
Section 10

The Pesticide Label



A pesticide label gives important information. It tells you:

- < the active ingredient
- < what the hazards are when you use the product
- < how dangerous the pesticide is
- < how to use it safely
- < the rates at which the product should be used
- < what to do in case of an accident

The label shows the pesticide is registered by Health Canada. It also gives the name and address of the company that makes the pesticide, if you need more information about it.

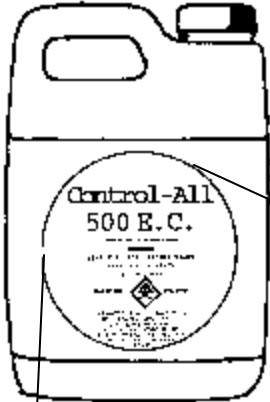
If all of the required information can't fit on the label, the company may include a booklet or pamphlet with the pesticide. They may also print information on the wrapper, or on stickers or tags that are attached to the container. Make sure you have all the information you need before you use any pesticide.

A pesticide label is a legal document. It tells how the product should be used. It is against the law to use the product in any other way, or to use it in an unsafe way. It is also against the law for anyone to tell you that a pesticide can be used for anything that is not on the label.

Pesticide Labels Online

Labels for all registered pesticide products may be accessed on the PMRA web site at www.hc-sc.gc.ca/pmra-arla. Once you are in the main section, click on "Applicants and Registrants".

PRINCIPAL DISPLAY PANEL



2 AGRICULTURAL

3 10 L

1 **CONTROL-ALL**
500 EC

**Emulsifiable Concentrate
Herbicide**

READ THE LABEL BEFORE USING

WARNING



POISON

GUARANTEE: Monolochlor 500 G/L

**REGISTRATION NO. XXXXX
PEST CONTROL PRODUCTS ACT**

**RIDGETOWN COLLEGE
RIDGETOWN ON N0P 2C0**

How to Read the Label

There are two main parts to a pesticide label. The front panel is called the principal display panel. The back or side panel is called the secondary display panel. This section will tell you what information you can find on each panel. Look at the sample labels on pages 86, 88, and 90 as each part of the label is described.

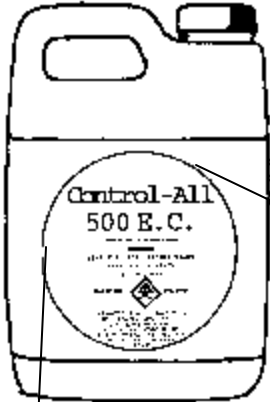
The Principal Display Panel Shows:

- 1 **Product Name.** The product name includes three things:
 - a) the brand name or trade name which is registered with the government. **CONTROL-ALL** is the registered trademark of this product.
 - b) the formulation of the pesticide. This product is a liquid - an **Emulsifiable Concentrate (E.C.)**.
 - c) a description of its use. This product is a **herbicide** used to control weeds.

- 2 **Classification.** This tells you the class to which a product has been assigned, and indicates who can use the product. There are four classifications:
 - a) **Domestic.** These products are intended for use in and around the home. They are sold in small packages and have a low toxicity.
 - b) **Commercial** (may also be called **Agricultural**, **Institutional** or **Industrial**). These products are not meant for use at home. They are designed for use in commercial operations, in agriculture, forestry or industry. They have low to medium toxicity. They must be handled carefully to prevent injuries.
 - c) **Restricted.** The safety of these products for plants, animals or the environment is a concern. They have special detailed labels to show how to handle them safely. (See page 92). You may need a provincial permit to use a restricted product.
 - d) **Manufacturing.** These products are used to manufacture or formulate end-use products. They are not available to the farmer.

- 3 **Net Contents.** This tells you how much of the product is in the package. The amount is shown in metric units. This label shows there are **10 L** (10 litres) in this package.

PRINCIPAL DISPLAY PANEL




AGRICULTURAL

10 L

CONTROL-ALL 500 EC

**Emulsifiable Concentrate
Herbicide**

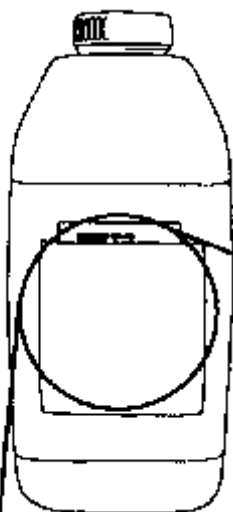
- 4 READ THE LABEL BEFORE USING
- 5 WARNING  POISON
- 6 GUARANTEE: Monochlor 500 G/L
- 7 REGISTRATION NO. XXXXX
PEST CONTROL PRODUCTS ACT
- 8 RIDGETOWN COLLEGE
RIDGETOWN ON N0P 2C0

- 4 **READ THE LABEL BEFORE USING.** This warning must be on the front panel. It is required by the Regulations of the Pest Control Products Act, a federal government law.
- 5 **Precautionary symbols and words.** The PCP Regulations contain symbols and words to show the hazards of using pesticides. All of these symbols and words, and what they mean, are shown on pages 93 and 94.
- 6 **Guarantee.** The guarantee tells you the **common name** of the chemical that is the **active ingredient** in the product. The active ingredient is the part of the pesticide product that controls the pest. There may be more than one active ingredient in the pesticide product, in which case more than one common name will appear on the label. The **chemical name** is the name of the chemical structure of the active ingredient. It is occasionally used on the label in place of the common name if no common name exists.

The guarantee also shows the **concentration**, or how much of the chemical is in the product. The concentration may be measured in two ways:

- a) by the weight per unit volume. This label shows that the active ingredient is the chemical **monolochlor**. There are 500 grams of the chemical in each litre of this pesticide product (**500 g/L**).
 - b) as a percentage by weight. Another label could show the concentration of the chemical as a percentage. For example, a guarantee of 40% means that in each 100 parts of a pesticide, 40 parts are active ingredient.
- 7 **Registration Number (P.C.P. Act#).** This number shows that the product has been registered by PMRA, Health Canada. This registration number identifies the product to the government and the manufacturer.
 - 8 **Name and address.** The name and address of the company or organization that registered the product must be on the label. This company or organization is called the **registrant**. The registrant can provide more information about the product to anyone who asks.

SECONDARY DISPLAY PANEL



9

DIRECTIONS FOR USE

Soybeans: To control broadleaf weeds and grasses, apply 1.75 to 2.5 L/ha when soybeans are in the 2 to 4 trifoliolate.

Apply in 45 to 225 L of water per hectare. Do not apply when temperatures are above 25°C. Do not apply within 30 days of harvest. Do not feed treated foliage to animals.

10

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN.

Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing vapour or spray mist. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling and before eating, drinking and smoking. Do not allow spray to contact susceptible plants. Coarse sprays are less likely to drift.

Avoid contamination of food for human consumption or livestock feed.

Do not contaminate water supplies or any bodies of water.

Avoid freezing. If subjected to freezing temperatures, warm to at least 5°C and mix thoroughly before using.

11

DISPOSAL

Triple rinse the container. Crush or break empty container and dispose of container in accordance with provincial requirements.

FIRST AID:

In case of poisoning, call physician. If on skin, wash thoroughly with soap and water. If in eyes, flush with water for 5 to 10 minutes and get medical attention. If swallowed, do not induce vomiting. This product contains a petroleum distillate. Call a physician immediately. Take the container, label, or product name and PCP Act number with you when seeking medical attention.

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TOXICOLOGICAL INFORMATION

Symptoms include nausea, vomiting, pinpoint pupils, convulsions and coma. This product may cause cholinesterase inhibition. ATROPINE is ANTIDOTAL. Give 2 to 4 mg of atropine sulphate intramuscularly or intravenously immediately and every hour as required until pupils dilate.

13

NOTICE TO USER

This control product is to be used only in accordance with the directions on this label. It is an offence under the Pest Control Products Act to use a control product under unsafe conditions.

14

NOTICE TO BUYER (LIMITATION OF WARRANTY STATEMENT)

Seller's guarantee shall be limited to the terms set out on the label and, subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

15

The Secondary Display Panel Shows:

- 9 Directions for Use.** The directions for use include information about:
 - < what pest the product can be used on (weed, insect, disease)
 - < what crops (livestock) it can be used on
 - < how much to use and how to mix it
 - < how to apply the product
 - < how to protect the crop
 - < when you should not use it
 - < when to harvest (pre-harvest interval, days-to-harvest, pre-slaughter)
 - < re-entry period (the length of time you must stay out of the treated area)
 - < any other restrictions

- 10 Precautionary Statements.** This section tells you what hazards there are in using the product. It tells how to use the pesticide safely and how to protect yourself and others from danger. You will find the child hazard warning “KEEP OUT OF REACH OF CHILDREN” here for Restricted and Commercial class products. This warning must be on the principal display panel of Domestic class products.

- 11 Disposal.** This section tells you how to dispose of the container safely once the product has been used.

- 12 First Aid.** This section tells you what to do if someone is poisoned or injured by the pesticide.

- 13 Toxicological Information.** This section gives more information on the signs and symptoms of poisoning. It also tells the doctor what antidote to use, and any ingredients that may influence the treatment. It is important to give this information to the doctor in case of an accident.

- 14 Notice to User.** This section tells the person using the product to follow the directions on the label. It is against the law to use a pesticide in an unsafe way.

- 15 Notice to Buyer.** This section says that the buyer is responsible for the safe use of the pesticide. Make sure that you follow the directions on the label.

Special Labelling for RESTRICTED Products

Look for special directions on **RESTRICTED** products or products classified as **COMMERCIAL** with a **RESTRICTED** use. If a product has been classified as **RESTRICTED**, the label must have a section called **NATURE OF RESTRICTION** at the top of the secondary display panel, before the directions for use. This section tells you if there are special conditions for using, storing, displaying or distributing the pesticide.

Restricted Uses

The following examples show how a restricted product may be labelled.

Example 1

NATURE OF RESTRICTION: Studies on the safety of this product for users and spray operators are not complete. Directions for use and precautionary statements should be followed carefully.

Example 2





NATURE OF RESTRICTION: This product is to be used only in the manner authorized. Contact local pesticide regulatory authorities about use permits which may be required. This product is to be stored and displayed apart from food and feed.

Hazard Symbols and Words

Learn these symbols and words - they could save your life.

What are the hazards?




Four important symbols and words show the potential hazards of pesticides.

Hazard Symbol	Signal Word
	Poison
	Corrosive
	Flammable
	Explosive

Warning Symbols and Words

The hazard symbol will always appear inside one of the shapes shown below. These shapes and their warning words tell you the degree of hazard of the pesticide. **The greater the number of sides to the shape, the more hazardous the product.**

How hazardous are they?

	Warning Symbol	Signal Word
Triangular shape means low hazard (3 sides)		Caution
Diamond shape means moderate hazard (4 sides)		Warning
Octagonal shape means high hazard (8 sides)		Danger

Eye Hazards

Special Warnings for Eye Hazards

Some products can be dangerous to your eyes. The following words may appear on the label to describe the hazard:

DANGER - CORROSIVE TO EYES
WARNING - EYE IRRITANT
CAUTION - EYE IRRITANT

Skin Hazards

Special Warnings for Skin Hazards

Some products can be dangerous to your skin. The following words may appear on the label to describe the hazard:

DANGER - SKIN IRRITANT
WARNING - SKIN IRRITANT
CAUTION - SKIN IRRITANT

Multiple Symbols

When more than one precautionary symbol is required on the label, all of the hazard symbols and hazard identifying words must appear on the label. However, only the most severe signal word is required. This warning will be for the most dangerous hazard. The example below shows that fire is the most dangerous hazard.

Example:



POISON

DANGER



FLAMMABLE



EXPLOSIVE

No Symbols or Signal Words

If a pesticide label does NOT have any Hazard Symbols or Signal Words, the product's hazards are such that the label does not require them. However, precautions are still necessary and you should handle the pesticide with care.