

79676-78

5-6-2008

1/8



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:

Date of Issuance:

79676-78

6 MAY 2008

Term of Issuance:

conditional

Name of Pesticide Product:

ETI 105 01 G

NOTICE OF PESTICIDE:

- x Registration
Reregistration
(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Etigra
501 Cascade Pointe Lane, Suite 103
Cary, NC 27513

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 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. Submit the data listed below:
a. Within one year of the date on this registration notice, submit Storage Stability (830.6317) and Corrosion Characteristics (830.6320) studies.
3. Make the following label changes:
a. Under First Aid, the "If in Eyes" first aid statement must go first, followed by the "If on skin or clothing" statement.
b. Revise the EPA Registration Number to read, "EPA Reg. No. 79676-78."

Signature of Approving Official:

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

Handwritten signature of Joanne I. Miller

Date:

6 MAY 2008

page 2

EPA Reg. No. 79676-78

Submit one copy of the revised final printed label for the record.

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.

3/8

ACCEPTED
with COMMENTS
In EPA Letter Dated:
6 MAY 2008

ETI 105 01 G

COTTON DEFOLIANT

FOR AGRICULTURAL USE ONLY

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

ACTIVE INGREDIENTS:

Thidiazuron: N-phenyl-N'-1,2,3-thidiazol-5-ylurea.....12.0%

Diuron: 3-(3,4-dichlorophenyl)-1,1-dimethylurea.....3.0%

OTHER INGREDIENTS:.....82.0%

TOTAL:.....100.0%

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

KEEP OUT OF REACH OF CHILDREN

ANGER - 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.)

FIRST AID	
If on skin or clothing:	<ul style="list-style-type: none"> Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
If in eyes:	<ul style="list-style-type: none"> 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:	<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.
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.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.	
NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

Causes irreversible eye damage. Causes skin irritation. Harmful if inhaled, or absorbed through skin. Avoid contact with eyes, skin, clothing, and avoid breathing spray mist. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

EPA Reg. No. 79676-

EPA Est. No.

Manufactured for:
Etigra®
501 Cascade Pointe Lane, Suite 103
Cary, NC 27513
www.etigra.com

ETI 105 01 G contains thidiazuron and diuron,
the active ingredients used in Ginstar®.

Net Contents:

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are made of polyethylene or polyvinyl chloride. If you want more options follow the instructions for Category A on an EPA chemical-resistance category selection chart.

All pilots and flaggers must wear: Long-sleeved shirt and long pants and shoes plus socks.

In addition to the above, **groundboom applicators** must wear chemical-resistant gloves.

All mixers, loaders, applicators, and other handlers must wear: Long-sleeved shirt and long pants, shoes plus socks, chemical-resistant gloves, a NIOSH approved particulate filtering respirator equipped with N, R, or P class filter media. The respirator should have a NIOSH approval number prefix TC-84A. It is recommended that you require the respirator wearer be fit tested, and trained in the use, maintenance, and limitations of the respirator. And a chemical-resistant apron when mixing, loading, or cleaning equipment or spills. See engineering controls for additional requirements.

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 exist, 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.

Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (6)]. Flaggers supporting aerial applications must use an enclosed cab that meets the definition in the Worker Protection Standard for Agricultural Pesticides [40 CFR 170.240 (d) (5)] for dermal protection. In addition, flaggers must wear long-sleeved shirt, long pants, shoes and socks.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands 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.

ENVIRONMENTAL HAZARDS

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 contaminate water by cleaning of equipment or disposal of equipment washwaters. Do not apply when weather conditions favor drift from the target area. Apply this product only as specified on this label.

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.

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

GENERAL INFORMATION

ETI 105 01 G is used as a defoliant to aid in preparing cotton for harvest and can be used effectively under warm and cool weather conditions.

DRIFT REDUCTION PRACTICES

To reduce the potential for drift to non-target crops or foliage during applications, especially under windy conditions, follow these recommended practices:

- Do not apply ETI 105 01 G by ground or air when wind speeds exceed ten (10) miles per hour at the time of application.
- Use nozzle pressures of between 20 and 30 psi.
- Do not apply ETI 105 01 G when a temperature inversion is present or when conditions favor an inversion before application is completed.
- Use the largest nozzle orifice possible that will deliver the proper deposition and coverage of product.

REQUIREMENTS FOR REDUCING SPRAY DRIFT FOR DIURON GROUND AND AERIAL APPLICATIONS:

Use best practices to avoid drift to all other crops and non-target areas. Do not apply when conditions favor drift from target areas. The interaction of many equipment and weather related factors determine the potential for spray drift. Avoiding spray drift at the application site is the responsibility of the applicator. The applicator must follow the most restrictive precautions to avoid drift, including those found in this labeling as well as applicable state and local regulations and ordinances.

A drift control agent may reduce drift, however, it may also decrease weed control. Make aerial or ground applications only when the wind speed is less than or equal to 10 miles per hour. Do not make aerial or ground applications into temperature inversions. Apply with medium or coarser spray (according to ASAE standard 572) for standard nozzles. Additional requirements for ground applications: When applying to crops, apply with nozzle height no more than 2 feet above the ground or crop canopy.

Additional requirements for aerial applications: The spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The boom length must not exceed 75% of the wingspan or 90% of rotor blade diameter. Use upwind swath displacement. When applying to crops, do not release spray at a height greater than 6 to 10 feet above the ground or crop canopy. Do not apply by air if sensitive nontarget crops are within 100 feet of the application site.

DIRECTIONS FOR MIXING

Do not prepare more spray solution than required for one day's use. To prepare a spray solution of ETI 105 01 G, follow these instructions:

- Fill the spray tank ½ full with clean water. Agitate the water and continue agitation through the mixing operation.
- Add ETI 105 01 G to the tank followed by the remaining amount of water.
- Maintain agitation of the spray solution during application.

DIRECTIONS FOR CLEANING OF EQUIPMENT

Immediately after an application of ETI 105 01 G, clean all mixing and spray equipment with a cleaner and water. After spraying is completed at the end of the day, rinse the interior of the tank with fresh water. Partially refill the tank with fresh water and flush the boom and hoses. These rinses will prevent deposits of dried pesticide residues that can remain in the application equipment.

Residues of ETI 105 01 G that remain in the spray equipment may injure desirable crops if the equipment is used later to make applications to crops other than cotton. Etigra accepts no liability for damage to crops due to inadequately cleaned equipment.

EQUIPMENT CLEANING: This product is very acidic and can damage acrylic plastics, certain paints, and metals after prolonged exposure. Therefore, ensure that any exposed acrylic plastic-type materials (e.g., aircraft windshields) are washed thoroughly with soap and water within 1 hour of exposure to the spray droplets. When the application is completed, all metal parts of the aircraft and other spray equipment which were exposed to the spray solution should be washed thoroughly with soap and water.

ADJUVANTS

Etigra does not recommend adding adjuvants to spray mixtures. Desiccation and/or leaf freezing during periods of high temperature may occur. Etigra also does not recommend using other compounds that will desiccate leaf tissue.

USE DIRECTIONS

Refer to the table below for use rates and directions for application.

ETI 105 01 G USE RATES AND APPLICAITON DIRECTIONS

ETI 105 01 G oz. per Acre (lb. AI/A)	No. Acres treated by 1 gal of ETI 105 01 G	Additional Instructions
6.4 oz./A (0.075 lb AI/A)	20 Acres	How to Apply: Apply ETI 105 01 G using air or ground equipment. Use desired rate in 10-25 gallons of spray per acre by ground or 2-10 gallons per acre by air.
8.8 oz./A (0.10 lb AI/A)	15 Acres	When to Apply: Apply ETI 105 01 G before harvest at a rate of 6.4 to 16.0 ounces of ETI 105 01 G per acre. After this application, an application of a cotton defoliant may be required, or a second application of ETI 105 01 G required may be made, but do not exceed more than 16 pounces (1 pint) ETI 105 01 G per Acre per season.
12.8 oz./A (0.15 lb AI/A)	10 Acres	Time application to occur when cotton plants are mature and when the last bolls have matured. Mature bolls are determined by squeezing the boll between thumb and finger: if the boll cannot be dented then it is mature. Other signs of boll maturity include when the boll is too hard to be sliced with a sharp knife, and when the seed coat has changed color to light brown.
16.0 oz./A (0.1875 lb AI/A)	8 Acres	Preharvest Interval: Do not harvest cotton seed less than 5 days after the last application.
4 – 6 oz./A (0.047 - 0.07 lb AI/A) (CA ONLY)	32 – 21.3 Acres	For Use In California Only When to Apply: Apply 7 to 10 days before a defoliant application of ETI 105 01 G or before application of a different defoliant. ETI 105 01 G will act as a preconditioner and will enhance the activity of the defoliant. How to Apply: Apply ETI 105 01 G using air or ground equipment. Use the desired rate in 10-25 gallons of spray per acre by ground or 2-10 gallons per acre by air.

PRECAUTIONS AND RESTRICTIONS

Drift from spraying ETI 105 01 G may reach desirable trees or crops other than the target crop of mature cotton, or cotton you desire to defoliate and cause injury or defoliation of the non-target crops. Use extreme caution if ETI 105 01 G is applied to adjacent fields of lettuce, citrus, or cantaloupe.

A reduction in the desired amount of defoliation and/or in the inhibition of plant growth may be observed when ETI 105 01 G is applied under extremely cool or adverse conditions.

Reduced effectiveness of ETI 105 01 G may be observed should a rain event occur within 12 hours of application.

Do not apply more than 16 oz. (1 pint) of ETI 105 01 G per acre per season.

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

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

Do not use immature crops for food or feed.

ROTATION CROP RESTRICTIONS

Refer to the following table for the amount of time which must elapse before planting crops in fields previously treated with ETI 105 01 G. **Cover crops:** If small grains are planted earlier than 2 months after an ETI 105 01 G application or small grains are planted between the cotton plant rows which were treated with ETI 105 01 G, then these crops can only be used as cover crops. Do not harvest the grain crops for food or feed.

Plantback Crop(s)	Rotation Crop Interval - Days (Months)
Corn Small grains Sorghum	30 days (1 month)
Cole Crops Garlic Legumes (including alfalfa) Leafy Vegetables (except lettuce) Root crops (except carrots and onions) Safflower Tomatoes Watermelon	60 days (2 months)
Lettuce	60 days (2 months) OR 270 days (9 months) (see footnote)
Carrots	90 days (3 months)
Onions	120 days (4 months)
Cantaloupe, Honeydew melon/casaba melon, and Muskmelon Peppers	180 days (5 months)
All other crops	365 days (12 months)
Only rotate to lettuce 60 days after an application of ETI 105 01 G if the soil is deep-plowed (to 12-15 inches). Otherwise, plant lettuce 270 days after the ETI 105 01 G application if the soil is disced to 4-6 inches.	

Use of this product in certain portions of California, Oregon, and Washington is subject to the January 22, 2004 Order for Injunctive relief in Washington Toxics Coalition, et. al. v. EP. C01-0132C, (W.D. WA). For further information, please refer to <http://www.epa.gov/espp/wtc/>.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store product in original container only and keep closed. Store in a cool, dry place. Do not use or store near heat or open flame.

PESTICIDE 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: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water and recap. 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.

DO NOT REUSE EMPTY CONTAINER

CONDITION OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Etigra or Seller. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Etigra and Seller harmless for any claims relating to such factors.

Etigra warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with the Directions for Use. This warranty does not extend to the use of this product contrary to label instructions, or under conditions not reasonably foreseeable to or beyond the control of Seller or Etigra, and Buyer and User assume the risk of any such use. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ETIGRA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.**

To the extent consistent with applicable law, neither Etigra nor Seller shall be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF ETIGRA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF ETIGRA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

Etigra and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of Etigra.

ETI 105 01 G is not manufactured or distributed by Bayer CropScience, seller of Ginstar®.

Ginstar® is a trademark of Bayer.
Etigra® is a trademark of Etigra.

EPA [approval date]