



GUS R. DOUGLASS
COMMISSIONER

STATE OF WEST VIRGINIA
DEPARTMENT OF AGRICULTURE
CHARLESTON 25305

August 11, 1981

Honorable A. James Manchin
Secretary of State
State of West Virginia
Building 1, Room W-157
Charleston, WV 25305

Dear Secretary Manchin:

I am enclosing the notice of a public hearing called for September 14, 1981, to consider changes in the Regulations used to implement the West Virginia Pesticide Use & Application Act and a copy of the proposed regulations. For ease of reference, the attached copy has the new material underlined.

With best regards, I am

Very truly yours,

Gus R. Douglass
Agriculture Commissioner

GRD/G/d
Enc.

cc - Albert Cole

FILED IN THE OFFICE OF
SECRETARY OF STATE
THIS DATE 8/13/81 mZ



STATE OF WEST VIRGINIA
OFFICE OF THE SECRETARY OF STATE
CHARLESTON 25305

A. JAMES MANCHIN
SECRETARY OF STATE

STATE REGISTER FILING

I, Gus R. Douglass, Commissioner,
Title or Position

West Virginia Department of Agriculture, hereby submit to record in
Department or Division

the State Register on 8 1/2 x 11" paper two (2) copies of

- proposed rules and regulations concerning topics of material not covered by existing rules and regulations;
- proposed rules and regulations superseding rules and regulations already on file;
- notice of hearing;
- findings and determinations;
- rules and regulations; or
- other - specify ().

This filing pertains to

Chapter 19
Article 16B
Series XIIa & XIIb
Section _____
Page No. _____

- proposed rules and regulations are required to go to Legislative Rule Making Committee;
- proposed rules and regulations are excluded from Legislative Rule Making Committee;

FILED IN THE OFFICE OF
SECRETARY OF STATE
THIS DATE 8/2/87

Date Submitted _____

Gus R. Douglass
Signature of Person Authorizing
this Filing

Serving
The Farmer
And
The Consumer

From
The Soil
To The
Supermarket

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D
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NEWS RELEASE

WEST VIRGINIA DEPARTMENT OF AGRICULTURE

Information Division

Charleston, WV 25305

Phone: 348-3708

Gus R. Douglass
Commissioner

For Immediate Release

August 12, 1981

PESTICIDE REGULATION HEARING

CHARLESTON, W.VA.--Agriculture Commissioner Gus R. Douglass announced that a public hearing will be held at 1 p.m. on Monday, September 14, 1981, in the J. T. Johnson Conference Room, located in the basement of the East Wing of the State Capitol Building in Charleston to consider changes in the regulations used to implement the West Virginia Pesticide Use and Application Act (Chapter 19, Article 16B).

These changes are necessary due to the revision of the Pesticide Use and Application Act by the 1980 Legislature. They involve the licensing of businesses applying pesticides for hire, require that records kept by such firms show all pesticides used and not just the restricted use materials and provide for certain civil penalties.

Copies of the proposed regulations can be obtained from Al Cole, Director, Plant Pest Control Division, W.Va. Dept. of Agriculture, Charleston, WV 25305; phone (304) 348-2212.

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FILED IN THE OFFICE OF
SECRETARY OF STATE
THIS DATE 8/27/81

WEST VIRGINIA PESTICIDE USE AND APPLICATION
ACT OF 1975

REGULATIONS

SECTION 1 --- GENERAL

1.01 SCOPE

These regulations amend and repromulgate Sections 1, 5, 6, 8, 10, 12, 13, and 19 of the regulations and establish general operating rules and procedures for the enforcement of the West Virginia Pesticide Use and Application Act as Amended 1981 (Article 16B) including, but not limited to the certification of users of restricted use pesticides, the licensing of firms applying pesticides for hire, restricted use pesticides and the dealers in restricted use pesticides, record keeping and standards for certification and licensing.

1.02 AUTHORITY

These regulations are issued under authority of Chapter 19, Article 16B, Section 4, Code of West Virginia.

1.03 EFFECTIVE DATE

These regulations are promulgated on _____ 1981, and become effective on _____ 1981.

1.04 FILING DATE

These regulations are certified authentic by the Secretary of State.

SECTION 2 --- DECLARATION OF POLICY

Article 16B, Chapter 19, Code of West Virginia, places the enforcement of the West Virginia Pesticide Use and Application Act with the Agriculture Commissioner and empowers him to promulgate rules and regulations for regulation in the public interest of the use and application of pesticides in West Virginia.

By virtue of the authority vested in me as Commissioner of Agriculture by Article 16B, Chapter 19 of the Code of West Virginia, I, Gus R. Douglass, Commissioner of Agriculture, do hereby promulgate the following rules and regulations governing the use and application of pesticides in West Virginia.

FILED IN THE OFFICE OF
SECRETARY OF STATE
THIS DATE 8/12/81

SECTION 3 --- DEFINITIONS

3.01 For the purpose of these regulations, the definitions shall be the same as those appearing in the West Virginia Pesticide Use and Application Act (19-16B-3) with the following additions:

- a. The term "accident" means an unexpected, undesirable event, resulting in the presence of a pesticide, that adversely affects man or the environment.
- b. The term "Act" means the West Virginia Pesticide Use and Application Act (19-16B).
- c. The term "competent" means properly qualified to perform functions associated with pesticide application, the degree of capability required being directly related to the nature of the activity and the associated responsibility.
- d. The term "fumigant" means a gaseous or readily volatilizable chemical (as hydrogen cyanide or methyl bromide) used as a disinfectant or pesticide.
- e. The term "fumigation" means the application of a fumigant to one or more rooms in a structure, or to the entire structure, or to a localized space within a structure or outside of a structure such as a box car, aircraft, truck, ship or any object sealed or covered.
- f. The term "regulated pest" means a specific organism considered by the state or by a federal agency to be a pest requiring regulatory restrictions, regulations or control procedures in order to protect man or the environment.

SECTION 4 --- RESTRICTED USE PESTICIDES

4.01 This section reserved for the West Virginia Restricted Use Pesticide List.

SECTION 5 --- CATEGORIZATION OF COMMERCIAL APPLICATORS

5.01 PROCEDURE

(a) Categories and sub-categories of applicators (other than private applicators) who use or supervise the use of restricted use pesticides are identified below. Public employees using or supervising the use of restricted use pesticides are CERTIFIED PUBLIC APPLICATORS in the categories and sub-categories identified below and are categorized as COMMERCIAL APPLICATORS with respect to Restricted Use Pesticides.

(b) It shall be understood throughout these regulations that, according to § 19-16B-8(2), all persons applying any pesticides as, or for, a Licensed Pesticide Application Business, whether or not they are applying or supervising the application of restricted use pesticides, must be a commercial applicator (or be under the supervision of a commercial applicator) certified in the appropriate category or sub-categories identified below and that the fact that their need for certification, whether or not the pesticides are for restricted use, will not be specifically pointed out in the description of each category or sub-category to follow.

5.02(1) AGRICULTURE PLANT PEST CONTROL CATEGORY

This category includes commercial applicators using or supervising the use of restricted use pesticides in the production of agricultural crops, including without limiting the foregoing, tobacco, peanuts, cotton, feed grains, soybeans and forage, vegetables; small fruits; tree fruits and nuts; as well as on grasslands and non-crop agricultural lands.

SUB-CATEGORY A-1 AGRICULTURAL PLANT PEST CONTROL AERIAL APPLICATOR

This sub-category includes commercial applicators using or supervising the use of restricted use pesticides applied by any type of aircraft in the production of agricultural crops, including without limiting the foregoing, tobacco, peanuts, cotton, feed grains, soybeans and forage; vegetables; small fruits; tree fruits and nuts; as well as on grasslands and non-crop agricultural lands.

5.02(b) ANIMAL PEST CONTROL

This category includes commercial applicators using or supervising the use of restricted use pesticides on swine, sheep, horses, goats, poultry and livestock, and to places on or in which animals are confined.

Doctors of Veterinary Medicine engaged in the business of applying pesticides for hire, or publicly holding themselves out as pesticide applicators, are included in this category.

5.03 FOREST PEST CONTROL CATEGORY

This category includes commercial applicators using or supervising the use of restricted use pesticides in forests, forest nurseries, and forest seed producing areas.

SUB-CATEGORY A - AERIAL FOREST PEST CONTROL

This category includes commercial applicators using or supervising the use of restricted use pesticides applied by any type of aircraft in forests, forest nurseries, and forest seed producing areas.

5.04 ORNAMENTAL AND TURF PEST CONTROL CATEGORY

This category includes commercial applicators using or supervising the use of restricted use pesticides to control pests in the maintenance and production of ornamental trees, shrubs, flowers and turf.

SUB-CATEGORY A - AERIAL ORNAMENTAL AND TURF PEST CONTROL

This category includes commercial applicators using or supervising the use of restricted use pesticides applied by any type of aircraft to control pests in the maintenance and production of ornamental trees, shrubs, flowers and turf.

5.05 SEED TREATMENT CATEGORY

This category includes commercial applicators using or supervising the use of restricted use pesticides on seeds.

5.06 AQUATIC PEST CONTROL CATEGORY

This category includes commercial applicators using or supervising the use of any restricted use pesticide purposefully applied to standing or running water, excluding applicators engaged in public health related activities included in category 5.10A below.

SUB-CATEGORY A - AERIAL AQUATIC PEST CONTROL

This category includes commercial applicators using or supervising the use of any restricted use pesticide purposefully applied by means of any type of aircraft to standing or running water.

5.07 RIGHT-OF-WAY PEST CONTROL CATEGORY

This category includes commercial applicators using or supervising the use of restricted use pesticides in the maintenance of roads, electric powerlines, pipelines, railway rights-of-way or other similar areas.

SUB-CATEGORY A - AERIAL RIGHT-OF-WAY PEST CONTROL

This category includes commercial applicators using or supervising the use of restricted use pesticides applied by any

type of aircraft in the maintenance of roads, electric powerlines, pipelines, railway rights-of-way or other similar areas.

5.08 INDUSTRIAL, INSTITUTIONAL, STRUCTURAL AND HEALTH RELATED PEST CONTROL

Commercial applicators in this category are sub-categorized as follows:

A. GENERAL PEST CONTROL

This sub-category includes commercial applicators using or supervising the use of restricted use pesticides in, on, or around food handling establishments, human dwellings, institutions such as schools and hospitals, industrial establishments, including warehouses and grain elevators, and any other structures and adjacent areas, public or private; and for the protection of stored, processed, or manufactured products except that this sub-category does not include applicators using fumigants (other than fumigants used out-of-doors in rodent burrows that do not lead into dwellings or other structures) nor does it include applicators engaged in termite or other structural pest control.

Treating emergence crevices or ant runways to control carpenter ants or treatments made to control carpenter bees or surface application of sprays to control wood borers in furniture or lumber shall not be considered to be structural pest control.

B. STRUCTURAL PEST CONTROL

This sub-category includes commercial applicators using or supervising the use of restricted use pesticides to control termites, powder post beetles, or other wood-destroying pests infesting human dwellings, schools, hospitals, stores, warehouses or any other structure and adjacent areas.

C. FUMIGATION PEST CONTROL

This sub-category includes commercial applicators using or supervising the use of restricted use pesticides to fumigate human dwellings, schools, hospitals, stores, warehouses, grain elevators, or any other structure including box cars, trucks, automobiles, shipping containers, boats, barges or ships, or other similar objects as well as commodities such as lumber, hay or straw, food products, soil, bags or other objects whether they are in structures or fumigated out-of-doors.

D. INDUSTRIAL, INSTITUTIONAL VEGETATION MANAGEMENT

This sub-category includes commercial applicators using or supervising the use of restricted use pesticides to control unwanted vegetation around industrial or institutional structures or

grounds, storage yards, sub-stations or other areas exclusive of rights-of-way but may include vegetation management along drive-ways or access roads to the above type sites. Individuals desiring aerial applicator certification in this sub-category must hold a valid Agricultural Applicator Certification from the United States Federal Aviation Agency.

E. HEALTH RELATED PEST CONTROL

This sub-category includes commercial applicators using or supervising the use of restricted use pesticides to control pests having medical or public health importance in other than aquatic sites. Individuals desiring aerial applicator certification in this sub-category must hold a valid Agricultural Applicator Certification from the United States Federal Aviation Agency.

5.09 CERTIFIED PUBLIC APPLICATOR CATEGORY

In addition to the categories and sub-categories identified above in which a public employee under the law may be classified, the following additional sub-categories are identified below.

SUB-CATEGORY A - PUBLIC HEALTH PEST CONTROL

This sub-category includes state, federal or other governmental employees using or supervising the use of restricted use pesticides in public health programs for management and control of pests having medical and public health importance.

SUB-CATEGORY B - REGULATORY PEST CONTROL

This sub-category includes state, federal or other governmental employees who use or supervise the use of restricted use pesticides in the control of regulated pests.

5.10 DEMONSTRATION AND RESEARCH PEST CONTROL CATEGORY

This category includes individuals who demonstrate to the public the proper use and techniques of application of restricted use pesticides or supervise such demonstration.

This category also includes persons conducting field research with pesticides, and in doing so, use or supervise the use of restricted use pesticides.

Included in the Demonstration Pest Control category are such persons as extension specialists and county agents, commercial representatives demonstrating pesticide products, and those individuals demonstrating methods used in public programs.

The Research Pest Control category includes: state, federal, commercial and other persons conducting field research on or utilizing restricted use pesticides.

5.11 - OTHER CATEGORIES OR SUB-CATEGORIES

The commissioner may, after a public hearing, add additional categories or sub-categories as needed for the certification of commercial applicators.

SECTION 6 --- STANDARDS FOR CERTIFICATION OF COMMERCIAL APPLICATORS (including CERTIFIED PUBLIC APPLICATORS)

6.01 - DETERMINATION OF COMPETENCY

Competence in the use and handling of pesticides shall be determined on the basis of written examinations, and, as appropriate, performance testing, based upon standards set forth below and which are approved by the commissioner. Such examination and testing shall include the general standards applicable to all categories and the additional standards specifically identified for each category or sub-category (if any) in which an applicator is to be classified. Written examinations shall be given at such times and places as the commissioner may direct. Correctly answering seventy percent or more of the questions shall be considered to be satisfactory evidence of competence. Failure to answer at least 70% of the questions correctly shall be grounds for denial of certification and at least thirty (30) days must pass before an applicant may apply for re-examination. No fee shall be required for re-examination.

6.02 - GENERAL STANDARDS FOR ALL CATEGORIES OF CERTIFIED COMMERCIAL APPLICATORS

All commercial applicators shall demonstrate practical knowledge of the principles and practices of pest control and safe use of pesticides. Testing shall be based on examples of problems and situations appropriate to the particular category or sub-category of the applicator's certification and the following areas of competency:

1. LABEL & LABELING COMPREHENSION

- (a) The general format and terminology of pesticide labels and labeling;
- (b) The understanding of instructions, warnings, terms, symbols, and other information commonly appearing on pesticide labels;

- (c) Classification of the product, general or restricted; and,
- (d) Necessity for use consistent with the label.

2. SAFETY

Factors including:

- (a) Pesticide toxicity and hazard to man and common exposure routes;
- (b) Common types and causes of pesticide accidents;
- (c) Precautions necessary to guard against injury to applicators and other individuals in or near treated areas;
- (d) Need for and use of protective clothing and equipment;
- (e) Symptoms of pesticide poisoning;
- (f) First aid and other procedures to be followed in case of a pesticide accident; and,
- (g) Proper identification, storage, transport, handling, mixing procedures and disposal methods for pesticides and used pesticide containers, including precautions to be taken to prevent children from having access to pesticides and pesticide containers.

3. ENVIRONMENT

The potential environmental consequences of the use and misuse of pesticides as may be influenced by such factors as:

- (a) Weather and other climatic conditions;
- (b) Types of terrain, soil or other substrate;
- (c) Presence of fish, wildlife and other non-target organisms; and,
- (d) Drainage patterns.

4. PESTS

Factors such as:

- (a) Common features of pest organisms and characteristics of damage needed for pest recognition;
- (b) Recognition of relevant pests; and,
- (c) Pest development and biology as it may be relevant to problem identification and control.

5. PESTICIDES

Factors such as:

- (a) Types of pesticides;
- (b) Types of formulations;
- (c) Compatibility, synergism, persistence and animal and plant toxicity of the formulations;
- (d) Hazards and residues associated with use;
- (e) Factors which influence effectiveness or lead to such problems as resistance to pesticides; and,
- (f) Dilution procedures.

6. EQUIPMENT

Factors including:

- (a) Types of equipment and advantages and limitations of each type; and,
- (b) Uses, maintenance and calibration.

7. APPLICATION TECHNIQUES

Factors including:

- (a) Methods of procedure used to apply various formulations of pesticides, solutions, and gases, together with a knowledge of which technique of application to use in a given situation;
- (b) Relationship of discharge and placement of pesticides to proper use, unnecessary use, and misuse; and,
- (c) Prevention of drift and pesticide loss into the environment.

6.03 - SPECIFIC STANDARDS OF COMPETENCY FOR EACH CATEGORY OF COMMERCIAL APPLICATORS

Some of the factors referenced in this section are of particular importance because of the different types of activities carried out by applicators in each category. For example, practical knowledge of drift problems should be required of agricultural applicators but not of seed treatment applicators. The latter, however, should be particularly knowledgeable of the hazards of the misuse of treated seed and the necessary precautionary techniques. Commercial applicators in each category shall be particularly qualified with respect to the practical knowledge standards elaborated below:

1. AGRICULTURAL PLANT PEST CONTROL CATEGORY

Applicators must demonstrate practical knowledge of crops grown and the specific pests of those crops on which they may be using restricted use pesticides. The importance of such competency is amplified by the extensive areas involved, the quantities of pesticides needed, and the ultimate use of many commodities as food and feed. Practical knowledge is required concerning soil and water problems, pre-harvest intervals, re-entry intervals, phytotoxicity, and potential for environmental contamination, non-target injury and community problems resulting from the use of restricted use pesticides in agricultural areas.

SUB-CATEGORY A - AGRICULTURAL PLANT PEST CONTROL AERIAL APPLICATOR

In addition to demonstrating competence in the specific standards for the sub-category AGRICULTURAL PLANT PEST CONTROL, the aerial applicator must hold a valid Agriculture Applicator Certification from the Federal Aviation Agency.

2. ANIMAL PEST CONTROL

Applicators applying pesticides directly to animals must demonstrate practical knowledge of such animals and their associated pests. A practical knowledge is also required concerning specific pesticide toxicity and residue potential, since host animals will frequently be used for food. Further, the applicator must know the relative hazards associated with such factors as formulation, application techniques, age of animals, stress and extent of treatment.

3. FOREST PEST CONTROL CATEGORY

Applicators shall demonstrate practical knowledge of types of forests, forest nurseries, and forest seed production in West Virginia and the pests involved. They should possess practical knowledge of the cyclic occurrence of certain pests and specific population dynamics as a basis for programming pesticide applications. A practical knowledge is required of the relative biotic agents and their vulnerability to the pesticides to be applied. Because forest stands may be large and frequently include natural aquatic habitats and harbor wildlife, the consequences of pesticide use may be difficult to assess. The applicator must therefore demonstrate practical knowledge of control methods which will minimize the possibility of secondary problems such as unintended effects on wildlife. Proper use of specialized equipment must be demonstrated, especially as it may relate to meteorological factors and adjacent land use.

SUB-CATEGORY A - AERIAL FOREST PEST CONTROL

In addition to demonstrating competence in the specific

standards for the sub-category FOREST PEST CONTROL, the aerial applicator must hold a valid Agriculture Applicator Certification from the Federal Aviation Agency.

4. ORNAMENTAL AND TURF PEST CONTROL

Applicators shall demonstrate practical knowledge of pesticide problems associated with the production and maintenance of ornamental trees, shrubs, plantings, and turf, including cognizance of potential phytotoxicity due to a wide variety of plant material, drift, and persistence beyond the intended period of pest control. Because of the frequent proximity of human habitations to application activities, applicators in this category must demonstrate practical knowledge of application methods which will minimize or prevent hazards to humans, pets, and other domestic animals.

SUB-CATEGORY A - AERIAL ORNAMENTAL AND TURF PEST CONTROL

In addition to demonstrating competence in the specific standards for the sub-category ORNAMENTAL AND TURF PEST CONTROL, the aerial applicator must hold a valid Agriculture Applicator Certification from the Federal Aviation Agency.

5. SEED TREATMENT CATEGORY

Applicators shall demonstrate practical knowledge of types of seeds that require chemical protection against pests and factors such as seed coloration, carriers, and surface active agents which influence pesticide binding and may affect germination. They must demonstrate practical knowledge of hazards associated with handling, sorting and mixing, and misuse of treated seed such as introduction of treated seed into food and feed channels, as well as proper disposal of unused treated seeds.

6. AQUATIC PEST CONTROL CATEGORY

Applicators shall demonstrate practical knowledge of the secondary effects which can be caused by improper application rates, incorrect formulations, and faulty application of pesticides used in this category. They shall demonstrate practical knowledge of various water use situations and the potential of downstream effects. Further, they must have practical knowledge concerning potential pesticide effects on plants, fish, birds, beneficial insects and other organisms which may be present in aquatic environments. These applicators shall demonstrate practical knowledge of the principles of limited area application.

SUB-CATEGORY A - AERIAL AQUATIC PEST CONTROL

In addition to demonstrating competence in the specific standards for the sub-category AQUATIC PEST CONTROL, the aerial

applicator must hold a valid Agriculture Applicator Certification from the Federal Aviation Agency.

7. RIGHT-OF-WAYS PEST CONTROL CATEGORY

Applicators shall demonstrate a practical knowledge of a wide variety of environments, since rights-of-way can traverse many different terrains, including waterways. They shall demonstrate practical knowledge of problems on runoff, drift, and excessive foliage destruction and ability to recognize target organisms. They shall also demonstrate practical knowledge of the nature of herbicides and the need for containment of these pesticides within the right-of-way area, and the impact of their application activities in the adjacent areas and communities.

SUB-CATEGORY A - AERIAL RIGHT-OF-WAY PEST CONTROL

In addition to demonstrating competence in the specific standards for the sub-category RIGHT-OF-WAY PEST CONTROL, the aerial applicator must hold a valid Agriculture Applicator Certification from the Federal Aviation Agency.

8. INDUSTRIAL, INSTITUTIONAL, STRUCTURAL AND HEALTH RELATED PEST CONTROL CATEGORY

Applicators in each sub-category of this category (GENERAL, STRUCTURAL, FUMIGATION and VEGETATION MANAGEMENT and HEALTH RELATED PEST CONTROL), must demonstrate a practical knowledge of a wide variety of pests, including their life cycles, types of formulation appropriate for their control, and methods of application used in the applicators sub-category that avoid contamination of food, damage and contamination of habitat, and exposure of people and pets. Since human exposure, including babies, children, pregnant women, and elderly people, is frequently a potential problem, applicators must demonstrate practical knowledge of the specific factors which may lead to a hazardous condition, including continuous exposure in the various situations encountered in these sub-categories. Because health related pest control may involve outdoor applications, applicators must also demonstrate practical knowledge of environmental conditions, particularly related to this activity.

9. CERTIFIED PUBLIC APPLICATOR CATEGORY

SUB-CATEGORY A - PUBLIC HEALTH PEST CONTROL

Applicators shall demonstrate practical knowledge of vector-disease transmission as it related to and influences application programs. A wide variety of pests is involved, and it is essential that they be known and recognized, and appropriate life cycles and habitats be understood as a basis for control strategy. These applicators shall have practical knowledge of a great vari-

ety of environments ranging from streams to those conditions found in buildings. They should also have practical knowledge of the importance and employment of such non-chemical control methods as sanitation, waste disposal, and drainage.

SUB-CATEGORY B - REGULATORY PEST CONTROL

Applicators shall demonstrate practical knowledge of regulated pests, applicable laws relating to quarantine and other regulation of pests, and the potential impact on the environment of restricted use pesticides used in suppression and eradication programs. They shall demonstrate knowledge of factors influencing introduction, spread, and population dynamics of relevant pests. Their knowledge shall extend beyond that required by their immediate duties, since their services are frequently required in other areas where emergency measures are invoked to control regulated pests and where individual judgments must be made in new situations.

10. DEMONSTRATION AND RESEARCH PEST CONTROL CATEGORY

Persons demonstrating the safe and effective use of pesticides to other applicators and the public will be expected to meet comprehensive standards reflecting a broad spectrum of pesticide uses. Many different pest problem situations will be encountered in the course of activities associated with demonstration, and practical knowledge of problems, pests, and population levels occurring in each demonstration situation is required. Further, they should demonstrate an understanding of pesticide-organism inter-actions and the importance of integrating pesticide use with other control methods. In general, it would be expected that applicators doing demonstration pest control work possess a practical knowledge of all of the standards detailed in section 6.02 above. In addition, they shall meet the specific standards required for categories (1) through (7) of this section as may be applicable to their particular activity.

Persons conducting field research or method improvement work with restricted use pesticides should be expected to know the general standards detailed in 6.02 above. In addition, they shall be expected to know the specific standards required for paragraph 6.03 (1) through (9) of this section, applicable to their particular activity, or alternatively, to meet the more inclusive requirements listed under "Demonstration".

6.04 SPECIAL STANDARDS

This space reserved for possible issuance of Special Standards, after due public hearing.

6.05 THE ABOVE STANDARDS TO NOT APPLY TO THE FOLLOWING PERSONS FOR PURPOSES OF THESE REGULATIONS

- (1) Persons conducting laboratory type research involving restricted use pesticides; and,
- (2) Doctors of Medicine, Doctors of Osteopathy, and Doctors of Veterinary Medicine applying pesticides as drugs or medication during the course of their normal practice.

6.06 STANDARDS FOR LICENSED PESTICIDE APPLICATION BUSINESS LICENSE

(a) Persons applying for a Licensed Pesticide Application Business License shall be expected to demonstrate a knowledge and understanding of the state and federal pesticide laws, safe use and storage of pesticides, and the bases of the work to be done under the classification or classifications for which application for license is being made.

(b) The classification of Licensed Pesticide Application Business licenses shall include agricultural pest control, forest pest control, ornamental and turf pest control, seed treatment, aquatic pest control, right-of-way pest control, general pest control, fumigation pest control, vegetation management, health related and structural pest control. Separate sub-classifications for aerial applicators license apply to agricultural pest control, forest pest control, ornamental and turf pest control, aquatic pest control, vegetation management and health related and right-of-way pest control.

SECTION 7 --- STANDARDS FOR CERTIFICATION OF PRIVATE APPLICATORS

7.01 Competence in the use and handling of pesticides by a private applicator will be determined by procedures set forth below. As a minimum requirement for certification, a private applicator must show that he possesses a practical knowledge of the pest problems and pest control practices associated with his agricultural operations; and his related legal responsibility. This practical knowledge includes ability to:

- (1) Recognize common pests to be controlled and damage caused by them.
- (2) Read and understand the label and labeling information - including the common name of pesticides he applies; pest(s) to be controlled, timing and methods of application; safety precautions; any pre-harvest or re-entry restrictions; and specific disposal procedures.

- (3) Apply pesticides in accordance with label instructions and warnings, including the ability to prepare the proper concentration of pesticide to be used under particular circumstances taking into account such factors as area to be covered, speed at which application equipment will be driven, and the quantity dispersed in a given period of operation.
- (4) Recognize local environmental situations that must be considered during application to avoid contamination.
- (5) Recognize poisoning symptoms and procedures to follow in case of a pesticide accident.

7.02 Such competence of each private applicator shall be verified by the administration of a private applicator certification system which ensures that the private applicator is competent, based upon the standards set forth above, to use the restricted use pesticides under limitations of applicable state and federal laws and regulations. The certification system shall employ a written or oral demonstration of competence, or such other equivalent system as may be approved by the commissioner. Failure to demonstrate competence by correctly answering at least 70% of the questions asked shall be grounds for denial of certification. However, the applicant may apply for re-examination.

7.03 In any case where a person, at the time of testing for certification, is unable to read a label, the commissioner may employ a testing procedure, previously approved by the Administrator, United States Environmental Protection Agency, which can adequately assess the competence of such person with regard to all of the above standards. Certification must be related and limited to the use and handling of each individual pesticide for which he desires certification at any time. Therefore, the applicator will be authorized to use only the pesticide(s) for which he has demonstrated competence.

Such demonstration of competence must include the recognition of the common or trade name of the pesticide as well as the recognition of the hazard words and symbols, as they appear on the label. In addition, the demonstration of competence must include the ability to verbally tell the registered uses of the pesticide as they apply to the applicators intended uses, the recommended doses, the proper times of application for the particular pests to be controlled, safety precautions, handling and disposal of the pesticide and its container. In addition, the applicator must demonstrate that he understands any re-entry or pre-harvest restrictions that apply to the particular pesticide and must know the various sources of advice and guidance available to him to assist him in understanding the safe and proper use of each pesticide related to his certification.

SECTION 8 --- STANDARDS FOR SUPERVISION OF NON-CERTIFIED APPLICATORS BY CERTIFIED PRIVATE AND COMMERCIAL APPLICATORS

8.01 Certified applicators whose activities indicate a supervisory role must demonstrate a practical knowledge of federal and state supervisory requirements, including labeling, regarding the application of restricted use pesticides by non-certified applicators.

The availability of the certified applicator must be directly related to the hazard of the situation, the complexity of the application or the ability to readily communicate with the non-certified applicator. In the case of Structural Pest Control pesticide applications or the use of fumigants in fumigation pest control, a certified commercial applicator must be physically present to apply or supervise the application of pesticides.

In many situations, where the certified applicator is not required to be physically present, "direct supervision" shall include verifiable instructions to the competent person, as follows:

- (1) Detailed guidance for applying the pesticide properly, and
- (2) Provisions for contacting the certified applicator in the event he is needed.

In other situations, and as required by the label, the actual physical presence of a certified applicator may be required when application is made by a non-certified applicator.

SECTION 9 --- FEDERAL AGENCY PESTICIDE APPLICATORS

9.01 When an employee of any agency of the United States Government has been qualified in any category as competent to apply restricted use pesticides under the Government Agency Plan (GAP), or under other plans judged by the commissioner to be at least equal to the West Virginia Plan, such employee will be certified by the commissioner in the same category or categories without the need for a written examination nor for the payment of any fee.

9.02 Federal employees qualified under an acceptable federal plan to apply restricted use pesticides and who intend to apply restricted use pesticides in West Virginia as a part of their agency work, shall present their qualifying documents to the commissioner and, if acceptable, these documents will be endorsed or a state document will be issued which will permit the federal employee to use restricted use pesticides in West Virginia.

9.03 If, in an emergency situation, federal employees are brought into West Virginia to control or eradicate pests, and when these employees have been properly qualified to use restricted use pesticides under the plan of another state or under an acceptable federal government agency plan, such employee will be considered to be certified in West Virginia and he or his agency must, within 10 days, present qualifying credentials to the commissioner. At this time state credentials will be issued if the employee is to remain in West Virginia as an applicator of restricted use pesticides.

9.04 The provisions of this section do not apply to non-federal employees contracted to perform pesticide application for the federal government. In an emergency, however, and with the concurrence of the commissioner, a properly certified federal applicator may act in a supervisory capacity of a non-federal applicator provided that applicator is properly certified in West Virginia or under the plan of another state. Within 10 days such non-federal applicator certified in another state must apply for West Virginia certification in the normal manner.

SECTION 10 --- RECIPROCIY

10.01 When a commercial applicator is certified under the state plan of another state and desires to operate as a commercial applicator in West Virginia, he shall make application to the commissioner and shall include, along with the proper fee and other details required by the ACT, a true copy of his credentials certifying him as an applicator of restricted use pesticides in another state. The commissioner then may, if he approves the credentials, issue a West Virginia certification to the applicator in the category(ies) for which he is certified in another state, without a written examination, provided that the state having certified the applicator will similarly certify holders of West Virginia certificates.

10.02 When a private applicator is certified under the state plan of another state and owns, leases or manages land in West Virginia on which restricted use pesticides must be applied to produce agricultural crops, the commissioner will issue a West Virginia Private Applicator Certification on receipt of a properly completed application, proper fee and a true copy of the applicant's out-of-state certification.

SECTION 11 --- STANDARDS FOR LICENSING OF DEALERS OF RESTRICTED USE PESTICIDES

11.01 DETERMINATION OF COMPETENCY

An applicant for license to sell restricted use pesticides must demonstrate a knowledge and understanding of safe and

acceptable methods of handling, storage and distribution of restricted use pesticides as well as knowledge and understanding of the state pesticide laws. Such demonstration of knowledge shall be determined on the basis of a written examination. Failure to correctly answer at least 70% of the questions asked shall be grounds for denial of certification and at least 30 days must pass before the dealer may apply for re-examination. No fee shall be required for re-examination.

11.02 GENERAL STANDARDS FOR DEALERS OF RESTRICTED USE PESTICIDES

All dealers licensed to sell restricted use pesticides shall demonstrate a practical knowledge of the types of pesticides he sells including but not limited to: labels and label comprehension; classification of pesticides and necessity for use consistent with the label; safety including: safe use and safe environment; symptoms of pesticide poisoning; types of pesticides and pesticide formulations; dilution procedures and application techniques.

SECTION 12 --- RECORDS

12.01 COMMERCIAL APPLICATORS, LICENSED PESTICIDE APPLICATION BUSINESSES and CERTIFIED PUBLIC APPLICATORS

Commercial applicators, including certified public applicators shall, for a period of three years from the date of application, keep records detailing the application of restricted use pesticides applied by them or under their supervision to include:

1. The pesticide used.
2. The formulation used and the quantity of that formulation used. In the case of applicators in the sub-category GENERAL PEST CONTROL, the records for quantity used may be kept as the total quantity used per day by each applicator when less than 1 gallon of use dilution spray or one pound of dusts, powders or prepared rodenticide baits are used at any one location. When more than these amounts are used at one location, records for that location shall be kept.
3. The date and place of application.
4. The pest against which the pesticide was used.
5. The applicator's name.

12.02 LICENSED PESTICIDE APPLICATION BUSINESS

Licensed pesticide application businesses shall, for a period of three years from the date of application, keep records detailing the application of pesticides, whether or not the pesticides are classified for restricted use, to include:

1. The pesticide used.
2. The formulation used and the quantity of that formulation used. In the case of applicators in the subcategory GENERAL PEST CONTROL, the records for quantity used may be kept as the total quantity used per day by each applicator when less than 1 gallon of use dilution spray or one pound of dusts, powders or prepared rodenticide baits are used at any one location. When more than these amounts are used at one location, records for that location shall be kept.
3. The date and place of application.
4. The pest against which the pesticide was used.
5. The applicator's name.

12.03 DEALERS OF RESTRICTED USE PESTICIDES

Dealers of restricted use pesticides shall keep and maintain for a period of three years records on the sale or other disposition of restricted use pesticides to include the following:

1. Pesticides sold, or otherwise disposed of, including formulation. For example, Sevin 80% W.P.
2. Quantity. For example, 50 pounds.
3. Date of sale or disposition.
4. Name and address of purchaser or receiver, including the certified applicator's identification number.

SECTION 13 --- FINANCIAL SECURITY REQUIRED OF LICENSED PESTICIDE APPLICATION BUSINESSES.

13.01 The commissioner shall not issue a licensed pesticide application business license until the applicant has filed evidence of financial security with the commissioner which may consist of a surety bond or liability insurance policy or certification thereof from an insurance company licensed to do business in West Virginia. Such financial security shall be for the amount and kind for each category of licensed applicator as follows:

1. Agriculture Plant Pest Control

An applicant for license in this category shall file evidence of financial security in the minimum amount of Three Hundred Thousand Dollars (\$300,000.00) for bodily injury or death for each occurrence, and One Hundred Thousand Dollars (\$100,000.00) for property damage resulting from the use or misuse of pesticides.

2. Animal Pest Control

An applicant for license in this category shall file evidence of financial security in the minimum amount of Three Hundred Thousand Dollars (\$300,000.00) for bodily injury or death for each occurrence, and One Hundred Thousand Dollars (\$100,000.00) for property damage resulting from the use or misuse of pesticides.

3. Forest Pest Control

An applicant for license in this category shall file evidence of financial security in the minimum amount of Three Hundred Thousand Dollars (\$300,000.00) for bodily injury or death for each occurrence and One Hundred Thousand Dollars (\$100,000.00) for property damage resulting from the use or misuse of pesticides.

4. Ornamental and Turf Pest Control

An applicant for license in this category shall file evidence of financial security in the minimum amount of Three Hundred Thousand Dollars (\$300,000.00) for bodily injury or death for each occurrence, and One Hundred Thousand Dollars (\$100,000.00) for property damage resulting from the use or misuse of pesticides.

5. Seed Treatment

An applicant for license in this category shall file evidence of financial security in the minimum amount of Three Hundred Thousand Dollars (\$300,000.00) for bodily injury or death for each occurrence, and One Hundred Thousand Dollars (\$100,000.00) for property damage resulting from the use or misuse of pesticides.

6. Aquatic Pest Control

An applicant for license in this category shall file evidence of financial security in the minimum amount of Three Hundred Thousand Dollars (\$300,000.00) for bodily injury or death for each occurrence, and One Hundred Thousand Dollars (\$100,000.00) for property damage resulting from the use or misuse of pesticides.

7. Right-of-Ways Pest Control

An applicant for license in this category shall file evidence of financial security in the minimum amount of Three Hundred Thousand Dollars (\$300,000.00) for bodily injury or death for each occurrence, and One Hundred Thousand Dollars (\$100,000.00) for property damage resulting from the use or misuse of pesticides.

8. Industrial, Institutional, Structural and Health Related Pest Control

An applicant for license in this category shall file evidence of financial security in the minimum amount of Three Hundred Thousand Dollars (\$300,000.00) for bodily injury or death for each occurrence and One Hundred Thousand Dollars (\$100,000.00) for property damage resulting from the use or misuse of pesticides.

13.02 Aerial applicators in any of the above categories or sub-categories shall show evidence of financial security in the minimum amount of Three Hundred Thousand Dollars (\$300,000.00) for bodily injury or death for each occurrence and Two Hundred Thousand Dollars (\$200,000.00) for property damage resulting from the use or misuse of pesticides.

13.03 Nothing in these regulations shall be construed in any way to relieve any person from liability for any damage to the person or lands of another caused by the use of pesticides even though such use conforms to the rules and regulations of the commissioner.

SECTION 14 --- STORING AND DISPOSAL OF PESTICIDES AND PESTICIDE CONTAINERS

14.01 PROHIBITED ACTS

No person shall dispose of or store (or receive for disposal or storage) any pesticide, pesticide container or pesticide container residue:

1. In a manner inconsistent with its label or labeling;
2. So as to cause or allow the open dumping of pesticides or pesticide containers;
3. So as to cause or allow open burning of pesticides or pesticide containers: except: the open burning by the user of small quantities of combustible containers (but to exceed 50 lbs.) containing pesticides other than those containing organic mercury, chlorates, lead, cadmium, or arsenic compounds, is acceptable when allowed by state or local regulations and when due regard is

given to wind direction in relation to the protection of crops, animals and people from the pesticide vapors created through burning;

4. So as to cause or allow dumping of pesticides in any stream, river, pond, sewer or lake, except in conformance with permits issued by the West Virginia Department of Natural Resources or other state agency having jurisdiction regarding water pollution;
5. So as to violate any applicable state or federal pollution control standard.

14.02 Recommended pesticide and pesticide container disposal procedures shall permit the disposal of containers of pesticides registered for use in the home and garden if securely wrapped in several layers of paper and disposed of singly during routine municipal solid waste disposal and disposal of pesticides and pesticide containers on farms where disposal by open-field burial of single containers is undertaken with due regard to the protection of surface and sub-surface waters.

14.03 Until such time as the commissioner along with the Pesticide Advisory Board, and any other person as the commissioner may consult, promulgate more specific rules and regulations covering the disposal and storage of pesticides and pesticide containers not provided in 14.01 or 14.02 of this section, the recommended procedures for the disposal and storage of pesticides and pesticide containers detailed in Regulations promulgated by the Administrator, United States Environmental Protection Agency shall be the recommended procedures for West Virginia. The commissioner shall make copies of these procedures available to any person needing guidance for proper disposal or storage of pesticides or pesticide containers.

SECTION 15 --- PESTICIDE ADVISORY BOARD

Expenses of Members Not From Governmental Departments

15.01 Pesticide Advisory Board members not from governmental departments shall submit expense accounts to the commissioner no later than the 8th day of the month following the month in which expenses were incurred on forms provided by the commissioner. Reimbursements made to members not from governmental departments shall be made for the actual cost of lodging, meals and transportation according to the regulations applicable to department employees.

SECTION 16 --- EXEMPTIONS

16.01 Experimental Research Exemption

The provisions of Section 5 (5.20) of these Regulations relating to categorization of commercial applicators shall not apply to research personnel applying pesticides only to bona fide experimental plots.

SECTION 17 --- RESTRICTED USE PESTICIDE DEALERSHIPS

17.01 Each establishment, store, warehouse or other place where restricted use pesticides are sold or offered for sale shall be considered to be a dealership and at least one person at each dealership shall be licensed as required by the ACT.

17.02 Salesmen or technical sales representatives for out-of-state pesticide dealers shall be subject to the provisions of Section 13 of the ACT.

SECTION 18 - - - APPLICATION AND EQUIPMENT

18.01 No person shall apply, dispense, or use any pesticide in or through any equipment or application apparatus unless such equipment or application apparatus is in sound mechanical condition and capable of satisfactory operation. All pesticide application equipment shall be properly equipped to dispense the proper amount of material; all pesticide mixing, storage, or holding tanks, whether on application equipment or not, shall be leakproof; all spray distribution systems shall be leakproof and any pumps which such systems may have shall be capable of operating at sufficient pressure to assure a uniform and adequate rate of discharge; and all pesticide application equipment shall be equipped with whatever cut-off valves and discharge orifices may be necessary to enable the operator to pass over (or by) non-target areas without contaminating them.

SECTION 19 --- IMPLEMENTATION

19.01 LICENSED PESTICIDE APPLICATION BUSINESS

(a) Effective July 1, 1981 all persons owning or managing a pesticide application business which is engaged in the business of applying pesticides upon the lands of another (whether or not such person applies restricted use pesticides) and who hold Licensed Applicator licenses valid for 1981, shall make application to the commissioner for license and examination on a regular form supplied by the commissioner prior to December 21, 1981, accompanied by the required annual fee of Fifty Dollars (\$50.00),

and the financial security required under section fourteen of the law the section thirteen of these regulations.

(b) Effective July 1, 1981 any person not holding a Licensed Applicator license valid for 1981 and who desires to engage in the business of applying pesticides for hire shall make application to the commissioner on a regular form supplied by the commissioner for a Licensed Pesticide Application Business License. Such applicant, after successfully demonstrating the competency required under section 6 of these regulations, shall be licensed as a Licensed Pesticide Application Business providing the proper fee has been paid and the other requirements of the ACT and these regulations are satisfied.

19.02 PRIVATE APPLICATORS AND OTHER APPLICATORS (COMMERCIAL or CERTIFIED PUBLIC APPLICATOR) NOT ENGAGED IN THE BUSINESS OF APPLYING PESTICIDES UPON THE LAND OF ANOTHER

Private applicators, certified public applicators and commercial applicators in all categories not engaged in the business of applying pesticides upon the lands of another shall make application for certification and determination of competency to the commissioner on a regular form provided by the commissioner, accompanied by the required fee of One Dollar (\$1.00) prior to the date they desire to purchase or use restricted use pesticides, and shall maintain current certifications so long as they desire to use restricted use pesticides.

19.03 DEALERS

All persons who are dealers in restricted use pesticides shall make application for license and examination to the commissioner on a regular form provided by the commissioner, accompanied by the required annual fee of Five Dollars (\$5.00) prior to the date they desire to engage in the business of dispensing restricted use pesticides, and shall maintain such license so long as they desire to deal in restricted use pesticides.

SECTION 20 --- PERMITS

The commissioner may issue a permit to a non-certified applicator to use a restricted use pesticide for a specific use and for a specific period of time providing the person desiring such permit completes an application on a form provided by the commissioner and pays a One Dollar (\$1.00) fee and demonstrates competency in the use of that pesticide according to the label directions. Such demonstration of competency shall be by oral examination before the commissioner.

SECTION 21 --- EFFECTIVE DATE

20.01 Done in the Office of the Commissioner, West Virginia
Department of Agriculture, Capitol Building, Charleston, West
Virginia, 25305, this _____ day of _____,
to become effective the _____ day of _____.

Commissioner of Agriculture