



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
9198-224

Date of Issuance:
APR 12 2005

Term of Issuance: **Conditional**

Name of Pesticide Product:
**The Andersons GC 0.15%
Granular Bifenthrin Insecticide**

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

**The Andersons Lawn Fert. Div. Inc.
d/b/a Free Flow Fert.
PO Box 119
Maumee, OH 43537**

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 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 you product under FIFRA section 4.
2. **Make the following labeling changes:**
 - a) Revise the EPA Registration Number to read "EPA Reg. No. 9198-224"
 - b) The acute toxicity profile for "The Andersons GC 0.15% Granular Bifenthrin Insecticide" is as follows:

| | |
|---------------------------|-----|
| Acute oral toxicity | III |
| Acute dermal toxicity | IV |
| Acute inhalation toxicity | IV |
| Primary eye irritation | III |
| Primary skin irritation | IV |
| Dermal sensitization | Neg |

Signature of Approving Official:

De'Oranda Alexander for
George T. LaRocca, Product Manager (13), IB/RD (7505C)

Date:

APR 12 2005

Based on the above toxicity profile please revise the Precautionary Statements as follows:

“Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.”

Note: Also, based on the acute toxicity for dermal and inhalation (toxicity category IV), you are not required to have an “*If on skin*” nor “*If inhaled*” first aid statement. You may delete the statements if you wish.

- c) On the front panel delete, “Only for sale to, use and storage by commercial applicators” from the second paragraph since it conflicts with the Restricted Use paragraph. The paragraph can begin with, “For use to control xxxxx etc.”.
 - d) Add “or in Sod Farms in Arizona” to the end of the front panel restriction in New York.
3. Submit an one year storage stability study for the proposed product under warehouse conditions along with a corrosion characteristics study. We recommended that observation be made at 0, 3, 6, 9 and 12 months intervals in the storage stability study.
 4. Please submit two (2) copies of your final printed label for before your release the product for shipment. Please refer to the A-79 enclosure for a further description of final printed labeling. 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 bearing amended labeling constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

If you have any questions regarding this action, please contact BeWanda Alexander of my team at (703) 305-7460.

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Front Panel (for Internal use only, will not appear on final label)

The Andersons GC 0.15% Granular Bifenthrin Insecticide

RESTRICTED USE PESTICIDE
Toxic to Fish and Aquatic Organisms
For retail sale to and use only by certified applicators, or persons under direct supervision and only for those uses covered by the certified applicator's certification.

Only for sale to, use, and storage by commercial applicators for use to control Ants (including Imported Fire Ants), mole crickets and other insect pests on lawns in landscaped areas and perimeters around residential, institutional, public, commercial and industrial buildings, parks, recreational areas, golf courses, sod farms and athletic fields.

Optional front panel claims:

- Ideal for Adult Mole Crickets

| | |
|--------------------------------|---------------|
| Active Ingredients | |
| Bifenthrin [†] *..... | 0.15% |
| Other Ingredients | <u>99.85%</u> |
| Total | 100.00% |

*Cis isomers 97% minimum, trans isomers 3% maximum
 US Patent No. 4,238,505
[†]CAS No. 82657-04-6

**ACCEPTED
with COMMENTS
In EPA Letter Dated
APR 12 2005**
 Under the Federal Insecticide,
 Fungicide, and Rodenticide Act,
 as amended, for the pesticide
 registered under EPA Reg. No.
9198-224

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

DO NOT USE THIS PRODUCT ON GOLF COURSES AND SOD FARMS IN NASSAU COUNTY OR SUFFOLK COUNTY, NEW YORK.

Net Weight XX lbs. (XX kg)
Covers Up To XX,XXX Sq. Ft.

EPA Reg. No. 9198-XXX
EPA Est. 9198-OH-1M, 9198-OH-2B, 9198-AL-001A
Underlined letter is first letter used in run code on bag

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Back Panel (for internal use only, will not appear on final label)

The Andersons GC 0.15% Granular Bifenthrin Insecticide

Net Weight XX lbs. (XX kg)
Covers XX,XXX Sq. Ft.

| FIRST AID | |
|--|---|
| If swallowed | <ul style="list-style-type: none"> • Call a poison control center or doctor for treatment advice • Have person sip a glass of water if able to swallow • Do not induce vomiting unless told to by a poison control center or doctor • Do not give anything by mouth to an unconscious person. |
| 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 contacts, if present, after the first 5 minutes, then continue rinsing • 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 mouth-to mouth if possible • Call a poison control center or doctor for treatment advice |
| Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-757-8951 for emergency medical treatment information. | |
| Note to Physician: | |
| This product is a pyrethroid. If large amounts have been ingested, milk cream and other digestible fats and oils may increase absorption and so should be avoided. | |

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if absorbed through the skin. Avoid contact with skin, eyes or clothing.

The following Personal Protective Equipment requirements apply to sod farm use only

Personal Protective Equipment (PPE):

Applicators and other handlers must wear:

- Long sleeved shirt and long pants
- Waterproof gloves
- Shoes and 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.

| |
|--|
| <p>User Safety Recommendations Users should:</p> <ul style="list-style-type: none"> • 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

This pesticide is extremely toxic to fish and aquatic invertebrates. 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. Drift and run-off from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when cleaning equipment or when disposing of equipment washwaters.

READ ALL DIRECTIONS PRIOR TO APPLICATION OF THE PRODUCT

DIRECTIONS FOR USE

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

In New York State, the product may NOT be applied to any grass or turf areas within 100 feet of a water body (lake, pond, river, stream, wetland or drainage ditch). In New York State, do make a single repeat application of this product if there are signs of renewed insect activity, but not sooner than two weeks after the first application. Do not apply more than 0.2 lbs. active ingredient (133 lbs. of this product) per acre per year.

Do not apply by air.

Do not apply more than 0.4 lbs. AI (266 lbs. of this product) per acre per year.

Do not apply within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries and commercial fish farm ponds.

Not for use on nurseries, commercial greenhouses or grass grown for seed.

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 Workers 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 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

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Back Panel (for Internal use only, will not appear on final label)

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to use of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The Worker Protection Standard applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

If watering-in of the granules is necessary, do not allow people or pets on treated areas until the grass or soil is dry. Do not touch treated surface until dry.

Application Directions

Treat when insects first appear. Apply this product at the rate indicated evenly over the turfgrass area using a properly calibrated drop or rotary spreader. Check frequently to make sure the equipment is working properly and the granules are being evenly distributed. Best results will occur if the treated area is thoroughly irrigated with water immediately after application.

Do not apply more than 3.0 lbs. of product per 1,000 sq. ft. (0.2 lb. active ingredient per acre) per application on residential use sites (i.e. around private home, apartment buildings, condominiums, non-agricultural outbuildings, non-commercial greenhouses, pre-schools or day care facilities). May be applied up to 6.1 lbs. of product per 1,000 sq. ft. (0.4 lb. active ingredient per acre) per application on non-residential use sites (i.e. around institutional, public, commercial or industrial buildings; golf courses; sod farms; parks; recreational areas or athletic fields).

Application Rates

| Pest | Lbs. AI / acre | Lbs. product per acre | Lbs. product per 1,000 sq. ft. |
|--|----------------|-----------------------|--------------------------------|
| Armyworms Cutworms Sod Webworms | 0.05 - 0.1 | 33 - 66 | 0.7 - 1.5 |
| Annual Bluegrass Weevil (<i>Hyperodes</i>) (Adult) Billbugs (Adult) Black Turfgrass Ataenius (Adult) Leafhoppers Mealybugs | 0.05 - 0.2 | 33 - 133 | 0.5 - 3.0 |
| Chinch Bugs: | 0.05 - 0.4 | 33 - 266 | 0.7 - 6.1 |
| Ants Centipedes European Crane Fly Fleas (Adults) Flea (Larvae) Imported Fire Ants (Adults) Imported Fire Ants (Mounds) Millipedes Mole Cricket (Adult) Mole Cricket (Nymph) Ticks Deer Ticks American Dog Ticks | 0.2 - 0.4 | 133 - 266 | 3.0 - 6.1 |
| Pillbugs (Sowbugs) | 0.4 | 266 | 6.1 |

Comments:

Armyworms, Cutworms, Sod Webworms: For best results, the treated area should be irrigated immediately after application with up to 0.1 inches of water to activate the insecticide.

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Annual Bluegrass Weevil (*Hyperodes*) (Adult): Treatment should be made to control the adult weevils as they migrate from their overwintering sites and move into grass areas. This movement generally begins when Forsythias bloom and ends when flowering dogwoods are in bloom. Contact your State Cooperative Extension Service for more specific information.

Billbugs (Adult): Apply when adult billbugs are first observed during April and May. Consult your State Cooperative Extension Service for information on degree days and timing in your region. In temperate regions, spring applications targeting billbug adults will also provide control of over-wintered chinch bugs.

Black Turfgrass Ataenius (Adult): Apply treatments during May and July to control both generations of adults. The May application should be made at the same time as the full bloom stage of Vanhoutte spiraea (*Spirea vanhouttei*) and Horse chestnut (buckeye tree) (*Aesculus hippocastanum*). The July application should coincide with the blooming of Rose of Sharon (*Hibiscus syriacus*).

Chinch Bugs: These bugs infest the base of the plant and are usually found in the thatch layer. Watering the treated area with up 0.25 inches immediately after application will result in quicker control. Chinch bugs can be a difficult pest to control. Higher application rates may be required to control both nymphs and adults during the summer or in warm season turf areas.

Flea Larvae: These larvae develop in the soil and shady areas. Irrigate the treated area with up to 0.5 inches of water immediately after application.

Imported Fire Ants: The best control will be reached by a combination of broadcast applications and mound drenching. If soil is not moist, then it is important to irrigate before application. Broadcast application should apply up to 0.4 lb. A/I/A. Mounds should be treated by applying 5/8 cup of this product per mound and then drenching the mound with 1 to 2 gallons of water. The mounds should be treated with sufficient force to break their apex and allow the insecticide solution to flow into the ant tunnels. A four foot diameter circle around the mound should also be treated. For best results, apply in cool weather (65-80°F) or in early morning or late evening hours. This treatment will kill the queen within 24 hours of application. Application of 0.25 AI (166 lbs.) per acre of this product will provide six months residual activity for control of foraging Imported Fire Ants and newly mated Fly-In Queens.

Mole Cricket Adults: Achieving acceptable control of adult mole crickets is difficult because preferred grass areas are subject to continuous invasion during the early spring by this extremely active stage. Applications should be made as late in the day as possible and should be watered in with up to 0.5 inches of water immediately after treatment. If the soil is not moist, then it is important to irrigate before application to bring the mole crickets closer to the soil surface where contact with the insecticide will be maximized. Grass areas that receive pressure from adult mole crickets should be treated at peak egg hatch to ensure optimum control of subsequent nymph populations (see below).

Mole Cricket Nymphs: Grass areas that received intense adult mole cricket pressure in the spring should be treated immediately prior to peak egg hatch. Optimal control is achieved at this time because young nymphs are more susceptible to insecticides and they are located near the soil surface where the insecticide is most concentrated. Control of larger, more damaging, nymphs later in the year may require both higher application rates and more frequent applications to maintain acceptable control. Applications should be made as late in the day as possible and should be watered in with up to 0.5 inches of water immediately after treatment. If the soil is moist, then it is important to irrigate before application to bring the mole crickets closer to the soil surface where contact with the insecticide will be maximized.

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Ticks: Do not make spot applications. Treat the entire area where ticks may occur. The higher application rate might be needed if heavy leaf litter or dense ground cover exists. Retreatment might also be necessary due to animals reintroducing new populations. Do not allow public use of treated areas during application.

Deer Ticks: These ticks have a life cycle that ranges over a two year period and involves four life stages. Treatments should be applied in mid- to late-spring to control larvae and nymphs that are present on the soil and leaf-litter.

American Dog Ticks: These ticks tend to gather along paths or roadways where humans are likely to be found. Treatments should be made from mid-spring to early fall to control larvae, nymphs and adults.

| Suggested Spreader Settings | | | | | | |
|--|---------------------|-------------------|-------------------------|----------------------|-------------------------|-----------------------|
| These suggested spreader settings are not intended to replace calibration. Please calibrate your spreader before applying product. | | | | | | |
| XX lbs. treats X,XXX sq. ft. at the 33 lbs. product/acre - LIGHT RATE (0.7 lbs./1,000 sq. ft. rate) | | | | | | |
| XX lbs. treats X,XXX sq. ft. at the 66 lbs. product/acre - LOW RATE (1.5 lbs./1,000 sq. ft. rate) | | | | | | |
| XX lbs. treats X,XXX sq. ft. at the 133 lbs. product/acre - MEDIUM RATE (3.0 lbs./1,000 sq. ft. rate) | | | | | | |
| XX lbs. treats X,XXX sq. ft. at the 266 lbs. product/acre - HIGH RATE (6.1 lbs./1,000 sq. ft. rate) | | | | | | |
| SPREADER | GROUND OR PTO SPEED | WIDTH OF COVERAGE | SPREADER SETTINGS | | | |
| | | | LIGHT 0.05 lbs. ai/A | LOW 0.1 lbs. ai/A | MEDIUM 0.2 lbs. ai/A | HIGH 0.4 lbs. ai/A |
| Andersons AccuPro 2000, SR-2000 (cone X) | X mph | XX ft/ | X | X | X | X |
| Andersons AccuPro 1000 | X mph | XX ft | X | X | X | X |
| Scotts R-8A (cone X) | X mph | XX ft | X | X | X | X |
| Andersons SS-2 Drop | X mph | overlap wheels | X | X | X | X |
| Lely Models WTR, WFR, HR 1250 (PTO at 450 rpm) | X mph | XX ft | X | X | X | X |

Note: This list of spreaders and settings will vary dependent on market availability of spreaders. (this note will not appear on final label)

Note: These spreader settings were established using standard equipment available from the spreader manufacturer at swath widths and speeds typically used within the industry. It is recommended that all spreader equipment be calibrated at the time of application to achieve the desired application rate.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Keep out of reach of children and animals. Store in original container only. Store in cool, dry place and avoid excess heat.

PESTICIDE DISPOSAL: Wastes resulting from the use of the product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Completely empty bag into application equipment. Then 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.

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Back Panel (for internal use only, will not appear on final label)

IMPORTANT: READ BEFORE USE:

Read the entire Directions for Use and the Warranty Disclaimer and Limitation of Liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or Buyer accepts the following Warranty Disclaimer and Limitation of Liability:

WARRANTY DISCLAIMER and LIMITATION of LIABILITY:

Manufacturer warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions. Manufacturer makes NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Where permissible, it is Manufacturer's intent to LIMIT ANY LIABILITY FOR SPECIAL, CONSEQUENTIAL OR INCIDENTAL ECONOMIC DAMAGES to refund of purchase price or replacement of product, at Buyer's choice. Manufacturer DISCLAIMS ANY LIABILITY FOR COMPENSATORY OR OTHER DAMAGES ARISING OUT OF ANY USE CONTRARY TO LABEL DIRECTIONS. Use contrary to label directions is not permitted.

LEGAL RIGHTS:

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS; YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE/JURISDICTION TO STATE/JURISDICTION.

Manufactured by:

The Andersons Lawn Fertilizer Division, Inc.
d/b/a Free Flow Fertilizer
PO Box 119
Maumee, OH 43537

| | |
|---------------|--------------|
| Date Printed | 12/1/04 |
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| Label Changes | New |
| Filename | 0.15 bif pro |
| Label code | APXXXXXX |