

79676-47

02/08/2007

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505P)
1200 Pennsylvania Ave., NW
Washington, D.C. 20460

EPA Reg.

Number:

79676-47

Date of Issuance:

FEB 8 2007

NOTICE OF PESTICIDE:

☒ Registration
☐ Reregistration
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

ETI 108 07 H Turf
Herbicide

Name and Address of Registrant (include ZIP Code):

Etigra
c/o Pyxis Regulatory Consulting
4110 136th St. N.W.
Gig Harbor, WA 98332

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 of your product when the Agency requires all registrants of similar products to submit data.
2. Add the phrase "EPA Registration No. 79676-47" to your label before you release the product for shipment.

Signature of Approving Official:

Date:

FEB 8 2007

3. Submit one (1) copy of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

4. Submit the results of one year storage stability and corrosion characteristic studies to EPA within one year of this date of registration. Submit a hard copy and an electronic copy also.

5. Prior to formulation of this product, submit to this office the following information:

- a. Registration number and establishment number of the product for which your product is derived,
- b. The name and address of the entity from which the product was obtained, and
- c. A copy of the bill of sale

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 constitutes acceptance of these conditions.

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

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

ETI 108 07 H
Turf Herbicide

For control or suppression of listed annual grasses and broadleaf weeds and season-long control of crabgrass in established lawns and ornamental turf, including golf course fairways, roughs, and tee boxes.

In the state of New York, this product may be applied only by professional applicators at no more than 8.8 lbs. per 1,000 sq. ft per year (0.5 lb. of active ingredient per acre per year). Use of this product in Nassau and Suffolk counties of New York is prohibited.

ACTIVE INGREDIENT:

Dithiopyr: 3,5-pyridinedicarbothioic acid, 2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-S,S-dimethyl ester.....	0.13%
OTHER INGREDIENTS:	99.87%
TOTAL:	100.00%

This product contains 0.065 pound of the active ingredient dithiopyr per 50 pound bag.

KEEP OUT OF REACH OF CHILDREN
CAUTION

FIRST AID	
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.
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.	

See back panel for additional precautionary statements.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION

Causes eye irritation. Harmful if inhaled. Avoid contact with eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Prolonged or frequently repeated skin contact while handling this product may cause allergic reaction in some individuals.

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

ACCEPTED
with COMMENTS
In EPA Letter Dated:
FEB 8 2007
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No

EPA Reg. No. 79676-UT

EPA Est. No.

79676-47
Net Weight:

ENVIRONMENTAL HAZARDS

This product is toxic to fish and highly toxic to other aquatic organisms including oysters and shrimp. Use with care when applying to turf areas adjacent to any body of water. Drift and runoff from treated turf may adversely affect aquatic organisms in adjacent aquatic sites. 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.

DIRECTIONS FOR USE

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

NOT FOR USE ON TURF BEING GROWN FOR SALE OR OTHER COMMERCIAL USE SUCH AS SOD, OR FOR COMMERCIAL SEED PRODUCTION, OR FOR RESEARCH PURPOSES.

Use Directions and Precautions

ETI 108 07 H contains the active ingredient dithiopyr. The following sites may be treated with ETI 108 07 H for season-long control of crabgrass and control or suppression of other listed annual grasses and broadleaf weeds:

- established lawns and ornamental turfs
- golf course fairways, roughs and tee boxes

Established ornamentals located near where turf applications are made will not be injured when ETI 108 07 H is applied according to the directions in this label.

USE PRECAUTIONS

Turf Uses

The first application of ETI 108 07 H should be made to seeded, sodded, or sprigged lawns and ornamental turfs that are well-established (defined as turfgrass with a well-developed and vigorous root system, with a uniform stand, and which have received a minimum of two mowings after the seeding, sodding, or sprigging). Chances of injury increase if ETI 108 07 H is applied to turfgrasses that are not well-established, or are weakened by stress from disease, pests, weather, chemical or mechanical treatments.

- Do not use clipping from treated turf for mulching around vegetables or fruit trees.
- Do not allow people or pets to enter treated area until dust has settled.

Reseeding, Overseeding or Sprigging

- To ensure establishment of desirable turfgrasses, do not reseed, overseed, or sprig areas treated with ETI 108 07 H within 12 weeks after application of this product.
- If overseeding with perennial ryegrass is to be done in the fall, wait 8 weeks or more after a single application of ETI 08 07 H.
- Use established cultural practices for seedbed preparation, seeding, irrigation and fertilization when reseeding or overseeding.
- Mechanical or power seeding equipment such as slit seeders which provide good contact between soil and seed are recommended for best overseeding results.

Controlling Crabgrass

ETI 108 07 H provides limited early postemergence weed control of crabgrass. Postemergence applications may be made but to effectively control crabgrass, apply ETI 108 07 H prior to the display of

the 5th leaf or first tiller. For best results, cultural practices that disturb the soil (e.g., core-, spike-, or hydro-aerification, and verticutting) should be done before application of ETI 108 07 H. DO NOT apply ETI 108 07 H until after these activities are completed and the grass has recovered from any injury caused by these activities.

Turfgrass Tolerance

Due to the large number of species and cultivars, it is impossible to test all turfgrass varieties for tolerance to ETI 108 07 H. Before application on large-scale areas, the user should determine if ETI 108 07 H can be used safely on turfgrass varieties not listed on this label by testing on a small area using the recommended application rates.

Apply ETI 108 07 H as directed only to the tolerant turfgrass species listed below.

Tolerant Turfgrass Species

Cool-Season Grasses

Bentgrass, creeping* (*Agrostis palustris*)
 Bluegrass, Kentucky (*Poa pratensis*)
 Fescue, fine** (*Festuca rubra*)
 Fescue, tall (*Festuca arundinacea*)
 Ryegrass, perennial (*Lolium perenne*)

Warm-Season Grasses

Bahiagrass (*Paspalum notatum*)
 Bermudagrass (*Cynodon dactylon*)
 Buffalograss*** (*Buchloe dactyloides*)
 Carpetgrass (*Axonopus affinis*)
 Centipedegrass (*Eremochloa ophiuroides*)
 Kikuyugrass (*Pennisetum clandestinum*)
 St. Augustinegrass (*Stenotaphrum secundatum*)
 Zoysiagrass (*Zoysia japonica*)

* Although not all varieties of creeping bentgrass have been tested, use of ETI 108 07 H on certain varieties of creeping bentgrass (Cohansey, Carmen, Seaside and Washington) may result in undesirable turfgrass injury. Do not apply this product to Colonial bentgrass (*Agrostis tenuis*).

** While not all varieties of fine fescue have been tested, some varieties of fine fescue (i.e., Atlanta, Banner, Beauty, Bilgart, CF-2, Enjoy, HF-93, Highlight, Ivalo, Jamestown, Koket, Majenta, Mary, Pennlawn, Tamara, Tatjana, Waldorf, and Waldina) may result in undesirable turf injury as a result of applications of ETI 108 07 H.

*** For seedling Buffalograss, do not apply ETI 108 07 H in the spring of the first year of turf establishment; apply ETI 108 07 H only when the turfgrass has established new roots and is fully green.

Application Directions for Crabgrass Control

Tips to Improve Weed Control

- For best results, wait a few days after mowing before applying ETI 108 07 H and delay the next mowing for a few days after the application.
- For improved weed control, water areas treated with ETI 108 07 H within a few days after application, or delay application until significant rainfall is expected.
- To improve weed control, make two split (half-rate) applications at 6 to 8 weeks apart.

Preemergence and Early Postemergence Crabgrass Control

- When applied before germination and emergence of crabgrass, ETI 108 07 H provides *preemergence* control of crabgrass (including the large, smooth, and Southern species) in established lawns and ornamental turf.
- *Early postemergence* control of crabgrass can be achieved if ETI 108 07 H is applied before the 3-leaf stage of growth or first tiller which corresponds to the time when crabgrass seedlings are first

visible in the established turfgrass. This postemergence crabgrass control provides a 2-4 week longer window of application during which crabgrass control can be achieved.

Application Frequency and Timing

ETI 108 07 H may be applied as a single application, or as a split application, for crabgrass control in the spring, summer, or fall as described in the table *Spring Application Programs for Crabgrass Control in Turf*.

Spring Applications to Turf

For spring or early summer applications, select an application rate from one of the two programs listed in the *Spring Application Programs for Crabgrass Control in Turf* table below. The rate recommendations vary from region to region and depend on other factors such as the mowing height of the turfgrass and the application timing (*preemergence* or *early postemergence*). ETI 108 07 H provides residual weed control which is directly related to the application rate. However, other factors (weather, weed pressure, turfgrass competitiveness, and the location of the treatment area within a region) impact the duration of weed control.

Program 1: Select this program for *preemergence* control of crabgrass at sites where turfgrass is cut relatively high (e.g., homeowner lawns). Control of *preemergence* crabgrass lasts 3-5 months. Do not select this program *postemergence* control of crabgrass,

Program 2: Select this program for *preemergence* control at sites where (a) turfgrass is cut relatively low (e.g., golf fairways), and when (b) turfgrass maintenance or weed control has not been conducted during the previous year. *Preemergence* crabgrass control is achieved for 4-6 months. Select this program for *early postemergence* control of crabgrass.

Split Application: Two *preemergence* applications may be made to control crabgrass at 6-10 weeks apart. Use the rates specified in the table *Spring Application Programs for Crabgrass Control in Turf*.

Fall Applications to Turf

ETI 108 07 H can also be applied in the late summer through early fall (late August through November) to provide control of crabgrass through the summer. Select the rates listed in the *Fall Application Programs for Crabgrass Control in Turf* table. For season-long control of crabgrass, this fall application may be followed by a sequential application of ETI 108 07 H the following spring.

Spring Application Programs for Crabgrass Control in Turf §

		Application Rates for Different Regions Lbs. ETI 108 07 H per 1,000 Sq. Ft.			
		Northern Region ¹	Transition Region ²	Southern Region ³	Coastal Southern Region ⁴
Program 1	Preemergence and High turfgrass cut	2.2	3.2	4.4	6.4
Program 2	Preemergence and Low turfgrass cut OR Postemergence §§	4.4	6.4	8.8	8.8 §§§

Fall Application Program for Crabgrass Control in Turf §

		Application Rates for Different Regions Lbs. ETI 108 07 H per 1,000 Sq. Ft.			
		Northern Region ¹	Transition Region ²	Southern Region ³	Coastal Southern Region ⁴
Preemergence		6.4	8.8 §	8.8 §	8.8 §

1 Includes all states not listed in other regions. In the state of New York, this product may be applied only by Professional Applicators at no more than 8.8 lb per 1000 sq ft. (0.5 lb active ingredient per acre) per year. Use of this product in Nassau and Suffolk counties of New York is prohibited.

2 Includes DE, KS, KY, MD, MO, NJ, VA, Southeastern PA, Southern areas of IL, IN, OH, and Coastal areas of CT, NY and RI.

3 Includes AL, AR, AZ, CA, GA, LA, MS, NC, NM, NV, OK, SC, TN, and TX.

4 Include HI, FL, and Southern coastal areas of AL, GA, LA, MS, NC, SC, and TX.

§ DO NOT apply more than 8.8 lbs ETI 108 07 H per 1,000 sq. ft. per application and no more than 26.4 lbs. ETI 108 07 H per 1,000 sq. ft. per year.

§§ Postemergence control may be limited. See section above "Controlling Crabgrass"

§§§ For full control, split applications may be required.

Control of Other Weeds

Spring Applications: The following weeds are controlled or suppressed by ETI 108 07 H when applied *preemergence* (before germination) for control of crabgrass in the spring. Use the application rates noted in the *Spring Application Program for Crabgrass Control in Turf* table above.

Grasses and Broadleaf Weeds

Barnyardgrass

Bluegrass, annual, roughstalk

Crowfootgrass

Foxtail, green and yellow §

Goosegrass

Kikuyugrass

Lespedeza, common

Oxalis, buttercup, creeping and yellow woodsorrel
 Purslane, common
 Ryegrass, annual and perennial
 Smutgrass (*Sporobolus indicus*)
 Speedwell, corn
 Spurge, prostrate and spotted

§ Also controlled at rates noted in Program 2

Fall Applications: The following weeds are controlled or suppressed when ETI 108 07 H is applied *preemergence* (before germination) to control crabgrass in the late summer through early fall (late August through November). This application timing also provides preemergence control of crabgrass in the following spring. Use the application rates noted in the *Fall Application Program for Crabgrass Control in Turf* table above.

Bluegrass, annual, roughstalk
 Bittercress
 Chickweed
 Henbit
 Geranium, Carolina
 Parsley-piert
 Pineappleweed
 Shepherdspurse

Application Instructions and Equipment

Apply ET 108 07 H with drop or rotary-type spreaders designed to apply granular herbicides but avoid the use of spreaders that tend to apply granules in narrow rows or concentrated bands. Follow the manufacturer's directions to calibrate the spreader and check equipment often to verify calibration and to ensure proper dispersion and distribution of the granules. Adjust the spreader settings to ensure delivery of the recommended application rate under actual application conditions. Apply this product uniformly over the treatment area and avoid streaking, skips, or overlaps during application. To improve uniform coverage, apply one-half of the required amount of ETI 108 07 H over the treated area and then apply the remaining one-half of product by walking in a different direction (such as at a right angle to the first direction)

[Optional Text] Recommended Spreader Settings

Use the following chart as a guide for establishing an accurate application rate of ETI 108 07 H. Rates will vary depending on speed, equipment wear and condition of spreader. Calibrate application equipment according to the manufacturer's directions prior to use and check frequently to be sure the equipment is working properly and distributing ETI 108 07 H uniformly and accurately.

Insert additional or alternate list of application spreaders and settings based on carrier used. (This note will not appear on the final printed label).

STORAGE AND DISPOSAL

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

Storage: Store this product only in its original container in a dry, cool, secured storage area.

Disposal: Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, state or local procedures.

Empty Container Disposal: Do not reuse empty bag. Dispose of empty bag in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Spill: In case of spill, sweep up material and dispose of material according to "Disposal" directions provided above.

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 should 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. 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 directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions 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. 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 allowed by 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. **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 108 07 H is not manufactured or distributed by Dow AgroSciences LLC, seller of Dimension®.

Dimension® is a trademark of Dow AgroSciences LLC.

Etigra™ is a trademark of Etigra.

[Optional Text]: Guaranteed Fertilizer Analysis: XX-XX-XX*

Water-Insoluble Nitrogen.....	XX%
Total Nitrogen (N).....	XX%
Ammoniacal Nitrogen	XX%

10/10

Urea Nitrogen	XX%
Available Phosphoric Acid (P_2O_5).....	XX%
Soluble Potash (K_2O)	XX%
Calcium (Ca).....	XX%
Magnesium (Mg).....	XX%
Copper (Cu).....	XX%
Iron (Fe).....	XX%
Manganese (Mn)	XX%
Zinc (Zn)	XX%

*This product may be formulated with one or more of the following fertilizer materials: urea, methylene urea, sulfur coated urea, ammoniated phosphates, sulfate of potash, muriate of potash, copper oxide, iron oxide, manganese oxide, zinc oxide or limestone.