



Understanding Pesticide Labels

What You'll Learn...

- Pesticide labels are legal documents containing directions for use, handling, storage, and disposal of a pesticide product.
- With so many sections on a label, it can be difficult to discern what you need to know.
- This document helps you better understand what the text within some of the sections means.

1 Herbicide

For use on herbicide tolerant field corn and silage corn

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Active Ingredients:

Acetochlor: 2-chloro-2'-methyl-6'-ethyl-N-ethoxymethylacetanilide	41.67%
Flumetsulam: N-(2,6-difluorophenyl)-5-methyl-1,2,4-triazolo-[1,5a]-pyrimidine-2-sulfonamide	1.3%
Clopyralid: 3,6-dichloro-2-pyridine carboxylic acid, monoethanolamine salt	4.27%
Other Ingredients:	52.76%
Total	100.00%

Acid equivalent: clopyralid: 3,6-dichloro-2-pyridinecarboxylic acid – 3.24% (0.29 lb/gal)

Contains 3.75 lb acetochlor, 0.38 lb clopyralid monoethanolamine salt, and 0.12 lb flumetsulam active ingredient per gallon

Read the entire label before using this product. Use only according to label instructions.

Read "LIMIT OF WARRANTY AND LIABILITY" before buying or using. If terms are not acceptable, return at once unopened.

THIS IS AN END-USE PRODUCT. MONSANTO DOES NOT INTEND AND HAS NOT REGISTERED IT FOR REFORMULATION.

SEE INDIVIDUAL CONTAINER LABEL FOR REPACKAGING LIMITATIONS.

Produced for:

Monsanto Company
800 N. Lindbergh Blvd.
St. Louis, Missouri 63167 USA

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

Keep Out of Reach of Children.

WARNING! AVISO

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Do not get in eyes or on clothing. Avoid contact with skin. Wear protective eyewear (goggles, face shield, or safety glasses). Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. Prolonged or Frequently Repeated Skin Contact May Cause Allergic Reactions in Some Individuals

One of the most important tools for safe and effective use of pesticides is the information on the product label. Labels are legal documents and are required to contain directions on how to properly mix, apply, store, and dispose of a pesticide product. These directions are designed to help ensure the safe and effective use of pesticides. Failure to comply with label directions can potentially harm humans and the environment, as well as lead to possible legal liability.

The number on the text below matches the number in the box for each section of the label in the left column.

1 - Commercial Product Name:

- Product name usually does not identify all of the active ingredients in a pesticide product.
- There may be several trade names for one common name due to different formulations or manufacturers.

2 - Active Ingredient:

- Every label must list all of the active ingredients in a product by weight and/or pounds per gallon for each active ingredient.
- The common and chemical names are unique identifiers of each pesticide active ingredient.

3 - Signal Words:

- Helps users assess the toxicity of each product. The signal word is based on the toxicity of all of the contents of a formulated product.
- Danger-Poison with skull and crossbones – product is highly toxic by any route of entry into the body.
- Danger - product is corrosive, and can cause irreversible skin or eye irritation.
- Warning – moderately toxic products if exposure is by mouth, skin, or inhalation.
- Caution – slightly toxic products if exposure is by mouth, skin, or inhalation; or a slight skin or eye irritation.



Understanding Pesticide Labels (continued)

Personal Protective Equipment (PPE):

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Some of the materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category F or G on an EPA chemical-resistance category selection chart.

Applicators and other handlers must wear: Long-sleeved shirt and long pants, socks, shoes, chemical-resistant gloves made of barrier laminate, and protective eyewear (goggles, face shield, or safety glasses).

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls: When handlers use closed systems, or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-5)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations:

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing.
- As soon as possible, wash thoroughly and change into clean clothing.

FIRST AID:

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IF 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:** Probable mucosal damage may contraindicate use of gastric lavage.
- You may also contact (314) 694-4000, collect, day or night, for emergency medical treatment information
- This product is identified as TripleFLEX II Herbicide, EPA Registration No. 524-614

Environmental Hazards

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This product is toxic to fish. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash water.

Acetochlor demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the ground water is shallow, may result in ground water contamination.

Flumetsulam and clopyralid are known to leach through soil into ground water under certain conditions as a result of agricultural use. Use of this product where soils are permeable, particularly where the water table is shallow may result in leaching to ground water.

Caution should be exercised when handling this product at mixing and loading sites to prevent contamination of groundwater supplies. Use of closed systems for mixing or transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

Acetochlor has properties that may result in surface water contamination via dissolved runoff and runoff erosion. Practices should be followed to minimize the potential for dissolved runoff and/or runoff erosion.

DIRECTIONS FOR USE

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It is a violation of Federal law to use this product in any manner inconsistent with its labeling. This product can only be used in accordance with the Directions for Use on this label or in separately published Monsanto Supplemental labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Not for Sale, Sale Into, Distribution and/or Use in Nassau and Suffolk Counties of New York State.

Storage and Disposal

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Do not allow this product to contaminate water, foodstuffs, feed or seed by storage or disposal.

PESTICIDE STORAGE: Store pesticides away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Keep container closed to prevent spills and contamination.

PESTICIDE DISPOSAL: To avoid wastes, use all material in this container, including rinsate, by application in accordance with label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program. Such programs are often run by state or local governments or by industry. All disposal must be in accordance with applicable federal, state and local regulations and procedures.

CONTAINER HANDLING AND DISPOSAL: See container label for container handling and disposal instructions and refilling limitations.

4 - Personal Protective Equipment (PPE):

- Specific information outlining the minimum protective clothing and gear that must be worn during handling, mixing, and application of the product.

5 - Statement of Practical Treatment (first aid):

- Tells users and medical professionals the type of emergency first aid needed in case of an accident.

6 - Environmental Hazards:

- Directions for users to protect their safety and the safety of the environment.

7 - Directions for Use:

- Proper mixing, handling, and application procedures.
- Pests controlled
- Crops approved for use
- Application use rates
- Application methods and timing
- Application equipment and calibration
- Product mixing with other pesticides and adjuvants in water, fertilizer, or irrigation water.
- Drift management, resistance management, and other pesticide-specific information.

8 - Storage and Disposal

- Guidelines for proper storage, disposal, and handling spills.

Sources:

University of Illinois. Labels and labeling. Pesticide Safety Education program. Michigan State University. 2001. Reading a pesticide label. Extension Bulletin E-2182. University of Nevada. Understanding pesticide labels. Fact Sheet 11-38.

Attention:

This specimen label is provided for general information only.

- This pesticide product may not be available or approved for sale or use in your area.
- It is your responsibility to follow all Federal, state, and local laws and regulations regarding the use of pesticides.
- Before using any pesticide, be sure the intended use is approved in your state or locality.
- Your state or locality may require additional precautions and instructions for use of this product that are not included here.
- Monsanto does not guarantee the completeness or accuracy of this specimen label. The information found in this label may differ from the information found on other product labels. You must have the EPA approved labeling with you at the time of use and must read and follow all label directions.
- You should not base any use of a similar product on the precautions, instructions for use, or other information you find here.
- Always follow the precautions and instructions for use on the label of the pesticide you are using.

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