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Federal Pesticide Laws

Chapter 2

National Pesticide Applicator Certification Core Manual





Federal Pesticide Laws

This module will help you:

- Understand key federal laws and regulations
- Understand the importance of good record keeping



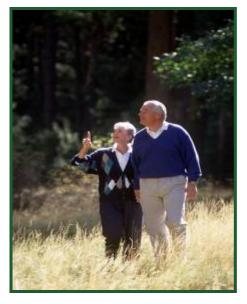


Federal Pesticide Laws...

are meant to protect public health and the environment

regulate registration, labeling, sales, distribution, transport., storage, application, disposal, food safety





FIFRA

- Federal Insecticide, Fungicide, & Rodenticide Act
- Enacted by U.S. Congress in 1947
- Administered by the Environmental Protection Agency (EPA)



Environmental Protection Agency (EPA)

- Registers and licenses pesticides for use
- Ensures both human and environmental health are evaluated
- Precautions and restrictions put into place to prevent adverse effects



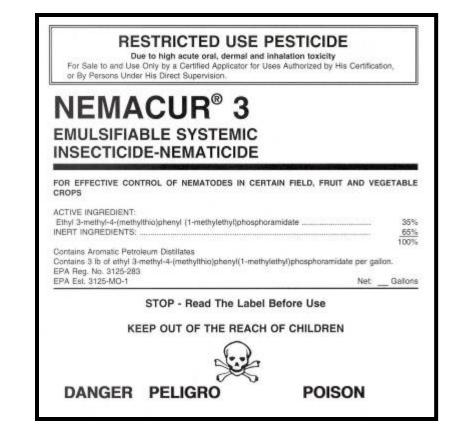
EPA: Important facts

- The EPA can stop the sale or use of any pesticide at any time
- Labeling and packaging must be consistent throughout the U.S.
- State law can be more restrictive than federal law!



The EPA

- Approves pesticide labels as LEGAL documents
- Reevaluates older pesticides under current standards
- Violators are subject to penalties



Pesticide Classification

- General Use (or unclassified use):
 - normally lower toxicity
 - no special licenses or permits required

Restricted Use (RUP):

- may cause adverse effects to human health or the environment
- must be stated on the federal label
- sold only to certified applicators
- applied only by certified applicators or employees under their direct supervision

Pesticide Classification

Different formulations containing the same active ingredient (Ai) may be classified differently.

For example:

An emulsifiable concentrate containing 70% Ai may be classified as Restricted Use

A granular product containing only 5% Ai may be classified as General Use or Unclassified

Pesticide Classification

General or **Unclassified Use**

EELH

HERBICIDE

FOR POSTEMERGENCE ANNUAL AND PERENMAL GRASS CONTROL IN TURFGRASS INCLUDING SOD FARMS, CONWERCIAL AND RESIDENTIAL TURF, AND ORWAINEWTALS

ACTIVE INGREDIENT:

fenorapop-p-eftyl((+)-ethyl 2-(4-((6-chino-2-benzozazolyling)))hencoy(propanoale	
INERT INGREDIENTS:	93.41%
Tetal:	100.80%

*Equivalent to 0.57 pound of pure fenoxaprop-p-ethyl (d isemet) per gallen **Cantains pationaum distillatas Protected by U.S. Patent No. 5,254,527

KEEP OUT OF REACH OF CHILDREN.



For the control of most kinds of unwanted trees and brush, as well as annual and perennial broadleaf weeds on rangeland, permanent grass pastures, conservation reserve program (CRP) acres, fence rows, Follow manufacture (s instructions for clear such instructions for washables, use detay wash PPE separately from other laundry. or PPE must not be reused until it has been Engineering Controls When handle's use closed systems, endo manner that meets the requirements listed 170,240(d)(4-6), the handler PPE requirem modified as specified in the WPS. User Safety Recommendati Jeans should: Wash hands before eating, drinking, phy

or using the total. Remove clothing immediately if peaking theroughly and put on clean clothing. Remove PPE immediately after handling autside of claves before removing. As a thoroughly and change into clean clothin

First Aid

If in eyes: Hold ago open and rinso slowly 5-20 minutes. Remove contact lanses, i 5 minutes, then continue rinsing eye. Call

Restricted Use

	AMBUSH® 0.5% BAIT
(3-phenoig)	DIENT: Pormathrin % By Wt. pheroti methyl(±)-cis, trans-0-(2,2-dichloroethenyl)-2,2-dimethyloydopropanecarboxylate
	Cature ndix Nr. 36% (1) th and non. 65% (1) tensor KEEP OUT OF REACH OF CHILDREN CAUTION
in it to ye EYES: A SKIN:	The track and an anti-
	NEMACUR [®] 3 EMULSIFIABLE SYSTEMIC INSECTICIDE-NEMATICIDE
	FOR EFFECTIVE CONTROL OF NEMATODES IN CERTAIN FIELD, FRUIT AND VEGE MBLE CROPS
	ACTIVE INGREDIENT: End 3-methyl-4-(methylitholghenyl [1-methylethyl]phospharamidate 35% INERT INGREDIENTS: 155%
	Contains Aromatic Petroleum Distillates Contains 3 lb of ethyl 3-methyl-4-(methylthio)ghenyl(1-methylethyl)phosphoramidate per gailon. EPA Est, 3-125-283 EPA Est, 3-125-MO-1 Net:
	STOP - Read The Label Before Use
	KEEP OUT OF THE REACH OF CHILDREN

Certified Applicators

are recognized by the state as being competent to purchase and use (or supervise the use of) restricted use pesticides.



Private Applicator

a certified applicator producing an agricultural commodity on owned, rented, or leased property or his employers agricultural property



FIFRA Category – states may use different name!

Commercial Applicator

a certified applicator operating on any other private or public property



rights-of-way, hospitals golf courses, aquatic sites







homes, businesses

FIFRA Category – states may differ!

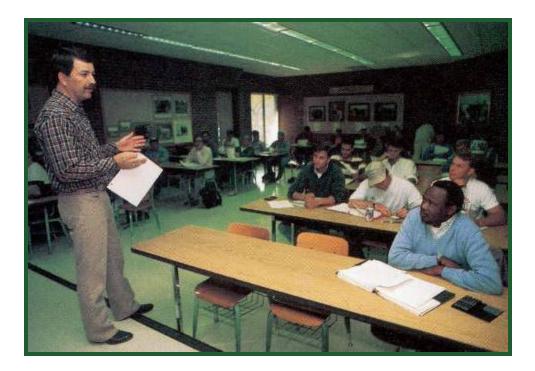
Certified Applicators

- Only certified applicators or individuals under their direct supervision may mix, load, apply or direct the use of restricted use pesticides
- Check to make sure direct supervision is allowed in your state



Certified Applicators

Certification requires applicators to demonstrate broad-based knowledge and competency in understanding label language, pesticide use and handling.



Following Labels

- Certified applicators MUST follow the label, unless exemptions for specific uses are listed
- State and local laws may override these exemptions – check with state and local agencies first!



Label "Rules of Thumb"

- The site must be stated on the label
- The target pest does not need to be listed
- Any application method may be used, unless prohibited by the label
- Applications may be made at a rate less than that stated on the label, not more!
- Tank mixtures are OK, unless the label says otherwise

State Pesticide Laws

- State lead agencies enforce both federal and state pesticide laws
 - Commonly the Dept. of Agriculture or the environmental conservation agency
- State law is often more restrictive than federal law
- Applicators are responsible for knowing the law, even when it changes. Stay informed!

Pesticide Registrations

- Any product that claims to control, repel, attract, mitigate a pest
- Standard Section 3
- Special Local Need 24c
- Emergency Exemption section 18
- Minimum Risk no registration required
- Experimental Use Permits



Special Provisions

Special Local Needs: provides states the authority to register an additional use of a federally registered pesticide to treat an existing or imminent pest problem





Special Provisions

Emergency Exemption: The use of a federally registered pesticide is granted when an emergency pest problem arises for which no pesticides are registered for that situation



Special Provisions

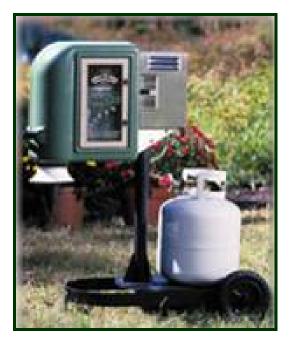
Minimum-Risk Pesticides

- exempt from EPA review o label approval
- Section 25b chemical list
- Experimental Use Permits (EUPs)
 - allow field testing of new products



Pest Control Devices

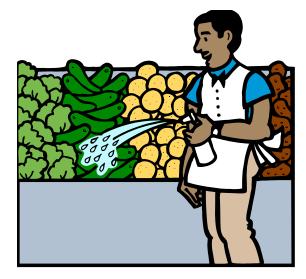
- Device: any instrument for trapping, destroying, repelling, or mitigating a pest (even a black light trap)
- The EPA requires the registration of all firms and organizations that produce devices



Pesticide Reregistration

- EPA reviews older pesticides every 15 years
- Products must meet safety standards according to the Food Quality Protection Act (FQPA) of 1996
- All products are screened for all routes of exposure in determining safe levels of residues in food





Food Quality Protection Act (FQPA)

- stablishes food residue tolerances only when there is "reasonable certainty" of no harm
- considers cumulative exposures
- considers greater risks to infants and children
- mandates the review of older pesticides under new standards – every 15 years
- mandates testing for endocrine disruption
 - linked to sexual, behavioral, developmental, reproductive problems

Residues & Tolerances

EPA regulates residues and tolerances

- Residue: the amount of pesticide that remains on food or feed at time of harvest
- Tolerance: the maximum legal amount of residue that is allowed to remain on or in treated crops or animals that's sold for food or feed



Setting Pesticide Tolerances

- EPA considers
- Toxicity of pesticide and its breakdown products



- Amount and frequency of application
- Amount of pesticide remaining on food at time of market or processing
- United States Department of Agriculture (USDA) information on eating habits

Pesticide Tolerances

Residues at harvest pose "reasonable certainty of no harm" when applied according to label directions

 Tolerances also apply to imported food Goal: Safe food supply

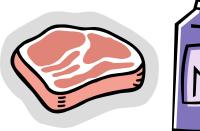


Who enforces pesticide tolerances?

Food & Drug Administration (FDA) monitors residues on food and feed (domestically, imports and exports)



- U.S. Department of Agriculture (USDA) monitors meat and milk
- State agencies also conduct enforcement

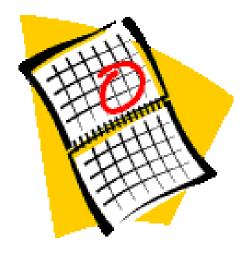




How does a pesticide applicator meet tolerance levels?

- Tolerances well within limits if label followed
- Apply only to crops listed on the label no deviation!
- Follow application rates!
- Wait until the preharvest interval (PHI) has passed: the number of days from application until harvest or slaughter





Violations of Federal Law:

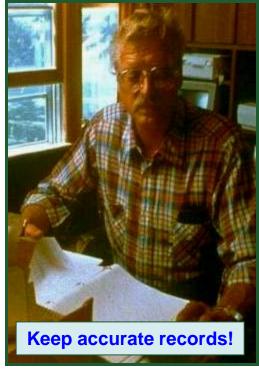
- Violation: Distributing, selling, or delivering an unregistered pesticide
- Violation: Advertising not in accordance with the label specifications



Violation: Selling a registered product if its content does not conform with the label information

Violations of Federal Law:

- Violation: Selling adulterated or misbranded pesticide
- Violation: Detaching, altering, or defacing a container or label
- Violation: Forbidding EPA inspections



- Violation: Making a guarantee or recommendation that does not conform to the label
- Violation: Inaccurate record keeping

Violations of Federal Law:

- Violation: Making a restricted-use pesticide available to a non-certified applicator
- Violation: Advertising a restricted use pesticide without telling the audience



Violation: Using a pesticide in any manner inconsistent with its label!

Penalties for FIFRA Violations

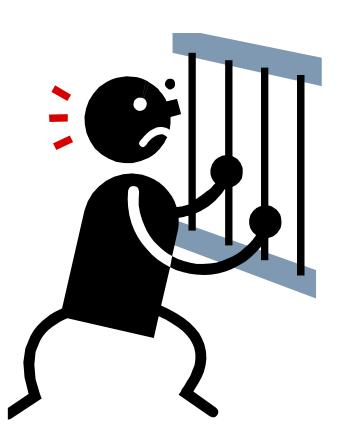
Civil Penalties

- Private Applicators: 1st time, warning; other offenses, up to \$1000
- Most applicators and dealer managers: up to \$5,000 per offense
- Size of operation, impact and gravity of violation all considered in deciding the penalty amount

Criminal Penalties

- Misdemeanor
- Private Applicators: up to \$1000 and/or 30 days in prison
- Commercial Applicators: up to \$25,000 and/or up to 1 year in prison
- Producers: up to \$50,000 and/or up to 1 year in prison

THE LABEL IS THE LAW!



Federal Laws to Know

- Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA)
 - governs pesticide registration, sales, application, and disposal
- Food Quality Protection Act (FQPA)
 - sets tougher standards for pesticides used on food
- Federal Food, Drug and Cosmetics Act (FFDCA)
 - governs pesticide tolerances

The Worker Protection Standard (WPS - agriculture only)

- Employers must provide protections against possible harm from pesticides
- Reduces pesticide risks to:
 - agricultural workers
 - pesticide handlers
- Applies to owners and operators who apply pesticides on agricultural lands, as well as consultants



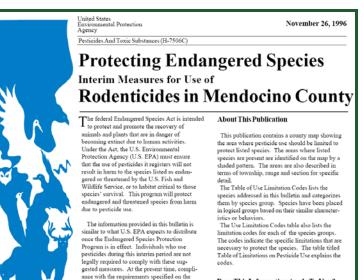
The Endangered Species Act

- Administered by U.S. Fish & Wildlife Service
- Must not harm endangered or threatened species or their habitat
- it's illegal to kill, harm or collect endangered or threatened fish, plants, or wildlife
- EPA must ensure pesticide use will not harm endangered and threatened species



Endangered Species Protection Program

- Administered by state lead agencies and the EPA
- Labels direct applicators to consult a county bulletin to check for special restrictions



pesticide product labeling will satisfy all legal

Does This Information Apply To You?

Endangered Species Protection Program

- Must ensure pesticide use does not harm the threatened or endangered species or their habitat
- Precautionary measures may include buffer strips, reduced application rates, timing restrictions and prohibited use in specific areas





Keeping Records

- EPA administers federal laws for commercial applicators
- USDA enforces federal laws for private applicators
- State and local governments may have more strict requirements



Keeping Records is Smart

- Meet state and federal requirements
- Document professionalism, which can protect you in a lawsuit
- Evaluate the effectiveness of treatments
- Help time purchases efficiently to increase profits and avoid costly disposal problems.
- Provide information in medical emergencies
- Contribute to data that play a key role in documenting the benefits of pesticides

Training Records

Keep records of pesticide training for your employees!

Not required, but they do verify that employees received adequate training

Keep names, ID numbers, signatures, dates, copies of training materials

Summary

- Federal regulations protect human health and the environment
- Applicators are responsible for knowing and complying with the law
- State and local pesticide laws are often more restrictive!
 - State registrations and distribution

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Certification and licensing



Summary

The EPA sets pesticide tolerances after conducting numerous studies

The Food Quality Protection Act (FQPA) requires that EPA consider cumulative exposures and increased risks for infants and children

The FDA and USDA enforce pesticide tolerances on food and feed

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Summary

- The Worker Protection Standard (WPS) protects agricultural employees, and mandates pesticide safety training
- The Endangered Species Act protects endangered and threatened species and their habitats from adverse effects of pesticides
- Applicators must keep adequate records according to requirements established by the federal and state agencies

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Remember

- Follow the label- it's the law!
- It's the responsibility of applicators to know the laws affecting their work
- By complying with the law, applicators avoid costly penalties and ensure safe, effective pesticide use

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Q1. Which federal agency sets pesticide tolerances?

- A. Environmental Protection Agency (EPA)
- B. US Department of Agriculture (USDA)
- C. Food and Drug Administration (FDA)
- D. Occupational Safety and Health Administration (OSHA)

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Q2. Who can legally purchase a restricted use herbicide?

- 1. certified private applicator
- 2. certified commercial applicator
- 3. farmer
- 4. government employee



Q3. The Worker Protection Standard affects which groups who apply pesticides?

- A. Private applicators
- B. Commercial turf and landscape applicators
- C. Commercial seed treaters
- D. Commercial rights of way applicators



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FXTENSION

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