds identification of Vermont pests, weeds and diseases and logging VT sample reports to the national database. Invited to submit proposal as a subaward.
- **Hazelrigg, A.** VT Agricultural Experiment Station (AES). Organic Seed treatments in Carrots. 2016. 10/1/16-9/30/20. **$45,000.** This competitive peer reviewed UVM grant examines the use and impacts of steam treatment of carrot seed on foliar leafspot disease.

Past:

- Mallory, E. et al. **(Hazelrigg, A.L. Key Personnel).** USDA NIFA Organic Seed Alliance Grant (OREI). Helping Farmers Design Durable Organic Grain Systems-Innovative Sowing, cultivation and rotation strategies to address weed, fertility and disease challenges in organic food and feed grains. 9/1/15-8/31/19. **$999,120 ($399,297-VT).**This competitive national peer reviewed grant includes scouting and management of diseases and pests of organic grains.

- **Hazelrigg, A.** USDA APHIS. VT Agency of Agriculture, Food and Markets. Apple and Tomato APHIS survey. 5/1/18-4/31/19. **$28,126.**
- Darby, H., Gupta, A., Lewins, S., Izzo, V., **Hazelrigg, A.** UVM Seed Grant. Brassica Cover crops. Assessment of the risks and opportunities for the application of brassica cover crops. 3/1/18-4/1/18. **$5,000.**
  This competitive UVM grant provides seed dollars to UVM researchers to develop protocols and goals for a larger grant.
  This grant funds bi-weekly trapping and scouting for import/export pests of apple and tomato in 10 fields in 7 counties in VT. Invited to submit proposal to VAAFM as part of competitive US Farm Bill Funding.
- **Hazelrigg, A.** USDA. Cornell. Northeast Plant Diagnostic Network. 10/01/17-9/30/18. **$22,050.**
  This grant funds identification of Vermont pests, weeds and diseases and logging VT sample reports to the national database. Invited to submit proposal as a subaward.
- **Hazelrigg, A.** USDA eXtension. VT Pesticide Safety Education Program. 1/1/18-12/31/18. **$22,625.**
  This competitive national peer reviewed grant funded the development of an on-line educational tool (CORE pesticide manual) for VT pesticide applicators. Invited to submit proposal.
- **Hazelrigg, A.L.** USDA. NE-IPM Center. Grape Pest Management Strategic Plan (PMSP). 4/1/16-3/31/18. **$20,000.**
  This competitive regional peer-reviewed grant supported the development of a Grape PMSP, a valuable tool used by researchers, extension specialists and the EPA to drive programs, future grants and pesticide decisions. Over 20 researchers and extension specialists throughout the Northeast attended a two-day meeting to provide input on grape diseases, pests and weeds and their management. I used this information to publish the Northeast Grape PMSP 92 pgs document.
- Bradshaw, T.L. and **Hazelrigg, A.L.** USDA. NE-IPM Center. Unique IPM Needs in Northeast cider orchards. 4/1/16-3/31/18. **$48,426.**
  This competitive regional peer reviewed grant to identify and evaluate IPM approaches in regional cider orchards.
- **Hazelrigg, A.L.** CropLife-IMI Foundation. VT Pesticide Education and Safety Program. 1/14/14-12/31/17. **$85,000.**
  This competitive national peer reviewed grant funded options to improve and sustain Pesticide Education and Safety programs.
- **Hazelrigg, A., PI.** USDA NIFA. The Multi-disciplinary Vermont Extension IPM Program: Addressing Stakeholder Priorities and Needs. 9/1/14-8/30/17. (Co-PI Bradshaw, Skinner, Darby, Bosworth). **$577,691.**
  This competitive national peer reviewed grant funded IPM initiatives in agronomy, fruit, nursery and greenhouse, consumer horticulture and pest diagnostics.
- **Hazelrigg, A.** USDA APHIS. VT Agency of Agriculture, Food and Markets. Apple Pest Commodity Survey. 4/1/16-3/31/17**. $12,000.**
  Invited to submit proposal to VAAFM as part of competitive US Farm Bill Funding.
- **Hazelrigg, A.** USDA APHIS. VT Agency of Agriculture, Food and Markets. Grape Pest Commodity Survey. /1/16-3/31/17. **$10,100.**
  Invited to submit proposal to VAAFM as part of competitive US Farm Bill Funding.
- **Hazelrigg, A.,** PI. and S. Kingsley-Richards. USDA NE-IPM Center. Strawberry Pest Management Strategic Plan. 4/1/14-3/30/16. **$20,000.**
  This competitive regional peer reviewed grant supported the development of a Strawberry PMSP. Over 20 researchers and extension specialists throughout the Northeast provided input on strawberry diseases, pests and weeds and their management. This information resulted in a 93 pgs Northeast Strawberry PMSP document, a valuable tool used by researchers, extension specialists and the EPA to drive programs, future grants and pesticide decisions.
- Campbell-Smith, K, **A. Hazelrigg** and A. Radin. NE-IPM Center. New England Fruit and Vegetable Scouting Network. 4/1/14-3/30/16. **$49,380.**
  This competitive regional peer reviewed grant supported scouting on farms in VT, RI and MA and reporting pest and disease incidence in the weekly UMASS Veg Notes.
- **Hazelrigg, A.L.** VT Agricultural Experiment Station (AES). Comparison of Three Organic Apple Orchard Management Systems on Disease and Arthropod Pests. 5/30/13-8/31/16. **$60,000.**

This competitive peer reviewed UVM grant funded research on organic apple disease and pest management resulting in a dissertation and three peer-reviewed publications.

- Martinson, T.E., Bradshaw, T**.** and **Hazelrigg, A**. USDA SCRI. Northern grapes: Integrating viticulture, winemaking, and marketing of new cold-hardy cultivars supporting new and growing rural wineries. 9/1/14-8/31/16. **$2.6 million. ($48,133 VT).**
  This competitive national peer reviewed grant funded research on cold climate grapes.
- **Hazelrigg, A.L.** USDA pesticide Education and Safety Grant. 2/15/15-4/15/16. **$8,100**
  This national grant funded the efforts of the Vermont Pesticide Safety and Education program. Invited to submit proposal.
- Davis, T., Smith, Gallandt, **Hazelrigg,** Bosworth. Tri State Agriculture Experiment Station. Assessing the Potential for Emergence of New Cropland Weeds in Northern NE Region as a Consequence of Climate Change. 6/1/13-5/31/14-NCE 12/15). **$120,000.**
  This competitive regional peer-reviewed grant funded evaluating the implications of climate change on weed populations.
- **Hazelrigg, A.L.** VT Department of Agency of Natural Resources. Compost Bioassays for Persistent Pesticides.10/1/13-12/31/15. **$36,000.**
  Invited to submit proposal to Agency of Natural Resources to develop an assay to test compost for persistent pesticides.
- **Hazelrigg, A.L.** USDA Northeast Plant Diagnostic Network. Cornell. 10/01/14-9/30/15. **$19,560.**
  This grant funds identification of Vermont pests, weeds and diseases and logging incidence on the national database. Invited to submit proposal as a subaward.
- **Hazelrigg, A.L.,** PI USDA NIFA. A Comprehensive, Trans-disciplinary Vermont Extension IPM Program Addressing Stakeholder Priorities and Needs. 9/1/13-8/31/15. (Co PI: Bradshaw, Darby, Skinner, Bosworth) **$109,000.**
  This competitive national peer reviewed grant funded IPM efforts in agronomy, fruit, greenhouse crops, consumer horticulture and pest diagnostics.
- **Hazelrigg, A.** USDA. Cornell. Northeast Plant Diagnostic Network. 10/1/13-9/30/14. **$16,875**
  This grant funds identification of Vermont pests, weeds and diseases and logging incidence on the national database. Invited to submit proposal as a subaward.
- **Hazelrigg, A.** NE-IPM Center. NE Small Fruit IPM Working Group and Pest Issues Tour. 4/30/13-4/30/14. **$10,000**
  This competitive regional peer-reviewed grant supported a workshop and tour with 20 researchers and extension specialists throughout the Northeast to provide input on diseases, pests and weeds and their management.
- **Hazelrigg, A.**, USDA NIFA. A comprehensive interdisciplinary Vermont Extension IPM program addressing stakeholder priorities and needs. 9/1/11-8/31/13. (Co PI: Berkett, Bosworth, Darby and Skinner) **$379,012**
  This competitive national peer reviewed grant funded IPM efforts in agronomy, fruit, greenhouse crops, consumer horticulture and pest diagnostics.
- Bergstrom, G. Bradley, **Hazelrigg,** Hershman, Nagelkirk, Sweets, Wegulo**.** USWBSI. Effects of Till and No-Till Corn Maize on Fusarium Head Blight. 1/1/10-12/31/13. **$40,194**
  This national competitive peer reviewed grant compared tillage impacts on head blight.
- Mallory, E. Darby, Gallandt, Kersbergen, Camire, Bosworth, Halloran, Smith, **Hazelrigg,** Lambert. USDA-CREES. Organic Agricultural Research and Extension Initiative.7/1/11 3/30/13. **$1,389,871**
  This national competitive peer reviewed grant to study organic grain systems.
- **Hazelrigg, A.** VT Agricultural Experiment Station. Comparison of Three Organic Apple Orchard Management Systems on Disease and Arthropod Pests. 5/30/12-8/31/13. **$10,000**
  This competitive peer reviewed UVM grant funded research on organic apple disease and pest management resulting in a dissertation and three peer-reviewed publications.
- **Hazelrigg, A.** NE-IPM Center. Small Fruit IPM Working Group and Pest Issues Tour. 7/1/12-3/30/13. **$14,780**
  This competitive regional peer-reviewed grant supported a workshop and tour with 20 researchers and extension specialists throughout the Northeast to provide input on diseases, pests and weeds and their management.

- **Hazelrigg, A.** USDA. Cornell. Northeast Plant Diagnostic Network. 10/01/12-9/3-0/13. **$18,700**
  This grant funds identification of Vermont pests, weeds and diseases and logging incidence on the national database. Invited to submit proposal as a subaward.
- **Hazelrigg, A.** USDA. VT Pesticide Education and Safety Program.10/01/12-9/30/13. **$10,000**
  This national grant funded the efforts of the Vermont Pesticide Safety and Education program. Invited to submit proposal.
- Dill, J., Koehler**, Hazelrigg.** NE-IPM Center. SWD in New England-Rapid Response Training and Coordination. 7/1/11-3/31/12 **$9,993**
  This competitive regional peer-reviewed grant supported work on Spotted Wing Drosophila
- **Hazelrigg, A.** NE-IPM Center. Small Fruit IPM Working Group and Pest Issues Tour. 7/1/11-3/30/12. **$10,000.**
  This competitive regional peer-reviewed grant supported a workshop and tour with 20 researchers and extension specialists throughout the Northeast to provide input on diseases, pests and weeds and their management.
- **Hazelrigg, A.** USDA. Vermont Pesticide Safety Education Program. 9/1/11-8/31/12. **$10,000**
  This national grant funded the efforts of the Vermont Pesticide Safety and Education program. Invited to submit proposal.
- **Hazelrigg, A.** USDA. Cornell University. Northeast Plant Diagnostic Network. 7/1/11-6/30/12 **$23,000**
  This grant funds identification of Vermont pests, weeds and diseases and logging incidence on the national database. Invited to submit proposal as a subaward.
- **Hazelrigg, A.** University of Maine. PRO New England Pest Management Network.7/1/10-6/30/12. **$22,000**
  New England Maple Sugarbush Pest Management Survey. This competitive regional peer-reviewed grant supported the development sugarbush survey, a valuable tool used by growers, researchers, extension specialists and the EPA to drive programs, future grants and pesticide decisions.
- Berkett, L., **Hazelrigg,** Bosworth, Darby, Skinner. USDA NIFA. A Comprehensive, Interdisciplinary Vermont Extension IPM Program Addressing Stakeholder Priorities and Needs. 9/1/10-8/31/11. **$189,506**
  This competitive national peer reviewed grant funded IPM efforts in agronomy, fruit, greenhouse crops, consumer horticulture and pest diagnostics.
- **Hazelrigg, A.**USDA. Cornell University. Northeast Plant Diagnostic Network. 7/1/10-6/30/11. **$30,000**
  This grant funds identification of Vermont pests, weeds and diseases and logging incidence on the national database. Invited to submit proposal as a subaward.
- Berkett, L., **Hazelrigg,** Bosworth, Darby, Skinner. USDA NIFA. A Comprehensive, Interdisciplinary Vermont Extension IPM Program Addressing Stakeholder Priorities and Needs. 7/1/09-6/30/10. **$123,694**
  This competitive national peer reviewed grant funded IPM efforts in agronomy, fruit, greenhouse crops, consumer horticulture and pest diagnostics.
- **Hazelrigg, A.** University of Maine. PRO New England Pest Management Network.7/1/09-6/30/10. **$19,966**
  Raspberry Pest Management Strategic Plan for NE Growers. This competitive regional peer-reviewed grant supported the development of a Raspberry PMSP, a valuable tool used by growers, researchers, extension specialists and the EPA to drive programs, future grants and pesticide decisions. Over 20 researchers and extension specialists throughout the Northeast attended a two-day meeting to provide input on diseases, pests and weeds and their management. I used this information to publish the 2009 Northeast Raspberry PMSP
- **Hazelrigg, A.** USDA. Cornell University. Northeast Plant Diagnostic Network. 7/1/09-6/30/10. **$30,000**
  This grant funds identification of Vermont pests, weeds and diseases and logging incidence on the national database. Invited to submit proposal as a subaward.
- **Hazelrigg, A.** University of Maine. PRO New England Pest Management Network.1/1/08-8/14/09. **$23,567**
  New England Pepper Pest Management Strategic Plan.
  This competitive regional peer-reviewed grant supported the development of a Pepper PMSP, a valuable tool used by growers, researchers, extension specialists and the EPA to drive programs, future grants and pesticide decisions. Over 20 researchers and extension specialists throughout the Northeast attended a two-day meeting to provide input on diseases, pests and weeds and their management. I used this information to publish the 2008 Northeast Pepper PMSP
- **Hazelrigg, A.** USDA. Cornell University. Northeast Plant Diagnostic Network.7/1/08-06/30/09. **$30,000**

This grant funds identification of Vermont pests, weeds and diseases and logging incidence on the national database. Invited to submit proposal as a subaward.

- **Hazelrigg, A.** USDA. Cornell University. Northeast Plant Diagnostic Network.7/1/07-6/30/08. **$32,000**
  This grant funds identification of Vermont pests, weeds and diseases and logging incidence on the national database. Invited to submit proposal as a subaward.
- **Hazelrigg, A.** USDA APHIS. VT Agency of Agriculture, Food, and Markets: Nematode Sampling. 1/1/08-12/31/08. **$5,001**
  Invited to submit proposal to VAAFM as part of competitive US Farm Bill Funding.
- **Hazelrigg, A.** University of Maine. PRO New England Pest Management Network.1/1/07-8/14/08. **$24,000**
  New England Strawberry Pest Management Strategic Plan.
- **Hazelrigg, A.** University of Maine. PRO New England Pest Management Network.1/1/06-8/14/07. **$23,567**
  New England Blueberry Pest Management Strategic Plan
- **Hazelrigg, A.** USDA APHIS. VT Agency of Agriculture, Food, and Markets. Nematode Sampling. 1/1/07-12/31/07. **$7,218**
  Invited to submit proposal to VAAFM as part of competitive US Farm Bill Funding.
- **Hazelrigg, A.** USDA. Cornell University. Northeast Plant Diagnostic Network. 10/1/06-9/30/07**. $31,700**
  This grant funds identification of Vermont pests, weeds and diseases and logging incidence on the national database. Invited to submit proposal as a subaward.
- **Hazelrigg, A.**USDA. Cornell University. Northeast Plant Diagnostic Network. 10/1/05-9/30/06**. $23,600**
  This grant funds identification of Vermont pests, weeds and diseases and logging incidence on the national database. Invited to submit proposal as a subaward.
- **Hazelrigg, A.** USDA. Cornell University. Northeast Plant Diagnostic Network. 10/1/04-9/30/05**. $26,000**
  This grant funds identification of Vermont pests, weeds and diseases and logging incidence on the national database. Invited to submit proposal as a subaward.
- **Hazelrigg, A.** USDA. Cornell University. Northeast Plant Diagnostic Network. 10/1/02-9/30/04**. $30,000**
  This grant funds identification of Vermont pests, weeds and diseases and logging incidence on the national database. Invited to submit proposal as a subaward.

Service:

Graduate student committee member: Jessica Foster, PSS Masters' Degree graduate committee member. June 2019-present.

Review of Articles/Grant Panels:

- "Factors Contributing to Adoption of Agricultural Technologies: A Case of Integrated Pest Management (IPM) in Khulna District of Bangladesh" for International Journal of Pest Management-3.20.20
- IPM Southern Regional IPM Center (SIPMC) Enhancement Grant panel- 1.7.20
- International Journal for Remote Sensing Research Paper ID # TRES-PAP-2019-0940, entitled "Spectral characterization of fungal diseases downy mildew, powdery mildew, black-foot and petri disease on Vitis vinifera leaves". 10.10.19
- Pesticide Education and Safety Program (PSEP) IMI Grant panel. September-October 2019
- Selection of lettuce progenies resistant to root-knot nematode for organic crops" for Agronomy Journal. 4.30.19
- National Pesticide Safety and Education Program (PSEP) Stakeholder Grant Review Board-January 2019-present
- Urban and Community Forestry Council. Tree Stewards Awards. 4.18
- Canadian Grapevine Certification Network Review of grants. 9.17
    - Improving Yield and Grape Phenolic Content Estimation Using Aerial and Ground-based Multispectral Imagery

    - Spatial Characterization of Terroir and other Vineyard Attributes using GIS and Imaging Tools to Guide Precision Management for Water and Nitrogen and to Detect Infections by Virus and other Pathogens
    - Develop/adapt DNA-based pathogens and fungicides resistance monitoring tools
- Grant Panel Reviewer for SARE Graduate Student Grants for the Northeast Region. Fall 2017
- Grant Panel Reviewer for 2017 SARE Farmer Grants for Northeast Region. SARE. January, 2017
- Reviewer *Notulae Scientia Biologicae*. Improvement of soil properties, growth of cucumber and protection against Fusarium wilt by *Piriformospora indica* and two industrial organic wastes. 2017
- Reviewer for Agronomy Journal, "Current status of gender representation in faculty and leadership positions at land grant institutions, agricultural industry and USDA-ARS". July 2016
- Review of "What drives farmers to make top-down or bottom-up adaptation to climate change and fluctuations? A comparative study on 3 cases of apple farming in Japan and South Africa." PLOS ONE. 2014.
- Review of "Effectiveness of botanical formulations in enhancing promotion and bio-diversity preservation of nutritious vegetables in Nigeria." Journal of Basic and Applied Science. 2013
- Review of "Sustainable Pest Management in Greenhouses and High Tunnels." SARE Extension Factsheet. 2013
- Review of Biocontrol strategy to reduce asexual reproduction of apple scab (*Venturia inaequalis* Cooke) by using plant extracts. Crop Protection for Elsevier. 2012
- Grant Reviewer for Relevancy Panel Pest Management Alternatives Program (PMAP) for the NE IPM Center. 2010

University/College of Agriculture Service:

- **(Elected) Member**, (Experiment Station Representative) UVM Faculty Senate Curricular Affairs Committee. 2014-present. Meets monthly/academic year. 20 hr/year.
- **Chair,** UVM Psychology Department Review Committee. Met with the outside interviewers and Psychology department, submitted final report. Spring 2018. 4 hr/year.
- **Co-Chair,** UVM Anthropology new online BA in Anthropology with a minor in English or Writing. Winter 2019. 4hr/year.
- **Co-Chair,** UVM History Department Review Committee. Spring and Fall 2015. Met with the outside interviewers and History department, wrote final report. Spring and Fall 2015. 4 hr/year.
- **(Invited) Member**, UVM Sustainability Curricular Review Sub-Committee to develop Sustainability Learning Outcomes Matrix and review courses for SLO credits. Meets once per month through the academic year 2014-present. 1.5 hr/month.
- **(Invited) Member**, UVM Sustainable Faculty Fellows Program 6th cohort. 2014-2015. Met quarterly for 2 hours through the academic year in addition to a two-day retreat.
- **(Elected) Chair**, College of Agriculture and Life Science Academic Awards Committee and Distinguished Undergraduate Research Awards (DUR). 2011-2014. As chair, I spent several hours each year reviewing and mentoring student's proposals, their research projects and final papers.
- **Solicited,** received and coordinated construction of a Rimol high tunnel 30 ft X 72ft ($13,000 value) at the UVM Horticultural Research Center. 2012. 10 hours.
- **Co-Chair**, College of Agriculture and Life Science Academic Awards Committee. 2009-2010. 12hrs/yr.
- **Member,** CALS Farm Land Use Committee (Hort Farm Subgroup) 2009-present. Responsible for reviewing of proposals for land usage at the UVM Horticultural Research Farm. Met 2-4 times/yr.

PSS/Extension Department Service:

- **Guest Lecturer**-Invited to give several plant disease lectures each year in the Plant and Soil Science and PBIO Department including Intro to Agroecology, PSS 21; Turf Management, PSS 145; Plant Pathology, PSS 117; Agroecology of Vegetable Crops, PSS 124; Greenhouse Operations and Management, PSS 127; Composting Ecology and Management, PSS 154 and Professional Skills Colloquium, PSS 281. 2008-2019. 10 hr/semester.

- **IPM Fellow**-Student mentoring for 2 years as an IPM Fellow. 2019-2021. 15 hr/semester.
- **Faculty advisor** for four undergraduate and graduate students for semester-long PSS 195 special topics courses in Plant Pathology. 2011-2014. 10 hr/semester.
- **Faculty mentor** for a PSS undergraduate for Distinguished Undergraduate Research Project. Zachary Noel's 2013 UVM Distinguished Undergraduate Research Award, "Evaluation of the Efficacy of Natural Resistance in 'Honeycrisp' to Reduce Fungicide Applications for *Venturia inequalis* (Cooke) Wint. The project occurred over the course of 1.5 years. 2013. 5 hr/year.
- **Member**, Food Safety Extension Faculty Search Committee. 2010. Several hours/ 2mo.
- **Member**, Food Safety Extension Staff Search Committee. 2010. Several hours/2 mo.
- **Member,** College of Agriculture and Life Science Academic Awards Committee. 2005-2009. Several hours/ semester.
- **Faculty Advisor**, Common Ground Student Club. 2007-2009. Two hours/week through the growing season, 2 hours/ month through winter and spring. I would meet with students on a weekly basis at the Horticulture Farm to discuss farm plans, pest management and other issues that would arise. Students were from CALS and the greater university.
- **Member**, College of Agriculture and Life Science Farm Reorganization Committee. 2007-2008. 6/4 mo.

Professional Discipline-Related Service:

National Service:

- **(Chair)** PSEP Workgroup chair to review grants 5.7.20-present
- **Member,** Planning committee for national Pesticide Applicator Certification and Training (PACT) meeting Denver, CO. 2020. August 2019-present.
- **(Elected) Chair National IPM Coordinating Committee**-Organize, develop agenda and lead National 2019 meeting in DC with NIFA and EPA leadership, Chairs of regional IPM Centers and other stakeholders in the National IPM forefront. Lead quarterly conference calls on IPM issues. 10.23.18-present. 20 hr/yr.
- **(Chair-elect) National IPM Coordinating Committee**-10.22.17-10.23.18 8 hr/yr.
- **(Invited) National Plant Diagnostic Network** (NPDN) planning committee for 2019 national meeting pathology workshops. Indianapolis, IN. 9.1.18-4.15.19. 6 hr/yr.
- **Representative** of NEPDN at-Large member on the National Plant Diagnostic Network Operations Committee. 2016-2018. 5hr/yr.
- **Member,** American Association of Pesticide Safety and Education (AAPSE). 1995-present.
- **Member,** National Plant Diagnostic Network (NPDN). 2002-present.
- **Member,** International Society for Horticultural Science (ISHS). 2014-present.
- **Member,** American Association for the Advancement of Science (AAAS). 2014-present.
- **Member,** National Plant Diagnostic Network (NPDN) Plant Diagnostic Committee. 2002-present. 8hr/yr.
- **Member,** National Pesticide Taskforce. 2013-present. Teleconference to address pesticide education and safety program funding issues. 5hr/yr.
- **Member**, National Organic and IPM Working Group. 2014-present. 6 hr/yr.
- **Member,** American Phytopathological Society (APS). 1995-present.
- **Member**, American Society for Horticultural Science (ASHS). 2014-present.
- **Member,** Plant Diagnostic Committee-American Phytopathological Society. 2002-present. 2 hr/yr.
- **Member,** American Association of Pesticide Safety Educators (AAPSE) By Laws Committee. 2011-2013. 4 hr/yr.
- **Member,** Planning Committee for National Plant Diagnostic Network Meeting, California. 2010-2011. 10hr/yr.
- **Chair,** Local Arrangements, Northeastern Division American Phytopathological Society. 2006-2007. Selected hotel and meeting venues, worked with hotel staff and catering staff for the room and menu contracts for the three-day meeting. 10hr/yr.

- **Chair**, Symposium Committee, NE Division American Phytopathological Society 2003-4. Selected topics, speakers and agenda for the symposia. 8hr/yr.

State and Regional Service:

- **(Elected) Vice President** Northeast Division American Phytopathological Society. 3.15.20-3.15.21
- (Invited) Member. NH/VT Chestnut. May 2020.
- **Chair,** NE Pesticide Safety and Education Program meeting**.** Develop agenda, facilitate meeting in December 2019. June 2019-present. 10 hr/yr.
- **(Elected) Treasurer,** Northeast Division American Phytopathological Society. This will progress to Secretary-Treasurer for 2019-2020, Vice President for 2020-2021, and President for 2021-2022. April 2019-present. 15hr/year.
- **(Lead)** Northeast Vegetable and Small Fruit IPM Working Group**.** Designed, organized, led and evaluated: Two-day workshop held every other year for disease and pest vegetable and small fruit extension specialists and researchers to review pests and diseases and set future priorities for the research, education and regulatory priorities. 12.17.18 and 12.18.18. Oct. 2018-present. 10 hr/every other year.
  Agenda and participants: https://www.northeastipm.org/neipm/assets/File/VegIPMWG/VegIPMWG-2018-Notes.pdf
  Vegetable Survey, evaluation and priorities:
  Notes: https://www.northeastipm.org/neipm/assets/File/VegIPMWG/VegIPMWG-2018-Notes.pdf
  Survey: https://www.northeastipm.org/neipm/assets/File/VegIPMWG/VegIPMWG-2018-Meeting-Survey.pdf
  Priorities Summary: https://www.northeastipm.org/neipm/assets/File/VegIPMWG/VegIPMWG-2018-Summary-of-Priorities.pdf
- **(Invited) Member,** New England Greenhouse Conference Advisory Board**.** Develops and organizes the biennial regional meeting for New England. 2,000 attendees. 2017-present. 10hr/year.
- **(Invited) Member,** New England Grows, Advisory Board. 2016-2018. New England Horticultural tradeshow. Disbanded 2018.
- **(Invited) Member**, NE Vegetable and Fruit Growers Advisory Committee. Six meetings/year to plan agendas, select speakers and oversee the large event every 2 years. 2012-present. 20hr/year.
- **(Invited) Member**, VT Pesticide Advisory Council, VT Agency of Agriculture, Food and Markets. Responsible for reviewing and advising the VAAFM in pesticide issues and pesticide permits for rail and power line right–of-ways. Spring 2015-present. 20hr/yr.
- **Member**, Northeastern Division American Phytopathological Society (NEAPS). 1995-present.
- **Member,** VT Urban and Community Forestry Council. State Council meeting quarterly and advises program staff in determining the direction and implementation of the Urban and Community Forestry Program since 1991. Spring 2009-present. 20hr/yr.
- **(Elected) Chair**, VT Urban and Community Forestry Council. Lead the State Council meeting quarterly and advises program staff in determining the direction and implementation of the Urban and Community Forestry Program. Spring 2015-2018. 30hr/yr.
- **Chair**, Northeast Small Fruit IPM Working Group. I led this cohort of 20 extension, researchers, crop consultants from NY, MA, NH, VT, ME, RI, NJ and CT that addresses small fruit pest, weed and disease issues. 2009-2013. 25hr/yr.
- **Member**, Northeast Tree Fruit IPM Working Group. A cohort of NE extension, researchers and crop consultants from the NE and Quebec that addresses pest issues in tree fruits. 2012-present. 6hr/yr.
- **Member**, Northeast Region Technical IPM Committee-NEERA 1004. 2010-present. 12 hr/yr.
- **Invited Member**, VT Vegetable and Berry Technical Advisory Board. 2009-present. 8hr/yr.
- **Section Chair** Strawberry Diseases, *New England Fruit Management Guide.* 2015-2016. 15hr/yr.
- **Contributor***, New England Fruit Management Guide*. 2000-present. 15hr/yr.
- **Contributor**, *New England Vegetable Management Guide*. 2000-present. 15hr/yr.
- **Member,** Northeast Spotted Wing Drosophila Working Group. 2011-present. 4hr/yr.
- **Member**, Great Lakes IPM Vegetable Working Group. 2012-present. 5hr/yr.

- **Vice Chair**, VT Urban Forestry Council. Helped to set agenda for the Council meetings for 4 meetings/year. 2010-2014. 15 hr/yr.
- **Chair**, Northeast Region Technical IPM Committee-NEERA 1004. 2013-2014. 10hr/yr.
- **(Invited) Member**, Northeast IPM Center Advisory Board. 2011-2014. 10hr/yr.
- **(Invited) Member,** Regional search committee for Director of the Northeast IPM Center, Cornell. Teleconference and 2 days of interviews at Cornell. 2014. 20hr/yr.
- **Vice Chair**, Northeast Region Technical IPM Committee-NEERA 1004. 2012-2013. 8hr/yr.
- **(Invited) Member**, Northeast Vegetable IPM Working Group. 2005-2012. Group ended 2012. 10hr/yr.
- **Chair,** Northeast American Phytopathological Society Graduate Student Awards Committee. 2011-2013. 4hr/yr.
- **Member,** Northeast American Phytopathological Society Graduate Student Awards Committee. 2008-2013. 4hr/yr.
- **Member,** New England Community IPM Working Group. 2004-2012. 8hr/yr.
- **(Invited) Member**, Committee to develop Forestry First Detector Program. 2011-2012. 15hr/yr.
- **Invited Member**, Steering Committee for NOFA Winter 2010 Organic Pest Issues Conference developing, designing and implementing a three-day workshop for New England organic vegetable farmers. 2010. 10hr/yr.
- **Invited Member**, Act 125 VT Advisory Board for School Air Pollution/School IPM issues. 2004-2010. Met quarterly/year. 6 hr/year.
- **Invited Member**, NOFA-VT Technical Advisory Committee. 2009-2011. 4 hours/yr.

International Service:

- **Volunteer,** Catholic Relief Services, Farmer to Farmer-Nepal. NEP 212. Clubroot disease of Crucifers. 8.23.19-9.8.19
- **Volunteer,** Winrock Farmer to Farmer-Nepal. NEP158. Capacity Building of Vegetable Producers on Effective Pest Management. IPM basics, Tomato grafting hands-on workshop, compost basics and use of inoculated composts. Featured in a YOUTUBE video on volunteering for Winrock. https://www.youtube.com/watch?v=9T6A58fVGSY&feature=youtu.be 4.11.12-5.5.12.
- **Volunteer,** El Salvador. Asociación de Caficultores Orgánicos del Occidente de El Salvador (ACOES) Coffee Sustainability. August 2009
- **Volunteer,** Winrock Farmer to Farmer-Nepal. NEP120. Disease Management of Hybrid Tomato. 6.16.06-7.1.06
- **Volunteer,** Winrock Farmer to Farmer- NEP092. Integrated Pest and Disease Management in Vegetable Crops. 5.20.03-5.30.03
- **Volunteer,** Winrock Farmer to Farmer-India, IND101. IPM For Organic Fruits & Vegetables In Himachal Pradesh. 5.31.03-6.11.03
- **Volunteer,** Winrock Farmer to Farmer-India. IND 090. Integrated Pest Management (IPM) on vegetable Crops. 8.13.02-8.18.02
- **Volunteer,** Winrock Farmer to Farmer-India. IND 081. Integrated Pest Management (IPM) on Vegetable Crops. 8.5.02-8.12.02
- **Volunteer,** Winrock Farmer to Farmer-Nepal. NEP049. Improved Technique for Tomato Wilt Disease Control. 10.13.00-10.28.00
- **Volunteer,** Winrock Farmer to Farmer-Nepal. NEP050. Hybrid Tomato Production and Disease Management. 4.17.00-5.9.00
- **Volunteer,** Partners of the Americas Farmer to Farmer-Honduras. Sustainable Agriculture workshop. 1999

Professional Awards/Honors:

- **(Elected) Chair,** The National IPM Coordinating Committee membership (NIPMCC). 1.10.18-present

- **(Elected) Chair-elect.** The National IPM Coordinating Committee membership voted and selected Dr. Hazelrigg as its Chair Elect. Fall 2017.
- **(Elected) Treasurer** April 2019. Northeast Division, American Phytopathological Society. Will progress to Chair in 2021.
- **Hazelrigg Featured** in national magazine, Modern Farmer, in Unsung Heroes. Sorkin, L. Modern Farmer Magazine. 2016. Extension Agents: The Unsung Heroes of the Agricultural World https://modernfarmer.com/2016/06/cooperative-extension/
- **(Invited)** to join the Center for Research on Vermont. July 2019
- **(Invited)** UVM Sustainability Faculty Fellow. 2014-2015.
- **Distinguished Service Award** for VT Vegetable and Berry Growers. 2012