

Worker Protection Standard (WPS)

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When does wps kick in???

1. If you employ people that work in the areas that are treated with pesticides = Workers
2. If you employ people that make pesticide applications for you = Handlers

AND

3. You see this on your pesticide labels...

YOU MUST comply if this is on the label

- **AGRICULTURAL USE REQUIREMENTS**

- Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Chemical-resistant gloves, Category F, such as barrier laminate, butyl rubber, nitrile rubber, or Viton[®] ≥ 14 mils
- Shoes plus socks

Respirator Requirements

- If your facility applies pesticides that REQUIRE respirators you must have:

- Medical Evaluation
- Respirator Training
- Fit Test



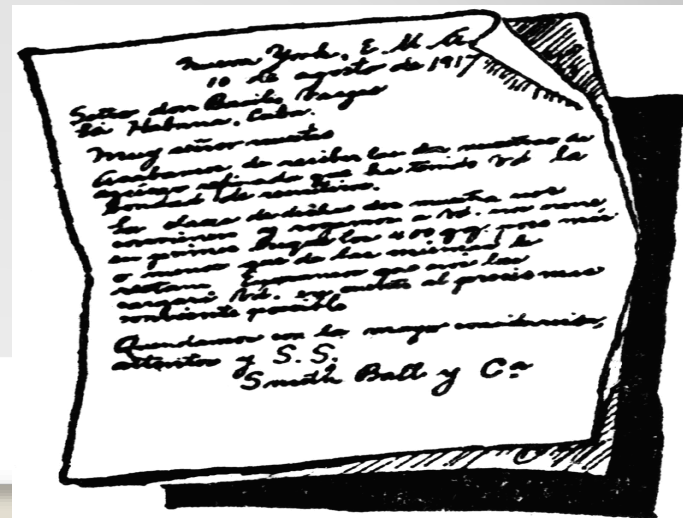
- <http://pesticideresources.org/wps/hosted/PER-C-WPS-Respirator-Guide-print.pdf>



Medical Evaluation

The OSHA respiratory protection standard, 29 CFR 1910.134, requires:

- The employer identify a physician or
- Other licensed health care professional (PLHCP) to perform medical evaluations required by this standard.



Respirator Training

- Must be done ANNUALLY
- Use Respirator specified on label
- Follow respirator checklist
- Respirator training records must be kept for 2 (two) years

Respirator Care Checklist

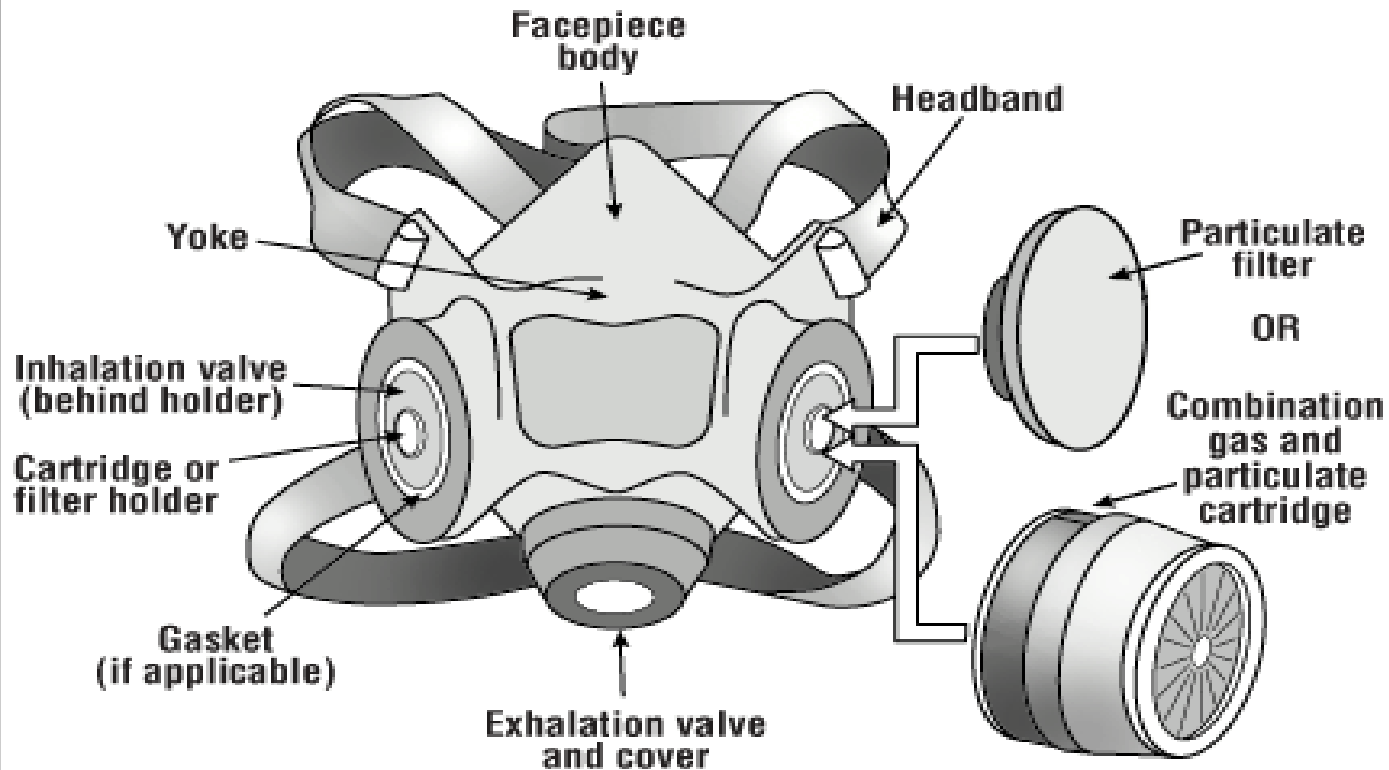
- Inspect before and after each use and during cleaning
- Replace all parts cracked, torn, broken, missing or worn
- Follow manufacturers instructions



Five (5) components

- Face-piece
- Head straps
- Valves
- Filters and cartridges
- Air supply systems

Respirator Components



The basic parts of a typical half-facepiece respirator are shown. Two common options are illustrated on the right. Both sides of the respirator would take the same type of filter or cartridge.

Facepiece

- Ensure no holes or tears present
- Inspect for cracks, scratches and loose fitting lenses
- Make sure face-piece edges are not rippled or distorted



Head Straps / Harness

- Check webbing for breaks
- Look for elasticity deterioration
- Test excessively worn head harness



Inhalation and Exhalation Valves

- Make sure there is no:
 - Residue
 - Dirt
 - Cracks or tears in valve material

Replace any missing or defective valve covers

Filters and Cartridges

- NIOSH approved
 - Filter and mask certified to use together
- Gaskets seat properly
- Is filter approved for the hazard
- No cracks or dents in housing
- Proper cartridge for hazards



Air Supply System

- Breathing-quality air is used
- Supply hoses are in good condition
 - No breaks, cracks or kinks
- Hoses are properly connected
- Settings on regulators and valves are correct

Fit Test Requirements

- Follow Fit Test Procedures 29 CFR 1910.134 Appendix A of the OSHA regs.
- Fit-test records must be kept for 2 (two) years
- Can conduct qualitative test by self but not recommended
- Recommend family member conducting qualitative testing

Fit Test Procedures

- Allow employee to pick respirator
- Employee shall be shown:
 - Positioning of face
 - How to set strap tension
 - Mirror to show proper positioning
- Employee conduct seal test

Fit Test Procedure

- Employee must wear facepiece for up to five (5) minutes
- Comfort assessment
- Determine adequate respirator

Adequate Comfort Assessment

- Position of mask on nose
- Room for eye protection
- Room to talk
- Position on face and cheeks

Proper Respirator Fit

- Proper chin placement
- Adequate strap tension
- Correct fit across nose bridge
- Correct size from nose to chin
- Tendency for respirator to slip
- Self-observance in mirror for fit and positioning

Fit Test Exercises

- Normal breathing (in standing position without talking)
- Deep breathing (in standing position, breathing slowly)
- Turning head side to side (standing in place, slowly moving head up and down inhaling)
- Grimace (smile or frown)
- Bending over (bend as if touching toes)
- Normal breathing

*Each test performed for 1 minute except grimacing exercise for 15 minutes

OSHA Qualitative Requirements

Employer must ensure that persons administering the qualitative fit test are able to:

- Prepare test solutions
- Calibrate equipment
- Perform tests properly
- Recognize invalid tests
- Ensure that test equipment is in proper working order
- Recommend initial fit test done by professional fit-testing operation

The FIVE PARTS OF WPS

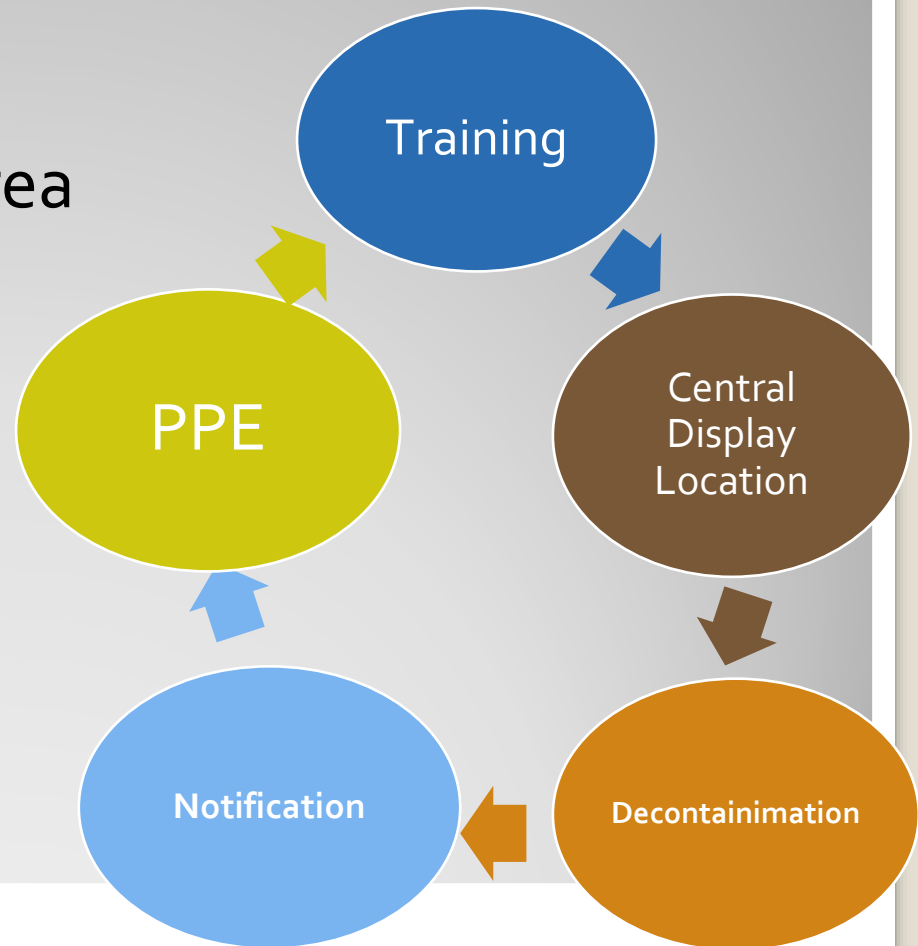
Training

Central Display Location/Area

Decontamination Site/Area

Notification

PPE



Training

- Must be a Certified Applicator or have attended the Train-The-Trainer course
- Can take online training:
- <https://pesticideresources.org/wps/ttt/course/index.html>
- Keep copy of Train-The-Trainer class certificate on file
- Training **MUST** be done annually using new material



TRAINING

Provide training to ALL workers/handlers DAY "1" of working on farm

Obtain a record of the training:

- Individual name & signature
- Trainer name & qualification
- Date of training
- Employer Name
- How training was given

Training video: <https://vimeo.com/215241678>

Example of Training Video

- <https://pesticideresources.org/wps/ttt/course/demo/index.html>

Central Location

- New Safety Poster
- Application records must include start and end time of application
- SDS for all pesticides applied must be kept in a location accessible to workers and handlers (Central Location Display Area)
- These SDS have to be kept for TWO (2) years

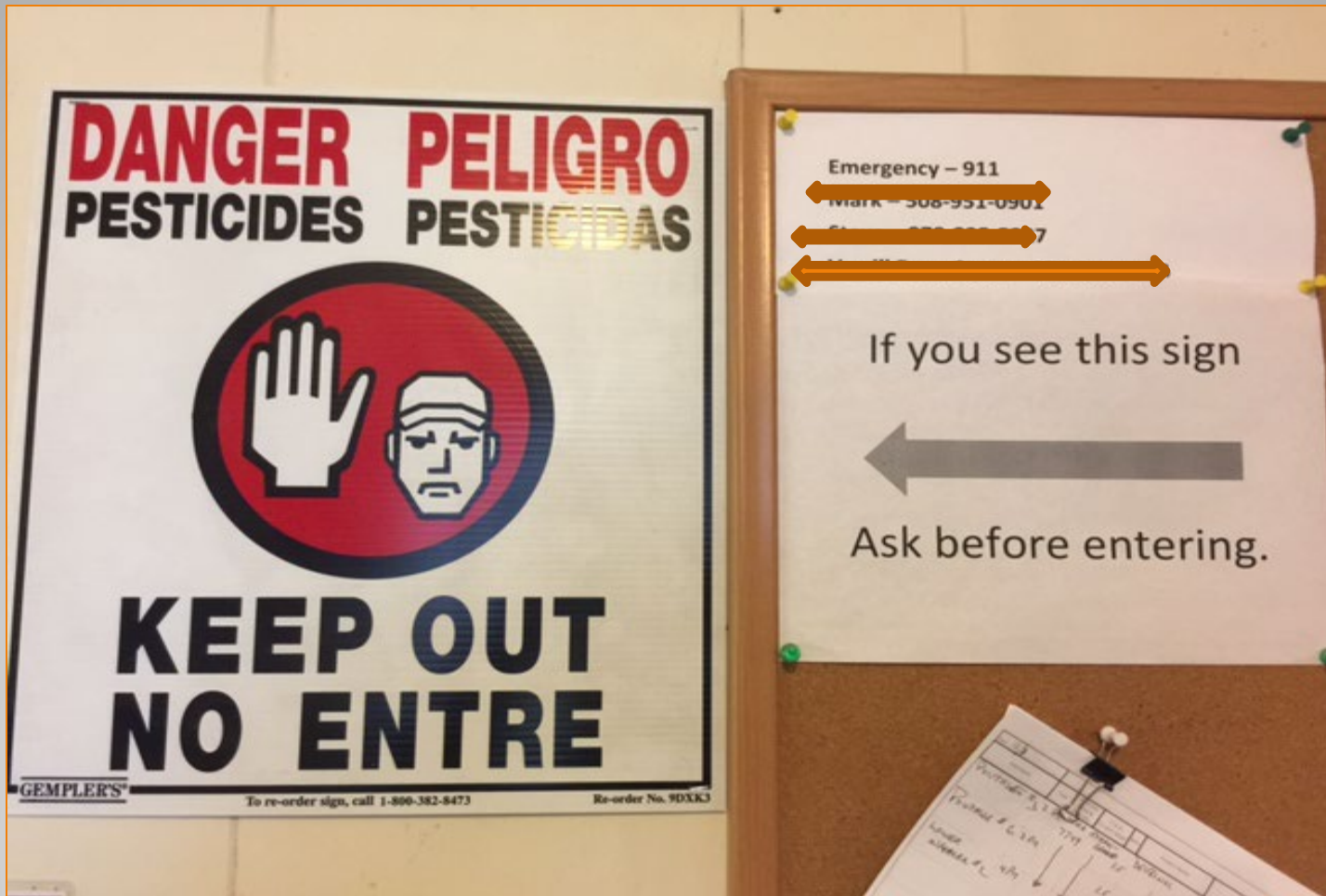
<http://pesticideresources.org/wps/cp.html>



Central Location Display



Central Location Display



Posting Requirements

- Outside applications: choose to either notify verbally or by posting signs...UNLESS:
 - Label states to do both
 - If REI is 48 hours or more, MUST POST SIGNS
- Indoor applications: Must post signs on entrances to treated areas UNLESS:
 - REI of 4 hours or less, you can verbally notify
- Post on the border of any Worker housing within 100 feet of the treated area



Record Keeping – State Requirements

- Place (Field location/Commodity)
- Date of application
- Product name
- EPA Registration Number
- Total amount of pesticide used
- Dilution Rate
- Target Pest
- Method of application
- Person making the application
- Size of area applied to

Not Required but...

- Weather Conditions
- Buffers
- Issues that occurred during application
- Wind direction/speed
- Maintenance Records

Additional Record Keeping – WPS Requirements

- Active Ingredient
- REI
- Time of application
 - Start time
 - End time
- Can use a Key System

Decontamination Supplies

- Running water, soap, single use towels, change of clothes, Eye wash
- Must have enough water for 15 min eyeflush
 - 0.4 gallons per minute for 15 minute or
 - 6 gallons at a gentle flow for 15 min
- Must have enough water for:
 - 1 gallon per worker
 - 3 gallon per early entry worker
 - 3 gallon per handler



Additional Safety Poster must be posted

Application exclusion zone (AEZ)

- 25 feet around the application equipment where no one is allowed in during the application
- THIS IS A MOVING ZONE!!!!
- farm employees
- If applicator sees someone within the AEZ, applicator must SUSPEND application.

25ft

- sprayed at a height of greater than 12 inches from planting medium using a spray quality of medium or larger



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COMMUNICATION

Lets Discuss.....

- Acknowledge their concerns
- Calmly explain the situation
- Give them information
- Provide other resources for them to go to
- Leave the door open

48 Hours!!!



- 333 CMR 10.14 (4) The Department requires immediate notification (in no case later than 48 hours) after coming to the attention of any applicator of all significant accidents, incidents, injuries or illnesses as recorded in 333 CMR 10.14(1)(i) and (k).
- *It's a violation if you do not contact the Department within 48 hours!!!*

Best Management practices

- Read your labels!
- Know your products!
- Be aware of the weather conditions
- Open line of vision
- Change the way you make applications
 - Timing
 - Application method

BEST MANAGEMENT PRACTICES CONTINUED

- Contact abutters prior to application
- Walk around property
- Know your property lines
- Provide any additional info if requested
- Do not spray when windy or gusty
- Use proper methods and equipment
- Spray into the property
- Spotter
- Know your sensitive areas

STORAGE

- Solids over liquids
- Secondary Containment
- Metal vs. Wooden Shelves
- Inventory Sheet
- Labels and MSDS binder
- Spill Kit
- Ventilation



What to Expect at an inspection

- Scheduled during peak season....sorry
- Records (3 years)
- Decontamination Area
- Central Location Area
- Training of Workers/ Handlers
- Storage

Outreach Material

- <https://www.mass.gov/service-details/worker-protection-standard-wps>
- How To Comply Manual
- Handbook for Agricultural Employers
- Respiratory Protection Guide
- Respiratory Checklist
- WPS Training Video
- Short Videos for Pesticide Safety Training
- WPS Flip Chart in English and Spanish

Questions???

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