

U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Progra Registration Division (H7505C) 401 "M" St., S.W. Washington, D.C. 20460

NOTICE OF PESTICIDE:

X Registration

Reregistration

EPA Reg. Number: 34704-922

Date of Issuance:

MAR 2 1 2006

Term of Issuance:

Conditional

Name of Pesticide Product:

Butyric 175 Herbicide

(under FIFAF, as amonded,

Name and Address of Registrant (include ZIP Code):

Loveland Products, Inc.

P.O. Box 1286

Greelev, Colorado 80632-1286

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and attepted 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 mereby registered reresistered 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 rotion, may at any time suspend or cancel the registration of a pesticide in accordance with the Adm. The acceptance of any name in connection with the registration of a product under this Adm 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 registered in accordance with FIFRA sec. 3(c)(7)(A' provided that you:

1. Add the phrase "EPA Registration No. 34704-922 to the label before you release the product for shipment.

COMMENTS CONTINUED ON PAGE 2 OF THIS NOTICE OF REGISTRATION

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product under the enclosed stamped copy of the label constitutes acceptance of these conditions.

Enclosure

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

Signature of Mainths Til said

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EFA Form 8570-

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#### Comments Continued:

- 2. Revise the chemical expression of the active ingredient in the front panel to read "Dimethylamine salt of 4-(2,4-dichlorophenoxy) butanoic acid, and "4-(2,4-dichlorophenoxy) butanoic acid", respectively, as it occurs in the ingredient statement. (Follow PR Notice 97-5).
- 3. The label must show the "Net Contents: \_\_\_\_\_", in liquid measure on the front panel.
- 4. Add your Establishment No. to the front panel of the final printed labeling.
- 5. Paginate the revised accepted labeling under this "Notice of Pesticide Registration.
- 6. Submit one (1) copy of the final printed labeling before you release this product for shipment.
- 7. Submit and/or cite all data required for the registration of this product when the Agency requires all registrants of similar products to submit data; and submit acceptable responses required for reregistration of this product under FIFRA, section 4.

# **Butyric 175 Herbicide**

For the control of seedling broadleaf weeds in peanuts, soybeans, and seedling stands of alfalfa, and for use on established stands of alfalfa.

#### **ACTIVE INGREDIENT:**

Dimethylamine salt of 4-(2,4-dichlorophenoxy) butyric acid*	23.00%
INERT INGREDIENTS:	<u>77.00%</u>
TOTAL	. 100.00%

\*Equivalent to 19.5% by weight of 4-(2,4-dichlorophenoxy) butyric acid, or not less than 1.75 lbs. 4-(2,4-DB) acid per gallon at 68°F.

EPA Registration No. 34704-

EPA Establishment No.

# KEEP OUT OF REACH OF CHILDREN CAUTION

See inside booklet for additional precautionary language

ACCEPTED with COMMENTS In EPA Letter Dated:

MAR 2 1 2006

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

34704-922



	FIRST AID
If swallowed:	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 on skin or	Take off contaminated clothing.
clothing:	Rinse skin immediately with plenty of water for 15-20 minutes.
<del>-</del>	Call a poison control center or doctor for treatment advice.
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.
If inhaled	Move person to fresh air.
	If person is not breathing, call 911 or an ambulance, then give
	artificial respiration, preferably mouth-to-mouth if possible.
	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 f	or treatment.
FOR A MEDIC. 1-800-301-7976.	AL EMERGENCY INVOLVING THIS PRODUCT CALL:

AGRICULTURAL CHEMICAL - DO NOT SHIP OR STORE WITH FOOD, FEEDS, DRUGS, OR CLOTHING.

# PRECAUTIONARY STATEMENTS CAUTION

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if swallowed. Avoid breathing spray mist. Avoid contact with skin, eyes, and clothing. In case of contact, immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists.

PERSONAL PROTECTIVE EQUIPMENT (PPE): Applicators and other handlers must wear: long-sleeved shirt and long pants, chemical resistant gloves made of any waterproof material, shoes plus socks, chemical-resistant headgear for overhead exposure.

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.

# **USER SAFETY RECOMMENDATIONS**

Users should:

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 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.

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After handling this product immediately remove PPE, wash yourself thoroughly and change into clean clothing.

#### **ENVIRONMENTAL HAZARDS**

Do not apply directly to water, 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 washwaters. Do not contaminate water intended for irrigation or domestic purposes. Do not apply when weather conditions favor drift from target area.

#### **DIRECTIONS FOR USE**

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

### 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 interval. 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 48 hours.

PPE required for early entry into 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, shoes plus socks, chemical-resistant headgear for overhead exposure.

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#### STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Open dumping is prohibited. Do not store this product near fertilizers, seeds, insecticides, or fungicides. Store at temperatures above 32°F. If product is allowed to freeze, warm to 50°F and agitate thoroughly before using. Containers should not be stacked more than six (6) high. Close all partially used containers by thoroughly tightening screw cap. Damaged or leaking containers which cannot be used immediately should be transferred to suitable sound containers and properly marked. Absorb any spill with suitable clay absorbent and dispose of as indicated under "Pesticide Disposal".

For safety and prevention of unauthorized use, all pesticides should be stored in locked facilities.

To prevent accidental misuse, different pesticides should be stored in separate areas with enough distance between to provide clear identification.

Opened, partially used pesticides should be stored in original labeled containers when possible. When transfer to another container is necessary because of leakage or damage, carefully mark and identify contents of the new container.

**PESTICIDE DISPOSAL:** Pesticide wastes are hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your state pesticide or environmental control agency or the hazardous waste representative at the nearest EPA regional office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. For help with any spill, leak, fire or exposure involving this material, call day or night CHEMTREC - 1-800-424-9300.

Apply this product only as specified on this label.

**NOTE:** Avoid spray drift to susceptible plants and crops: cotton, tobacco, tomatoes, ornamentals, etc. Coarse sprays are less likely to drift.

Spray equipment previously used to apply another phenoxy must be thoroughly cleaned with alkali and water prior to use with Butyric 175 Herbicide. Similarly, after using Butyric 175 Herbicide wash sprayer thoroughly before using again to spray susceptible crops. Do not use near greenhouses. Observe all caution and limitations on labeling of all products used in mixtures.

Use agitation to keep solution well mixed, especially if it has been allowed to stand unagitated.

Calibrate sprayer accurately.

DO NOT APPLY WHEN CROP IS STRESSED FROM LACK OF MOISTURE. DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM.

GROUNDWATER CONTAMINATION: Most cases of groundwater contamination involving phenoxy herbicides such as 2,4-DB have been associated with mixing/loading and disposal sites. Caution should be exercised when handling 2,4-DB pesticides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing

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or transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will prevent groundwater contamination.

#### ALFALFA APPLICATION:

For use in seedling alfalfa, spray when the crop has reached the 1 to 2 trifoliate leaf stage and growing conditions are good. In established alfalfa certain weeds will emerge in the fall and over winter in a rosette stage. Best control of these weeds will result from application in late fall or early winter rather than in the spring. Do not apply after flowering.

#### WHEN TO APPLY:

Weeds must be in the young seedling stage and actively growing to achieve satisfactory results. For best results spray weeds in the 2 to 5 leaf stage of growth.

#### **AMOUNT TO USE:**

Apply Butyric 175 Herbicide as an overall spray by ground sprayer or airplane. Apply at rates listed below according to weed problems. Use the higher rate if weeds are past the seedling stage. Aerial applications should be made in at least 5 gallons of water per acre. while ground sprayer applications should be in a minimum of 10 gallons of water per acre. Higher spray gallonage per acre will give better coverage and weed control. Spray gallonage should give adequate coverage of the weeds without run-off. The use of a nonionic surfactant or crop oil concentrate approved for agricultural uses at their label rates will usually result in better weed control, especially if weeds are beyond the seedling stage.

BRO.	ADL	EAF	WEE	DS
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Rate of Butyric 175 Herbicide per Acre

Annual Morningglory (*Ipomoea* spp.)

Cocklebur (*Xanthium* spp.)

Common Lambsquarters (Chenopodium album)

Jimsonweed (Datura stramonium)

Kochia or Mexican Fireweed (Kochia scoparia)

Pigweed (Amaranthus spp.)

Velvetleaf (Abutilon theophrasti)

Wild Turnip (Brassica campestris)

Black Mustard (Brassica nigra)

6 1/2 pints

4 ½ pints

Buckhorn Plantain (Plantago lanceolata)

Common Ragweed (Ambrosia artemisiifolia)

Curly Dock (Rumex crispus)

Field Pennycress (Fanweed or Stinkweed)(Thiaspi arvense)

Hedge Smartweed (Polygonum scandens)

Ladysthumb (*Polygonum persicaria*)

Prickly Lettuce (Lattuca serriola)

Shepherdspurse (Capsella bursa-pastoris)

Sweetclover (Volunteer plants) (Melilotus spp.)

Wild Beet (Beta maritina)

Wild Mustard (Brassica kaber)

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Do not graze established alfalfa, nor feed straw or hay from established alfalfa to livestock within 30 days after application. Do not graze or feed SEEDLING alfalfa within 60 days after application. Irrigation, in particular overhead sprinkler irrigation, should be delayed as long as possible (10 days or more) following application of Butyric 175 Herbicide to avoid washing the chemical into the root zone. Do not apply when crop is stressed from lack of moisture. DO NOT use on peas.

Apply as a postemergence spray. When properly timed there is little or no effect on the crop. In established alfalfa there may be some twisting of stems and malformation of leaves. This condition is usually outgrown.

Do not spray when daytime temperatures are expected to exceed 90°F within the next 2 to 3 days. Do not apply if temperatures are likely to fall below 40°F during or shortly after treatment.

Use of a surfactant or crop oil concentrate in the desert areas of California and Arizona may cause some crop injury under certain climatic and crop stress conditions. Do not use a surfactant unless possible crop injury is acceptable.

### PEANUTS APPLICATION:

Apply Butyric 175 Herbicide post emergent as an overall spray by ground sprayer or airplane. With ground applications use a boom sprayer with flat fan-type nozzle. Adjust the height of the boom above the crop so the growing terminals of weeds are sprayed. Use low pressure (about 20 to 40 lbs. per square inch). Do not use boom jet nozzles. With airplane applications Butyric 175 Herbicide has been successfully applied using 5 gallons of total solution per acre. The height of the application should insure THOROUGH COVERAGE of the tops of the weeds. Best control has resulted from airplane application with coarse spray when cocklebur is at least crop high and actively growing. Other weed species should be in the seedling stage and actively growing. Airplane application is not recommended in the vicinity of susceptible crops.

Do not apply if peanuts are suffering from lack of moisture.

#### **AMOUNT TO USE:**

Apply the recommended rates as indicated in the table below

Rate of Butyric 175 Herbicide per Acre
1.0 pint (1 gal/8 acres)
1 ¾ pints (1 gal/4 ½ acres)

Do not apply more than two (2) applications per season; second application should be made no later than the late bloom stage of peanuts (about 90 to 100 days after planting).

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Do not feed treated peanut vines or peanut hay to livestock. Do not apply to peanuts within 30 days of harvest.

SOYBEANS APPLICATION: Apply Butyric 175 Herbicide post emergent as an overall spray by ground sprayer or airplane. With ground application use a boom sprayer with flat fan-type nozzles. Adjust the height of the boom above the crop so the growing terminals of all weeds are sprayed. Use low pressure (about 20 to 40 lbs. per square inch). Do not use boom jet nozzles. With airplane applications Butyric 175 Herbicide has been successfully applied using 5 gallons of total spray solution per acre. The height of the application should insure thorough coverage of the tops of the weeds. Best control has resulted when cocklebur is at least crop high and actively growing. Airplane application is not recommended in the vicinity of susceptible crops. Do not apply if soybeans are suffering from lack of moisture.

## TOPICAL (OVERHEAD OR OVER-THE-TOP) APPLICATIONS

Apply from 7 to 10 days before soybeans bloom through mid-bloom. A good indication that the beans are about to bloom is when the soybean plants have turned a dark green color. If application is made 7 to 10 days before bloom, apply one (1) gallon of Butyric 175 Herbicide per 10 acres; if application is made from early-bloom through mid-bloom, apply 1 gallon of Butyric 175 Herbicide per 8 acres. Use sufficient water to obtain adequate coverage. The rates recommended are for the control of cocklebur. These rates will also stunt or partially control certain other weeds including annual morning glory, velvetleaf and jimsonweed. In the Midwest use only a directed application since topical application may reduce soybean yields.

**NOTICE:** Application should not be made to sparsely foliated stands stressed because of disease or lack of moisture. It is essential that the canopy above the soybeans be complete. To apply the product otherwise could result in crop damage such as stalk and stem splitting, and reduction in yield.

#### DIRECTED APPLICATIONS

For best results apply when weeds do not exceed 3 inches in height. Good coverage of the growing terminals of weeds is essential for effective control. Do not allow spray pattern to contact more than the lower one-third of the soybean plants.

Do not apply more than two (2) applications per season. Precise application is essential to prevent damage to the crop. In order to maintain the correct spraying height, nozzles must be mounted on oiling shoes, skid shoes, or on cultivators with gauge wheels. Do not use booms with drop nozzles.

First Application: Apply as a directed spray when soybeans are 8 to 12 inches tall and weeds have emerged.

Second Application: Apply as a directed spray no later than mid-bloom stage.

#### **AMOUNT TO USE:**

Apply the recommended rates as indicated in the table below.

BROADLEAF WEEDS	Rate of Butyric 175 Herbicide per Acre
Cocklebur (Xanthium spp.)	1.0 pint (1 gal/8 acres)
Annual Morningglory (Ipomoea spp.)	1 34 pints (1 gal/4 1/2 acres)
Common Lambsquarters (Chenopodium	
album)	<u> </u>

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Common Ragweed (Ambrosia	
artemisiifolia)	
Jimsonweed (Datura stramonium)	
Sicklepod (Coffeeweed) (Cassia	
obtusifolia)	
Velvetleaf (Abutilon theophrasti)	

While some temporary twisting of soybean plants may follow an application, this will have little or no permanent effect on the crop.

Applications made under adverse growing conditions, such as periods of drought, will result in injury to the beans; under such conditions the crop should not be sprayed. Do not spray Butyric 175 Herbicide on soybeans showing a general infestation of *Phytophthora*.

Do not apply more than the recommended amount.

Do not harvest soybeans within 60 days after application.

Do not use on soybeans grown West of the Rocky Mountains.

# DIRECTED BAND APPLICATIONS OF MIXTURES OF BUTYRIC 175 HERBICIDE AND LOROX® 50 W

Application: Apply directed spray when beans are at least 8 inches tall and when weeds do not exceed 2 inches in height. Direct spray to cover weed foliage with minimum contact of the soybean plant. Do not spray higher than 3 inches on the soybean stem or crop injury may result. Use an 8002T-Jet (or equivalent) or larger with minimum of 25 gallons per broadcast acre and spray pressure of 20 to 25 psi, to avoid spray drift. For each 25 gallons of spray mixture a pint of surfactant such as Surfactant WK may be added. Continuous agitation in the spray tank is required to keep the material in suspension. Agitate by mechanical or hydraulic means; if by-pass or return line is used, it should terminate at the bottom of the tank to minimize foaming. Openings in nozzle screen should be equal to or larger than 50 mesh. Apply with sprayer nozzles mounted on skid shoes, oiling shoes, or on cultivators with gauge wheels. Do not mount on booms with drop nozzles or on cultivators without gauge wheels.

**Amount to Use:** Apply the recommended rates as indicated in the table below.

BROADLEAF WEEDS	Rate of Butyric 175 Herbicide and Lorox® per broadcast acre
Annual Morningglory ( <i>Ipomoea</i> spp.)	1.0 pint
Cocklebur (Xanthium spp.)	
Common Lambsquarters (Chenopodium	\ <b>+</b>
album)	1 pound
Common Ragweed (Ambrosia artemisiifolia)	
Crabgrass (Digitaria spp.) (2 leaf)	
Jimsonweed (Datura stramonium)	
Prickly Sida (Teaweed) (Sida spinosa)	
Sesbania (Sesbania spp.)	
Velvetleaf (Abutilon theophrasti)	

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Use a proportional amount of the two chemicals on the band (for example, on a 12 inch band in 36 inch rows use 1/3 pint of Butyric 175 Herbicide and 1/3 lb. of Lorox per acre). If a new flush of weeds occurs after initial treatment, make a second application but do not apply within 60 days of harvest or make more than 2 applications per growing season. Do not allow spray or spray drift to contact growing terminals of beans, as excessive crop injury will result. Do not feed soybean forage or hay to livestock from fields treated with this mixture. Harvested soybeans may be used for feed or oil purposes.

NOTE: Do not use on sands, loamy sands, gravelly soils, or on exposed sub-soils. Do not use on soils containing less than ½% organic matter as crop injury may result. Observe all cautions and limitations of labeling of all products used in mixture.

Notice: Read the entire label. Use only according to label directions. Before using this product, read Warranty Disclaimer, Inherent Risks of Use and Limitation of Remedies at end of label booklet. If terms are unacceptable, return at once unopened.

#### **WARRANTY DISCLAIMER AND NOTICE**

THE DIRECTIONS FOR USE OF THIS PRODUCT ARE BELIEVED TO BE ADEQUATE AND SHOULD BE FOLLOWED CAREFULLY. IT IS IMPOSSIBLE TO ELIMINATE ALL RISKS INHERENTLY ASSOCIATED WITH THE USE OF THIS PRODUCT. CROP INJURY, INEFFECTIVENESS, OR OTHER UNINTENDED CONSEQUENCES MAY RESULT DUE TO SUCH FACTORS AS WEATHER CONDITIONS, PRESENCE OR ABSENCE OF OTHER MATERIALS, OR THE MANNER OF USE OR APPLICATION, ALL OF WHICH ARE BEYOND THE CONTROL OF LOVELAND PRODUCTS, INC., THE MANUFACTURER OR SELLER.

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