


Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 11-30-93

(A) 	United States Environmental Protection Agency Office of Pesticide Programs (H7E05C) Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number 161112
	Application for Pesticide:		

Section I

1. Company/Product Number 45639-60	2. EPA Product Manager J. I. Miller	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) NORTON® GS	PM# (23)	
5. Name and Address of Applicant (Include ZIP Code) NOR-AM Chemical Company Little Falls Centre One 2711 Centerville One Wilmington, DE 19808 <input checked="" type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section II

<input type="checkbox"/> Amendment - Explain below	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

NOTIFICATION: Compliance with PR Notice 93-3

NOTIFICATION
LABEL NOT REVIEWED
PER PR NOTICE 93-3

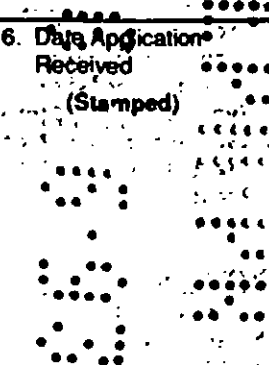
DATE 7/1/93

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Section III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
* Certification must be submitted.		If "Yes," Unit Package wgt.	No. per container	If "Yes," Package wgt.	No. per container
3. Location of Product Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) of Retail Container 2.1 gal.		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed To Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input checked="" type="checkbox"/> Other (Sleeve label with DFU attached)			

Section IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name Kenneth W. Chisholm		Title Registration Project Manager		Telephone No. (Include Area Code) (302) 892-3039	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.					
2. Signature <i>Kenneth Chisholm</i>		3. Title Registration Project Manager		6. Date Application Received (Stamped) 	
4. Typed Name Kenneth W. Chisholm		5. Date June 15, 1993			

SPECIMEN LABEL

NOTIFICATION
LABEL NOT REVIEWED
PER PM NOTICE 88-6

DATE. 7/1/93

Nortron® GS

FLOWABLE HERBICIDE

For Certain Grass Seed Crops in Western Oregon and Western Washington

ACTIVE INGREDIENT:

Ethofumesate: (2-ethoxy-2,3-dihydro-3,3-dimethyl-5-benzofuranyl methanesulfonate*)

Percent by Weight

INERT INGREDIENTS:

	42%
	58%
Total	100%

This product contains 4.0 lbs. Active Ingredient (Ethofumesate) per gallon.

EPA Reg. No. 45639-60

EPA Est. No. 1812-GA-03

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que el etiqueta haya sido explicado ampliamente.

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 Chemical Company
Little Falls Centre One
2711 Centerville Road
Wilmington, DE 19808

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* Protected by
U.S. Patent No. 3,580,517

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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. Rinse and wash contaminated clothing before reuse.

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 treated areas. 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.

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 *Poa annua*
Rattail fescue *Festuca myuros*
*Volunteer wheat *Triticum* spp.
Volunteer barley *Hordeum* spp.
Soft chess *Bromus mollis*
Wild oats *Avena fatua*
Downy brome *Bromus tectorum*
Common chickweed *Stellaria media*
Common vetch *Vicia sativa*
Common velvetgrass *Holcus lanatus*
Mannagrass *Glyceria* 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 2¼ 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 2¼ to 3¾ pints per acre. Use the higher rate where rattail fescue or wild oats are present and where weed infestation is heavy.

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ESTABLISHED STANDS OF PERENNIAL RYEGRASS AND TALL FESCUE

Before Weed Emergence: Apply Nortron GS at 2¼ 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 2¼ 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 3¾ 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 1½ 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 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 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, AS TO THE 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.

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A Schering Berlin Company

June 15, 1993

Attn: Ms. Joanne I. Miller, PM (23), RD
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Office of Pesticide Programs - H7505C
U. S. Environmental Protection Agency
Room 266A, Crystal Mall 2
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Arlington, VA 22202

NOR-AM Chemical Company

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2711 Centerville Road
Wilmington, DE 19808
Telephone: (302) 892-3000
Telefax: (302) 892-3013

Subject: **NORTRON® GS**, Herbicide - EPA Reg. No. 45639-60
PROGRASS® Flowable - EPA Reg. No. 45639-62
Notification of Compliance with PR NOTICE 93-3

Dear Ms. Miller:

NOR-AM Chemical Company hereby makes notification to the Agency of insertion of the newly revised water/wetlands statement and replacement of the previous statement in the Environmental Hazards section of the NORTRON GS and PROGRASS Flowable product labels. This action is to comply with the label changes required by PR NOTICE 93-3, and is in accordance with the notification procedure promulgated in PR NOTICE 88-6 and 40 CFR 152.46.

In support of this notification, I enclose for each product a completed EPA Form 8570-1 and one (1) copy of the revised labeling.

If you have any questions concerning this action, please contact me at this office, telephone (302) 892-3039.

Sincerely,

A handwritten signature in cursive script that reads "Kenneth Chisholm".

Kenneth W. Chisholm
Registration Project Manager

KWC:pmg
Enclosures
C:061593L1.KWC

HAND DELIVERED by KWC

