



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg.
Number:

45639-
161

Date of Issuance:

JUL 7 1994

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

Term of Issuance:

Conditional
EXPIRES: December 1,
1997

Name of Pesticide Product:

Ginstar EC

Name and Address of Registrant (include ZIP Code):

NOR-AM Chemical Company
Little Falls Centre One
2711 Centerville Road
Wilmington, DE 19808

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 conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit the confined rotational crop data (Guideline Series 165-1) using thidiazuron to change this registration to an unconditional FIFRA sec. 3(c)(5) registration. This data must be submitted no later than December 1, 1996. Likewise, confined rotational crop data using diuron must be submitted by the appropriate data submitters and be accepted by the Agency prior to the expiration date of this registration.

2. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

3. Make the following label changes before you release the product for shipment:

a. Revise the EPA Registration Number to read, "EPA Reg. No. 45639-161".

Signature of Approving Official:

Date:

JUL 7 1994

b. The Personal Protective Equipment (PPE) specified in the Precautionary Statements should included the following for applicators and other handlers as well as mixers and loaders:

- o Coveralls worn over long-sleeved shirt and long pants
- o Chemical-resistant gloves such as barrier laminate or butyl rubber gloves
- o Chemical-resistant footwear plus socks
- o Protective eyewear

c. Make the following changes in the Agricultural Use Requirements:

i. Change the restricted entry interval (REI) to 48 hours.

ii. Change the requirement of coveralls under the PPE for early reentry to read "Coveralls worn over long-sleeved shirt and long pants".

iii. Add the statement "Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas."

d. Add the restriction "Do not plant any other crop within one year of application of Ginstar EC" to the end of the plant-back restrictions present in the Use Precautions.

4. Submit two copies 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.

A stamped copy of the label is enclosed for your records.

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

Enclosure

DK/305-5611/FHB-PM23

CONCURRENCES

SYMBOL	7505C						
SURNAME	DR KENNY						
DATE	7/5/94						

SPECIMEN LABEL

ACCEPTED
with COMMENTS
In EPA Letter Dated

JUL 7 1994

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

45639-161

BEST AVAILABLE COPY

FOR AGRICULTURAL USE ONLY

Ginstar™

COTTON DEFOLIANT

**FOR USE ONLY IN AL, AR, AZ, CA, FL, GA, LA, MO, MS, NC,
NM, OK, SC, TN, TX, and VA**

ACTIVE INGREDIENTS:

Thidiazuron: N-phenyl-N'-1,2,3-thidiazol-5-ylurea

Diuron: 3-(3,4-dichlorophenyl)-1,1-dimethylurea

INERT INGREDIENTS:

Percent by Weight

12%

6%

82%

TOTAL

100%

Contains 1 lb. Thidiazuron per gallon and 0.5 lb. Diuron per gallon.

EPA Reg. No. 45639-RAR

EPA Est. No.

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 this label, find someone to explain it to you in detail.)

STATEMENT OF PRACTICAL TREATMENT

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

IF IN EYES: Hold eyelids open and immediately flush with a steady, gently stream of water for at least 15 minutes. Call a physician.

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

IF SWALLOWED: Do not induce vomiting. Drink promptly a large quantity of milk, egg white, gelatin solution, or, if these are not available, large quantities of water. Avoid alcohol. Call a physician immediately.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate use of gastric lavage.

SEE SIDE PANELS FOR ADDITIONAL PRECAUTIONARY STATEMENTS

AND DOMESTIC ANIMALS DANGER

Corrosive. Causes irreversible eye damage. Causes burns. Harmful if inhaled. Do not get in eyes, on skin, or on clothing. Avoid breathing dust or spray mist. Prolonged or frequently repeated skin-contact may cause allergic reactions in some individuals

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers (other than mixers and loaders) must wear:

- ☐ Long-sleeved shirt and long pants
- ☐ Chemical-resistant gloves, such as barrier laminate or butyl rubber gloves
- ☐ Shoes plus socks
- ☐ Protective eyewear

Mixers and loaders must wear:

- ☐ Long-sleeved shirt and long pants
- ☐ Chemical-resistance gloves such as barrier laminate or butyl rubber gloves
- ☐ Chemical-resistant footwear plus socks
- ☐ Protective eyewear

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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.

mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters. Do not apply when weather conditions favor drift from the target area.

STORAGE AND DISPOSAL

Storage: Store in original container and keep closed. Store in a cool, dry place. Do not use or store near heat or open flame. Do not contaminate food or foodstuffs.

Pesticide Disposal: Do not contaminate water, food, or feed by storage or disposal. Pesticide wastes are acutely 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 sanitary landfill, or by other procedures approved by state and local authorities.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

In case of spillage, cover with an absorbent such as soda ash, lime, clay, or sawdust. Sweep up and bury. Wash area thoroughly with detergent and water.

NOTICE TO DRUM HANDLERS: In case of fire, leaky or damaged containers, or other emergency, report at once by toll-free telephone to: 800-424-9300.

DO NOT REUSE EMPTY CONTAINER

GENERAL INFORMATION

GINSTAR™ EC is a defoliant to be evaluated as a pre-harvest aid for cotton. GINSTAR EC has performed well under both cool and warm weather conditions.

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.

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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 Workers Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 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 such as barrier laminate or butyl rubber gloves
- ☐ Chemical-resistant footwear plus socks
- ☐ Protective eyewear

Refer to any applicable supplemental labeling for important additional use directions. Supplemental labeling must be in the possession of the user at the time of application.

USE PRECAUTIONS

Do not apply this product through any type of irrigation system.

Do not allow spray drift to contact trees or crops other than cotton, as this product may injure or defoliate other crops.

Do not feed foliage from treated cotton plants or gin trash to livestock.

Do not plant the following crops earlier than the specified periods after the application of GINSTAR EC:

small grain, sorghum earlier than two (2) months
corn, or root crops
(except carrots, onions)

legumes (including earlier than two (2) months
alfalfa) or leafy
vegetables
(except lettuce)

carrots earlier than three (3) months

onions earlier than (4) months

lettuce earlier than two (2) months
and only with deep-plowing of
soil (12-15 inches); or earlier than
nine (9) months when soil is
only disced (4-6 inches)

Do not use immature crops for food or feed.

Particular care should be taken when applying GINSTAR EC adjacent to lettuce, citrus, or cantaloupe

Practices To Lower The Drift Potential In Areas Of Lettuce Production

During applications, particularly under windy conditions, GINSTAR EC may drift to non-target crops, e.g., lettuce

To help reduce the drift potential, use the following practices:

- ◆ Do not apply GINSTAR EC by air within one-half (1/2) mile of lettuce.
- ◆ Do not apply GINSTAR EC by ground equipment within 100 feet of lettuce.
- ◆ Do not apply GINSTAR EC by ground or air when wind speeds exceed ten (10) miles per hour at the time of application. Follow local recommendations if wind speeds of less than ten (10) miles per hour are specified in those recommendations.
- ◆ Use of low nozzle pressure (20-30 psi) is recommended.
- ◆ Do not apply GINSTAR EC when a temperature inversion is present or when conditions favor an inversion prior to completing application(s).

Practices To Lower The Drift Potential In The Rio Grande Valley of Texas

During applications, particularly under windy conditions, GINSTAR EC may drift to non-target crops, e.g., citrus. To help reduce the drift potential, use the following practices:

- ◆ Do not apply GINSTAR EC by air when citrus in flush is within five (5) miles downwind from the point of application.
- ◆ Do not apply GINSTAR EC by ground when citrus in flush is within one-half (1/2) mile downwind from the point of application.
- ◆ Do not apply GINSTAR EC by ground or air when wind speeds exceed ten (10) miles per hour at the time of application. Follow local recommendations if wind speeds of less than ten (10) miles per hour are specified in those recommendations.
- ◆ Use of low nozzle pressure (20-30 psi).
- ◆ Use the largest nozzle orifice possible which permits proper deposition and coverage of product.
- ◆ Do not apply GINSTAR EC when a temperature inversion is present or when conditions favor an inversion prior to completing application(s).

TIME OF APPLICATION: Apply GINSTAR EC cotton defoliant only to mature cotton plants when the last boll you expect to harvest is mature. A boll can be described as "mature" when it is too hard to be dented when squeezed between thumb and fingers, too hard to be sliced with a sharp knife, and/or when the seed coat becomes light brown in color.

Apply GINSTAR EC at least 5 days prior to anticipated harvest.

APPLICATION: GINSTAR EC may be applied by air or ground equipment. Apply specified dosages in 10-25 gallons of spray per acre with ground equipment or 2-10 gallons per acre by aircraft.

DOSAGE: Apply GINSTAR EC at a rate of 0.4 to 1.0 pints of formulated product per acre prior to harvest (see dosage chart below). At some locations, following the initial GINSTAR EC application, it may be necessary to apply a standard defoliant or a second, low rate of GINSTAR EC.

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To Achieve an Application Rate of:	Use This Amount of GINSTAR	At the Indicated Rate, One Gallon of GINSTAR Will Treat:
0.075 lbs. ai/Acre	0.4 pts./A (6.4 oz./A)	20 Acres
0.10 lbs. ai/Acre	0.55 pts./A (8.8 oz./A)	15 Acres
0.15 lbs. ai/Acre	0.8 pts./A (12.8 oz./A)	10 Acres
0.1875 lbs. ai/Acre	1.0 pts./A (16.0 oz./A)	8 Acres

DO NOT APPLY MORE THAN 1.0 PINTS OF GINSTAR EC PER ACRE PER SEASON.

CLEAN OUT INSTRUCTIONS

Do not allow the spray solution to dry in the application equipment. Immediately following application, clean all equipment (mix tanks, pumps, transfer lines, application tanks, sumps, booms, nozzles, and all related equipment) thoroughly with water.

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, OF 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. NOR-AM disclaims any liability whatsoever for incidental or consequential damages, including, but not limited to, liability arising out of breach of contract, express or implied warranty (including warranties of merchantability and fitness for a particular purpose), tort, negligence, strict liability or otherwise.

LIMITATIONS OF LIABILITY: THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES 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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