# **Understanding pesticide labels**

NACCHO Vector Control Summit Orlando, FL March 15, 2018

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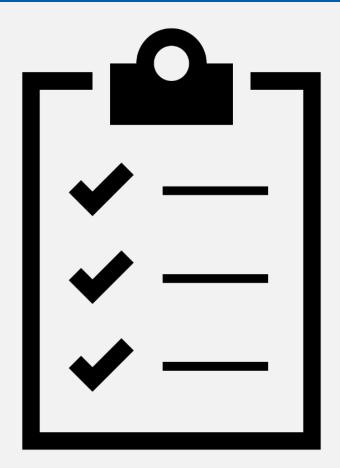
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#### What we will discuss:

- Why pesticide labels matter?
- Parts of a label
- Safety data sheets (SDS)
- Understanding directions for use
- Basic rate calculations



### Why pesticide labels matter:

- What does a pesticide label tell you?
- The label is the LAW
  - "The USER is liable for personal injury, crop or site damage, or pollution that occurs through misuse of a pesticide"
  - Civil or criminal
- What are other reasons to follow the label?

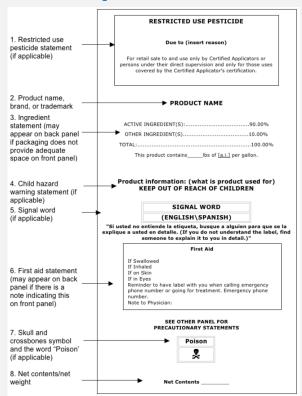


#### Parts of a label:

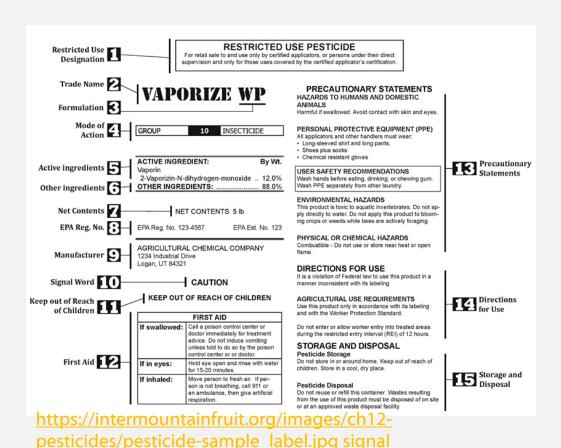
- Name, brand, or trademark product sold under
- Name and address of the producer or registrant
- Net contents
- Registration numbers & establishment number
- Ingredient statement
- Signal Words
- Warning or precautionary statements
- Directions for use
- Use classification



#### **Sample Labels:**

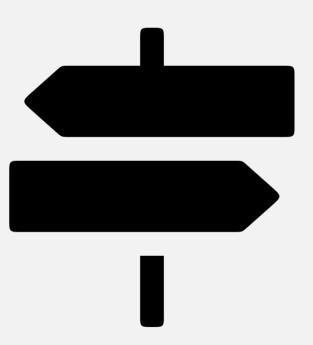


https://www.epa.gov/pesticide-labels/label-review-training-module-2-parts-label-page-4



## **Understanding directions for use:**

- How the product can and can't be used
  - Pests
  - Sites
  - Rates
  - Restrictions
  - Maximum active ingredient per treatment/year
  - Storage and disposal
  - Any other requirements, as necessary

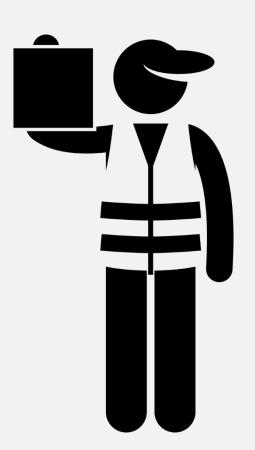


1. National Pesticide Applicator Certification Core Manual, 2014

## **Safety Data Sheets (SDS):**

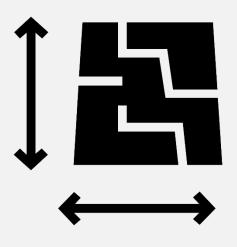
- Formerly Material Safety Data Sheets (MSDS)
- Since 2016, Globally Harmonized System
  - Standard format including 16 sections
- Detailed information on:
  - Chemical properties
  - Firefighting measures
  - First aid
  - PPE
  - Spills





#### **Basic rate calculation:**

- Why is it important to use the right amount of pesticide?
- What do you need to know?
  - Application rate
  - Treatment area
  - Unit conversions





### **Sample Calculation 1:**

 You need to treat a canal that is 15 feet wide and 3 miles long. The label for the larvicide you are using gives an application rate of 3 lbs per acre. How much product will you need for this job?



## **Sample Calculation 2:**

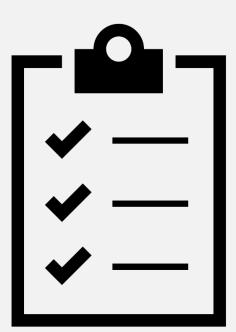
You are using the label rate of 1.5 oz/per acre in your ULV (Ultra Low Volume) sprayer. Last night your technician recorded that he used 19.9 gallons of product. His route was 33 miles long. Is this accurate?

### **Sample Calculation 3:**

You are in charge of ordering larvicide for the season. You have about 90 acres of standing water in your jurisdiction. You decide to buy a product that will last about 30 days per application. The application rate on the label 6 lbs/acre. They come in 50 lbs bags and cost \$200 per bag. How many bags will you need for a season that runs from May 1 to October 31? How much will it cost?

#### What we discussed:

- Why pesticide labels matter?
- Parts of a label
- Understanding Directions for Use
- Basic Rate Calculations



#### **Additional resources:**

- Pesticide Label Review Training
  - https://www.epa.gov/pesticide-labels/pesticide-label-review-training
- EPA Pesticide Label Information
  - https://www.epa.gov/pesticide-labels
- National Pesticide Applicator Certification Core Manual
  - http://www.scmac.org/PDF/CoreManual2.pdf







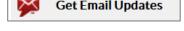


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### Feel free to contact me with any questions at:

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