

First Aid



Chapter 8

Responding to a Pesticide Exposure

Chapter 9

Heat Stress

Chapter 8 (pg. 73)

Responding to a Pesticide Exposure

- ▶ Pesticide label is very important!
- ▶ **“FIRST AID”** or **“STATEMENT OF PRACTICAL TREATMENT”**
- ▶ Provides instructions in case of poisoning
- ▶ **All “Danger” & “Danger – Poison”**
 - ▶ Note to physicians
 - ▶ Medical procedures and antidotes

KEEP OUT OF REACH OF CHILDREN

DANGER

PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

FIRST AID

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

You may also contact 1-800-441-3637 for medical emergencies involving this product.

Know When to Act

- ▶ Hard to distinguish between pesticide poisoning and just plain sick.

Play it safe!

If you are working with pesticides assume it is pesticides.

- ▶ Leave the treated area and seek help
- ▶ Responding quickly is vital!

Seek medical help

- ▶ Become ill soon after contact w/pesticides
- ▶ Swallows pesticides
- ▶ Gets pesticides in their eyes
- ▶ Dermal/inhalation exposure symptoms

Have a Copy of the Label with you!



First Aid

<u>Dermal Exposure</u>	<u>Eye Exposure</u>	<u>Inhalation Exposure</u> dusts, vapors, gases
<ul style="list-style-type: none">• Remove contaminated clothing• Wash with large quantities of water• Cleanse skin (soap/detergent)• Gently dry and wrap loosely• Loosely cover chemical burns	<ul style="list-style-type: none">• Act very quickly!• Hold eyelids open and flush with water• Rinse continuously for 15 minutes• Cover eye and seek medical attention	<ul style="list-style-type: none">• Carry them immediately to fresh air!• Have them lie down and loosen clothing• Keep person warm and quiet• Keep their chin up to breathe easier

First Aid

Swallowed Poisons

- ▶ Induce vomiting only if the label or medical professional tell you.

Never induce vomiting if victim:

- ▶ is unconscious or convulsing
- ▶ has swallowed a corrosive poison
- ▶ has swallowed emulsifiable conc./oil

How to induce Vomiting

- ▶ Dilute with 2 glasses of water
- ▶ Prevent vomit from entering lungs
- ▶ Use finger or blunt end of spoon
- ▶ Get to the hospital!!!



Shock

The body goes into shock when it can't get enough blood to the vital organs like your heart or brain.

Symptoms:

- ▶ Skin pale, moist, clammy, and cold
- ▶ Dilated pupils, shallow irregular breathing
- ▶ Weak pulse, faint or unconscious

What to do:

- ▶ Lay victim flat on their back
- ▶ Raise their feet 1-1.5 ft. above head
- ▶ Keep warm and quiet

First Aid Kit

- ▶ One quart clean water
- ▶ Detergent/soap
- ▶ Paper towels
- ▶ Eyewash bottle
- ▶ Bandages
- ▶ Chemical resistant gloves
- ▶ Blanket
- ▶ Small plastic jar
- ▶ Activated charcoal

Chapter 9: Heat Stress (pg. 81)

- ▶ **Heat Stress:** Buildup of body heat
- ▶ **Heat Illness:** Disorders that can occur when body is subjected to more heat than it can cope with.
- ▶ Symptoms can be confused with acute pesticide poisoning.



Overheated

- ▶ Less blood to muscles, organs, & brain
 - ▶ Weaker, less alert, poor judgement
 - ▶ Increased body temp and heartrate
-
- ▶ 2°F ↑ - ability to reason impaired
 - ▶ 5°F ↑ - life threatening

Heat Stress Factors



5 Steps to Avoid Heat Stress

1. Manage Work Load

- ▶ Allow your body time to adjust
- ▶ Work for short periods
- ▶ Take frequent breaks

2. Account for Heat

- ▶ Schedule heavy labor in morning
- ▶ Work in the shade
- ▶ Cooling vests

3. Select Appropriate PPE

- ▶ Wear minimum listed
- ▶ Risky to ignore in heat
- ▶ Wide-brimmed hat

4. Drink Plenty of Water

- ▶ Before & after work, breaks
- ▶ Do not wait until you are thirsty!
- ▶ Replace what you lose in sweat

5. Stop Work if Necessary

- ▶ Recognize symptoms of heat illness
- ▶ Heat illness may be unavoidable on hot day.
- ▶ Do something else until conditions improve.

Heat Illness

Symptoms

- ▶ Range from dizziness and red spots to cramps, muscle spasms, nausea.
- ▶ Heat stroke could be fatal! 20%
- ▶ The symptoms can be similar to those of pesticide poisoning!

First Aid

- ▶ Get victim into a shaded cooler area
- ▶ Remove PPE and clothing
- ▶ Cool victim as fast as possible
- ▶ Drink as much cold water as possible

