

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460



OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

JAN 25 2001

Mr. Russell F. Sawyer
Riverdale Chemical Company
425 West 194th Street
Glenwood, IL 60425-1584

Subject: Riverdale Grub Out Plus Fertilizer
EPA Reg. No. 228-161
Submission dated 10/31/2000


Dear Mr. Sawyer:

The revised product labeling referred to above, submitted in connection with the registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) as amended, is acceptable, with the following comment:

- Add "Maximum application rate is 1 lb a.i. per acre." under Directions for Use.

Submit one copy of the revised final printed label before releasing the product for shipment. If the condition enumerated above is not complied with, the registration will be subject to cancellation in accordance with FIFRA Section 6(e). A stamped copy of the label is enclosed for your records. If you have questions about this label review, please contact Ann Hanger at (703) 308-8036 or electronically at Hanger.Ann@EPA.gov.

Sincerely,


Dennis McNeilly, Chemist
Insecticide-Rodenticide Branch
Registration Division (7505C)

RIVERDALE

GRUB OUT PLUS FERTILIZER

X - X - X

FOR GOLF COURSE TURF USE ONLY

This product controls larvae of European Chafer, Japanese Beetle larvae, Hyperodes (Turfgrass) Weevils, Chinch Bugs, Sod Webworms and other turf insects, plus fertilizes your turf.

See other side of bag for a complete list of insects controlled.

Treats up to 10,000 square feet. (Read Directions for Specific Application Rates.)

ACTIVE INGREDIENT:

Chlorpyrifos [0, 0-Diethyl 0-(3,5,6-trichloro-2-pyridinyl) phosphorothioate].....0.70%

INERT INGREDIENTS:.....99.30%

TOTAL.....100.00%

ACCEPTED with COMMENTS In EPA Letter Dated: JAN 25 2001

GUARANTEED ANALYSIS:*

Total Nitrogen (N).....X%

X% Ammoniacal Nitrogen

X% Urea Nitrogen

Available Phosphoric Acid (P₂O₅).....X%

Soluble Potash (K₂O).....X%

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 228-161

Primary Plant Foods derived from Ammonium Phosphate, Sulfur Coated Urea, Urea, Triple Super Phosphate, and Muriate of Potash

The urea nitrogen in this product has been coated to provide X% coated slow release urea nitrogen

Chlorine (Cl) Maximum.....X%

NOT FOR SALE TO OR USE BY HOMEOWNERS

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

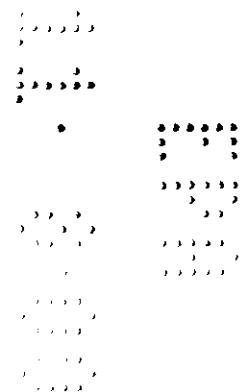
AND STATEMENT OF PRACTICAL TREATMENT

EPA REG. NO. 228-161 NET WEIGHT - 33 LBS. EPA EST. NO. 228-IL-1

MANUFACTURED BY

RIVERDALE CHEMICAL COMPANY

GLENWOOD, ILLINOIS 60425-1584



Revised A/O 7/28/00 EPA Limited Use in Golf Courses Only.

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed, inhaled, or absorbed through the skin. Avoid breathing dust and contact with eyes, skin and clothing. Keep children and pets off treated areas until this product is washed into the soil and grass is dry. Wash thoroughly after handling and before smoking or eating.

STATEMENT OF PRACTICAL TREATMENT

- IF SWALLOWED: Call a physician or poison control center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.
- IF ON SKIN: In case of contact, remove contaminated clothing and immediately wash skin with plenty of soap and water.
- IF IN EYES: Flush eyes with plenty of water.
- IN INHALED: Remove victim to fresh air if symptoms of cholinesterase inhibition appear and get medical attention immediately.
- NOTE TO PHYSICIAN: Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. Atropine, by injection only is antidotal.

ENVIRONMENTAL HAZARDS

The pesticide is toxic to birds, fish and aquatic invertebrates. Birds feeding on treated areas may be killed. Clean up spilled product to reduce exposure to wildlife. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate. Do not feed treated grass clippings to livestock.

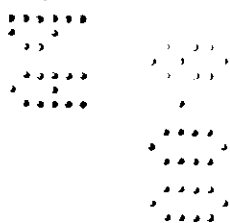
DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. READ ENTIRE LABEL BEFORE USING THIS PRODUCT. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.

CONTROLS THESE INSECTS

- | | | |
|-----------------|---------------------------|--------------------|
| ANTS | CRICKETS | FLEAS |
| ARMYWORMS | CUTWORMS | GRASSHOPPERS |
| BOXELDER BUGS | EARWIGS | HYPERODES WEEVILS |
| BROWN DOG TICKS | EUROPEAN CHAFER | JAPANESE BEETLE |
| CHIGGERS | EUROPEAN CRANE FLY LARVAE | SOD WEBWORM |
| CHINCH BUGS | FIRE ANTS | SOUTHERN CHAFER |
| CLOVER MITES | | SOWBUGS (PILLBUGS) |

NOTE: Mosquitoes coming to rest on areas treated for control of turf pests will be killed for varying periods of time after treatment, depending on exposure of treated areas to weather conditions.



Treat when insects are active or as recommended by State Agricultural Experiment Station or State extension Service Specialists.

Apply this product uniformly to your golf course turf grass areas using any hand or power operated gravity or rotary type spreader designed for application of granular materials. This product is for golf course use only. To obtain uniform distribution apply one-half the required amount of product in one direction; then apply the balance at a right angle.

After 2 or 3 days water; apply about an inch of water. Rainfall during this period may be counted, but should be measured.

SURFACE FEEDING INSECTS

To control ants, armyworms, boxelder bugs, brown dog ticks, chiggers, chinch bugs, clover mites, crickets, cutworms, earwigs, fire ants, fleas, grasshoppers, sod webworm (lawn moth), sowbugs (pillbugs) and ticks use the product at a rate of 3.3 lbs. per 1,000 sq.ft. This package will treat 10,000 sq.ft. (100'x100' area) at the above rate. Treat in the Spring or when insects first appear troublesome and repeat as needed for control. Immediately after application lightly sprinkle the treated area with water to move the granules into the area of insect infestation.

ROOT FEEDING INSECTS

To control Billbug Larvae and the white grubs larvae of European chafer, Japanese beetle, Black Turfgrass ataeenius, Southern masked chafer and Hyperode weevil, use this product at a rate of 3.3 lbs. to per 1,000 sq.ft. For best results treat when grubs and turfgrass weevils are young and actively feeding near the soil surface, usually during late July and August. Consult your local Agricultural Extension Service Specialist for proper time to treat in your area. Apply the granules uniformly over the area treated, followed immediately by thorough watering to wash the insecticide into the turf.

To control Hyperodes (turfgrass) weevils use this product at a rate of 3.3 lbs. per 1,000 sq.ft. to treat suspected problem areas in mid-april and again in mid-May. Consult your local Agricultural Extension Service Specialist for best time to treat your area.

To control European Crane Fly Larvae Control use at a rate of 3.3 lbs. per 1,000 sq.ft. using any granular application equipment as described above. For increased effectiveness, follow the granule application with a thorough watering to move the insecticide into the soil; apply the equivalent of 1/2 to 1 inch of water by using a sprinkler or other means of applying water turf. Consult your local Agricultural Extension Service specialist for timing of application in your geographic area.

SPREADER SETTINGS*

Due to variations in individual machines, these settings are intended to be a guide. It is important to make certain that your machine is spreading the correct amount of material at the setting used. The following spreader settings are based on a half rate for a two direction application.

| Make of Spreader | Coverage | |
|--------------------|---------------|---------------|
| | 10,000 sq.ft. | 20,000 sq.ft. |
| Turf Line Rotary | 2.0* | 1.5* |
| Cyclone Rotary | 2.0* | 1.5* |
| Scott Conventional | 3.0 | 2.0 |

*Based on a spreading width of 6 feet.

Sweep all fertilizer materials from concrete surfaces immediately after application. Do not wash material from concrete surfaces because fertilizers which contain iron may cause discoloration upon oxidation.

STORAGE AND DISPOSAL

STORAGE: Always store product in original container and in locked storage area. Do not store above 100°F for extended periods of time. Do not contaminate other pesticides, fertilizers, seeds, water, food or feed by storage or disposal.

PRODUCT DISPOSAL: Wastes resulting from the use of this 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.

NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of merchant ability or fitness for a particular purpose, expressed or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

(MOA/RV 072800)

The following information will not appear on final label.

- *Notes: 1. Percentages and sources of primary plant foods along with spreader settings will differ among various commercial fertilizer manufacturers.
- 2. Chlorine statement only required in Florida.

