

Standard

By: Daniel Sandoval



GOALS OF WPS



Inform



Protect



Mitigate



Goal 1: Inform

- ❖ Annual pesticide safety training
- ❖ Updated pesticide safety information displayed at central location
- ❖ Pesticide application and hazard information in the form of a safety data sheet (SDS) at central location
- ❖ Access to pesticide labeling for handlers



Goal 2: Protect

- ❖ Notify agricultural employees about when and where pesticide applications will take place
- ❖ Implement application exclusion zones (AEZs) during pesticide applications and REIs for pesticide-treated areas after application
- ❖ Provide personal protective equipment (PPE) for handlers and early-entry workers



Goal 3: Mitigate

- ❖ Decontamination supplies at the worksite
- ❖ Emergency assistance to and, if needed, transportation to a medical care facility for emergency treatment for employees who get sick or are injured by pesticide exposure while working



Training Requirements

❖ Who can provide training?

1. Individuals who completed the EPA approved train-the-trainer (TTT) course
 - a. WPS@isda.idaho.gov (April)
2. Individuals designated as a trainer by state, tribe, or EPA
3. Certified pesticide applicators

Training Requirements

❖ Who needs to receive training?



Pesticide Handlers

- Any person, including a self employed person, who mixes, loads, and/or applies pesticides.
- Must be 18 years old



Agricultural Workers

- Any person, including a self employed person, who performs activities directly relating to the production of ag. Plants on an ag. Establishment.
- Does not handle pesticides

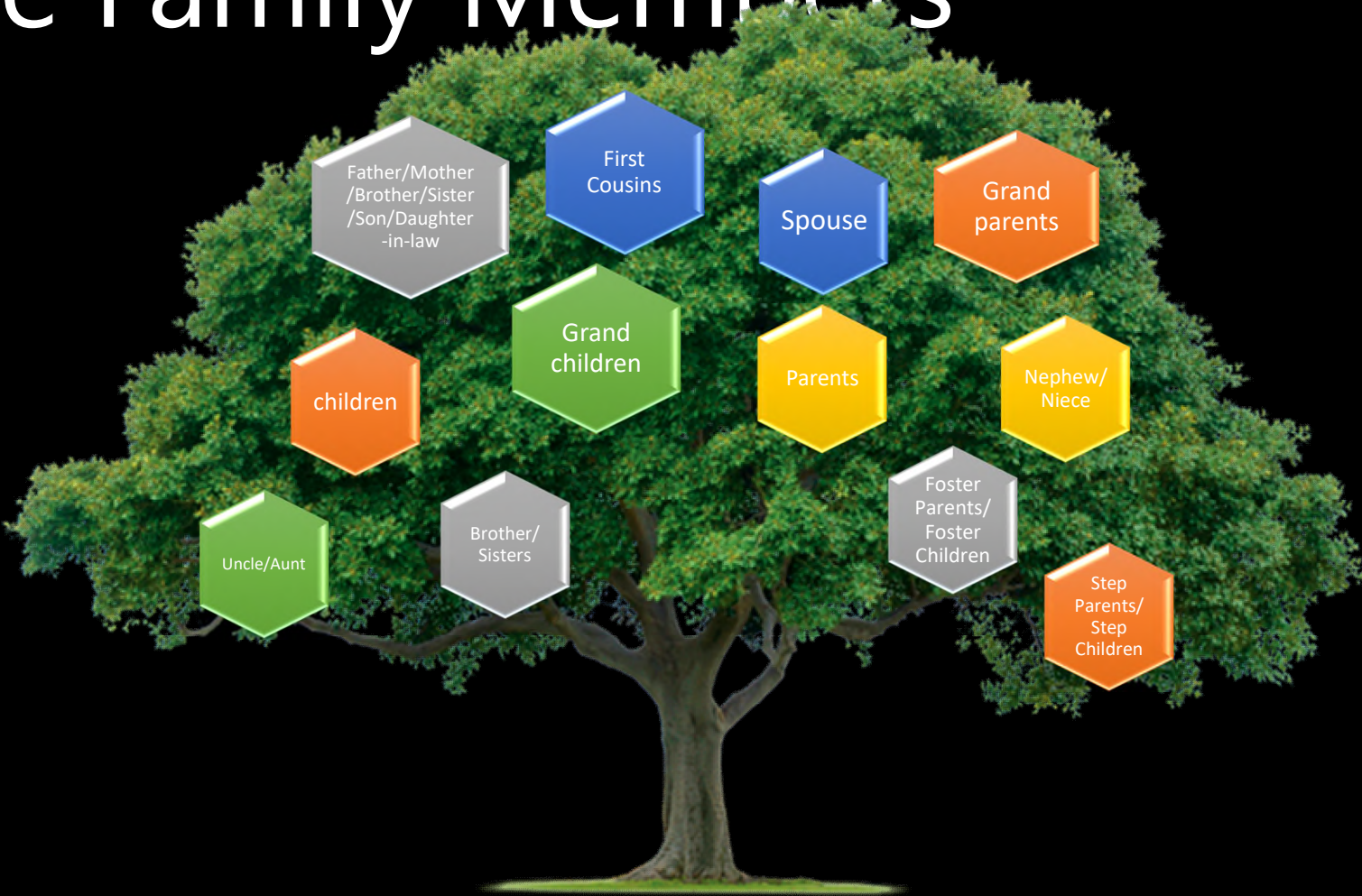


Early Entry Workers

- A worker who enters an area after a pesticide application is completed, but before the REI has expired
- Must be 18 years old

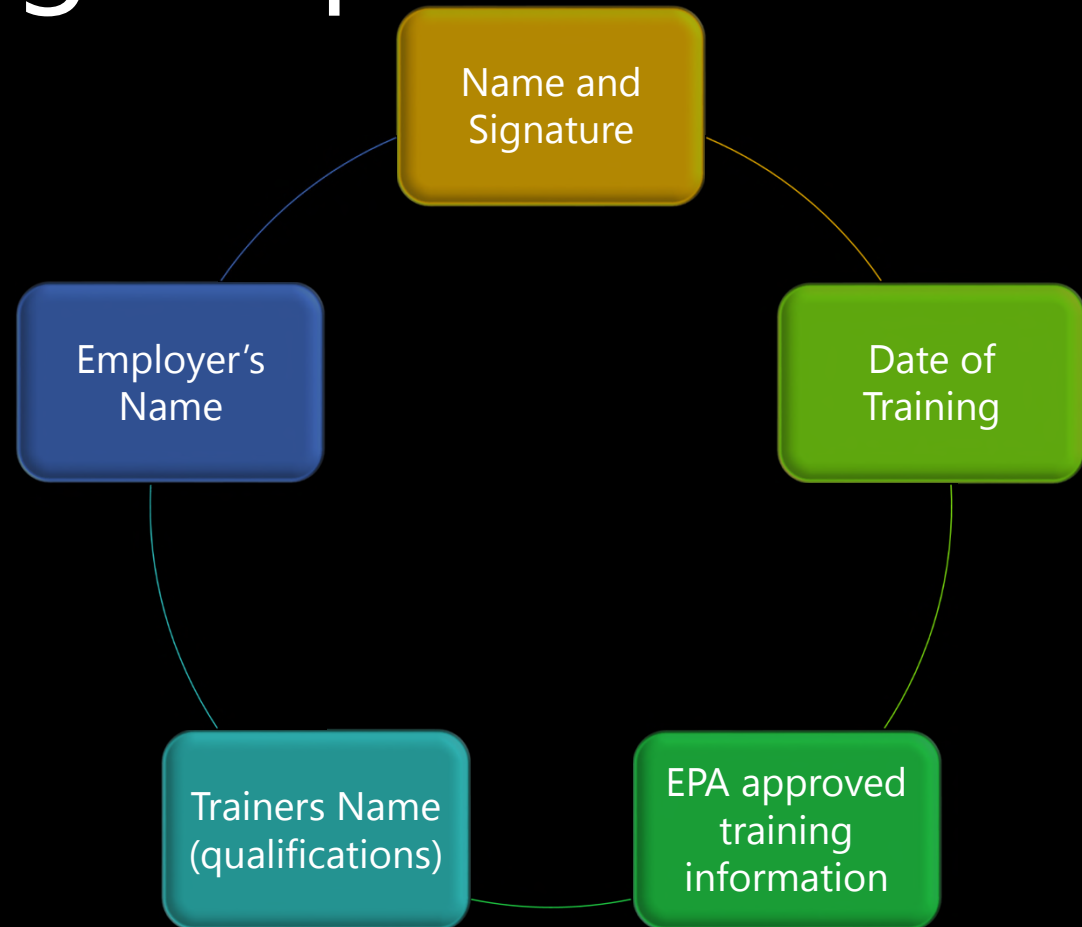
Immediate Family Members

- ❖ The owner's immediate family members must always follow label directions when handling pesticides.
- ❖ Exempt in providing decontamination supplies, central location, handler/worker training



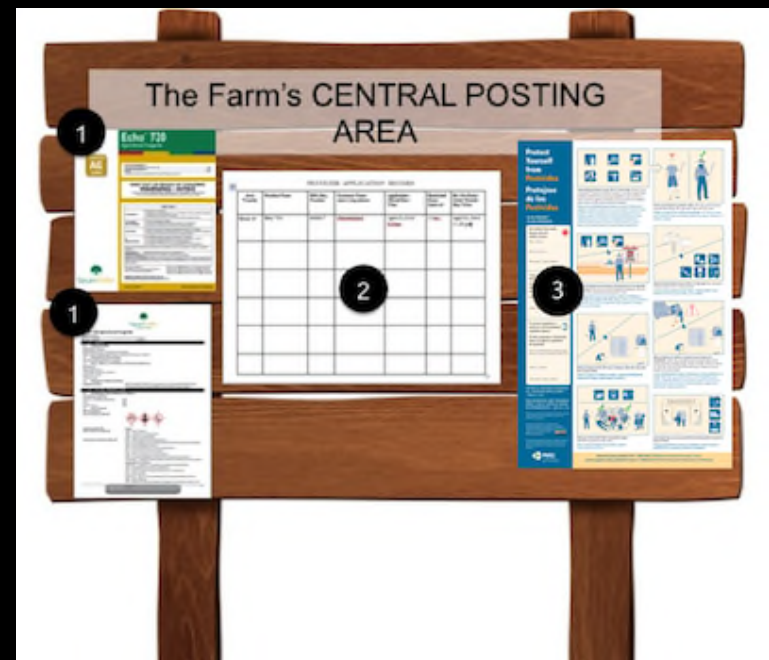
Record Keeping Requirements

- ✓ Employers are responsible maintaining training records (**For how long?**)
- ✓ Employer must provide copies of training records to each employee upon request (**Labor contractors?**)
- ✓ Employee can take training records to



Establishment Specific Information

- ❖ The employer must provide specific information specific to their ag. Establishment to workers and handlers before performing their respective tasks.
- ❖ Employer must provide information on the following:
 - Pesticide safety information
 - Pesticide application and hazard information
 - Decontamination supplies



Central Location

- ❖ Must be accessible to all employees during normal business hours.

Pesticide Application Information

Location of treated area

Crop treated

Product name, EPA Reg. No., Active ingredients

Date and time (start and end time)

REI

Hazard Information

Safety
Data
Sheets

Pesticide Safety Information

Updated
Pesticide
Safety
Poster

Pesticide Safety Po

- ❖ Posted at all central locations, permanent decontamination sites, other decontamination sites where supplies are provided for 11 or more workers/handlers
- ❖ Information on nearest Emergency Medical Facility with Emergency Room
- ❖ Contact information to ISDA
208-332-8500
2270 Old Penitentiary Rd. Boise,

Protect Yourself from Pesticides

Protéjase de los Pesticidas

IN AN EMERGENCY: EN UNA EMERGENCIA:

Get medical help nearby. Busque atención médica cercana.

Name / Nombre: _____

Address / Dirección: _____

Phone Number / Número telefónico: _____

If you need an ambulance, tell them where you are. Si usted necesita una ambulancia, dígame dónde se encuentra.

Address / Dirección: _____

Phone Number / Número telefónico: _____

If you have questions or concerns, call the pesticide regulatory agency. Si tiene preguntas o inquietudes, llame a la agencia reguladora de pesticidas.

Name of nearest pesticide regulatory agency / Nombre de la agencia reguladora de pesticidas: _____

Address / Dirección: _____


Phone Number / Número telefónico: _____


FOR MEDICAL TREATMENT INFORMATION, CALL THE PESTICIDE CONTROL CENTER. 1-800-222-1222.

PARA INFORMACIÓN SOBRE TRATAMIENTO MÉDICO, LLAME AL CENTRO DE CONTROL DE DIVULGACIONES: 1-800-222-1222.

The center website provides safety information that is updated periodically. The website is available in Spanish at www.pesticidecontrolcenter.gov.


El sitio web del Centro de Control de Divulgaciones proporciona información que se actualiza periódicamente. El sitio web está disponible en español en www.pesticidecontrolcenter.gov.





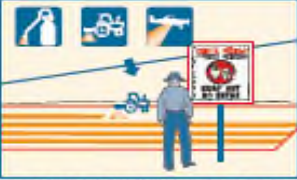
Avoid getting pesticides on your skin or in your body. Pesticides can be in many places. They can be in plants, in water, in soil, and in the atmosphere. Pesticides can also be in the air from many applications. They can also be on tractors and other equipment. Pesticides can also be found on seed packets, gloves, boots, and other personal protective equipment.

Evite que los pesticidas lleguen a contacto con su piel o entren en su cuerpo. Los pesticidas pueden estar en muchos lugares. Pueden estar sobre las plantas, dentro de las plantas, en el suelo y en el agua del riego. Los pesticidas pueden estar también por el viento desde aplicaciones cercanas. También pueden estar en tractores y otros equipos agrícolas. Los pesticidas también pueden encontrarse en bolsas de semillas, guantes, botas y otros equipos de protección personal usados comúnmente.



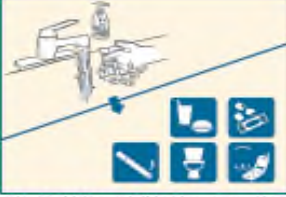
Protect your body from pesticide contact. Wear long-sleeved shirts and long pants when working. Also, wear shoes, socks, and a hat or vest!

Protéjase del cuerpo de los contactos de pesticidas. Use camisas de manga larga y pantalones largos cuando trabaja. Adicionalmente use zapatos, calcetines y un sombrero o chaleco.




Stay out of treated areas when a field, or an otherwise open area, has been treated. When you see a pesticide applicator taking a job, stay back. Aplicaciones insecticidas para el campo si you get the check.

Evite entrar a áreas tratadas cuando se está aplicando un pesticida, y siempre que sea posible manténgase alejado. Cuando vea a un aplicador de pesticidas trabajando en un campo, los aplicadores deben esperar su trabajo o salir de estas áreas.




Wash your hands before you eat, sit at a table, or clean your face. Wash before eating, using the toilet, or using your phone.

Lávase las manos antes de comer, beber o usar el teléfono. Lávase también, antes de lavar, usar el baño o usar un teléfono.




Wash your hands and hair with soap or water as soon as you can. Wash your face and hair with soap.

Lávase el cuerpo y el cabello con jabón o agua con jabón tan pronto como puedas después de trabajar. Lávase el cuerpo con jabón.




Wash pesticides out of your hair or eye goggles on your body, wash immediately. Wear, soap, and brush hair to prevent injury. Use the showerhead to wash, including goggles, aprons, and hats, if they are clean to use. After that, wash your body and hair with soap and water as soon as possible. Fully decontaminate.

Lávase el cuerpo y el cabello con jabón o agua con jabón tan pronto como sea posible. Use el agua del jabón para lavarse, incluyendo gafas, delantales y sombreros, si están limpios para usar. Después de eso, lava el cuerpo y el cabello con jabón y agua tan pronto como sea posible. Limpieza completa.



Wash your face and clothes before wearing them again. Wash them separately from other clothes. Lave su ropa de trabajo antes de volver a usarla. Lávese aparte de los otros tipos.



Get medical help as soon as possible if you think pesticides caused an injury or illness. Contáctese con un médico tan pronto como sea posible si cree que los pesticidas le han causado una lesión o enfermedad.

¿Quiénes son los pesticidas? Call 1-800-818-7378 (National Pesticide Information Center)
 ¿Tiene preguntas sobre pesticidas? Llame al 1-800-818-7378 (Centro Nacional de Información de Pesticidas)

Emergency Assistance

- ❖ Ag employer must provide transportation and emergency information (SDS) immediately after learning an employee had possible poisoning or injury if:
 1. Reason to believe worker/handler was experienced pesticide exposure on the ag. Establishment
 2. Employee shows symptoms similar to those associated with acute exposure to pesticide during or within 72 hours after his/her employment on the ag establishment and needs emergency medical treatment.

Decontamination Supplies



Worker

1 gal. of
Water

Soap

Towel

REI < 4hr (7

days)



Early Entry Worker

3 gal. of Water

Soap

Towel



Handler

3 gal. of
Water

Soap

Towel

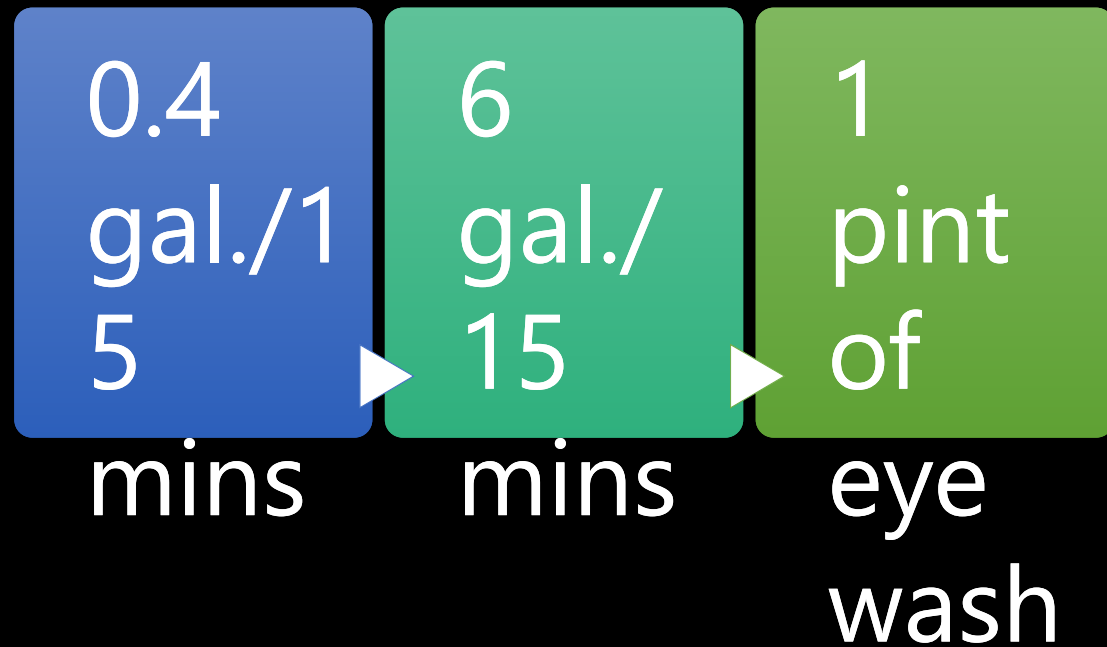
Change of

clothes)

Decontamination Supplies for Handlers

❖ Emergency Eye Flushing Station

- Must be provided at any mixing and loading site where products used require protective eyewear.
- Must be provided at mixing and loading site if using pesticides through a closed system under pressure.



Information Exchange

Specific Location and description of any treated area on the ag. Establishment under REI that the handler may be in (or walk within 1/4 mile of) and



restr
thos



Information Exchange

Specific location of area to be treated, Date and start time with estimated end time, product name, EPA Reg. #, active ingredients, REI, notification (posting/oral/both)



SLABEL



Echo® 720

Agricultural Fungicide

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard (WPS), 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 provisions on this label about personal protective equipment (PPE) and restricted entry.

Special Eye Irritation Provisions: This product is a severe eye irritant. Although the REI expires after 12 hours, for the next 6 ½ days entry is permitted only when the following safety measures are provided:

At least one container designed specifically for flushing eyes must be available in operating condition at the WPS-required decontamination site intended for workers entering the treated area.

Workers must be informed, in a manner they can understand:

- that residues in the treated area may be highly irritating to their eyes;
- that they should take precautions, such as refraining from rubbing their eyes, to keep the residues out of their eyes;
- that if they do get residues in their eyes, they should immediately flush their eyes using the eyeflush container that is located at the decontamination site or using other readily available clean water; and
- how to operate the eyeflush container.

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- how to operate the eyeflush container.

| | |
|---|--|
| | • Call a poison control center or doctor for treatment advice. |
| IF SWALLOWED | <ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have affected person sip a glass of water if able to swallow. • Do not induce vomiting unless told by a poison control center or doctor. • Do not give anything by mouth to an unconscious person. |
| Have the product container or label with you when calling a poison control center or doctor, or going for treatment. | |
| EMERGENCY PHONE NUMBERS | (800) 858-7378 NPIC (human and animal health) (800) 424-9300 CHEMTREC (transportation and spills) |
| NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Persons having a temporary allergic reaction respond to treatment with antihistamines or steroid creams and/or systemic steroids. | |

EPA Reg. No. 60063-7
Formulated in the United States of America,
with U.S. and imported ingredients.

EPA Est. No. 070989-AR-001 (Lot No. begins with OS)
EPA Est. No. 70815-GA-001 (Lot No. begins with CB)
EPA Est. No. 60063-GA-001 (Lot No. begins with VL)
EPA Est. No. 086555-MO-001 (Lot No. begins with AF)

MANUFACTURED FOR: SipcamAgro USA, Inc.
2525 Meridian Parkway, Suite 350, Durham, NC 27713

Application Exclusion Zone (AEZ)

0 AEZ

- Pesticide applied less than 12 inches from soil with medium or larger spray quality.
- Granular, soil incorporated (not fumigant), mist or fog.

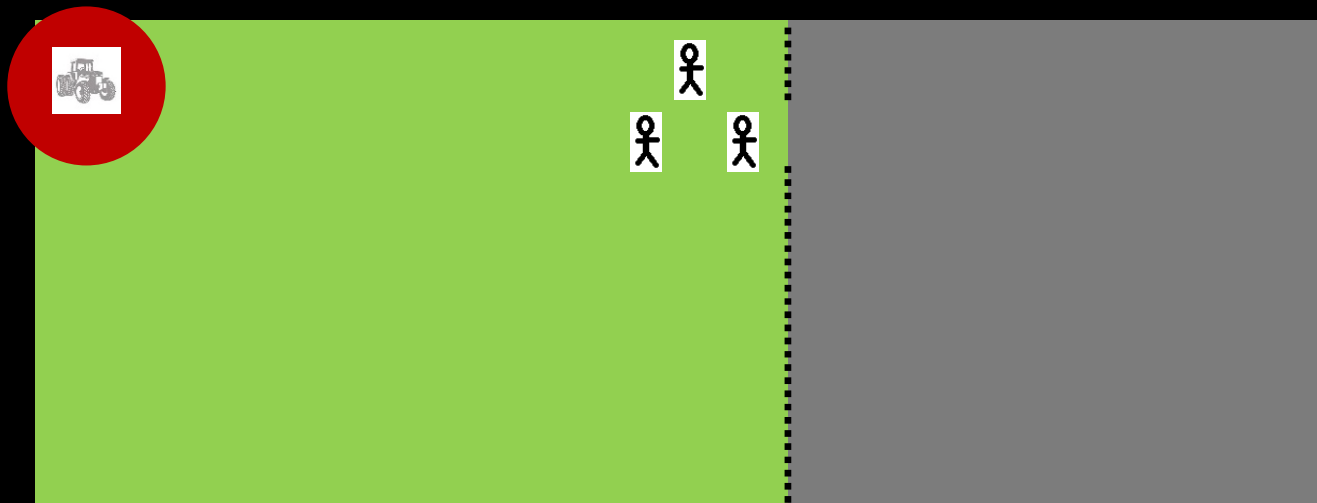
25 ft. AEZ

- Pesticide applied from a height of 12 inches or more using medium or larger quality

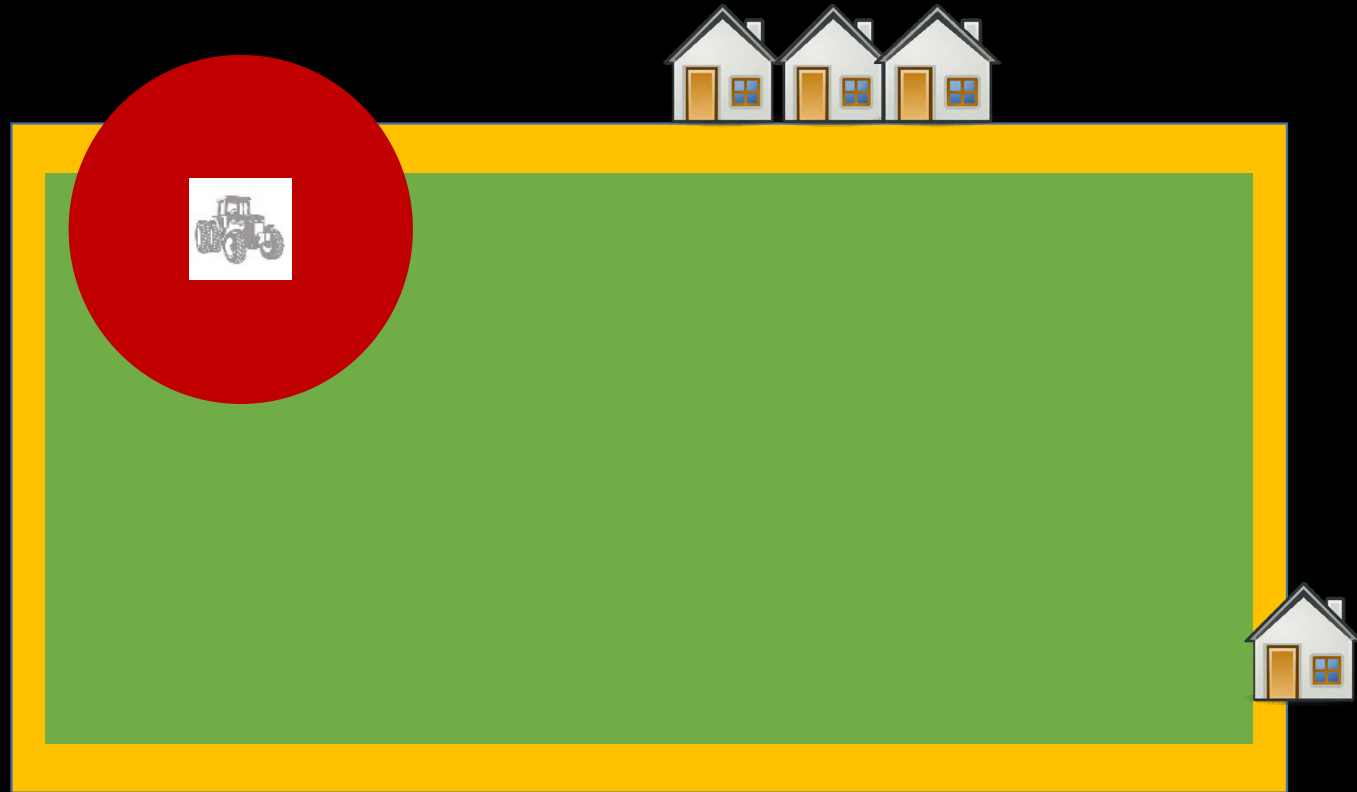
100 ft. AEZ

- Pesticide applied by Air, Air Blast, Spray using spray quality smaller than medium, as fumigant, mist or fog.

Application Exclusion Zone



Application Exclusion Zone



Minimum Age

- ❖ Pesticide Handler and Early-entry Workers

18 years old

- ❖ Family members

NO AGE MINIMUM

- ❖ C & T

16 yrs. Old RUPs (NOT FINAL YET)

Personal Protective Equipment (PPE)

- ❖ Employer must provide ALL PPE required by any product the handler may use within the ag. establishment.
 - PPE must be clean and be in proper working condition.
 - Employer is not required to provide Personal Protective Clothing (PPC)
- ❖ Handlers are individually responsible for following the pesticide label directions and wearing the clothing and PPE required by the pesticide label.
- ❖ What Happens if you provide all the PPE and the employee chooses to not wear it, who will be at fault if the employee experience pesticide exposure?

PPE and Closed Systems

1. Closed system must be able to remove the pesticide from its original container and transfer pesticide through hoses/couplings, that are sufficiently tight to prevent exposure

2. Each closed system must have written operating instructions that are clearly legible (check system's operating procedures) and must be available at the mixing or loading site

Handlers operating closed system must be trained in its use

Closed system must be cleaned and maintained as specified

All PPE specified in the pesticide product labeling is immediately available to the handler for use in an emergency

~~Protective eyewear must be worn~~

3. If the conditions are met, the following exceptions to labeling-specified PPE are permitted:

Handlers using a closed system to mix or load pesticides with signal word 'DANGER' or 'WARNING' may substitute the following, instead of the PPE specified on label:

Long-sleeved shirt

Long pants

Shoes and socks

~~Chemical resistant gloves~~

PPE and Enclosed Cabs

Handler must have required PPE immediately available in the cab stored in seal container

May wear long sleeved shirt, long pants, shoes and socks

If handler must wear PPE before exiting cab, and remove PPE before entering cab.

Respirators and Enclosed Cabs

Respiratory Protection and Stop Work Triggers

The following procedures must be followed to determine whether an air-purifying respirator is required or if operations must cease for any person performing a handling task (except for fumigant site monitoring outside of the buffer zone) as stated in this label.

- If at any time any handler experiences sensory irritation (tearing, burning of the eyes or nose), then either:
 - An air-purifying respirator must be worn by all handlers who remain in the application block or surrounding buffer zone, or
 - Operations must cease and handlers not wearing an air-purifying respirator must leave the application block and surrounding buffer zone.

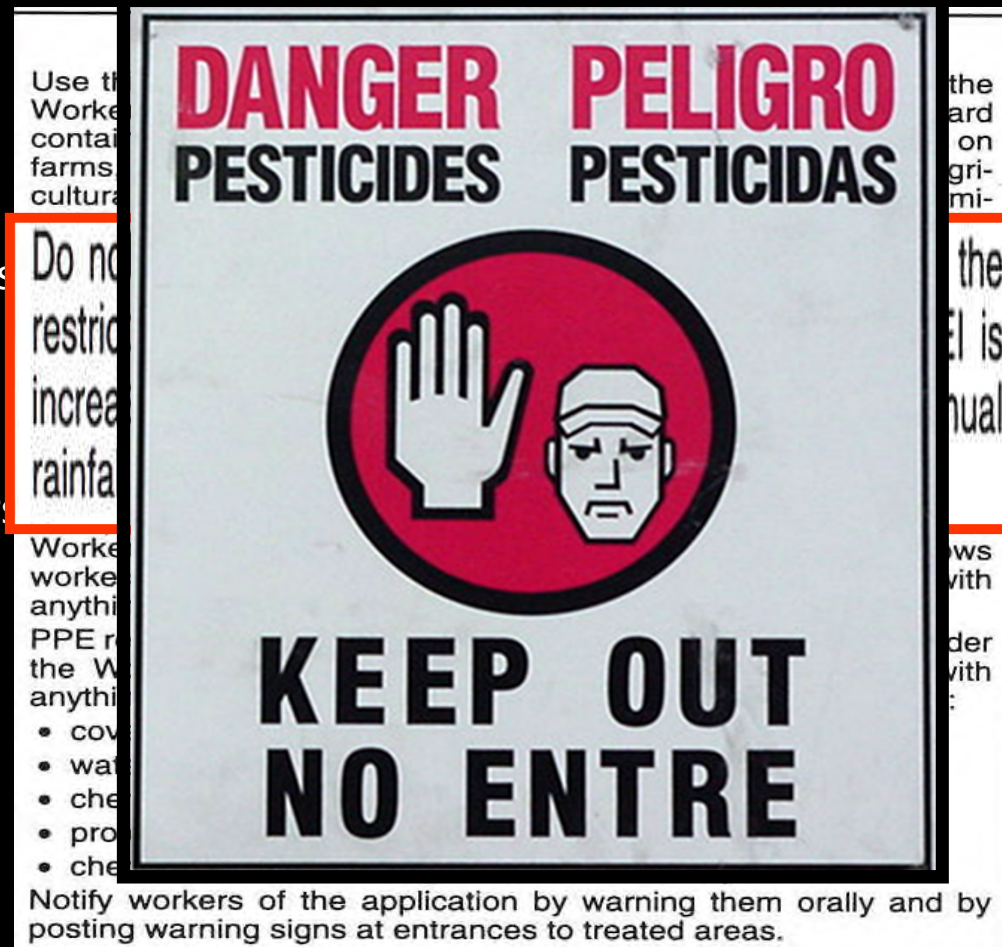
2a. Handlers Performing Tasks with No Liquid Contact Potential – Broadcast, In-Bed Applications, or Applications at the Time of Bedding Except as in 2b.

Tasks with no liquid contact potential are tasks performed outdoors or in a well-ventilated area. These tasks include:

- Tractor driving
 - Soil sealing
 - Field activities on the day of application that do not disrupt the soil at the depth of liquid injection
- A respirator is not required (not applicable in California) if the occupants are within an enclosed cab that is in conformance with one of the following: 1) ANSI/ASAE S525-1.1 MAY98 sections 7.1.5, 7.1.7, 7.2.3, and 9, or 2) the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides -- 40 CFR 170.240(d)(5). The cab must be equipped with a vapor-adsorptive filter containing a minimum of 1000 grams activated charcoal. The filter must be changed after no more than 50 hours of application time. See further respirator requirements in the User Safety Requirements section on this label.

Notification of Entry Restrictions

- Posting Warning Signs
 - Outdoor production if REI > 48 hours
 - Enclosed space production REI > 4 hours
- Warning Signs or Oral Warning
 - Outdoor production REI ≤ 48 hours
 - Enclosed space production REI ≤ 4 hours



Respirators

❖ Goal

- ❖ Handler must be physical capable of wearing a respirator
- ❖ Receives the intended protection by having the respirator fit properly and
- ❖ Knows how to use the respirator correctly

❖ Requirement

- ❖ Medical evaluated (record retained for 2 years)
- ❖ Fit testing (Annually)
- ❖ Records (retained for 2 years)
 - Name of Handler
 - Type of fit test performed
 - Make, model, size of respirator
 - Date of fit test and Results of fit test
 - Pass/Fail for qualitative fit test
 - Fit factor determined, strip chart recording or other record of the test results for a quantitative fit test.



- ❖ Annual respirator training (name/signature, date of training, trainer's name and training topics)

EXAMPLE OF PESTICIDE PRODUCT LABEL LANGUAGE

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Causes moderate eye irritation. Harmful if swallowed or absorbed through the skin. Avoid contact with skin, eyes, or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are made out of any waterproof material.

All pilots and flaggers must wear: Long-sleeved shirt and long pants, shoes plus socks. In addition to the PPE above, groundboom applicators must also wear chemical-resistant gloves.

All mixers, loaders, other applicators, and other handlers must wear: Long-sleeved shirt and long pants, shoes plus socks, chemical-resistant gloves and chemical-resistant apron when mixing, loading, or cleaning equipment or spills, and a NIOSH-approved particulate filtering respirator equipped with any N, R, or P class filter media. The respirator should have a NIOSH approval number prefix TC-84A.

Labels can be confusing because respirator terminology has been changed by NIOSH. In 1995, NIOSH took over full responsibility for respirator certifications from the Mine Safety and Health Administration (MSHA). Some pesticide labels continue to use the old terms.

Translation key to 1995 revised NIOSH respirator certification standards and pesticide labeling-related changes in respirator terms:

| Outdated respirator terms used on labels | | Current NIOSH respirator terms used on labels |
|--|---|---|
| NIOSH/MSHA | → | NIOSH |
| Dust/Mist | → | Particulate |
| Pre-filter approved for pesticides | → | N, R, or P filter, to be used in combination with a chemical cartridge |
| Canister approved for pesticides | → | Canister [contaminant specific] |
| N, R, P or HE filters | → | N, R or P (HE filters can only be used on Powered Air-Purifying Respirators (PAPRs)) |

LEVELS OF RESPIRATORY PROTECTION

– Most protective from top to bottom



NIOSH Approval #TC-13F Self-Contained Breathing Apparatus (SCBA)
Air supplied from a pressurized tank to a full-face mask.



NIOSH Approval #TC-19C Supplied Air Respirator* (SAR)
Air supplied through an air hose from a source such as an air compressor.



NIOSH Approval #TC-14G Air Purifying full-face respirator with a canister specified for a type of chemical contaminant such as organic vapors (OV) (gas mask).



NIOSH Approval #TC-84A Air Purifying full-face respirator with combination OV cartridge and N-type particulate filter.



NIOSH Approval #TC-23C Powered Air Purifying Respirator (PAPR) with OV and combination HE filters.



NIOSH Approval #TC-21C Powered Air Purifying Respirator (PAPR) with particulate HE filter.



NIOSH Approval #TC-84A Air purifying half-face (elastomeric) respirator with combination OV cartridge and N-type particulate filters.



NIOSH Approval #TC-84A Air purifying half-face (elastomeric) respirator with P-100 (magenta) particulate filters.



NIOSH Approval #TC-84A Filtering face-piece respirator (May be an N-, R-, or P-type particulate filter.) This is also known as a 'disposable' respirator because none of its parts are replaceable.

*Upper right image courtesy of Honeywell Industrial Safety

Family Ag. Establishments

- WPS requirements for respirator training, medical evaluation, fit testing, and recordkeeping when respirators are required by the label
- Use PPE listed on pesticide labeling
- Keep immediate family members out of treated area until REI expires
- Ensure pesticides are applied
- Keep everyone, including immediate family members, away from treated area during application and the application exclusion zone
- Pesticides are used in a manner consistent with the product's labeling
- After January 1, 2018, any handler must suspend a

WPS Training Materials

- <http://pesticideresources.org//index.html>

Train-The-Trainer Waiting List

WPS@isda.Idaho.g

OV

Questions?



Thank you