



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460  
DEC 9 1993

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Lizbeth R. Simila  
RHONE-POULENC AG COMPANY  
BOX 12014  
RESEARCH TRIANGLE PARK, N.C. 27709

Subject: Label Amendment Submission of 07/19/93 in Response to PR Notice 93-7  
EPA Reg. No. 264-181  
THISTROL HERBICIDE

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

**WHAT THIS ACCEPTANCE MEANS:**

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

**WHAT YOU NEED TO DO NEXT:**

Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable  
Printed with Soy/Canola Ink on paper that  
contains at least 50% recycled fiber

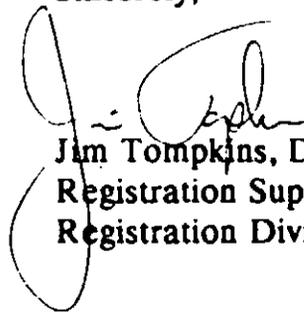
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs (7505C)  
U.S. Environmental Protection Agency  
401 M Street, SW  
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs  
Room 266A, Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief  
Registration Support Branch  
Registration Division (7505W)

Attachment

RHONE-POULENC AG COMPANY

THISTROL HERBICIDE

EPA Reg. No. 264-181

07/19/93

Original Submission

In Agricultural Use Box change "expectations" to "exceptions".

# THISTROL® THISTLE HERBICIDE

**Contains 4-(MCPB). Controls Canada thistle, other broadleaf weeds in peas.**

**ACTIVE INGREDIENT:** Sodium salt of 4-(2-methyl-4-chlorophenoxy) butyric acid\* ..... 23.5%

**INERT INGREDIENTS:** ..... 76.5%

\*4-(2-Methyl-4-chlorophenoxy) butyric acid equivalent 21.4% by weight or 2 pounds per gallon.

E.P.A. Reg. No. 264-181

E.P.A. Est. 264-MD-01

## KEEP OUT OF REACH OF CHILDREN CAUTION

For **MEDICAL** and **TRANSPORTATION** Emergencies **ONLY** Call 24 Hours A Day 1-800-334-7577  
For **PRODUCT USE** Information Call 1-800-334-9745

### PRECAUTIONARY STATEMENTS

#### CAUTION

#### HAZARD TO HUMANS AND DOMESTIC ANIMALS

Harmful if swallowed. Avoid contact with skin, eyes or clothing. In case of contact, wash with plenty of water.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear long-sleeved shirt and long pants, waterproof gloves, and shoes plus socks. Follow manufacturer's instructions for cleaning /maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### ENGINEERING CONTROL STATEMENTS

When handlers use closed systems, enclosed cabs or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], 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 immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

#### ENVIRONMENTAL HAZARDS

Avoid spray drift as this product may injure susceptible crops and plants such as cotton, beans, grape, tomatoes, and ornamentals. (Coarse sprays are less likely to drift.) Do not use same spray equipment for other purposes unless thoroughly cleaned prior to use. Do not apply THISTROL® Thistle Herbicide through any type of irrigation system.

#### DIRECTIONS FOR USE

**It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.**

**Read entire label before using this product.**

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 regulations.

ACCEPTED  
with COMMENTS  
by EPA Letter Dated

DEC 9 1993

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.

264-181

## AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and expectations pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated such as plants, soil or water is coveralls, waterproof gloves, and shoes plus socks.

## STORAGE AND DISPOSAL

### STORAGE

Store in original container in a dry secured storage area. Keep container tightly closed when not in use. Protect from freezing. If allowed to freeze, hold in warm temperature for several days and remix before using.

### PESTICIDE DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

### CONTAINER DISPOSAL

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Do not use this product for purposes other than those recommended on the label.

## GENERAL INFORMATION

THISTROL® Thistle Herbicide will provide safe and effective postemergence control of Canada thistle in field peas. THISTROL® will also provide control or suppression of several annual broadleaf weeds such as common lambsquarters, pigweed, smartweed, sowthistle, and morningglories. Canada thistle is a particularly troublesome weed in pea fields, because it can reduce pea yields through competition, and because flower buds of the weed are difficult to remove from the harvested crop, resulting in loss of crop quality and reduced cash value to the grower.

## MIXING AND HANDLING INSTRUCTIONS

Fill the spray tank 1/2 – 3/4 full with clean water. Begin agitation and add the recommended amount of THISTROL®. Add water to the spray tank to the desired level. Maintain sufficient agitation to ensure a uniform spray mixture during application. For ground application, apply in 20 – 40 gallons of water per acre, using a maximum spray pressure of 40 psi. For aerial application, apply in 5 – 10 gallons of water per acre.

## RECOMMENDATIONS FOR APPLYING THISTROL® Thistle Herbicide

Peas are tolerant to THISTROL® from shoot emergence until about 3 leaf nodes before flowering. Typically, pea plants have developed 6 – 12 nodes at the normal time of Canada thistle treatment. Do not apply THISTROL® later than 3 nodes before pea flowering or after pea flower buds appear, as yield may be adversely affected. Most pea varieties may be safely sprayed with THISTROL®, however, temporary twisting of some pea varieties may follow application. Check with state weed extension specialist or local canning company representatives.

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**RECOMMENDATIONS FOR APPLYING THISTROL® AND THISTROL® + BASAGRAN TANK MIXTURES**

WEEDS SPECIES	THISTROL 2-3 pts		THISTROL 3-4 pts		THISTROL 4-6 pts		THISTROL 2 pts + BASAGRAN 1 pts		THISTROL 3 pts + BASAGRAN 1-1/2 pts	
	MAX LEAF STAGE	MAX WEED HEIGHT	MAX LEAF STAGE	MAX WEED HEIGHT	MAX LEAF STAGE	MAX WEED HEIGHT	MAX LEAF STAGE	MAX WEED HEIGHT	MAX LEAF STAGE	MAX WEED HEIGHT
Common Lambsquarters	2-3	3"	3-4	3-4"	4-5	4-5"	4	2"	8	3"
Pigweed	2-3	3"	3-4	3-4"	4-5	4-5"	5	2"	8	6"
Smartweed	2-3	3"	3-4	3-4"	4-5	4-5"	6	4"	8	6"
Morningglory	2-3	3"	3-4	3-4"	4-5	4-5"	-	-	-	-
Sowthistle	2-3	3"	3-4	3-4"	4-5	4-5"	4-5	4-5"	4-5"	4-5"
Canada Thistle	-	-	-	4-10"	-	4"-BUD	-	4"-BUD	-	4"-BUD
Cocklebur	-	-	-	-	-	-	-	-	6	6"
Common Purslane	-	-	-	-	-	-	4	1"	6	2"
Common Ragweed	-	-	-	-	-	-	-	-	6	3"
Field Pepperweed	-	-	-	-	-	-	6	4"	10	8"
Giant Ragweed	-	-	-	-	-	-	-	-	4	6"
Henbit	-	-	-	-	-	-	-	-	4	2"
Jimsonweed	-	-	-	-	-	-	4	4"	6	6"
Marshelder	-	-	-	-	-	-	-	-	4	2"
Prickly Sida	-	-	-	-	-	-	6	3"	8	4"
Shepherdspurse	-	-	-	-	-	-	6	4"	10	8"
Velvetleaf	-	-	-	-	-	-	-	-	4	2"
Wild Mustard	-	-	-	-	-	-	6	4"	10	10"
Wild Radish	-	-	-	-	-	-	6	4"	10	10"
Wild Sunflower	-	-	-	-	-	-	-	-	4	5"

**RESTRICTIONS AND PRECAUTIONS**

- Do not spray peas under moisture stress.
- Do not spray peas when the air temperature exceeds 90° F.
- Do not spray peas later than 3 nodes before pea flowering or after pea flower buds appear.
- Do not exceed the maximum recommended rate of THISTROL® listed on this label.
- Do not feed treated peas or pea vines to livestock.

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## LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants that this product conforms to the chemical description on the label; that this product is reasonably fit for the purposes set forth in the directions for use when it is used in accordance with such directions; and that the directions, warnings and other statements on this label are based upon responsible experts' evaluation of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants, and of residues on food crops and upon reports of field experience. Tests have not been made on all varieties or in all states or under all conditions. THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE, ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS OR CAUTIONS.

BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF, OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

### NOTICE TO BUYER

Purchase of this material does not confer any rights under patents governing this product or the use thereof in countries outside of the United States.

Rhône-Poulenc Ag Company  
P.O. Box 12014, 2 T.W. Alexander Drive  
Research Triangle Park, North Carolina 27709

THISTROL is a registered trademark of Rhône-Poulenc.  
THISTROL® Thistle Herbicide (PENDING) Submitted \_\_\_/\_\_\_/93.

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