

Reg # 45639-60

PM-23

File

196

United States Environmental Protection Agency  
Washington, D.C. 20460

OCT 12 1993

Office of  
Prevention, Pesticides and  
Toxic Substances

Nang-Ly Chow, Ph.D.  
NOR-AM CHEMICAL COMPANY  
3509 SILVERSIDE ROAD  
WILMINGTON DE 19803

Subject: Label Amendment Submission of 06/17/93  
in Compliance with WPS Labeling Requirements  
EPA Reg No. 45639-60  
NORTON GS

Dear Registrant.

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is accepted subject to the comments listed below.

Based on your certification, the Agency has accepted only those changes to your labeling which are necessary to comply with PR Notices 93-7 and 93-11, which reflect the WPS labeling requirements of 40 CFR part 156, subpart K. Any other labeling changes submitted in connection with this amendment application and not directly related to compliance with PR Notice 93-7 or 93-11 have neither been reviewed nor accepted by the Agency. If you wish to make any such changes, you must submit a separate amendment application proposing them. If your product registration is currently suspended, acceptance of this labeling amendment does not affect the suspension in any way.

A copy of your proposed labeling stamped "Accepted with comments" is attached. Make any required changes described in the attached and send three copies of final labeling as soon as it is available to:

Document Processing Desk (FIN-LABEL)

296  
Office of Pesticide Programs (H-7504C)  
U.S. Environmental Protection Agency  
401 M Street SW  
Washington, DC 20460-0001

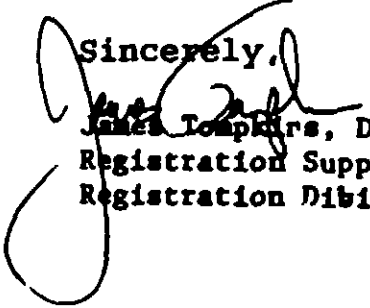
Hand or courier deliveries of final labels may be made to:

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

Please correct the typographical errors circled on the draft before printing final labeling.

In your final labeling the "Agricultural Use Requirements" text must be contained in a clearly separate box. This box may be set apart by a line, by another graphical device, by a different color background, or in any other way that clearly distinguishes it from surrounding text.

Sincerely,



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

# SPECIMEN LABEL

396

ACCEPTED  
with COMMENTS  
in EPA Letter Dated  
GCT 12 1993

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
45639-60

BEST AVAILABLE COPY

# Nortron® GS

## FLOWABLE HERBICIDE

For Certain Grass Seed Crops in Western Oregon and Western Washington

### ACTIVE INGREDIENT:

Ethofumesate (2-ethoxy-2,3-dihydro-3,4-dimethyl-6-  
benzofuran-1-methanesulfonate)

### Percent by Weight

### INERT INGREDIENTS:

TOTAL

This product contains 40.0% Active Ingredient (Ethofumesate) per gallon.

EPA Reg. No. 45639-60

EPA Est. No. 1812-GA-03

KEEP OUT OF REACH OF CHILDREN

**CAUTION**

Avoid contact with skin, eyes or clothing.  
SEE BACK PANEL FOR ADDITIONAL FIRST AID  
AND PRECAUTIONARY STATEMENTS

**NOR-AM**

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS **CAUTION**

**First Aid** – Avoid contact with skin, eyes, or clothing. In case of contact, immediately flush eyes or skin with plenty of water.

### PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

- > Long-sleeved shirt and long pants
- > Waterproof gloves
- > 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 CONTROLS STATEMENT

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.
- > 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.

### ENVIRONMENTAL HAZARDS

For terrestrial uses, 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 apply when weather conditions favor drift from target area. Do not contaminate water when disposing of equipment washwaters.

### STORAGE AND DISPOSAL

**Storage** – Protect Nortron® GS from frost.

**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 by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

### DIRECTIONS FOR USE

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

**SHAKE CONTAINER WELL BEFORE USING.** Read entire Directions for Use and Disclaimer of Warranties 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 regulation.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard 40 CFR 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 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 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
- > Shoes plus socks

## RECOMMENDATIONS

**RYEGRASS, TALL FESCUE, ORCHARDGRASS, KENTUCKY BLUEGRASS AND BENTGRASS SEED CROPS**  
(For use in Western Oregon and Western Washington only)

### GENERAL INFORMATION

Nortron GS is a selective herbicide for use in ryegrass, tall fescue, orchardgrass, Kentucky bluegrass and bentgrass seed crops in Western Oregon and Western Washington. It effectively controls or reduces competition from those weed species listed below. Nortron GS may be applied preemergence to new seedlings of annual ryegrass or postemergence to established stands of perennial ryegrass, tall fescue, orchardgrass, Kentucky bluegrass or bentgrass. Application to Kentucky bluegrass or bentgrass is restricted to plantings which have been established for one year or longer. Soil should be moist at time of application. Nortron GS is less effective when applied to dry soil. Rainfall shortly after application is necessary for activation.

Make only one application per season, either preemergence or postemergence, not both.

### Weeds Controlled:

Annual bluegrass .....	<i>Poa annua</i>
Rattail fescue .....	<i>Festuca myuros</i>
*Volunteer wheat .....	<i>Triticum</i> spp.
Volunteer barley .....	<i>Hordeum</i> spp.
Soft chess .....	<i>Bromus mollis</i>
Wild oats .....	<i>Avena fatua</i>
Downy brome .....	<i>Bromus tectorum</i>
Common chickweed .....	<i>Stellaria media</i>
Common vetch .....	<i>Vicia sativa</i>
Common velvetgrass .....	<i>Holcus lanatus</i>
Mannagrass .....	<i>Glyceria</i> spp.

Note: Nortron GS does not control volunteer ryegrass. Other registered herbicides will be required to control volunteer annual or perennial ryegrass seedlings.

### HOW TO USE:

Spray equipment: Use a fixed boom power sprayer properly calibrated to a constant speed and rate of delivery. Use a 50 mesh strainer and 03 nozzle orifice or larger. Avoid overlapping of spray swath. Shut off boom while starting, turning or stopping to avoid overlapping. Apply in 20 to 60 gallons of water per acre on a broadcast basis at low pressure (20-50 psi).

### Soil Preparation:

A firm, fine, and level seedbed free of trash and vegetative matter will provide best results from preemergence applications. Large clods can reduce effectiveness of Nortron GS. All existing vegetative growth should be thoroughly worked into the soil before treatment.

\*Treat at or before 1-2 true leaf stage.

### DOSAGE TABLE

CROP	RATE PER ACRE	REMARKS
Perennial ryegrass and Tall fescue	1½ to 3 pts.	For effective control, annual bluegrass must be treated before the 4-leaf stage; rattail fescue and wild oats must be treated before the 2-leaf stage. Use the lower rate for control of annual bluegrass and common chickweed; use the higher rate for control of rattail fescue, wild oats, and other weeds listed.

### NEW SEEDINGS OF FALL PLANTED PERENNIAL RYEGRASS AND TALL FESCUE TREATED WITH DIURON PLUS CHARCOAL

Timing of application: Apply Nortron GS following crop emergence and after sufficient rainfall and/or overhead irrigation has occurred to dissipate the charcoal band (approximately 4 inches). Use dosage rates listed in the table above. Surface debris may result in reduced weed control. Failure to allow for complete dissipation of the charcoal band may result in reduced weed control within the crop row. For best results, apply Nortron GS to a moist soil surface. Before using diuron, read the diuron label for rate recommendations, timing of applications, directions for use and precautionary statements. Do not exceed maximum dosage rates for either herbicide.

### NEW SEEDINGS OF ANNUAL RYEGRASS

Before Weed Emergence: Apply Nortron GS after seeding and prior to weed emergence. For best results apply to moist soil. Apply 1½ to 3 pints per acre. Use the lower rate for control of annual bluegrass and common chickweed. For control of rattail fescue, wild oats and other weeds listed, use 2½ to 3 pints. After Weed Emergence: Apply Nortron GS at earliest possible weed growth stage but no later than the 4 leaf stage. Rattail fescue and wild oats which are more difficult to control must be treated no later than the 2 leaf stage. Apply 2½ to 3½ pints per acre. Use the higher rate where rattail fescue or wild oats are present and where weed infestation is heavy.

676

## ESTABLISHED STANDS OF PERENNIAL RYEGRASS AND TALL FESCUE

**Before Weed Emergence:** Apply Nortron GS at 2 1/4 to 3 pints per acre prior to weed emergence. Use higher rate where rattail fescue or wild oats are expected to be a problem. For best results, apply to moist soil. Crop residue and debris will reduce effectiveness of treatment and should be removed or destroyed.

**After Weed Emergence:** Apply Nortron GS at earliest possible weed growth stage but no later than the 4 leaf stage. Rattail fescue and wild oats which are more difficult to control, must be treated no later than the 2 leaf stage. Apply 2 1/4 to 3 pints per acre. Use the lower rate for control of annual bluegrass and common chickweed. For control of rattail fescue, wild oats, and other weeds listed, use the higher rate. Where weed pressure is very heavy and rattail fescue is at the maximum stage of growth for treating, a rate of 3 3/4 pints of Nortron GS is recommended.

## ESTABLISHED STANDS OF KENTUCKY BLUEGRASS, BENTGRASS AND ORCHARDGRASS

Apply only to well-established stands which have been seeded for not less than 12 months. Straw from previous crop must be removed or destroyed. Failure to do so may result in reduced weed control.

**Before Weed Emergence:** Apply Nortron GS at 1 1/2 to 3 pints per acre prior to weed emergence. Use higher rate where rattail fescue or wild oats are expected to be a problem. For best results, apply to moist soil.

**After Weed Emergence:** Apply Nortron GS at earliest possible weed growth stage but no later than the 4 leaf stage. Rattail fescue and wild oats which are more difficult to control must be treated no later than the 2 leaf stage. Apply at the rate of 1 1/2 to 3 pints per acre. Use the lower rate for control of annual bluegrass and common chickweed. For control of rattail fescue, wild oats or other weeds listed, use the higher rate. Do not apply more than 3 pints of Nortron GS per acre.

## GENERAL USE PRECAUTIONS

Nortron GS may cause stunting and stand reduction of newly seeded perennial ryegrass, if the crop is planted late in the fall and subjected to adverse climatic conditions or pesticides which restrict normal growth.

Do not graze treated crop with livestock.

Nortron GS should be used only for recommended purposes and at recommended rates.

(DO NOT OVERTREAT).

If vegetative matter or stover from previous crop was burned, sufficient rainfall or overhead irrigation must have occurred to dissipate the charcoal residue remaining after burning prior to Nortron GS treatment. Failure to allow for dissipation of charcoal residue may result in reduced weed control.

Do not rotate with any crops other than ryegrass for 12 months after application. Thorough tillage, including moldboard plowing, should precede the planting of crops other than ryegrass. Do not use Nortron GS on muck or peat soils.

If the crop is lost due to climatic or soil conditions following application of Nortron GS, do not plant crops other than ryegrass in Nortron GS treated land during the same season. Do not retreat field with Nortron GS.

Do not mix Nortron GS with liquid fertilizers.

Do not allow spray mixture to stand in tank overnight. Flush and drain spray equipment after each day's use. Store unused spray mixture in tightly sealed containers to protect from frost.

### IMPORTANT: READ BEFORE USE

By using this product, user or buyer accepts the following conditions, warranty, disclaimer of warranties and limitations of liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and should be followed carefully. However, because of extreme weather and soil conditions, manner of use and other factors beyond NOR-AM Chemical Company's control, it is impossible for NOR-AM to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OR MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WHICH EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of NOR-AM Chemical Company is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. UNDER NO CIRCUMSTANCES SHALL NOR-AM CHEMICAL COMPANY BE LIABLE FOR ANY SPECIAL, INDIRECT, OR CONSEQUENTIAL DAMAGES RESULTING FROM USE OR HANDLING OF THIS PRODUCT.

**LIMITATIONS OF LIABILITY:** THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES, OR DAMAGE RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT NOR-AM'S ELECTION, THE REPLACEMENT OF PRODUCT.

© NOR-AM Chemical Company, 1991