

71368-5

09/30/2008

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U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505P)
Ariel Rios Building
1200 Pennsylvania Ave., NW
Washington, D.C. 20460

EPA Reg. Number: 71368-5

Date of Issuance: SEP 30 2008

NOTICE OF PESTICIDE:
Registration
[X] Reregistration
(under FIFRA, as amended)

Term of Issuance:

Name of Pesticide Product: Thistrol Herbicide

Name and Address of Registrant (include ZIP Code):
Nufarm, Inc.
150 Harvester Drive, Suite 200
Burr Ridge, Illinois 60527

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is reregistered in accordance with FIFRA section 4(g)(2)(C) provided you:

- 1. Submit and/or cite all data required for registration/reregistration review of your product when the Agency requires all registrants of similar products to submit data.
2. Per the acute toxicity review, revise the Hazards to Humans and Domestic Animals to read as follows:
"Corrosive. Causes irreversible eye damage. Harmful if swallowed. Harmful is absorbed through skin. Harmful if inhaled. Do not get in eyes or on clothing. Avoid contact with skin. Avoid breathing vapor or spray mist.

3. Per the acute toxicity review add the following:

"Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage."

Signature of Approving Official:

Joanne I. Miller
Product Manager 23
Herbicide Branch
Registration Division (7505P)

Handwritten signature of Joanne I. Miller

Date:

SEP 30 2008

4. The label should contain information which addresses the primary eye irritation Toxicity Category I. The following statements are some suggested types of information that could be included, if applicable, in the Note to Physician:

- technical information on symptomatology;
- use of supportive treatments to maintain life functions;
- medicine that will counteract the specific physiological effects of the pesticide;
- company telephone number to specific medical personnel who can provide specialized medical advice.

5. Per the RED, in the Environmental Hazards section the word 'grape' should be changed to grapes.

6. Per the **MCPB** RED label table, the text in **bold type** below must be added to the User Safety Requirements:

“...If no such instructions for washables **exist**, use detergent and hot water...”

A stamped copy of your labeling is enclosed for your records. Submit one copy of the revised final printed label for the record before you release the product for shipment. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

Thistrol® Herbicide

ACCEPTED
with COMMENTS
In EPA Letter Dated:
SEP 30 2008

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

71368-5

CONTROLS OR SUPPRESSES CANADA THISTLE AND
CERTAIN OTHER BROADLEAF WEEDS IN PEAS

CONTAINS MCPB

ACTIVE INGREDIENT:

Sodium salt of 4-(2-Methyl-4-chlorophenoxy) butyric acid* 23.5%

OTHER INGREDIENTS: 76.5%

TOTAL: 100.0%

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

KEEP OUT OF REACH OF CHILDREN

DANGER - PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

SEE INSIDE BOOKLET FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300
For Medical Emergencies Only, Call (877) 325-1840

EPA REG. NO. 71368-5
EPA EST. NO. 228-IL-1

MANUFACTURED FOR
NUFARM INC.
150 HARVESTER DRIVE
BURR RIDGE, IL 60527



NET CONTENTS

071368-00005.20080208.MCPB RED

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER - PELIGRO**

Corrosive. Causes irreversible eye damage. Do not get in eyes or on clothing. Wear protective eyewear (goggles, face shield or safety glasses) when handling. Harmful if swallowed or absorbed through the skin. Avoid contact with skin. 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.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Mixers, loaders and other handlers must wear long-sleeved shirt, long pants, shoes plus socks, protective eyewear and chemical-resistant gloves when mixing, loading or exposed to the concentrate. A material that is chemical-resistant to this product is natural rubber. If you want more options, follow the instructions for category B, C, D, E, F, G or H on an EPA chemical-resistant category selection chart. All of these options provide high chemical-resistance for this product, but exceed levels of protection required for this formulation. 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 CONTROLS

Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40CFR 170.240(d)(6)].

USER SAFETY RECOMMENDATIONS	
Users Should:	
<ul style="list-style-type: none"> • Wash with plenty of soap and water 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	
IF IN EYES	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 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.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
IF SWALLOWED	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF INHALED	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
HOT LINE NUMBER	
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.</p>	

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 this product 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.

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 exceptions 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, chemical-resistant gloves made of any waterproof material and shoes plus socks.

GENERAL INFORMATION

This product will provide safe and effective post-emergence control or suppression of Canada thistle in field peas. This product 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.*

Apply only as a medium or coarser spray (ASAE standard 572) or a volume mean diameter of 300 microns or greater for spinning atomizer nozzles. A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application (e.g., ground, aerial) can influence pesticide drift. The applicator and grower must evaluate all factors and make appropriate adjustments when applying this product.

WIND SPEED: Do not apply at wind speeds greater than 10 mph at the application site.

DROPLET SIZE: Apply as a medium or coarser spray (ASAE standard 572).

RELEASE HEIGHT (GROUND APPLICATION): Apply using a nozzle height of no more than 4 feet above the ground or crop canopy.

RELEASE HEIGHT(AERIAL APPLICATION): Do not release spray at a height greater than 10 feet above the ground or crop canopy.

MIXING AND HANDLING INSTRUCTIONS

Fill the spray tank 1/2 to 3/4 full with clean water. Begin agitation and add the recommended amount of this product. 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 to 40 gallons of water per acre, using a maximum spray pressure of 40 psi. For aerial application, apply in 5 to 10 gallons of water per acre.

RECOMMENDATIONS FOR APPLYING THIS PRODUCT

Peas are tolerant to this product from shoot emergence until about 3 leaf nodes before flowering. Typically, pea plants have developed 6 to 12 nodes at the normal time of Canada thistle treatment. Do not apply this product 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 this product, however, temporary twisting of some pea varieties may follow application. Check with state weed extension specialist or local canning company representatives.

When using the tank mixture of this product plus BASAGRAN[®], observe the more restrictive of the two labels for directions, precautions or limitations.

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

Weed Species	THISTROL 2-3 pints		THISTROL 3-4 pints		THISTROL 4-6 pints		THISTROL 2 pints + BASAGRAN 1 pint		THISTROL 3 pints + BASAGRAN 1-1/2 pints	
	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"
Sheperdspurse	-	-	-	-	-	-	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 this product listed on this label.
- Do not feed treated peas or pea vines to livestock.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE 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: To avoid wastes, use all material in this container by application according to label directions. If waste cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

CONTAINER DISPOSAL: Nonrefillable Containers: Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds, after the flow begins to drip. Fill the container 1/4 full with water and soap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. If burned, stay out of smoke. **Refillable Containers:** Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal, triple rinse or equivalent. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. If burned, stay out of smoke.

WARRANTY DISCLAIMER

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If you do not agree with or do not accept any of directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

(RV020808)

THISTROL[®] is a registered trademark of Nufarm Americas, Inc.

BASAGRAN[®] is a registered trademark of BASF Corp.

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NOT TO BE PART OF THE PRINTED LABEL
FOR INTERNAL REGULATORY USE ONLY

07/02/07 Created master EPA label from Nufarm 71368-5 printed label which refers to EPA Stamped Letter
12/09/1993 Rhone Poulenc 264-181.

02/08/08 Made changes for MCPB RED.

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Secondary Review of 71368-5

In paragraph 2 delete "Wear protective eyewear.... Category A). This text duplicates the PPE section