

ANNUAL REPORT

SEPTEMBER 1, 2021 - AUGUST 31, 2022



THE UNIVERSITY OF VERMONT

EXTENSION

PESTICIDE SAFETY EDUCATION PROGRAM

PRESENTATIONS (attendees)

- 2022 Vermont Tree Fruit Growers Association Annual Meeting 3/1/22 (21)
[Navigating USAPlants for pesticide credit records and courses](#)
- 2022 Commercial Pesticide Applicator Meeting, live online 3/28/22 (58)
[Updates on agricultural crops, pest management, and pesticide safety](#)
https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PSEP/PSEP_CommPest2022.pdf
IMPACTS:
 - 98% moderate/considerable (4% increase) general knowledge about PPE for Pesticides
 - 98% moderate/considerable (31% increase) general knowledge about Ag Container Recycling
 - 98% moderate/considerable (14% increase) general knowledge about Pesticide Risk to Pollinators
 - 94% moderately/very likely to apply and use pesticides more safely
 - 92% moderately/very likely to adopt at least one new IPM practice
 - 88% moderately/very likely to adopt at least one new IPM practice to protect pollinators
- 2022 Initial Pesticide Certification Meetings, White River Junction 4/19/22 (27), Burlington 4/21/22 (33)
[Review of the Northeast CORE Manual followed by the Vermont Pesticide Applicator CORE Exam](#)
https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PSEP/PSEP_InitialCert22.pdf
IMPACTS:
 - 87% moderately/well prepared (104% increase) to take the exam following the review session
 - 51% moderately/very likely to apply and use pesticides more safely
 - 81% moderately/very likely to adopt at least one new IPM practice
 - 89% moderately/very likely to adopt at least one new IPM practice to protect pollinators
 - “This was a very helpful review course to prepare for the exam.”
 - “Because I'm so new to the industry, this meeting has been very helpful.”
 - “Good overview of the regulations and strategies for pest management.”
 - “The manual itself is very extensive and this meeting does a great job of highlighting what's important.”
 - “This training helped me consider how to better buy, store, and apply pesticides on my farm.”**Test results:**
 - 43 tests graded
 - 4 failed
 - 91% pass rate
 - 100% pass rate for the Private Applicators
 - Quite a few got recert credits

- Extension Master Gardener Webinar 6/29/22 (20)

Mindful Pest Management

<https://youtu.be/b2HN88X4-7E>

IMPACTS:

- 100% moderate/considerable (49% increase) general knowledge about reading pesticide labels
- 91% moderate/considerable (214% increase) general knowledge about pesticide regulations
- 100% moderate/considerable (133% increase) general knowledge about pesticide exposure and risk
- 100% moderately/very likely to apply and use pesticides more safely
- 93% moderately/very likely to adopt at least one new IPM practice
- “Although you had a lot of ground to cover, I thought you did a fabulous job navigating the material at a good but thorough pace and your style was completely professional and inviting on a topic that is not always welcome – Well done!! And what a great refresher for our EMGs!!

PESTICIDE APPLICATOR REPORT

Biannual newsletter for Vermont’s Pesticide Applicators from the Vermont Agency of Agriculture, Food & Markets and University of Vermont Extension Pesticide Safety Education Program

- Fall 2021 https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PSEP/PAR_2021Fall.pdf
- Spring 2022 https://www.uvm.edu/sites/default/files/UVM-Extension-Cultivating-Healthy-Communities/PSEP/PAR_2022Spring.pdf

IMPACTS:

- 1574 subscribers
- 227 quizzes submitted: Fall 2021 (each quiz worth 1 recertification credit)
- 103 quizzes submitted: Spring 2022 (each quiz worth 1 recertification credit)

Biennial evaluation (Spring 2021) results:

- 92% apply and use pesticides more safely
- 56% adopt at least one new IPM practice
- “Good reminders of certain PPE considerations that applicators can become lax over time about.”
- “Helps me interact more wisely with [herbicide work] contractors.”
- “Reduce pesticide use through mechanical applications where possible.”
- “We're paying more attention to timing of treatment.”
- “The PAR is the only way I get exposure to the current information regarding pesticide use in VT.”

ARTICLES, FACT SHEETS & VIDEOS

Relevant information for proper and legal use and understanding of pesticides

- Mold Remediation Guidelines (embedded in Vermont Pesticide Education: Category 7F Manual Review online training)
https://campus.extension.org/pluginfile.php/898153/mod_resource/content/3/PSEP_FactSheet_MoldRemediation.pdf

PESTICIDE CREDIT ADMINISTRATION

Ensure pesticide credit approval, verify participant attendance requirements for credit, issue credit certificates, notify State Lead Agencies of credits issued

- 2022 Northeast Extension Fruit Consortium Winter Webinar Series (7 events)
 - 306 VT certificates @1 credit each
 - 180 participants certified
- 2022 Commercial Pesticide Applicator Meeting, live online 3/28/22
 - 58 VT certificates @4 credits each
 - 4 NY certificates @1.75 credits each
 - 60 participants certified
- Vermont Pesticide Safety Education: On-demand online training
 - 5 VT certificates @1 credit each

ON-DEMAND ONLINE TRAINING (participants)

Resources to help study for pesticide applicator exams and/or to provide recertification credits for certified pesticide applicators. Annual enrollment numbers.

<https://www.uvm.edu/extension/pseponline>

- Vermont Pesticide Safety Education: CORE Manual Review (no credit) (13)
IMPACTS:
 - 86% moderately/very prepared to take the exam (500% increase)
 - 100% moderately/very likely to apply and use pesticides more safely
 - 100% moderately/very likely to adopt at least one new IPM practice
- Vermont Pesticide Safety Education: CORE Manual Review, Unit #1 (1 credit) (1)
IMPACTS:
 - 100% moderately/very comfortable with the manual information (0% increase)
 - 100% moderately/very likely to apply and use pesticides more safely
 - 100% moderately/very likely to adopt at least one new IPM practice
- Vermont Pesticide Safety Education: CORE Manual Review, Unit #2 (1 credit) (0)
IMPACTS:
 - 100% moderately/very comfortable with the manual information (0% increase)
 - 100% moderately/very likely to apply and use pesticides more safely
 - na% moderately/very likely to adopt at least one new IPM practice
- Vermont Pesticide Safety Education: CORE Manual Review, Unit #3 (1 credit) (1)
IMPACTS:
 - 100% moderately/very comfortable with the manual information (0% increase)
 - 100% moderately/very likely to apply and use pesticides more safely

- 0% moderately/very likely to adopt at least one new IPM practice
- Vermont Pesticide Safety Education: CORE Manual Review, Unit #4 (1 credit) (0)
- Vermont Pesticide Education: Managing Pests While Protecting Pollinators (1 credit) (2)
 - IMPACTS:**
 - 100% moderately/very comfortable with the manual information (0% increase)
 - 100% moderately/very likely to apply and use pesticides more safely & adopt at least one new IPM practice
- Vermont Pesticide Education: Category 7A Manual Review (no credit) (5)
 - IMPACTS:**
 - 100% moderately/very comfortable with the manual information (100% increase)
 - 100% moderately/very likely to apply and use pesticides more safely
 - 100% moderately/very likely to adopt at least one new IPM practice
- Vermont Pesticide Education: Category 7A Manual Review, Unit #1 (1 credit) (0)
- Vermont Pesticide Education: Category 7A Manual Review, Unit #2 (1 credit) (0)
- Vermont Pesticide Education: Category 7A Manual Review, Unit #3 (1 credit) (0)
- Vermont Pesticide Education: Category 7A Manual Review, Unit #4 (1 credit) (2)
 - IMPACTS:**
 - 100% moderately/very comfortable with the manual information (100% increase)
 - 100% moderately/very likely to apply and use pesticides more safely
 - 100% moderately/very likely to adopt at least one new IPM practice
- Vermont Pesticide Education: Category 7F Manual Review (no credit) (2)