

MAY 21 1993

Ms. Cheryl Mulherin  
Vigoro Industries, Inc.  
2017 West Highway 50  
P.O. Box 4139  
Fairview Heights, Illinois 62208-0839

Subject: Revised Labeling--Avian Granular Policy  
Ideal 18 Insect Control Plus Lawn Fertilizer  
EPA Registration Number 557-1980  
Your Submission Dated April 23, 1993

Dear Ms. Mulherin:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, is acceptable provided that you make the labeling change indicated below before you release the product for shipment bearing the amended labeling:

Revise the Environmental Hazard statement to read:

This pesticide is toxic to birds, fish, and aquatic invertebrates. Birds feeding in treated areas may be killed. Clean up spilled product to reduce exposure to wildlife. For terrestrial uses, 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 washwaters.

Submit five (5) copies of your final printed labeling before you release the product for shipment.

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

Sincerely yours,

*DHE*

Dennis H. Edwards, Jr.  
Product Manager (19)  
Insecticide-Rodenticide Branch  
Registration Division (H7505C)

●  
Enclosure



3 2 7

FRONT PANEL

Treats up to 5,000 sq. ft.

IDEAL 18  
INSECT CONTROL PLUS  
LAWN FERTILIZER

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

MAY 21 1993

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
557-1980

Controls Certain White Grubs, Chinch Bugs,  
Brown Dog Ticks, Cutworms and other insects  
in lawns and turfgrasses.

Keeps grass green longer with fewer clippings  
when compared with soluble fertilizers.

Contains the controlled-release nitrogen used on  
70 of America's top 100 golf courses.

ACTIVE INGREDIENT

Chlorpyrifos (0,0-diethyl-O-(3,5,6-trichloro-2-pyridyl)  
phosphorothioate..... 0.54%

INERT INGREDIENTS.....99.36%

U.S. Patent No. 3,244,586

EPA Reg. No. 557-1980

EPA Est. No. 557-FL-1

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KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT

If on skin: Wash with soap and water.  
If in eyes: Flush with plenty of water.  
See back panel for additional precautionary  
statements.  
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NET WT. 18 LBS. (8.2 kg)

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Treats up to 5,000 sq. ft.

IDEAL 18

INSECT CONTROL PLUS  
LAWN FERTILIZER

32-2-4

**GUARANTEED ANALYSIS**

Total Nitrogen (N).....	32.0%
0.8% Ammoniacal Nitrogen	
30.2% Urea Nitrogen*	
1.0% Water Insoluble Nitrogen	
Available Phosphoric Acid (P <sub>2</sub> O <sub>5</sub> ).....	2.0%
Soluble Potash (K <sub>2</sub> O).....	4.0%
Sulfur (S).....	2.5%
2.5% Sulfur, free (S)	
Iron (Fe).....	1.0%

Derived from ammonium phosphate, urea, sulfur coated urea, isobutylidene diurea, muriate of potash, and iron oxide.  
\*6.8% slowly available urea nitrogen from sulfur coated urea.

**PRECAUTIONARY STATEMENTS**  
**HAZARD TO HUMANS AND DOMESTIC ANIMALS**  
**CAUTION**

Avoid contact with skin, eyes, or clothing. Avoid breathing dust... Wash thoroughly after handling. Wash contaminated clothing before reuse. Harmful if swallowed. Do not take internally. Keep children and pets off treated areas until product is washed into the soil and grass is dry.

Note to Physician: Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. Atropine is an antidote.

**ENVIRONMENTAL HAZARD**

Do not apply directly to water. Keep out of lakes, streams or ponds. Do not apply where run-off is likely to occur. This product is toxic to fish, birds and other wildlife. Do not contaminate any body of water by cleaning of equipment or disposal of wastes. 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.

**LAWN AND TURF AREAS:** To control Chinchbugs, Sod Webworms, Ants, Brown Dog Ticks, Crickets, Cutworms, Earwigs, Grasshoppers and Sowbugs (Pillbugs), apply the contents of this bag uniformly over 5,000 sq. ft. using the spreader setting shown below, followed IMMEDIATELY by thorough watering to carry the active ingredient into the zone of insect infestation.

**BEST AVAILABLE COPY**

REAR PANEL (DIRECTIONS FOR USE CONT.)

To control certain white grubs (larvae of European Chafer and Japanese Beetle), apply the contents of this bag uniformly over ~~sq. ft.~~ sq. ft. using the spreader setting shown below, followed IMMEDIATELY by thorough watering. For best results, treat when grubs are young and actively feeding near the soil surface, usually during late July and August. Consult your local Agricultural Extension Service specialist for best time to treat your area.

~~When white grubs are present in the area to be treated, a repeat application may be made 7 to 14 days following the first application.~~

Broadcast Spreader Settings

For best results, apply in a circular path starting on the outside and working toward center. A little overlap of product will insure complete coverage.

SPREADER	18 lbs/5,000 sq ft	18 lbs/2,500 sq ft
Central Broadcast 600	4 1/4	4 3/4
Cyclone	4	4 1/2
Ortho Broadcast 6000	2 1/2	3 1/4
Precision Broadcast	4	4 1/2
Scotts Broadcast ERZ	E-F	F-G
Sears Broadcast	4	4 1/2

Drop Spreader Settings

First, apply 2 border strips along the edge of each end of the lawn. Then apply product along the length of the lawn, overlapping slightly, and shutting off spreader before turning as you reach the edge of the border strips.

SPREADER	18 lbs/5,000 sq ft	18 lbs/2,500 sq ft
Central Drop 550	10	11 1/2
Greenview Drop	7	9
Ortho Drop 5000	7	8
Precision Drop FH22	9	10 1/2
Scotts Drop PF-1	5	6
Sears Drop	10	11 1/2

Note: Spreader rate varies with walking speed, check spreader over known area. Close spreader openings when loading, turning on when stopped. Hand spreading is not recommended. Clean spreader after each use. Remove spillage promptly by sweeping.

Approximately 4 weeks after initial treatment with product, an application of 16% or higher nitrogen fertilizer should be made at a rate of 6 lbs. per 1,000 sq. ft. and watered in well.

REAR PANEL

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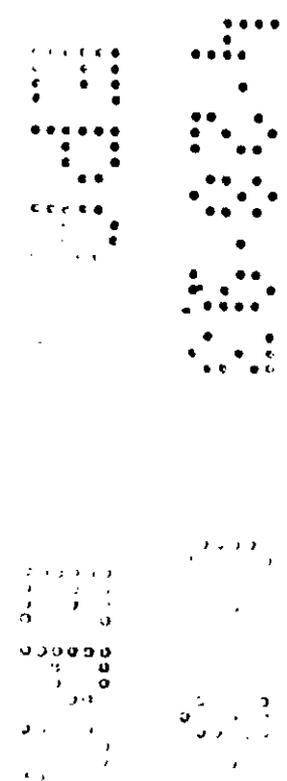
**Storage:** Store in original container in safe, dry place. Do not contaminate other pesticides, fertilizer, seeds, food or feed. Return spillage to original container prior to disposal.

**Product Disposal:** Securely wrap original container in several layers of newspaper and discard in trash.

**Container Disposal:** Do not reuse bag. Discard bag in trash.

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Manufactured by Vigoro Industries, Inc., Fairview Heights, IL 62208.



**REAR PANEL**

About clippings: Grass clippings and yard wastes are approximately 20% of the volume in our nation's landfills. This product will help you do your part by significantly reducing the amount of clippings generated. This happens because the high amount of controlled-release nitrogen in the product prevents surges of growth while providing a steady release of nutrient. **Other Tips For Reducing Clippings:** Leave clippings on your lawn, and increase mowing height and frequency. This will result in smaller clippings that decompose more readily and add nutrients back into your lawn.

IBDU slow release nitrogen is exclusively distributed in the U.S.A. by Vigoro Industries - a leader in the fertilizer industry for over 100 years.

**Why Vigoro fertilizers outperform other fertilizers:** This product gives you the type of lawn that will turn your neighbors green with envy. That's because it contains IBDU slow release nitrogen. It feeds your lawn every time it gets water.

IBDU slow release nitrogen produces a thick, green lawn with less frequent fertilizing.

IBDU slow release nitrogen doesn't wash away with heavy rain or over-watering like the nitrogen in other fertilizers.

The controlled-release feeding of IBDU slow release nitrogen won't overfeed or burn your lawn when used as directed.

This product gives you steady consistent growth for easier maintenance.

**What is IBDU® Slow-Release Nitrogen?** IBDU slow-release nitrogen has been proven since 1964 by golf course, landscape and agricultural professionals worldwide as one of the most consistent slow-release nitrogen sources. IBDU slow-release nitrogen is only slightly water soluble (about 1/1000 that of urea) and depends only on hydrolysis (water) for its predictable release to the soil. It is not dependent on temperature or bacterial activity.

**The Benefits of A Well-Maintained Lawn:** Besides increasing property values, a well-maintained lawn provides the following benefits to your home and environment:

- A 50' x 50' lawn produces enough oxygen for a family of four every day
- Controls erosion
- Traps dust, smoke and other pollutants
- Reduces noise and glare
- Modifies temperature
- Improves soil condition
- Purifies water

**BEST AVAILABLE COPY**