

Introduction for New Pesticide Applicators in Virginia

Mike Parrish
Senior Agriculture Extension Agent
Dinwiddie, Virginia





Pesticide Management in VA

- **VA Pesticide Control Act (1989 law)**
 - In response to the federal pesticide law FIFRA (Federal Insecticide Fungicide and Rodenticide Act);
 - Deals with:
 - general provisions and definitions
 - label requirements
 - misbranding
 - product registration
 - pesticide applicator certification *
 - violations and penalties



Pesticide Management in VA

- **VDACS: Office of Pesticide Services**
 - Certification, Licensing, Registration
 - Enforcement and Compliance Assistance
 - Special Projects
- **VCE: Virginia Tech Pesticide Programs**
 - Education & Outreach
 - Special Projects



Pesticide Use: VA Definition

- “Pesticide Use” means

- ☐ application,
- ☐ supervision of an application, or
- ☐ job-related recommendation of a pesticide



- ☐ includes all of the routine activities that are part of a normal pesticide application:

- ☐ mixing,
- ☐ loading,
- ☐ cleanup, and
- ☐ disposal of excess mix, product, or containers.



Pesticide Application Techniques

- Liquid Application
 - Soil Injection

Broadcast Applicators

- Air Blast
- Boom – multi nozzle
- Hose – single nozzle
- Wipers and Wick



Pesticide Application Techniques

- **Dry Application**
 - Targeted applicators
 - Pellets and Baites
- **Broadcast**
 - Drop spreaders
 - Spinner or Cyclone





Responsibilities and Legal Obligations VA-Certified Applicators

- FOLLOW the LABEL
- Certification - how to get it, keep it
- Supervise employees
- Handle pesticides safely
- Keep accurate records
- Report incidents

For-hire application businesses (obtain, maintain):
VA Pesticide Business License
Financial responsibility / insurance



Applicator Certification

- **Who (in VA):**

- ☐ In VA, most people who use pesticides “on the job”

- **Why:**

- ☐ Human and environmental safety
- ☐ Allow EPA to register pesticide uses and reduce risk

- **How (in VA):**

- ☐ Pre-requisites = training, experience
- ☐ Demonstration of competency = written exam(s)



VA Certification Requirements

- Certification (of some type) is required of most **occupational** pesticide use:
 - ☐ **All** government employees
 - ☐ **All both nonagricultural** and agricultural applicators who work for hire
 - ☐ Many others who use pesticides as one of many duties (not for hire),
 - ☐ All farmers that use RUP's

Private Applicator

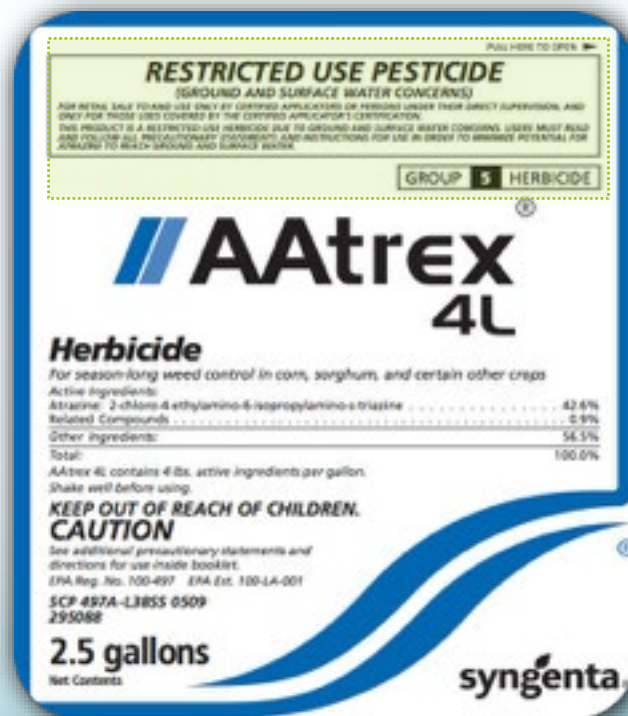
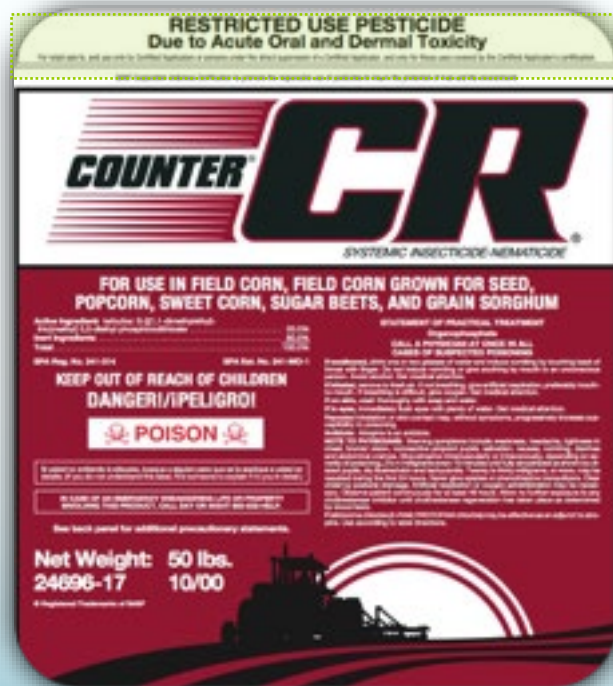
In Virginia, a private applicator is:

a person engaged in agricultural production on private property (owned, rented, or leased).



Private Applicator (continued):

- Agricultural producers must be certified to use **Restricted-Use** pesticides.





Private Applicator (continued):

- **Categories:**
 - ☐ **90 Food, Fiber, and Forest Product Production;**
 - ☐ **91 Ornamental and Greenhouse Production;**
- **Competency exam:** free
 - ☐ **Written test at extension agents office**
 - ☐ **Computer test at DMV (must have letter)**

Private Applicator

Product Label

- Always follow the label
- Label Sections
 - The label is the LAW
 - Product Name
 - EPA Registration Number
 - Caution Words
 - Precaution Section
 - Personal Protection Equipment and Usage
 - Product Usage and Crops and Rates
 - First Aid and Poison Control
 - Storage Spills and Disposal

Private Applicator Personal Protection Equipment

- **Raspatory Protection**
 - **Respirators (not dust masks)**
 - **Full face and Half face**
- **Dermal Protection**
 - **Basic –**
 - **Long sleeves, long pants and closed toe shoes**
 - **Specialized -**
 - **Tyvek Suits**
 - **Chemical Resistant Gloves, Boots and Aprons**
 - **Waterproof hardhats, hoods or helmets**

Private Applicator Personal Protection Equipment

- Ocular Protection
 - Respirators (not dust masks)
 - Full face and Half face
 - Safety Glasses
 - Face shields

Private Applicator Personal Protection Equipment

- Application Records are kept for two years
 - USDA - Date, applicator information, location, crop, size of area, product
 - Record Book
- Recertification every two years.
- Questions

Questions



Commercial Pesticide Applicators:

All others who **use pesticides for-hire**
or as **part of their job duties**



Commercial Pesticide Applicators (continued):

A “commercial applicator” uses
“...any pesticide for any purpose...”
on the job

(other than in agricultural production / private property).

- Certification requirements depend on the nature of the pesticide use:

- ☐ RUP or not;
- ☐ Application site(s);
- ☐ Type of Employer.





Commercial Applicator Classes:

- **Government Employee**

- Ex: Parks and Rec., Public Schools, VDOT, VCE agents, Professors and Graduate Students...

- **For-Hire**

- Ex: Applicators who work for lawn care, home pest control, tree companies...

- **Not-For-Hire**

- Ex: Golf course superintendents, apartment complex or industrial site maintenance workers...

- **Inactive**

- Not currently employed by a pest management/pesticide application agency or company.

Commercial Applicators (continued):

- ALL applicators who work **for-hire** must be certified to use *any* pesticide for *any* purpose...



Commercial Applicators (continued):

- Not-for-hire applicators who use pesticides “on-the-job” must be certified IF they:

- ☐ use restricted-use pesticides, or
- ☐ use pesticides in sensitive areas:
 - ☐ on any area open to the general public, including:
 - ☐ educational institutions,
 - ☐ health care facilities,
 - ☐ day-care facilities,
 - ☐ convalescent facilities;
 - ☐ where open food is stored, processed or sold;
 - ☐ on any recreational land over five acres.

RESTRICTED USE PESTICIDE
DUE TO AVIAN AND AQUATIC TOXICITY
FOR RETAIL SALE TO AND USE BY CERTIFIED APPLICATORS OR PERSONS UNDER THEIR DIRECT SUPERVISION, AND ONLY FOR THOSE USES COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION.





Exemptions / CA-RT Certification:

- Prospective RT's in training (40 hours OJT)
- Lab researchers
- Doctors and veterinarians (routine practice)
- Janitorial service workers using general-use pesticides
- Sellers & applicators of paints containing general-use pesticides
- TBT (marine anti-foulant) paint applicators w/supervision (1:8)
- Forestry workers using general-use products w/supervision (1:8)
- Growers and farmworkers who use only general-use products
- Government employees who use ready-to-use pesticides to avoid immediate personal harm from stinging or biting insects
- People who use general-use products on their property



Commercial User Certification Options:

- **Registered Technician**

Training in safe handling of pesticides, based on job duties.

- **Commercial Applicator**

Specific training in pest and pesticide management;
20 categories.





Registered Technician:

- Starting point for people w/out previous experience or education in pest management and pesticide use.
- Within 90 days:
 - ☐ Training (40 hours OJT; must match job duties).
 - ☐ General safety competency exam (written).

*Cannot own/operate a pesticide business;
must be directly supervised if using RUPs.*

Commercial Applicator:

- Pre-requisites:
 - ☐ One year as a RT, or
 - ☐ Equivalent experience/education.
- CA's can:
 - ☐ hold a pesticide business license;
 - ☐ train uncertified 'new hires';
 - ☐ supervise RT's using RUPs.
- CA's demonstrate the ability to:
 - ☐ use pesticides safely, and
 - ☐ make pest and pesticide management decisions.
- Core and category competency exams





Commercial Applicator Categories

- 1A-Ag Plant PC
- 1B-Ag Animal PC
- 1C-Fumigation of Soil/Ag Products
- 1D-Chemigation
- 2-Forest PC
- 3A-Ornamental PC
- 3B-Turf PC
- 4-Seed Treatment
- 5A-Aquatic PC
- 5B-Marine Anti-foulant Paints
- 6-Right-Of-Way PC
- 7A-General PC
- 7B-Wood-Destroying Organisms
- 7C-Non-Ag Fumigation
- 7D-Vertebrate PC
- 7E-Sewer Root PC
- 8-Public Health PC
- 9-Regulatory PC
- 10- Demonstration & Research PC
- 11-Aerial PC
- 12-Wood Pres. and Product Treatment

New Private Pesticide Applicator

- Questions
- End