



Pesticide Control Program HW Handler Seminar

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What is Considered a Pesticide?

- Pesticides are substances used to control living organisms
- Includes a wide range of substances such as insecticides, herbicides, disinfectants, and rodent baits
- “Pesticide” means and includes any substance or mixture of substances labeled, designed or intended for use in preventing, destroying, repelling or mitigating any pest



Who is Required to have a Pesticide License?

- Most people who apply pesticides as part of their job or on a for hire basis need to be licensed as a Commercial Pesticide Applicator
 - Examples: Exterminators, Landscapers, Agricultural Employees, School Employees, Manufacturing Facility Employees, Medical Facilities Employees
- 



Who is Required to have a Pesticide License?

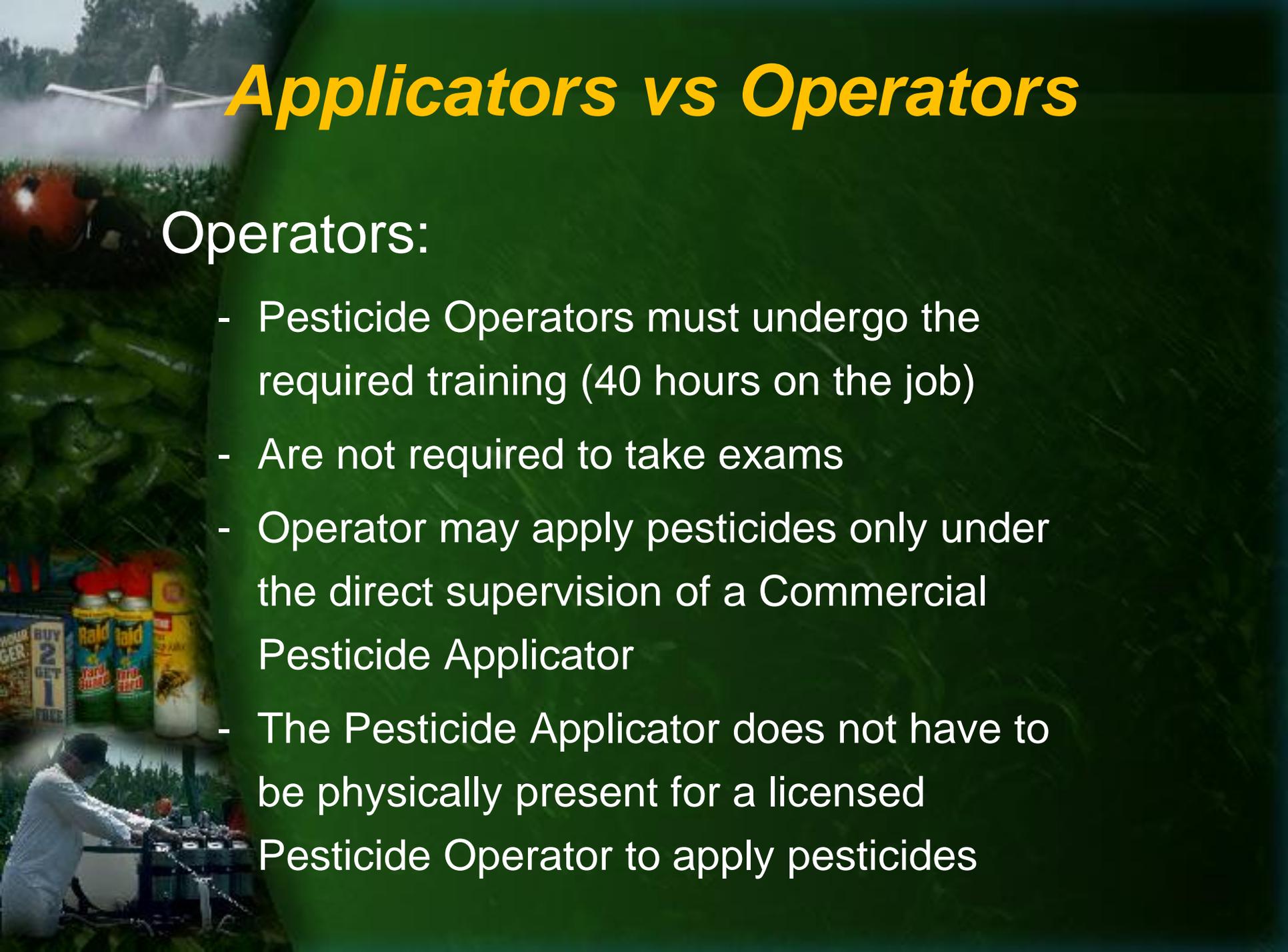
- If you are applying pesticides at work, you must be licensed.
- Records of each Pesticide application must be kept (three years)
- If no one is licensed, pesticide applications must be contracted out
- Licensed individuals are either Pesticide Applicators or Pesticide Operators



Applicators vs Operators

Applicators:

- Are certified by fulfilling the training requirements and passing the necessary exams
- Applicators may also purchase Restricted Use Pesticides (Operators Cannot)
- The Applicator is responsible for all pesticide applications by himself/herself plus all applications performed by Operators



Applicators vs Operators

Operators:

- Pesticide Operators must undergo the required training (40 hours on the job)
- Are not required to take exams
- Operator may apply pesticides only under the direct supervision of a Commercial Pesticide Applicator
- The Pesticide Applicator does not have to be physically present for a licensed Pesticide Operator to apply pesticides



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Bureau of Licensing & Pesticide Operations

ATTENTION COMMERCIAL PESTICIDE APPLICATORS

The 7B Training Manual (Termites and Wood Destroying Insects) has been newly updated (12/14). As of February 2015, the 7B exam will be a CLOSED book exam. Please prepare accordingly.

About Us

The Bureau of Licensing and Pesticide Operations (BL&PO) provides administrative support for the following professional licensing and/or certification programs:

- [Landscape Irrigation Contractors](#)
- [Pesticides \(Licensing, Exam Info, Products, Permits\)](#)
- [Underground Storage Tank Contractors](#)
- [Water Supply and Wastewater Treatment Operators](#)

What We Do

The BL&PO performs the required administrative process functions to meet the licensing and/or certification program demands:

- Reviews and processes applications
- Schedules and administers exams
- Issues certifications, licenses, and permits
- Tracks individual continuing education credits
- Does customer assistance, educational outreach, and training
- Facilitates licensing Board, advisory, and stakeholder meetings

[Resources](#)

[Contact Us](#)

DIVISIONS AND PROGRAMS

Air and Hazardous Materials Enforcement

- ▶ Air
- ▶ Hazardous Waste
- ▶ Underground Storage Tanks (UST)
- ▶ Diesel Enforcement
- ▶ Local Environmental Management

Licensing Operations, Solid Waste and Pesticide Enforcement

- ▶ Solid Waste
- ▶ Pesticide Compliance
- ▶ Licensing and Pesticide Operations

Water and Land Use Enforcement

- ▶ Water
- ▶ Coastal and Land Use

- Stewardship ▶
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when sold. The new 6B exam will reflect both the supplemental documentation and the actual Cornell Manual. This manual will be available for purchase in December 2015.

The new 6B exam will begin in January 2016. Please study and prepare accordingly.

- Underground Storage Tanks (UST)
- Water and Land Use Enforcement**
- Water
- Coastal and Land Use

ADVISORY:

As of July 1, 2015, the New Jersey Department of Environmental Protection (NJDEP) will be charging a convenience fee for credit card payments when paying on line for pesticide licenses and pesticide product registrations.

If you want to visit the [Pesticide Compliance web page](#) click [here](#).

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Licensing and Pesticide Operations Links

The links below are for Pesticide licensing and permit information, exam schedules and sign-ups and product and recertification information.

Online Payments

- [Process Product Registrations Online](#)
- [Look Up Your Product Invoice Number](#)
- [Pay For Your License Online](#)
- [Look Up Your License Invoice Number](#)

Credits and Courses

- ***New** [Check Your Credit and Course History - Commercial Applicators](#)
- ***New** [Check Your Credit and Course History - Private Applicators](#)
- [License Recertification Courses](#)
- [Basic \(Core\) and Category Training Courses](#)

Exams

- [Sign-Up](#)
- [Schedule](#)
- Results (available 2 weeks after test date)
If your last name begins with the letters:
 - A through I [click here](#)
 - J through Q [click here](#)
 - R through Z [click here](#)

Products

- [Information on Product Registration and Renewal](#)
- [Regulations](#)
- [Kelly Registration Solutions](#)

Permits

DIVISIONS AND PROGRAMS	
Air Enforcement	
▶	Air
▶	Diesel Enforcement
▶	Local Environmental Management
Pesticides, Waste and Underground Storage Tank Enforcement	
▶	Pesticide Compliance
▶	Licensing and Pesticide Operations
▶	Hazardous Waste
▶	Solid Waste
▶	Underground Storage Tanks (UST)
Water and Land Use Enforcement	
▶	Water
▶	Coastal and Land Use



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Licensing information:

- How to become licensed
- License status
- Recertification credits needed
- Course History (new)
- License expiration dates
- Recertification class schedule
- Exam schedules

Product information:

- Products by EPA Registration # and brand name
- Restricted Use Products



Applicator Certification/Registration

- **To Become an Applicator:**
- **A two step process**
- **Take an Approved Core Training Course**
 - **Pass The Core Test**
 - **Pass Category test(s) – (7A, 3A, 3B, etc.)**
 - **Exams are free - *However***
 - **\$50 No-show fee if you fail to show for exam**



Category of Work

Category 1A - Plant

Category 1B - Animals

Category 2 - Forest pest control

Category 3A - Ornamental

Category 3B - Turf

Category 3C - Interior plantscaping

Category 4 - Seed treatment

Category 5 - Aquatic pest control

Category 6B - Right of Way

Category 7A - General and household pest control

Category of Work

Category 7B – Termites & wood destroying insects

Category 7D - Food manufacturing and processing

Category 7E - Wood preserving pest control

Category 7F - Antifoulants

Category 8A - General Public Health

Category 8B - Mosquito control

Category 8C - Campground pest control

Category 8D - Cooling water pest control

Category 8E - Sewer Root Control

Category 8F - Pet grooming

Category 9 - Regulatory pest control

Category 12A - Water Sanitization

Category 12B - Sterilization

Category 13 - IPM in Schools



School IPM

“Integrated Pest Management”

Goal: To Reduce Pesticide Exposures

Minimizing Students’ risk of pesticide exposure while managing pest to protect Student health, school property and the environment, with a goal of reducing the reliance on pesticide use



What does the School IPM Act require?

- Schools will be responsible for naming an "IPM coordinator"
 - Oversee the IPM and pest control activities at the school,
 - Retain recorded information about pest control at the school,
 - Act as a contact for inquiries from students, staff, and parents.



What does the School IPM Act require?

- Additional responsibilities include an annual notice to parents and staff that describes the IPM program,
- Specific written notice and posting when pesticides are used,
- Restrictions on when pesticide can be applied, and re-entry times for pesticide treated areas.



Pesticide Exposure Dangers

- Three Main Ways of Immediate Exposure
 - **Dermal:** through your skin
 - **Absorbed:** through body openings - mouth, nose, eyes
 - **Inhalation:** breathing in spray, vapors, dust particles

Which is the most dangerous???

Pesticide Labels

- *In New Jersey – The label is the Law!*
- *You Must*
 - *Adhere to label safety requirements*
 - Mixing Instructions, mixing equipment
 - Personal Protection Equipment
 - Includes mask, gloves, respirator, clothing





Pesticide Product Labels

- *Labels Identify The Chemical Hazards*
 - Contents listed in a standard form
 - Registered uses –label list uses for the pesticide
 - If the intended use is not on the label – do not use!
 - Follow recommended doses and directions
 - Manufacturer has various names for same product (active ingredient)



Signal Words

- **All pesticides have a signal word – how dangerous the product is to humans.**
 - **Danger:** *highly toxic via oral, dermal, or inhalation. Will also say “poison” – skull and crossbones. One teaspoon could kill an adult*
 - **Warning:** moderately toxic via oral, dermal or inhalation. A tablespoon could kill an adult.
 - **Caution:** slightly toxic to relatively non-toxic via oral, dermal or inhalation. Ounce to more than a pint could kill an adult.

Specimen Label

RESTRICTED USE PESTICIDE DUE TO INHALATION TOXICITY

For sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.



Vikane*

Specialty Gas Fumigant

*Trademark of Dow AgroSciences LLC

For control of: Existing infestations of insects and related pests such as (or including) drywood termites, Formosan termites, powder post beetles, death watch beetles, old house borers, bedbugs, cockroaches, clothes moths, rodents (rats, mice), and the larvae and adults of carpet beetles (except egg stage), oriental, American, and brown-banded cockroaches.

For use in: Dwellings (including mobile homes), buildings, construction materials, furnishings (household effects), shipping containers and vehicles including automobiles, buses, surface ships, rail cars, and recreational vehicles (but not including aircraft).

When fumigating, observe local, state, and federal rules and regulations including such things as use of chloropicrin, clearing devices, positive-pressure self-contained breathing apparatus, security requirements, and placement of warning signs.

Active Ingredient	
sulfuryl fluoride	99.8%
Inert Ingredients	0.2%
Total	100%

EPA Reg. No. 62719-4

Keep Out of Reach of Children

DANGER  **POISON**
PELIGRO

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

Precautionary Statements

Hazards to Humans and Domestic Animals

Extremely Hazardous Liquid And Vapor Under Pressure • Inhalation of Vapors May Be Fatal • Liquid May Cause Freeze Burns of Exposed Skin

Do not get in eyes, on skin, or on clothing. Vikane* gas fumigant is odorless. Exposure to toxic levels may occur without warning or detection by the user.

First Aid

In all cases of overexposure, such as nausea, difficulty in breathing, abdominal pain, slowing of movements and speech, numbness in extremities, get medical attention immediately. Take person to a doctor or emergency treatment facility.

If Inhaled: Get exposed person to fresh air. Keep warm and at rest. Make sure person can breath freely. If breathing has stopped, give artificial respiration. Do not put anything in the mouth of an unconscious person. Call a poison control center or doctor for further treatment advice.

If Liquid Is On Skin or Clothing: Immediately apply water to contaminated area of clothing before removing. Once area has thawed, remove contaminated clothing, shoes, and other items covering skin. Wash contaminated skin area thoroughly or shower. Call a poison control center or doctor for treatment advice.

If Liquid Is 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.

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

Note to Physician: Vikane is a gas which has no warning properties such as odor or eye irritation. (However, chloropicrin is used as a warning agent in conjunction with Vikane and is a known lachrymator). Early symptoms of exposure to Vikane are respiratory irritation and central nervous system depression. Excitation may follow. Slowed movement, reduced awareness, and slow or garbled speech may be noted. Prolonged exposure can produce lung irritation, pulmonary edema, nausea, and abdominal pain. Repeated exposure to high concentrations can result in significant lung and kidney damage. Single exposures at high concentrations have resulted in death. Treat symptomatically.

Liquid Vikane in the eye may cause damage due to refrigeration or freezing.

Use Classification Statement

- **Restricted-use pesticides:**
 - Potential to harm humans, non-target organisms or the environment
 - Usually a concentrate
 - Applicators must be certified and demonstrate competence
- **Unclassified or General-use pesticides**
 - typically have lower toxicity
 - Many are “ready to use”
 - Can be used by the general public



controlling wasps
around homes



Pesticide Inspections

- **Inspectors check for:**
 - **Licenses:** All licenses are checked (Applicator & Operator)
 - **Application Records:** Every single pesticide application must be recorded & kept for three years.
 - Safety equipment and accident “spill kits”
 - Pesticide Storage areas
 - Service Vehicles
 - Use inspection: comparing pesticide application records to labeling instructions for the pesticide applied

Record Keeping

N.J.A.C. 7:30-6.8(a) and N.J.A.C. 7:30-7.3(a)

- **The date of application**
 - For pesticides having a specific REI listed on the label or labeling, the date of application shall include the hour completed; and
 - The re-entry time and date
- **The place of application**, namely the specific address, municipality and county.
- **The brand or trade name of the pesticide used**, the EPA registration #, and the active ingredient(s).

Record Keeping

N.J.A.C 7:30-6.8(a) and N.J.A.C. 7:30-7.3(a)

- The “Recipe” used to mix the pesticide
 1. The total amount of each pesticide concentrate used;
 2. The total amount of diluent;
 3. The size or area treated when rate per given area is on the label.
- The full name and pesticide applicator license number of the person making the application
- The site of application

COMMERCIAL APPLICATOR USE RECORDS FORM

1 Place Of Application	Application Date	2 Pesticide(s) Applied w/Al	EPA Reg. Number	Recipe (pest. conc./diluent)	Mix Applied	Application Site(s)	Applicator Name & Reg.#
	(Time applied if applicable)			(Total Concentrate Applied)	(Total Diluent Applied)		
1.							
2.							
3.							
4.							
5.							
6.							
7.							

1. For agricultural applications, the PLACE OF APPLICATION is the name and address of the farm and the specific field or land area and crop that was treated.
2. The brand or trade name of each pesticide used or symbol representing such name, providing the business also keeps a list which clearly correlates the symbol used with full and complete pesticide products name.
3. For pesticide applicator business applications of a termiticide, the record must also include a diagram of the structure treated, depicting the lower level of the structure, the location of the termite infestations and visible damage, areas treated, and any significant items such as location of known wells, drainage systems and streams and ponds which may be affected by the application.



Most Pesticides are highly flammable

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