

The background of the slide features a large, faint, red circular seal of Rutgers University. The seal contains the text "RUTGERS UNIVERSITY" and "STATE UNIVERSITY" around its perimeter, with a central emblem.

RUTGERS

New Jersey Agricultural
Experiment Station

Pesticide Safety & Compliance Tools for Applicators & Growers

Patricia D. Hastings
Extension Pesticide Safety Education Program
Coordinator for New Jersey

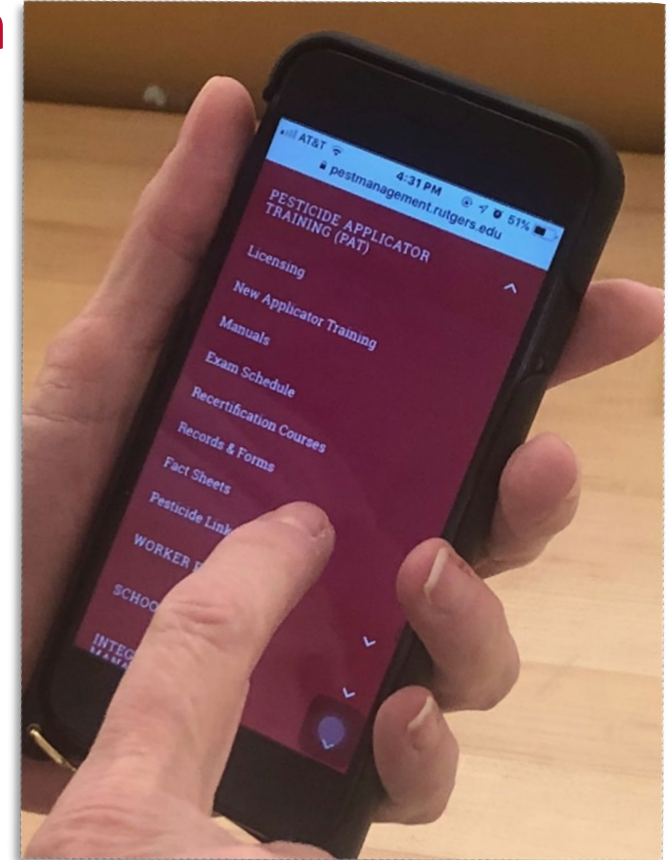
Rutgers Online Resources Pesticide Safety Education Program

Pesticide Applicator Training

- Licensing
- New Applicator Training
- ➔ • Manuals
- Exam Access
- ➔ • Recertification Courses
- Records & Forms
- Fact Sheets
- Pesticide Links

➔ Worker Protection

➔ Blog/PPA



“Rutgers PSEP”



How to Comply With the 2015 Revised Worker Protection Standard for Agricultural Pesticides

What Owners and Employers Need To Know



<http://pesticideresources.org/wps/htc/index.html>

QUICK REFERENCE GUIDE TO THE WORKER PROTECTION STANDARD (WPS) AS REVISED IN 2015

The WPS is a federal regulation designed to protect agricultural workers (people employed in the production of agricultural plants and products) and pesticide handlers (people mixing, loading, or applying pesticides or doing certain tasks involving direct contact with pesticides). Each section links to the Code of Federal Regulations (40 CFR, Sub 159) for more information on the revised WPS. (www.ecfr.gov)

The guide summarizes the maximum requirements under the revised WPS. It does not include exemptions and exceptions that may allow you to do less. See the referenced sections below.

Exemptions for workers ([159.303\(a\)](#) and [159.304](#))

Exemptions for early-entry workers during a restricted-entry interval ([159.303](#))

Exemptions for handlers ([159.301\(a\)](#))

Exemptions to PPE required on pesticide labels ([159.607](#))

Employer Responsibilities for Supervisors and Labor Contractors

Employers must provide sufficient information to supervisors and labor contractors to ensure compliance with the revised WPS. Specifically:

- The tasks supervisor/contractors must do
- The information they must provide to workers/handlers

Employers are liable for a penalty under FIFRA if a supervisor or labor contractor acting for them fails to comply with the revised WPS requirements. ([159.309\(a\)](#), [159.313\(a\)](#), [159.317\(a\)](#))

Duties for ALL Employers

These requirements apply to agricultural employers and commercial pesticide handler employers except the pesticide safety, application and hazard information requirements apply only to agricultural employers.

Anti-Retaliation
Employers must not retaliate against a worker or handler who attempts to comply with the WPS, files a complaint, or provides information in an investigation of alleged WPS noncompliance. ([159.315](#))

Minimum Age Requirements
1. Ensure that early-entry workers and all handlers are at least 18 years old. ([159.309\(a\)](#) and [159.313\(a\)](#))

Pesticide Safety, Application and Hazard Information
An agricultural employer must display or make certain information available on the establishment. Commercial pesticide handler employers do not have to comply with information display requirements.

- Display or make available all of the information listed in 4C together in an easily accessible ("central") location on the agricultural establishment. ([159.311\(a\)\(5\)](#) and [159.311\(a\)\(6\)](#))
- The information includes:
 - EPA WPS safety poster or equivalent information, which must include some additional information by January 2, 2018, and must be kept current. ([159.311\(a\)](#))
 - Application information that includes:
 - Product name, EPA registration number, and active ingredient
 - Crop or site treated, location and description of the treated area
 - Date, start and end times of the application, and duration of restricted-entry interval (REI). ([159.311\(a\)\(7\)](#))
 - A copy of the safety data sheet (SDS) for the formulated product for each WPS-labeled pesticide applied. ([159.309\(a\)](#) and [159.311](#))
- In addition, display the EPA WPS safety poster (or equivalent) where decontamination supplies are located at permanent sites and where decontamination supplies are provided for 11 or more workers. ([159.311\(a\)\(5\)](#))
- Allow workers and handlers unrestricted access to all of the information and keep all of the displayed information current and legible. ([159.311\(a\)\(6\)\(i\)](#) and [159.311\(a\)\(6\)\(ii\)](#))
- Display the EPA WPS safety poster or equivalent information before an application takes place and for 30 days after the REI expires. ([159.309\(a\)](#))
- Display the SDS and application information within 24 hours of the application and before workers enter treated areas. This information must be displayed for 30 days after the REI expires and kept in records on the agricultural establishment until 2 years after the REI expires. ([159.309\(a\)\(4\)](#) and [159.311\(a\)\(6\)\(a\)\(iv\)](#))
- Provide the SDS and application information upon request of a worker, handler, designated representative or medical personnel, within 15 days. ([159.311\(a\)\(6\)\(a\)\(v\)](#))

Pesticide Safety Training
Ensure that workers are trained before performing tasks in a pesticide treated area (REI) in which they will be working. ([159.303\(a\)](#)) There is no grace period for worker or handler training.

- Train workers and handlers personally. ([159.401\(a\)\(1\)](#) and [159.501\(a\)](#))
- Present training using EPA-approved materials either orally from written materials or audio-visually. After January 2, 2018, the training must cover additional topics. ([159.401\(a\)\(2\)](#) and [159.501\(a\)](#))
- Training must be delivered in a manner the employers can understand, and the trainer must be present and respond to questions. ([159.401\(a\)\(2\)](#) and [159.501\(a\)\(1\)](#))
- Maintain training records on the establishment for two years from the training date for each worker and handler required to be trained on the agricultural establishment. ([159.401\(a\)\(3\)](#) and [159.501\(a\)](#))

Continued on next column

This is a summary of the requirements. It does not contain all the information to comply with the revised WPS. Refer to the regulations where indicated for complete details.

<http://pesticideresources.org/wps/htc/compliance-requirement-schedule.pdf>

Rutgers-Recommended Resources for Agricultural Employers on our WPS webpages

Revised Worker Protection Standard Compliance Requirements January 2017

Training

- Annual training is required for workers and handlers.
- Worker training grace period is eliminated. Workers must be trained before they work in an area where a pesticide has been used or a restricted-entry interval has been in effect in the past 30 days.
- Trainers must be certified applicators or have completed an EPA-approved train-the-trainer program or be designated by the State or Tribal pesticide enforcement agency.
- Train-the-trainer programs and training materials must be EPA-approved.
- Employers must keep training records for 2 years and give a copy to workers and handlers upon request.

Hazard Communication

- Employers must display application information and safety data sheets (SDS) at a central location within 24 hours of end of application and before workers enter that treated area. Display both for 30 days after REI expires. Keep records of application information and SDS for 2 years from end of REI and make available to workers, handlers, designated representatives (identified in writing) or medical personnel upon request.

Basic Pesticide Safety Information

- Display pesticide safety information at a central location and at sites where decontamination supplies are located, if the decontamination supplies are at a permanent site or at a location with 11 or more workers.

Notification of Treated Areas

- Post warning sign if REI is greater than 48 hours (outdoor applications) or 4 hours (enclosed space applications), otherwise option for posting or oral notification unless label requires both ("double notification").
- Agricultural employer must provide information to a commercial pesticide handler employer on treated areas the commercial handler may be in (or walk within 1/4 mile of). Commercial pesticide handler employer must provide application-related information to agricultural employer before the application begins and provide updates for certain changes before the application and within 2 hours of end of application for most other changes, unless only change was less than 1-hour difference in application time.

Minimum Age

- Handlers and early-entry workers must be at least 18 years old. (Members of owner's immediate family are exempt from this and most other requirements of the WPS.)

Entry Restrictions during Application for Outdoor Production

- Ag employers must not allow entry into treated area or the application exclusion zone, which is an area up to 100 feet area around the application equipment during outdoor pesticide application on farms, forests, and nurseries. Size of the application exclusion zone depends on type of application. (See the WPS regulation for revised descriptions of application methods.)

Exemptions and Exceptions

- Only certified crop advisors are exempt from label-required PPE. Certified crop advisor employers must use label-required PPE or PPE substitutions allowed by the WPS while working in a field during an REI, and the employer must provide all required WPS protections. (PPE described below.)
- REI exception and notification requirements for early-entry workers: Notify early-entry workers of application specific, tasks to be performed, conditions of the early-entry exception, and hazard information from the pesticide label.

Personal Protective Equipment

- Respirators - Employer must provide respirator and fit testing, training, and medical evaluation that conforms to OSHA standards for any handler required to wear any respirator by the labeling. Require recordkeeping of completion of fit test, training, and medical evaluation.
- PPE exception for closed systems - Exceptions to labeling-specified PPE allowed for handlers when using closed systems. A closed system must meet a broad performance-based standard and basic operating standards (written operating instructions and training of handlers in use of the system) must be provided.
- PPE exception for crop advisors and their employees - Crop advisors and their employees entering treated areas while a REI is in effect to conduct crop-advisor tasks may wear a standard set of PPE (coveralls, shoes plus socks and chemical-resistant gloves made of any waterproof material, and eye protection if the labeling

<http://pesticideresources.org/wps/htc/compliance-requirement-schedule.pdf>



Trainer Qualifications

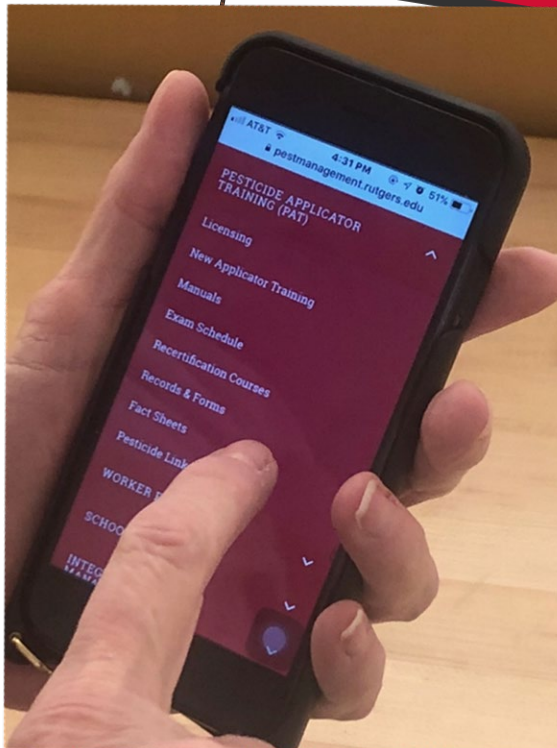
- **Certified applicators** (no handlers);
- State/Tribe/Federal-**designated**; **OR**
- **EPA-approved** Train-the-Trainer course



WPS Pesticide Safety Training

- Manner can understand
- Reasonably free of distraction
- Qualified trainer present at all times & respond to questions
- Curriculum must be EPA-approved Revised WPS content

DOWNLOAD WPS Pesticide Safety Training Videos



RUTGERS New Jersey Agricultural Experiment Station
Pest Management Office

Search this website

"Quick-Connect": EPA-approved Handler/Worker Training ** (NEW! Expanded Content)


Video (English) – Agricultural Worker and Handler Pesticide Safety Training ([MP4](#)). Iowa State University. May 11, 2017. Video for training agricultural workers about pesticides and the Revised Worker Protection Standard (WPS). This video satisfies the pesticide safety training requirement for both handlers and workers under the revised WPS effective January 1, 2016, and is approved indefinitely. EPA Approval # "EPA W/H PST 00022". Length: 38 minutes.

"Quick-Connect": EPA-approved Worker Training Videos** (NEW! Expanded 2015 Content)

Video (English) – Pesticide Safety For Agricultural Workers ([MP4](#)) ([YouTube](#)). Video for training agricultural workers about pesticides and the Revised Worker Protection Standard (WPS). This video satisfies the pesticide safety training requirement for workers under the


New Jersey Worker/Handler Training Rosters

- Revised roster templates with new EPA content **posted to DEP website**
- Trainer now sends **handler** roster to DEP w/ 30 days
- Worker rosters need not be submitted, unless DEP requests
- Both** Trainer/Ag Employer keep for **3** yrs.; access to employee/medical/written designee



HANDLER TRAINING ROSTER
WORKER PROTECTION STANDARD

State of New Jersey
Department of Environmental Protection
Bureau of Pesticide Compliance
401 East State Street
P. O. Box 420
Mail Code 801-04A
Trenton, New Jersey 08625-0420
TEL. (609) 984-6568 FAX. (609) 984-6555
<http://www.nj.gov/dep/enforcement/pcp/pcp-wps.htm>



Please print all information clearly

TRAINER NAME: _____ TRAINER ID#: _____
DATE OF TRAINING: _____ LANGUAGE USED FOR TRAINING: _____
TRAINING SITE/FARM NAME: _____
(Use separate roster for each agricultural employer)
COMPLETE ADDRESS: _____

HANDLER'S FULL NAME (PRINT)	HANDLER'S SIGNATURE	VERIFICATION CARD NUMBER	DATE OF BIRTH	NATIVE LANGUAGE	NATIONALITY (STATE/COUNTRY)
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					

**www.nj.gov/dep/enforcement/pcp/pcp-wps.htm*

NEW Worker/Handler Training Rosters Due Rutgers WPS Website

KEEP ON FILE FOR 3 YEARS.
SUBMITTAL OF WORKER RECORDS TO DEP NO LONGER REQUIRED
WORKER TRAINING ROSTER
WORKER PROTECTION STANDARD

SUBMIT ROSTER TO NIDEP VIA FAX TO (609) 984-6555 WITHIN (30) DAYS OF TRAINING
HANDLER TRAINING ROSTER
WORKER PROTECTION STANDARD

KEEP ON FILE FOR 3 YEARS.
SUBMITTAL OF WORKER RECORDS TO DEP NO LONGER REQUIRED
WORKER TRAINING ROSTER
WORKER PROTECTION STANDARD

State of New Jersey
Department of Environmental Protection
Bureau of Pesticide Compliance
401 East State Street
P. O. Box 420
Mail Code 602-04A
Trenton, New Jersey 08625-0420
TEL (609) 984-6550 FAX (609) 984-6555
<http://www.nj.gov/dep/enforcement/pca/pca-wps.htm>

TRAINER NAME: _____
LANGUAGE USED FOR TRAINING: _____
AGRICULTURAL EST./FARM NAME: _____
PHYSICAL ADDRESS: _____
EPA-APPROVED TRAINING MATERIAL(S) USED (TITLE/EPA ID #): _____

WORKER'S FULL NAME

WORKER'S FULL NAME (PRINT)	WORKER'S SIGNATURE	WORKER ID # (if any)	DATE OF BIRTH	NATIVE LANGUAGE
1.				
2.				
3.				
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16.				
17.				
18.				
19.				
20.				

NIDEP WORKER FILLABLE ROSTER | Rev date 02 24 2022

Blanks and fillable pdfs

SUBMIT ROSTER TO NIDEP VIA FAX TO (609) 984-6555 WITHIN (30) DAYS OF TRAINING
HANDLER TRAINING ROSTER
WORKER PROTECTION STANDARD

State of New Jersey
Department of Environmental Protection
Bureau of Pesticide Compliance
401 East State Street
P. O. Box 420
Mail Code 602-04A
Trenton, New Jersey 08625-0420
TEL (609) 984-6550 FAX (609) 984-6555
<http://www.nj.gov/dep/enforcement/pca/pca-wps.htm>

TRAINER NAME: _____
LANGUAGE USED FOR TRAINING: _____
AGRICULTURAL EST./FARM NAME: _____
PHYSICAL ADDRESS: _____
EPA-APPROVED TRAINING MATERIAL(S) USED (TITLE/EPA ID #): _____

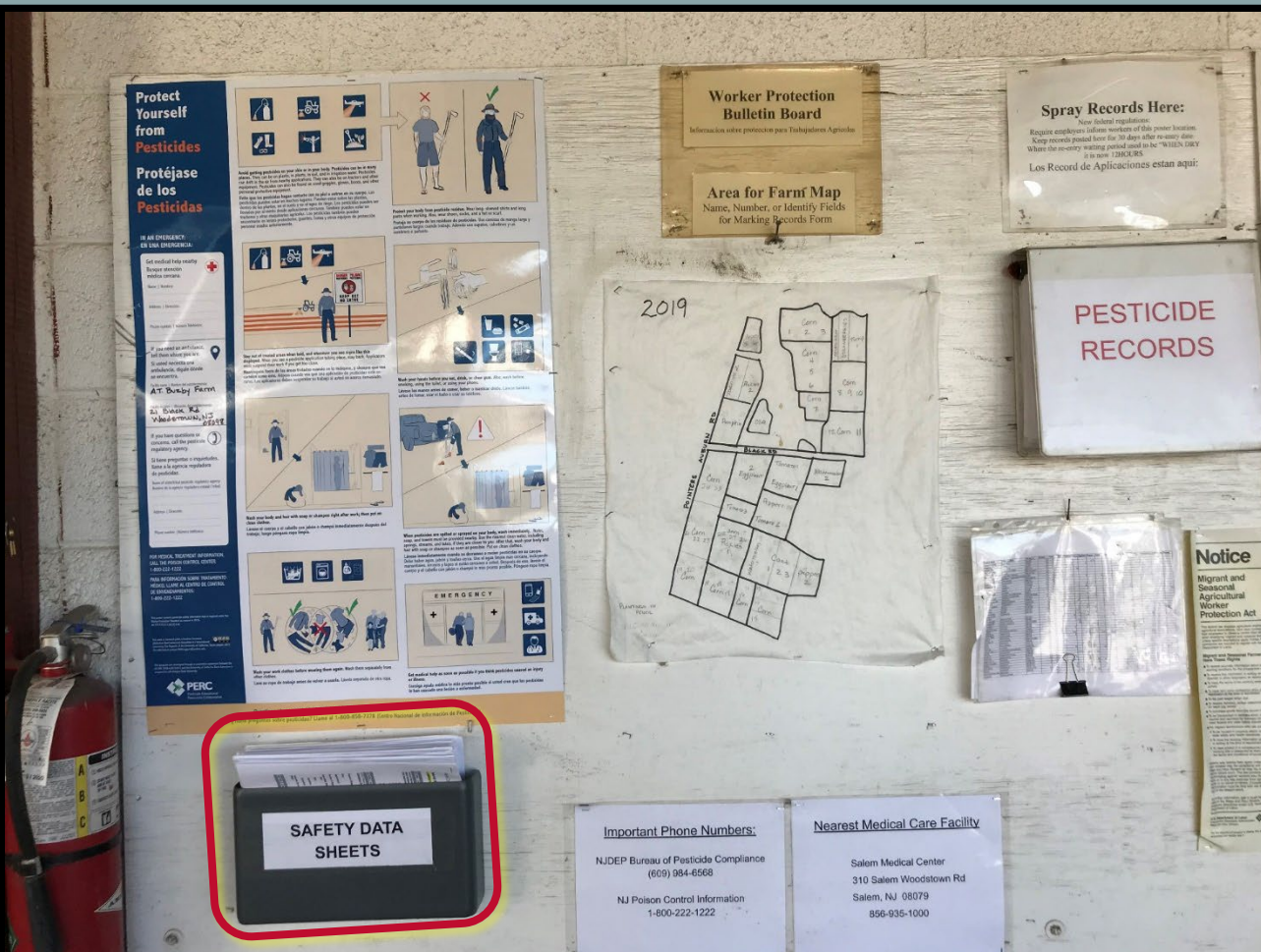
HANDLER'S FULL NAME

HANDLER'S FULL NAME (PRINT)	HANDLER'S SIGNATURE	HANDLER ID # (if any)	DATE OF BIRTH	NATIVE LANGUAGE
1.				
2.				
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20.				

Handler Fillable Roster | Rev date 02 18 2022

Blanks and fillable pdfs

1. Pesticide Safety Poster
2. Area Farm Map
(with field ID by name or #)
3. Pesticide Records posted
for 30 days after REI ends
4. Nearest Emergency
Medical Facility
5. NJ Poison Information
877-222-1222
6. EPA Registration # List
 - pesticide name
 - EPA reg #
 - active ingredient(s)
7. Safety Data Sheets





New Jersey* Revised Regulations

Central display of **hazard information**

1. **Application**-specific information
2. Pesticide **safety data sheets (new)**

Central display of application information
prior* to application; until 30 days after REI expires

Retain application info & SDS for 3 yrs* accessible to:

- Employee (oral or written request)
- Treating medical personnel (oral or written request)
- Designated representative (written request only)



See handout for SDS Sources

PESTICIDE APPLICATION RECORD

Location of Application				Pesticide Product Used			Mixture Recipe per Product Label		Total Volume Applied	Date (MDY) & Time (am/pm)		Applicator Full Name/ Pesticide License or Handler Number
Farm Name & Address; City or Township; and County of Application	Field Name Sitio Aplicado	Acre(s) Treated/ Tratado	Crop Treated Cosech Tratado	Brand Name of Pesticide Nombre del Pesticida	EPA Registration Number Numero de Registracion EPA	Active Ingredient(s) Ingrediente Activo	Amount of Pesticide Concentrate used before mixing ¹	Total Diluent Cantidad Usada	Total Volume Applied Total Volumen Aplicar	Date/Time Application Completed Fecha y Hora de la Aplicacion	Date/Time of Reentry Fecha y Hora de Reentrada	
XYZ Farm 1234 Farm Road, Agriville; Cumberland County	G-11	8	Tomatoes	VydateL	352-372	Oxamyl	12 qts.	400 gal	200 gal	6/15/10- 9:30 am	6/17/10- 9:30 am	John Smith C080069

Standard Applicator Record Form
on Rutgers website

Example

PESTICIDE APPLICATION RECORD



NAME/ADDRESS OF ESTABLISHMENT:

INFORMATION: (REI) = Restricted Entry Interval (R) = Re-entry	Pesticide(s) Used (Brand or Trade Name)	EPA Registration Number	Active Ingredient(s)	Amount of Concentrate Per Pesticide Used (for mixture)	Total Amount Concentrate	Amount Diluent (ounces, gallons, liters, etc.)	Specific Field Treated (enclosed production or land area; Municipality, County)	Crop Treated	Size of Area Treated (acres, square feet, etc.)	LIST FULL NAME OF ALL PERSON(S) APPLYING: 1) Applicator License # 2) Operator License # 3) Handler (Full Name) 4) Other (Full Name)
Date:										
Start Time:										
Finish Time:										
(REI) Interval:										
(R) Date/Time:										
Date:										
Start Time:										
Finish Time:										
(REI) Interval:										
(R) Date/Time:										
Date:										
Start Time:										
Finish Time:										
(REI) Interval:										
(R) Date/Time:										
Date:										
Start Time:										
Finish Time:										
(REI) Interval:										
(R) Date/Time:										

Source: *NJDEP Worker Protection Unit
www.nj.gov/dep/enforcement/pcp/pcp-wps.htm

Optional Format/
Some additional content

New Pesticide Application Record Template

Farm Name and Address; City or Township; and County of Application			<i>Example: XYZ Farm 1234 Farm Road; Agriville; Cumberland County</i>									
Location of Application			Pesticide Product(s) Used				Mixture Recipe per Product(s) Label			Date (M/D/Y) and Time (am/pm)		Person Applying Pesticide
Field Name	Acres Treated	Crop Treated	Brand Name of Pesticide	EPA Registration Number	Active Ingredient(s)	REI (hrs)	Amount of Pesticide Concentrate used before mixing	Total Diluent	Total Volume Applied	Date/Time Application Completed	Date/Time Safe for Worker Reentry	Applicator /Operator Full Name & Pesticide License # or Unlicensed Handler Full Name or Other Full Name
Sitio Aplicado	Acres Tratado	Cosech Tratado	Nombre del Pesticida	Numero de Registracion EPA	Ingrediente Activo	REI (hrs)	Aumente el pesticida concentrado usarlo antes mezclarlo	Cantidad Usada	Total Volumen Aplicar	Fecha y Hora de la Aplicacion	Fecha y Hora de Reentrada	
<i>Example: G-11</i>	<u>8</u>	<u>Tomatoes</u>	<u>Vydate L</u>	<u>352-372</u>	<u>Oxamyl</u>	<u>24 hrs</u>	<u>12 qtz.</u>	<u>400 gal</u>	<u>400 gal</u>	<u>6/13/12 9:30 a.m.</u>	<u>6/16/12 9:30 a.m.</u>	<u>John Smith</u> <u>C080369</u>

Downloadable forms available online at
www.pestmanagement.rutgers.edu/PAT/record_forms.htm

Resources for New Jersey Licensed Private Pesticide Applicators & Growers



- Rutgers University New Jersey Agricultural Experiment Station (NJAES)**
Cooperative Extension website: <https://njaes.rutgers.edu/>. NJAES Fact Sheets and publications are available online and updated routinely at <https://njaes.rutgers.edu/pubs/>. 2022 Mid-Atlantic Commercial Vegetable Recommendations now published! Pesticide Sections of the Mid-Atlantic Veg Recs and the Rutgers New Jersey Commercial Tree Fruit Production Guide E002 Pesticide Safety Section were wholly revised in 2020 and updated for 2022. The 2021 Tree Fruit Guide the 2020 NJ regulation revisions.
- Rutgers University NJAES Plant & Pest Advisory:** <https://plant-pest-advisory.rutgers.edu/>. Timely seasonal updates focusing on insects, diseases, and weeds of importance to NJ Commercial Growers & Nursery/Landscape/Ornamental/Turf. Free. Subscribe by email or RSS.
- Rutgers NJAES Pest Management Office:** (848) 932-9802. **ENROLL IN BLOG.**
 - Pesticide Safety Education Program:** <https://pestmanagement.rutgers.edu/PAT/>. GOOGLE "RUTGERS PSEP"
 - Pesticide Applicator Certification & Licensing Requirements
 - Training Manuals (*online ordering now available with delivery to your home or business available*)
 - Pesticide Applicator Certification Exam Access
 - Pesticide Applicator Recertification Training
 - Pesticide Record Keeping **NEW templates** (in Word, Excel, or pdf)
 - Pesticide Spill Report Cards
 - Worker Protection website & blog:** <https://pestmanagement.rutgers.edu/worker-protection/>. Created for growers and their employees on the 2015 revised Worker Protection Standard. Rutgers "Quick Connect" WPS videos. **FREE.**
- New Jersey Department of Environmental Protection:**
 - N.J.A.C. 7:30 State pesticide regulations were revised April 6, 2020. Govern the manufacture, distribution, and use of pesticides in New Jersey; see <https://www.nj.gov/dep/enforcement/pcp/pcp-regs.htm>. Subchapter 8 Private Pesticide Applicator Certification & Licensing; Subchapter 9 Exposure Management; and Subchapter 12 Worker Protection (including revisions for parity with federal WPS).
 - Licensing & Registration:** <https://www.state.nj.us/dep/enforcement/pcp/bpo-pesticide-links.htm> for current status of pesticide examinations and COVID recertification course policy exemption for 5-year recert credit period extended through Oct 31, 2022. Provides links to check if you need recertification credits for your 2022 applicator license renewal, as well as links to NJDEP-approved recertification courses.
 - NJDEP DataMiner** web portal at <https://www.nj.gov/dep/enforcement/pcp/pcp-online.htm> provides online license fee payment and reports for applicators, operators, dealers, and businesses (e.g., recertification courses, license, or certification status); also lists of registered pesticides.
 - NJDEP Worker Protection Unit** webpage at <https://www.state.nj.us/dep/enforcement/pcp/pcp-wps.htm>. Templates for Worker & Handler Training Records; WPS Trainer Verification Form. For specific questions about NJDEP's implementation of the revised WPS, please contact Supervisor of the Worker Protection Unit Nancy Santiago at 609-984-6568, or contact her by email at pcp@dep.nj.gov.
 - Search NJ pesticide registrations at <http://www.kellysolutions.com/NJ/>.
 - General information: 609-984-6507. Spill report (reportable spills): 1-877-WARNDEP.
 - The Pesticide Applicator Certification Exam Registration (PACER) system is the NJDEP's approved third party exam administration system managed by the Rutgers NJAES Office of Continuing Professional Education (OCPE). This online exam application portal is located at <https://pacer.rutgers.edu>. Set up account and apply for exams 24/7. When you create an online account, you will have an online "Dashboard" to track your exam(s).

PACER (continued)

Payment for exams is required prior to approval; approval turnaround is approximately 48 hours. Exam fees are managed by third party **Schoolpay**. The fee to take the Private applicator exam is \$55 each; commercial applicator CORE and category exams are \$155 each. Payment by credit card, electronic checking, or Purchase Order.

Pesticide exams may now be taken online 24/7. Exams have a maximum time allotment of 1 hour 45 minutes. OCPE contact is Jill Sullivan; pacer@njaes.rutgers.edu. Phone: 848-932-7443 or 848-932-9271 Option 7. Fax: 732-932-4546. Hours of operation: Monday-Friday, 8 AM-4:30 PM.

Due to COVID, pesticide exams are only available to be taken online; but can be accessed 24/7. Exams are offered through Rutgers University online learning management system "Canvas". Once your exam application is approved, you will receive a Canvas Course invitation with **detailed** instructions from Rutgers Canvas from email address notifications@instructure.com; check spam for the invitation if have not received within 48 hours. If your exam application is denied you will receive an email from OCPE with the reason and steps to rectify the issue.

Exams taken in Canvas are proctored using artificial intelligence software "Proctorio" which uses facial detection. All exam takers must install Proctorio on their computers to be allowed to take the online exam. Proctorio will guide you through the "Pre-check Steps" and the "Systems Diagnostic Tool". You will show a valid photo-identification, such as a driver's license to the screen and perform a room check as directed at the time of examination. You must be onscreen for the entire exam; no breaks are allowed.

The system requires use/installation of the Google Chrome browser in advance. See https://pacer.rutgers.edu/docs/online/proctorio_requirements.pdf for detailed software and hardware requirements [computer (no mobile devices); camera/webcam; microphone (internal or USB); and reliable internet connection with at least a 1.0 Mbps upload speed].

- New Jersey Pesticide Information and Education System.** The designated regional Poison Control Center with a national number: (1-800-poison1)/ (1-800-222-1222). Website: <https://www.njpies.org/>.
- Pesticide SDS for Revised Worker Protection Standard:** CDMS at <http://www.cdms.net/LabelsSDS/home>; and Agrian: <https://home.agrian.com/>. See also pesticide manufacturer websites under #7 below.
- National Pesticide Information Center (NPIC)** provides general and technical information about pesticides; see home page at <http://npic.orst.edu/index.html>. See also their comprehensive list of pesticide manufacturers to request specific pesticide product information: <http://ace.orst.edu/info/npic/manuf.htm>.
- EPA Pesticides Homepage at <https://www.epa.gov/pesticides>.
- EPA National Agricultural Center** - "First stop" for information about environmental requirements that affect the agricultural community. Homepage: <https://www.epa.gov/agriculture/about-epas-national-agriculture-center>.
- REVISED EPA Pesticide Poisoning Handbook** 'Recognition and Management of Pesticide Poisonings 6th Edition'. downloadable from <https://www.epa.gov/pesticide-worker-safety/recognition-and-management-pesticide-poisonings>. Free copies of the manual (EPA publication number 735K13001) are available from the National <https://www.epa.gov/nscep>
- EPA Office of Pesticide Programs** 'Pesticide Chemical Search' webpage for conventional, antimicrobial, and biopesticide active ingredients; see <https://iaspub.epa.gov/apex/pesticides/f?p=chemicalsearch:1>. Has label product label search function <http://iaspub.epa.gov/apex/pesticides/f?p=PPLS:1>.