

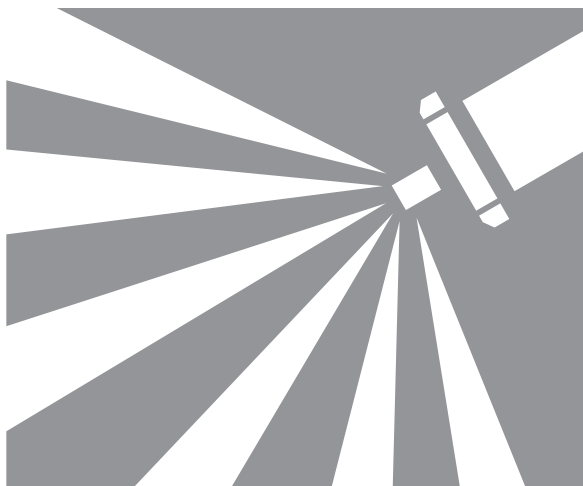


PESTICIDE APPLICATION TRAINING

Pesticide

Application

Field Records



K·STATE
Research and Extension

Kansas State University Agricultural Experiment Station
and Cooperative Extension Service

Name _____

Address _____

Years of records in this book

20____ **to** **20**____.

Contact:

Frannie Miller, Pesticide Coordinator,
Kansas State University

Author:

Donald C. Cress, former Extension Pesticide
Coordinator, Kansas State University

Acknowledgments:

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Portions of this booklet were adapted from the
University of Nebraska publication: EC-93-2540C

Restricted Use Pesticide Application Recordkeeping Requirements

Private applicators must record their restricted use pesticide (RUP) applications, as required by the Food, Agriculture, Conservation and Trade (FACT) Act of 1990; commonly called the 1990 Farm Bill. The USDA, Agricultural Marketing Service administers this activity.

While the 1990 Farm Bill targets only the RUP's, producers are encouraged, as a matter of good business practices, to keep records of ALL pesticide applications.

RUP application records must be maintained for two years from the date of application. The certified pesticide applicator should retain these RUP records, but must be able to make them accessible for copying by authorized regulatory and medical representatives.

RUP application records may be handwritten on individual notes or forms, consist of invoices, be computerized, and/or maintained in recordkeeping books. This booklet can serve for preliminary or final pesticide application records.

Your record elements as required by the 1990 Farm Bill must include the following for **each application**:

- Brand/product name
- EPA registration number
- Total amount applied
- Crop/commodity/site/stored product
- Field location
- Size of area treated
- Application date
- Name of certified applicator
- Certification number

Spot Treatments

Spot treatments are applications made on the same day with total area of less than one-tenth of an acre being treated, require the following information be recorded (except for greenhouse and nursery applicators who must keep all the data elements shown above):

- Brand/product name
- EPA registration number
- Total amount applied
- Location must be designated “spot treatment”
 - Date of application

Explanation of Record Element Terms

- **Record No.**—Each application must be recorded, eg., 1 is a preplant herbicide; 2 is an at planting corn root-worm insecticide; 3 is a foliar fungicide, etc.
- **Date of Application**—Must include month, day and year.
- **Brand/Product**—This is found on the front panel of the label, eg., Ambush Insecticide, Atrazine 4L.
- **Amt.**—This is the “total amount” or quantity of the formulated product used. It does not include the water or other carrying agent. For example, 3 qts; 2½ gal.; 150 lb. (for G or WP).
- **EPA Reg. No.**—This is usually located in the lower part of the front label panel. It is a hyphenated set of numbers, eg., 1234-56. Occasionally, there is a second hyphen. NOTE: Do not record the EPA Est. No.
- **Location** This is the location of the application. It can be recorded as: 1) county, range, township, and section;

2) a system using maps and/or written descriptions;
3) the field numbers designation used by USDA agencies; or 4) the legal property description.

• **Area Treated**—This is the total area treated and should be in terms of the label directions, eg., acres, linear feet, square feet, etc. For livestock and poultry, enter the number of animals treated.

• **Crop/commodity/site/stored product**—Use general terms, eg., wheat, corn, alfalfa, not scientific or variety names. Commodity includes stored products such as grain, apples. Site is entered as livestock, fencerows, poultry.

• **Name**—This is the name of the certified private applicator who made or supervised the application.

• **Cert. No.**—This is the private applicator's certification number (issued by the Kansas Department of Agriculture).

•• **Optional information**—The items under this heading are NOT required by the 1990 Farm Bill. However, they are important information for an efficient business operation.

•• **Target pest(s)**—can be recorded as greenbugs, pigweeds, corn borer, etc.

•• **Size/density**—can be recorded as, for example, 100 (greenbugs or weeds) per row or square foot, larvae/adults (insects), seedling (weeds), etc.

•• **Adjuvants**—These are most commonly used with herbicides to enhance the spray effectiveness.

- **Environmental conditions**—Record as actual or estimates.
- **Method of Application**—Examples are air, ground, chemigation, incorporation, etc.
- **Equipment Used**—This can be general, such as boom, band, aircraft, or specific equipment can be noted.
- **Reentry time/date (t/d)**—For worker protection standards information.
- **Comments**—This can relate to any aspect that may be helpful in the future. For example: 3 days of cool temps. may reduce % control.

Grids

In some cases, it may be useful to diagram whole fields or “difficulty” areas within a field. Several pages of grids are at the end of this booklet. The year, field location, record number, and page where record appears in this booklet can be cross-referenced to the grid.

Example:

Record No. _____

Year _____

Page No. _____

Location _____

Conversions

The following conversions are often helpful.

Volume Conversion Factors:

1 gallon - 231 cubic inches

7.48 gallons = 1 cubic foot

62.4 pounds of water = 1 cubic foot

8.336 pounds of water = 1 gallon

1 cubic foot = 0.1337 gallon

27 cubic feet = 1 cubic yard

Determining Field Areas:

Area of a rectangle = length \times width

Area of right triangle = $\frac{1}{2} \times$ length \times width

Area of a circle = 3.14 \times radius \times radius

Area Conversion Factors:

Acres = square feet/43,560

miles = feet/5,280

miles = rods/320

rods = feet/16.5

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Method of Application _____ Equipment Used _____

Reentry t/d _____ Comments: _____

Record No. _____ Date of Application _____

Brand/Product _____ Amt. _____ EPA Reg. No. _____ - _____ - _____

Brand/Product _____ Amt. _____ EPA Reg. No. _____ - _____ - _____

Brand/Product _____ Amt. _____ EPA Reg. No. _____ - _____ - _____

Brand/Product _____ Amt. _____ EPA Reg. No. _____ - _____ - _____

Location _____ Area Treated _____

Crop/Commodity/Site/Stored Product Treated _____

Name _____ Cert. No. _____

Optional Information:

Target Pest(s) _____ Size/Density _____ Adjuvants _____

Target Pest(s) _____ Size/Density _____ Adjuvants _____

Environmental Conditions: Wind Dir. _____ Speed _____ Temp. _____ Time _____

Method of Application _____ Equipment Used _____

Reentry t/d _____ Comments: _____

38

Record No. _____ Date of Application _____

Brand/Product _____ Amt. _____ EPA Reg. No. _____ - _____ - _____

Brand/Product _____ Amt. _____ EPA Reg. No. _____ - _____ - _____

Brand/Product _____ Amt. _____ EPA Reg. No. _____ - _____ - _____

Brand/Product _____ Amt. _____ EPA Reg. No. _____ - _____ - _____

Location _____ Area Treated _____

Crop/Commodity/Site/Stored Product Treated _____

Name _____ Cert. No. _____

Optional Information:

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Brand/Product _____ Amt. _____ EPA Reg. No. _____ - _____ - _____

Brand/Product _____ Amt. _____ EPA Reg. No. _____ - _____ - _____

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Brand/Product _____ Amt. _____ EPA Reg. No. _____ - _____ - _____

Location _____ Area Treated _____

Crop/Commodity/Site/Stored Product Treated _____

41 Name _____ Cert. No. _____

Optional Information:

Target Pest(s) _____ Size/Density _____ Adjuvants _____

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Brand/Product _____ Amt. _____ EPA Reg. No. _____ - _____ - _____

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Crop/Commodity/Site/Stored Product Treated _____

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Brand/Product _____ Amt. _____ EPA Reg. No. _____ - _____ - _____

Location _____ Area Treated _____

Crop/Commodity/Site/Stored Product Treated _____

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Brand/Product _____ Amt. _____ EPA Reg. No. _____ - _____ - _____

Brand/Product _____ Amt. _____ EPA Reg. No. _____ - _____ - _____

Location _____ Area Treated _____

Crop/Commodity/Site/Stored Product Treated _____

44 Name _____ Cert. No. _____

Optional Information:

Target Pest(s) _____ Size/Density _____ Adjuvants _____

Target Pest(s) _____ Size/Density _____ Adjuvants _____

Environmental Conditions: Wind Dir. _____ Speed _____ Temp. _____ Time _____

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Brand/Product _____ Amt. _____ EPA Reg. No. _____ - _____ - _____

Brand/Product _____ Amt. _____ EPA Reg. No. _____ - _____ - _____

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Brand/Product _____ Amt. _____ EPA Reg. No. _____ - _____ - _____

Brand/Product _____ Amt. _____ EPA Reg. No. _____ - _____ - _____

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Brand/Product _____ Amt. _____ EPA Reg. No. _____ - _____ - _____

Brand/Product _____ Amt. _____ EPA Reg. No. _____ - _____ - _____

Location _____ Area Treated _____

Crop/Commodity/Site/Stored Product Treated _____

50 Name _____ Cert. No. _____

Optional Information:

Target Pest(s) _____ Size/Density _____ Adjuvants _____

Target Pest(s) _____ Size/Density _____ Adjuvants _____

Environmental Conditions: Wind Dir. _____ Speed _____ Temp. _____ Time _____

Method of Application _____ Equipment Used _____

Reentry t/d _____ Comments: _____

Record No. _____

Year _____

Page No. _____

Location _____

North

Record No. _____

Year _____

Page No. _____

Location _____

North

Record No. _____

Year _____

Page No. _____

Location _____

North

Record No. _____

Year _____

Page No. _____

Location _____

North

Record No. _____

Year _____

Page No. _____

Location _____

North

Record No. _____

Year _____

Page No. _____

Location _____

North

Pesticide Emergency Phone Numbers

Keep emergency telephone numbers of pesticide manufacturers and local emergency response personnel readily available.

Poison Control Center _____

Police Department _____

Fire Department _____

Civil Defense _____

Kansas Dept. of Health and Environment

Spill Response Program (785) 296-1679

Kansas Division of Emergency Management

(800) 905-7521

Kansas Dept. of Health and Environment

Bureau of Waste Management

For disposal guidance (785) 296-1600

Kansas Dept. of Agriculture (785) 296-3786

Mid-America Poison Hotline (800) 222-1222

U.S. Environmental Protection Agency

Region 7 Office (913) 281-0991

National Spill Response Center (800) 424-8802

National Pesticide Information Center

(800) 858-7378

Chemtrec (800) 262-8200

Before authorities arrive, get a copy of the pesticide label, and, if possible, determine the toxicity of the pesticide involved. Information from the label can be very helpful to the doctor.

Kansas State University Agricultural Experiment Station and Cooperative Extension Service

P1102

October 2012

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