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The New WPS Requirements

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The New WPS Requirements (Worker Protection Standard – EPA Changes 2016)

Rosebrook TownePlace Suites
Pesticide Safety Meeting



April 26, 2016
Martha Sylvia

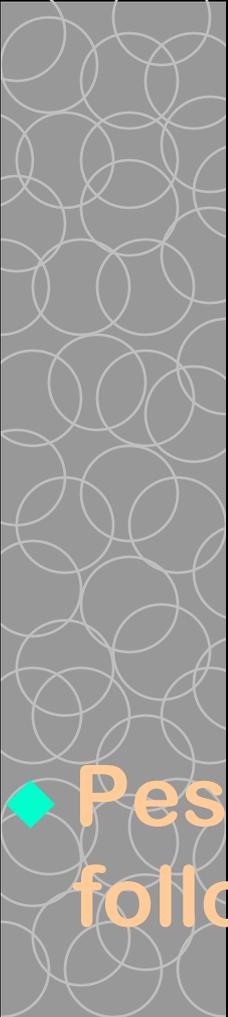
UMass Cranberry Station





EPA's WPS

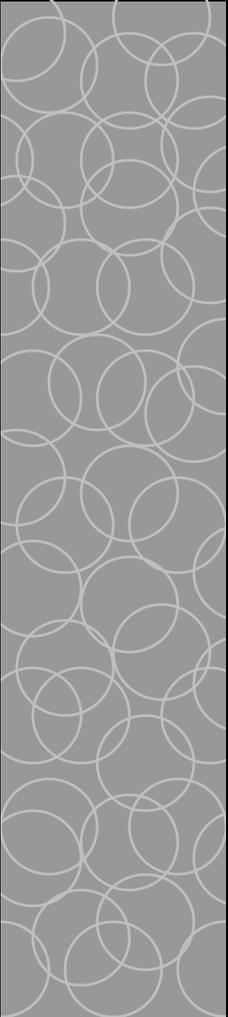
- ◆ Worker Protection Standard
- ◆ protect agricultural workers from the effects of exposure to pesticides
- ◆ aimed at reducing the risk of pesticide poisonings and injuries among ag workers and handlers of agricultural pesticides



◆ **Pesticide Labels indicate that you must follow WPS, which then makes it LAW**

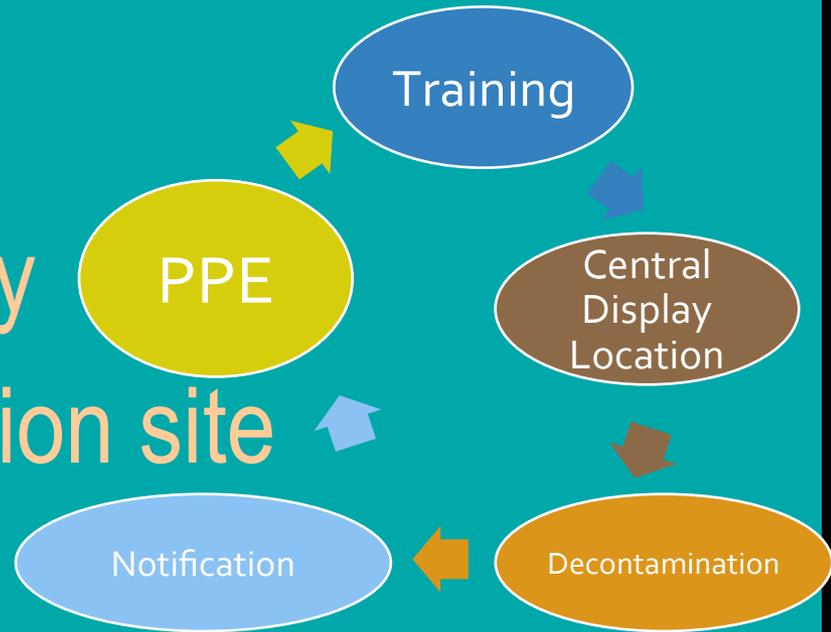


Workers exposed to pesticides?

- 
- ◆ Mixing and loading the pesticide into application equipment, but not restricted use!
 - ◆ Applying pesticides, like roundup
 - ◆ Handling irrigation/chemigation heads
 - ◆ Entering areas where pesticides have been applied to scout, weed, or repair heads, after the REI is up!
 - ◆ Do not need training if you have a pesticides license!

Five Parts of WPS

- ◆ Training
- ◆ Central display
- ◆ Decontamination site
- ◆ Notification
- ◆ Personal protective equipment



Pesticide Worker Safety

Pesticide Worker Safety Home

How EPA Protects Workers from Pesticide Risk

Recognition and Management of Pesticide Poisonings

In Case of Pesticide Poisoning

Agricultural Worker Protection Standard (WPS)

Training Materials for Implementing the Worker Protection Standard

How to Get Certified as a Pesticide Applicator

Pesticide Containers

Pesticide Containment Structures

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Revisions to the Worker Protection Standard

[Esta página web está disponible en español](#)

EPA is announcing stronger protections for the nation's two million agricultural workers and their families working on farms, forests, nurseries, and greenhouses. These revisions to the 1992 Agricultural Worker Protection Standard will afford farmworkers similar health protections that are already afforded to workers in other industries.

[Read the revised Worker Protection Standard.](#)

On This Page

- [What are the major changes for farmers and farmworkers?](#)
- [What will these changes achieve?](#)
- [What types of activities are covered?](#)
- [When will these changes take place?](#)

What are the Major Changes for Farmers and Farmworkers?

The revisions to the Worker Protection Standard cover many different areas. The major revisions include:

- Annual mandatory training to inform farmworkers on the required

Related Information

- [Factsheet on the Revisions](#)
- [Comparison Chart of Current WPS and Revised Rule](#)
- [Comparison Chart of Current WPS and Revised Rule \(Spanish\)](#)
- [Basic Regulatory Information](#)
- [Recursos en Español](#)
- [Learn More About Worker Safety](#)
- [Read our Blog](#)

WPS Videos

- [Overview of the Revised Worker](#)

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Revisions to the Worker Protection Standard

- ❑ EPA is making changes to WPS
- ❑ Comment period is over,
- ❑ changes being phased in starting in 2017
- ❑ Education NOW
- ❑ Compliance assistance now

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Revisions to the Worker Protection Standard

- ❑ Training EVERY YEAR (starting in 2018)
 - Not every five years
 - Expanded content of training starting in 2018
- ❑ NO grace period of 5 days
 - Training must be before worker enters area
 - Any treated area with pesticide in last 30 days
- ❑ Now must train before herbicides go on!
- ❑ Harvest ok if no applications in 30 days!

WPS Trainings 2016

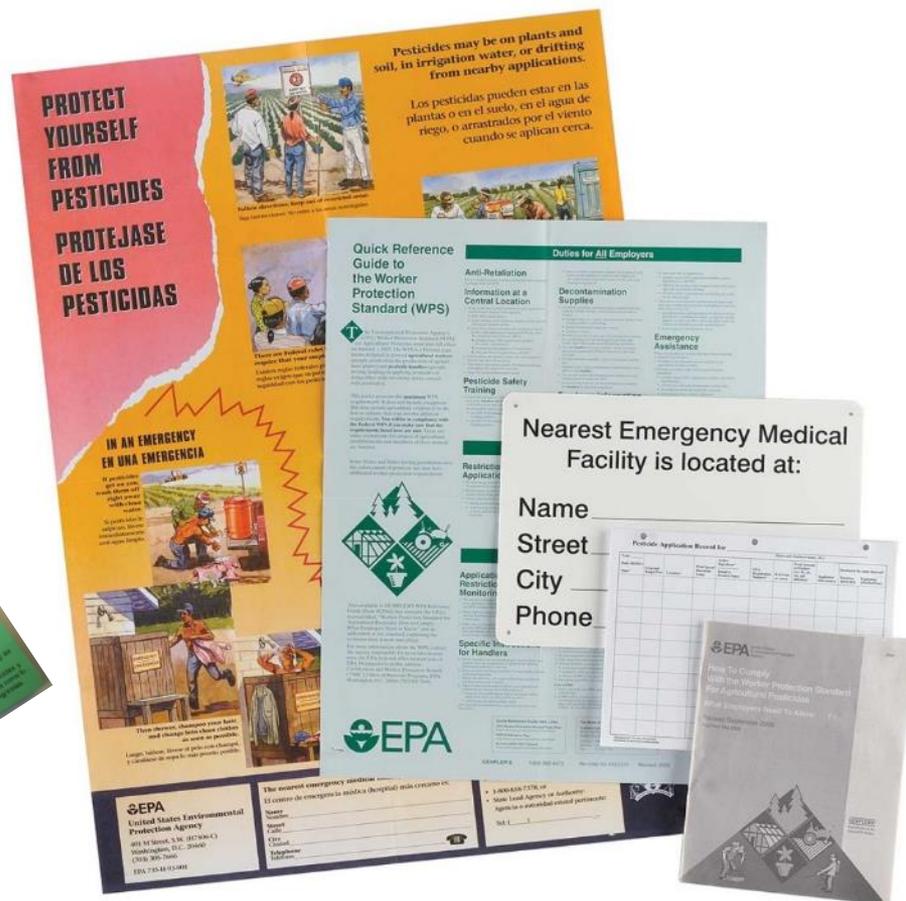
- ◆ At the UMass Cranberry Station Library
- ◆ Last Wednesday of upcoming months 2-4 PM
 - ◆ April 27
 - ◆ May 25
 - ◆ June 29
- ◆ Send any workers, weeders, scouts, and mechanics. Training good for 5 years (or at least until 2018)!
- ◆ \$5 cost



Training Step By Step

2017

1. Provide training to ALL workers/handlers prior to them starting work
2. Be sure that trainer has **Private Certification License** OR has attended the **train the trainer** course
3. Use existing training materials
4. Obtain a record of the training:
 - Individual name & signature
 - Trainer name & qualification
 - Date of training
 - Employer Name
 - How training was given





NATIONAL
**WORKER SAFETY
 TRAINER HANDBOOK**
 PESTICIDE SAFETY
 FOR AGRICULTURAL
 WORKERS

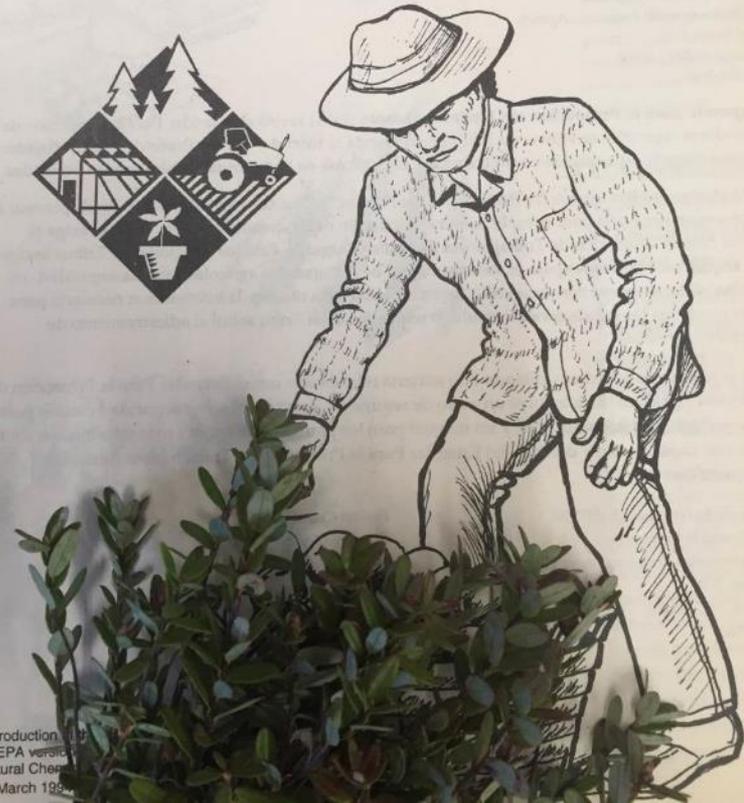


DIY!!



**Protect Yourself from Pesticides –
 Guide for Agricultural Workers**

**Protéjase de los Pesticidas –
 Guía para los Trabajadores Agrícolas**



Official EPA
 version
 by Government Printing
 Office in November 1993

NATIONAL WORKER SAFETY TRAINER HANDBOOK PESTICIDE SAFETY FOR AGRICULTURAL WORKERS

DIY!!

You Can Do It!!

- **Private Certification License**
- Use existing training materials
- Keep a record of the training:
 - Individual name & signature
 - Trainer name & qualification
 - Date of training
 - Employer Name
 - How training was given

EPA Protect Yourself from Pesticides –
Guide for Agricultural Workers

Protéjase de los Pesticidas –
Guía para los Trabajadores Agrícolas

GEMPLEY'S WPS Agricultural Worker Training Receipt

I have received pesticide safety training from _____ (Trainer) on _____ (Date) at _____ (Location). The training was given in accordance with the EPA Worker Protection Standard requirements. This signed form will provide you with a record of your training.

I received this training in the following manner I could understand:

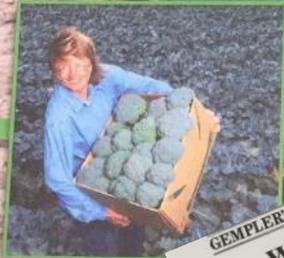
- Routes through which pesticides may enter the body.
- Signs and symptoms of common pesticide injuries or poisoning.
- First aid procedures for pesticide exposure.
- Warnings about pesticide residues on clothing.
- Warnings about pesticide containers and labels.
- Explanation of the WPS training sign, posting of warning sign, and protection against retaliation.

Employer Name _____ Date _____
Name of Employee (Please Print) _____
Signature _____
Address _____
Social Security Number _____

NATIONAL WORKER SAFETY TRAINER HANDBOOK

PESTICIDE SAFETY FOR AGRICULTURAL WORKERS

DIY!!

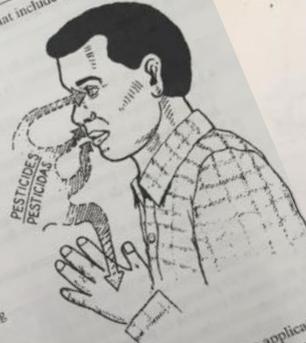


GEMPLER'S WPS Agricultural Worker Training Receipt

Information for Employer: EPA's Worker Protection Standard requires employers to provide agricultural workers with complete WPS pesticide safety training before a worker's sixth day of entry into an area where a restricted entry interval (REI) was in effect in the last 30 days. The training must be provided in a manner workers can understand. This signed form will provide you with a record of that training.

I have received pesticide safety training for agricultural workers that included information on:

- Where and in what form pesticides may be encountered during work activities.
- Hazards of pesticides resulting from toxicity and exposure, including acute effects, chronic effects, delayed effects and sensitization.
- Routes through which pesticides can enter the body.
- Signs and symptoms of common types of pesticide poisoning.
- Emergency first aid for pesticide injuries or poisonings.
- How to obtain emergency medical care.
- Routine and emergency decontamination procedures, including emergency eye flushing techniques.
- Hazards from chemigation (chemicals in irrigation water) and spray drift.
- Hazards from pesticide residues on pesticide containers home.
- Warnings about taking pesticides or pesticide containers designed to protect workers, including application at entry restrictions, design of the warning sign, posting of warning signs, oral warnings, availability of specific information about applications, and protection against retaliation.



I received this training in a manner I could understand.

Employer Name _____ Date _____
 Name of Employee (Please Print) _____
 Signature _____
 Address _____
 Social Security Number _____



Protect Yourself from Pesticides – Guide for Agricultural Workers

Protéjase de los Pesticidas – Guía para los Trabajadores Agrícolas



Worker vs. Handler!

• WORKER

- Pulling weeds
- Scouting
- Planting
- Harvesting

• HANDLER

- Applying herbicide
- Handling chemigation heads
- Cleaning or repairing spray equipment
- Mix load or transfer pesticide
- Handle pesticide containers

GENERAL INFORMATION

WPS Agricultural Worker Training Receipt

Information for Employer: EPA's Worker Protection Standard requires employers to provide agricultural workers with complete WPS pesticide safety training before a worker's first day of entry into an area where a restricted entry interval (REI) was in effect in the last 30 days. The training must be provided in a manner workers can understand. This signed form will provide you with a record of that training.

I have received pesticide safety training for agricultural workers that included information on:

- Where and in what form pesticides may be encountered during work activities
- Hazards of pesticides resulting from toxicity and exposure, including acute effects, chronic effects, delayed effects and sensitization
- Routes through which pesticides can enter the body
- Signs and symptoms of common types of pesticide poisoning
- Emergency first aid for pesticide injuries or poisonings
- How to obtain emergency medical care
- Routine and emergency decontamination procedures, including emergency eye flushing techniques
- Hazards from chemigation (chemicals in irrigation water) and spray drift
- Hazards from pesticide residues on clothing
- Warnings about taking pesticides or pesticide containers into living quarters
- An explanation of the WPS requirements designed to protect workers from pesticide exposure and protection against pesticide drift
- Entry restrictions, design of the warning sign, posting of specific information about application and protection against pesticide drift

I received this training in a manner I could understand.

Employer Name _____
Name of Employee (Please Print) _____
Signature _____
Address _____
Social Security Number _____

Protect Yourself from Pesticides –
Guide for Agricultural Workers

Protección de los Trabajadores de los Pesticidas –
Guía para los Trabajadores Agrícolas

Worker vs. Handler!

- WORKER
- Pulling weeds
- Scouting
- Planting
- Harvesting

You can do it!
40 pages, 8 topics

- HANDLER
- Applying herbicide
- Handling chemigation heads
- Cleaning or repairing spray equipment
- Mix load or transfer pesticide
- Handle pesticide containers

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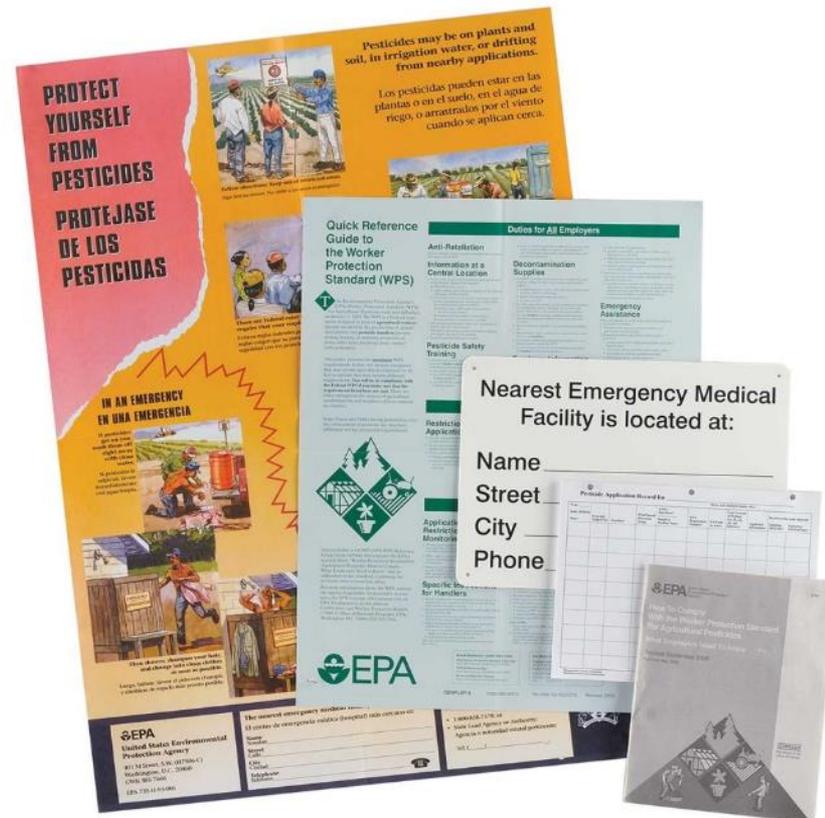
How EPA Protects Workers from Pesticide Risk

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Revisions to the Worker Protection Standard

CENTRAL DISPLAY LOCATION

- Application information at central location
- A Central Notification Area should be an area that the workers/handlers go to first thing in the AM before working.
- Cannot just be computer access to information.
- Applications must be posted.



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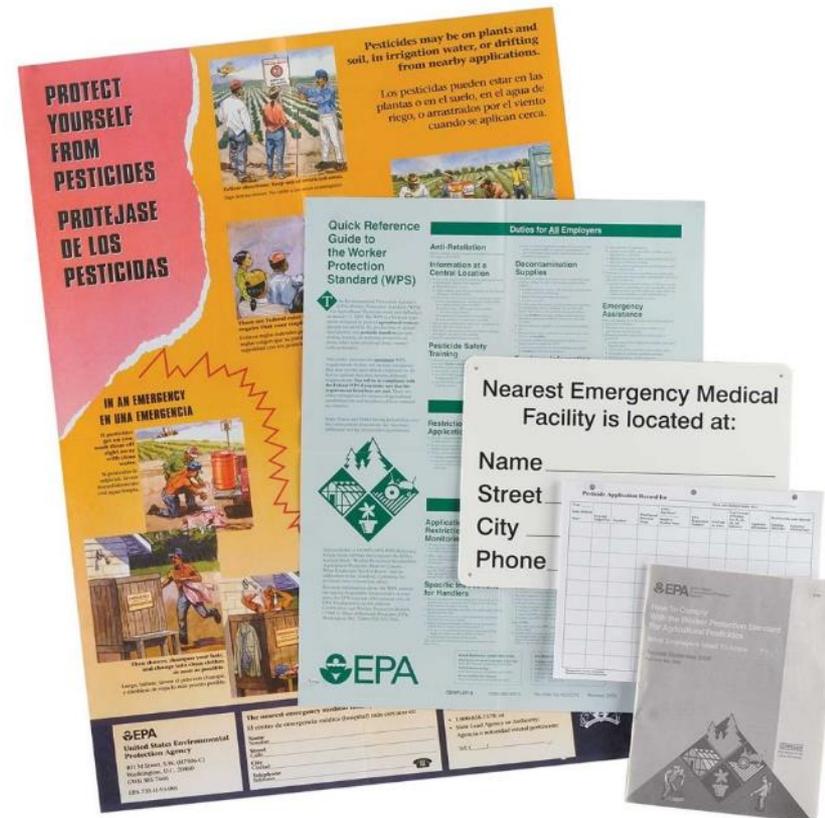
How EPA Protects Workers from Pesticide Risk

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Revisions to the Worker Protection Standard

CENTRAL DISPLAY LOCATION

- EPA WPS safety poster
 - name, address, and telephone number of the nearest emergency medical facility
- Each pesticide application [from before each application begins until 30 days after the REI]:
 - product name, EPA registration number and active ingredient(s)
 - location and description of treated area, map
 - time and date of application, and REI



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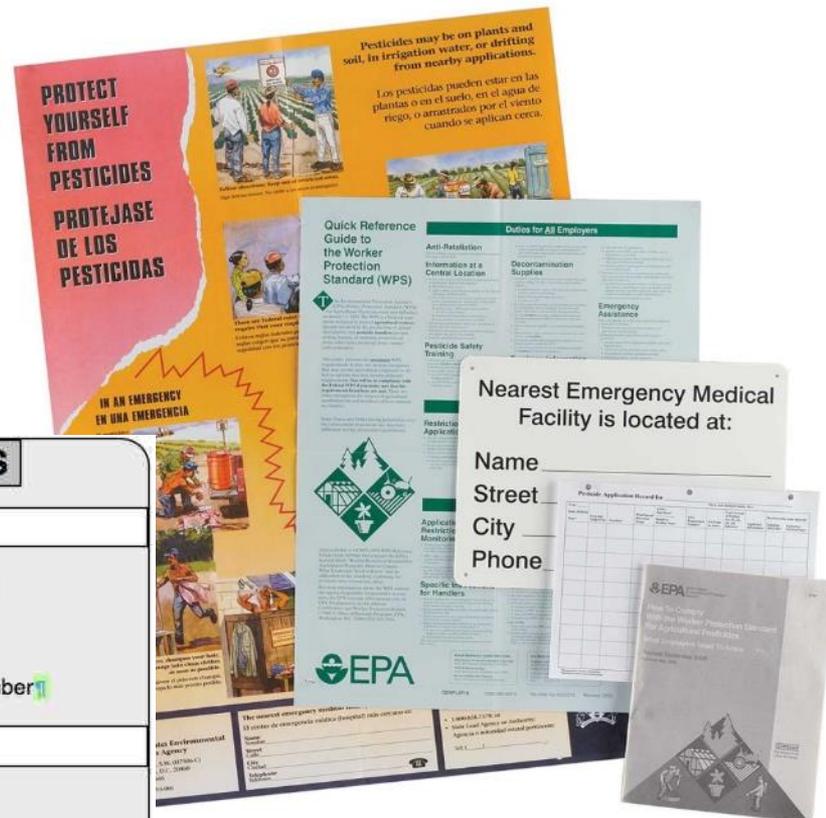
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Revisions to the Worker Protection Standard

CENTRAL DISPLAY LOCATION

- Application information at central location
 - 2018 must also include an SDS (MSDS) with it!



MATERIAL SAFETY DATA SHEET - 9 SECTIONS

SECTION 1 - PRODUCT INFORMATION

Product Name	WHMIS Classification (optional)
Product Use	
Manufacturer's Name	Supplier's Name
Physical and Mailing Address	Physical and Mailing Address
Emergency Contact Phone Number	Emergency Contact Phone Number

SECTION 2 - HAZARDOUS INGREDIENTS

Hazardous Ingredients (very specific)

SECTION 3 - PHYSICAL DATA

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Revisions to the Worker Protection Standard

- First-time ever minimum age requirement:
Children under 18 are prohibited from handling pesticides - with an exemption for family farms!
- Family includes spouse, parents, foster parents, children, stepchildren, foster children, brothers + sisters!
- Now in 2018 includes in-laws, grandparents, grandchildren, aunts + uncles, nieces + nephews, and 1st cousins!

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Revisions to the Worker Protection Standard

DECONTAMINATION

OLD WPS

- ❑ Running water
- ❑ Soap
- ❑ Single use towels
- ❑ Change of clothing**
- ❑ Eyewash**
- ❑ If more than 1/4 mile from any working area, portable decontamination is needed

NEW WPS

In addition to the old requirements:

- ❑ Additional Safety Poster must be posted
- ❑ Must have enough water for:
 - 1 gallon per worker
 - 3 gallon per handler
- ❑ Must have enough water for 15 min eyeflush if product used requires **eye** protection at mix/load sites
 - 0.4 gallons per minute for 15 minute or
 - 6 gallons at a gentle flow for 15 min

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DECONTAMINATION

Provide water for decontamination

Requiring water available

1 gallon per worker, 3 gallons per handler

Eyewash water available for handlers

6 gallons of water available at mix/load sites if product requires eye protection

So, if the label asks for protective eyewear...

EYE WARNING

% of MA growers using

- Diazinon (restricted use) 45% **post resp-23c eye**
- Pyramite/Nexter – Pyridaben 2% **respirator-21c eye**
- Rimon – Novaluron 0% **eye**

- **Bravo – Chlorothalonils** 82%
 - Bravo Ultrex **respirator 21c eye**
 - Bravo Weatherstik **eye for workers**
 - Chloronil 720, Initiate 720 **eye for workers**

- Champ, Badge – coppers 20% **post eye**

- 2,4-D granular, weedar 64 0.3% **post eye** (restricted)

*(restricted use)*GW*
(restricted)

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Revisions to the Worker Protection Standard

NOTIFICATION

- Expanded mandatory posting of no-entry signs for the most hazardous pesticides.
 - The signs prohibit entry into pesticide-treated fields until residues decline to a safe level.
- If REI is 48 hours or greater, requires sign posting
 - Diazinon
 - Badge, Champ, Kocide, Nu-Cop - coppers
 - Ridomil, Ultra Flourish – mefenoxams
 - Weedar 64, 2-4 D's

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Revisions to the Worker Protection Standard

PPE - Respirators

NEW WPS PPE is focused on **RESPIRATORS**

If the label of the pesticide being used requires a respirator

☐ Medical Evaluation

☐ Fit Testing

■ Fit Test Record

☐ Respirator Training

Once done, good til health changes!

OSHA BASED
MEDICAL
QUESTIONNAIRE

Annually!

Respirators - cranberry compounds

MUST HAVE NIOSH/MSHA APPROVAL

Sevin Lorsban

- Dust/mist filtering - dusts, powders, mists, and sprays.

Nexter Ferbam

TC-21C, N95

Bravo Ultrex

Manzate Flowable



DoMyOwnPestControl.com

- Vapor removing - gases and vapors.

- TC-23C - cartridge for organic vapors + prefilter

- TC-14G - canister for organic vapors

Diazinon

and

Imidan



Respirators

MUST HAVE NIOSH/MSHA APPROVAL

Sevin Lorsban

Nexter Ferbam

Bravo Ultrex

Manzate Flowable

- Dust/mist filtering - dusts, fumes, mists, and sprays.

FIT TEST

RESPIRATOR TRAINING

- Vapor removing - gases and vapors.

EVALUATION

- TC-26G - cartridge for organic vapors + prefilter
- TC-14G - canister for organic vapors

Diazinon and Imidan



DoMyOwnPestControl.com



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Respirator, Water for Eye Protection, and Posting for 48 hr REI's

- If the label of the pesticide being used requires a respirator
 - resp 21c (dust mist) or resp 23c (organic vapors)
- Eyewash water available (6 gallons of water) if label has eye protection required
 - eye
- Expanded mandatory posting of no-entry signs for the most hazardous pesticides - If REI is 48 hours or more
 - post

INSECTICIDES

% of MA growers using

- Delegate – spinetoram 90%
- Altacor – chlorantraniliprole 85%
- Avaunt – indoxacarb 80%
- Diazinon (restricted) 45% **post resp-23c eye**
- Intrepid – methoxyfenozide 35% (restricted)*GW
- Sevin – carbaryl 25% **respirator-21c**
- Actara – thiamethoxam 9%
- Admire – imidacloprid 6%
- Orthene – acephate 2%
- Pyramite/Nexter – Pyridaben 2% **respirator-21c eye**
- Assail – acetamiprid 1%
- Lorsban – chlorpyrifos (restricted) 1% **respirator-21c**
- Imidan – phosmet 0.3% **respirator-23c**
- Rimon – novaluron 0.0% **eye**

% of MA growers using

FUNGICIDES

□ Bravo – Chlorothalonils

82%

- Bravo Ultrex **post** **respirator 21c** **eye**
- Bravo Weatherstik **eye for workers**
- Chloronil 720, Initiate 720 **eye for workers**

*(restricted use)*GW*

□ Indar – fenbuconazole

70%

□ Proline – prothiaconazole

60%

□ Abound – azoxystrobin

55%

□ Manzate – EDBC' s

35% **resp 21c**

□ Champ – coppers

20% **post eye**

□ Phostrol – phosphites

10%

□ Aliette WDG – fosetyl-al

3%

□ Ridomil - mefenoxam

1% **post**

□ Ferbam Granuflo

0.3% **resp 21c**

HERBICIDES

% of MA growers using

□ Callisto – mesotrione	60%	
□ Roundup – glyphosate	42%	
□ Casoron – dichlobenil	32%	
□ Devrinol – napropamide	18%	
□ Prism, Select – clethodim	8%	
□ Poast – sethoxydim	5%	
□ Stinger – clopyralid	3%	
□ Evital – norflurazon	2%	
□ QuinStar - quinclorac	2%	(MRL issues)
□ 2,4-D granular, weedar 64	0.3%	post eye (<u>restricted use</u>)

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Starting in 2018

Applicator Exclusion Zone (AEZ)

- ❑ No one in area when applying pesticide or the application should stop!
- ❑ 100 feet from equipment if small particle size (<294 microns)
- ❑ 25 feet from equipment absolutely
- ❑ To protect workers and others from exposure to pesticide overspray

APPLICATION EXCLUSION ZONE (AEZ)

NOT IN EFFECT UNTIL 2018!!!!

- 25-100 feet around the application equipment where no one is allowed in during the application
- MOVING ZONE
- Extends beyond the boundaries of the farm and beyond farm employees
- **If applicator sees someone within the AEZ, applicator must SUSPEND application.**

Entire chemigation line?

Pop up heads small particle size?

100ft

- Aerially
- Airblast
- As a spray using a spray quality (droplet spectrum) of smaller than medium (diameter less than **294 microns**)
- Fumigant, Smoke, Mist or Fog

25ft

- Not sprayed as any of the 100ft requirements and is sprayed at a height of greater than 12 inches from planting medium using a spray quality of medium or larger