

## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

JUL 19 1991

Judith K. Bycroft  
 Vigoro Industries, Inc.  
 P.O. Box 4139  
 Fairview Heights, IL 62208

Dear Ms. Bycroft:

Subject: Alternate Labeling Incorporating Lawn Maintenance  
 Golden Vigoro Weed Control Plus Lawn Fertilizer 18-4-8  
 EPA Registration No. 557-1850  
 Your Submission Dated July 11, 1991

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable with the following provision:

Due to new EPA policy, part of the Environmental Hazards section has been changed. To comply, change the sentence "Do not apply to water or wetlands (swamps, bogs, marshes, and potholes)" to read "Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark."

A stamped copy is enclosed for your records. Please submit five (5) final printed copies for the referenced label, incorporating the above changes.

Sincerely yours,

Joanne I. Miller  
 Product Manager (23)  
 Fungicide-Herbicide Branch  
 Registration Division (H7505C)

Enclosure

CONCURRENCES							
SYMBOL	H7505C						
SURNAME	D. KENNY						
DATE	7/18/91						

PM 23 557-1850

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JUL 19 1981

FRONT PANEL

557-1850

TREATS 5,000 SQ. FT.  
18-4-8

GOLDEN

V I G O R O®

WEED CONTROL PLUS LAWN FERTILIZER

WEED AND FEED

Feeds lawn as 3-way action  
kills chickweed, dandelion,  
knotweed, plantains,  
henbit, spurge and many  
other weeds.

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

Contains IBDU® slow release  
nitrogen, the controlled release  
nitrogen used on 70 of America's top  
100 golf courses.

KEEP OUT OF REACH OF CHILDREN

CAUTION

In case of contact, wash skin with plenty of soap  
and water; for eyes, flush with water for 15  
minutes and get medical attention. See back panel  
for additional precautionary statements.

ACTIVE INGREDIENTS:

+*Dimethylamine Salt of 2,4-	
dichlorophenoxyacetic acid . . . . .	0.65%
**Dimethylamine Salt of 2-(2-methyl-4-	
chlorophenoxy) propionic acid . . . . .	0.31%
***Dimethylamine Salt of dicamba (3,6-	
dichloro-o-anisic acid) . . . . .	0.07%
INERT INGREDIENTS: . . . . .	98.97%
TOTAL . . . . .	100.00%

THIS PRODUCT CONTAINS:

- +\*0.54% 2,4-dichlorophenoxyacetic acid equivalent.
- \*\*0.26% 2-(2-methyl-4-chlorophenoxy) propionic acid equivalent.
- \*\*\*0.06% 3,6-dichloro-o-anisic acid equivalent.

+Isomer Specific by AOAC Method 6.D01.5

U.S. Patent No. 3,284,186

EPA Reg. No. 557-1850

EPA Est. No. 557-CA-1

NET WT. 25 LBS.

REAR PANEL

TREATS 5,000 SQ. FT.

NET WT. 25 LBS.

GOLDEN

V I G O R O •

WEED CONTROL PLUS LAWN FERTILIZER

18-4-8

GUARANTEED ANALYSIS

TOTAL NITROGEN (N)	18.0%
1.5% Ammoniacal Nitrogen	
11.5% Urea Nitrogen	
5.0% Water Insoluble Nitrogen	
AVAILABLE PHOSPHORIC ACID (P <sub>2</sub> O <sub>5</sub> )	4.0%
SOLUBLE POTASH (K <sub>2</sub> O)	8.0%
Derived from ammoniated phosphates, urea, isobutylidene diurea and muriatic acid of potash. Potential Acidity 600 lbs. Calcium Carbonate Equivalent 1 ton.	

PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
CAUTION

Harmful if swallowed. Avoid breathing dust. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Keep out of reach of children. Do not re-enter or permit others to re-enter treated areas until dusts have settled.

Protective Clothing: Applicators must wear long pants, long-sleeved shirts, shoes and gloves.

ENVIRONMENTAL HAZARD

This product is toxic to aquatic invertebrates. Drift or run-off may adversely affect aquatic invertebrates and non-target plants. Do not apply directly to water or wetlands (swamps, bogs, marshes and potholes). Do not contaminate any body of water by cleaning of equipment or disposal of wastes. Do not contaminate water when disposing of equipment washwaters. Do not apply when weather conditions favor drift from target area.

DIRECTIONS FOR USE

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

**WHEN TO APPLY** - For best results apply when weeds are actively growing in the spring or early fall after heavy rains. Water lawn one day before application to ensure adequate soil moisture. Do not apply to wet grass. To get maximum weed killing results, do not rake, mow or water lawn again until two days after applying. Do not apply during excessively hot weather (85° F or above). Repeat treatment if necessary to control hard to kill weeds.

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REAR PANEL CONT.

**WHERE TO APPLY** - This product may be used on bluegrass, fescue, rye, Bermuda, and zoysia lawns. If adverse low moisture conditions exist, weeds are in a poor state of growth, or the lawn is heavily overrun with weeds, more than one application may be required. Apply the second application in 30 days.

**HOW TO APPLY** - Using the spreader settings provided below, apply this product to 5,000 square feet of lawn area (100' x 50').

Approximately 4 weeks after weed kill is evident, 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.

**WEEDS CONTROLLED** - The list below is a partial list of the common weeds controlled by this product.

Bedstraw	Lambsquarter	Shepherd's Purse
Black Medic	Lespedeza	Speedwell
Blackhorn	Mallow	Spurge
Dock	Morning Glory	Thistle
Chicory	Oxalis	Wild Carrot
Chickweed	Peppergrass	Wild Garlic
Clover	Pigweed	Wild Lettuce
Dandelion	Plantains	Wild Onion
Dock	Poison Ivy	Yarrow
Ground Ivy	Poison Oak	and many other
Heal-All	Purslane	Broadleaf weeds
Henbit	Ragweed	
Knotweed	Sheep Sorrel	

**PRECAUTIONS:** - Do not apply to newly seeded lawns. Do not apply to bentgrass, St. Augustine grass or Dichondra lawns as injury may result. Do not use where desirable clovers are present or allow the product to "wind drift" on flowers, vegetables or ornamental shrubbery. Apply when air is calm. Do not apply to areas underlaid by roots of desirable trees and shrubs.

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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.  
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**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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About the Environment: Besides increasing property values, did you know 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
- Purifies water
- Improves soil condition
- Modifies temperature

About Clippings: Grass clippings and yard wastes are approximately 20% of the volume in our nation's landfills. Vigoro Fairway Green Premium lawn fertilizers 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.

### 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.

Central Broadcast 609B	4 1/4 - 4 3/4
Cyclone B1-84	5 1/4 - 5 1/2
Ortho Broadcast 6000	2 1/2 - 3
Precision Broadcast SB50	4 1/2 - 5
Scotts Broadcast 021M	K - L
Sears Broadcast 671.19261	4 1/4 - 4 3/4

### 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.

Central Drop 550	10 1/2 - 11
Greenview Drop 105	10 1/2 - 11
Ortho Drop 5000	9 - 9 1/2
Precision Drop FH22	10 1/2 - 11
Scotts Drop PF2	8 - 8 1/2
Sears Drop 671.19151	10 - 10 1/2

NOTE: Spreader rate varies with walking speed. To insure proper coverage, check spreader over known area.

CAUTION: Close spreader openings when loading, turning or when stopped.

What is IBDU slow release nitrogen? IBDU slow release nitrogen has been proven since 1964 by golf course, landscape and agricultural professionals world-wide 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.

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

Why Vigoro lawn fertilizers outperform other fertilizers. Vigoro lawn fertilizers give you the type of lawn that will turn your neighbors green with envy. That's because they contain IBDU slow release nitrogen. It feeds your lawn every time it gets water - and only Vigoro products have it!

- 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.
- Vigoro lawn fertilizers give you steady, consistent growth for easier maintenance.

If you are not completely satisfied with the results of this quality lawn care product, your money will be cheerfully refunded.

Vigoro® is a registered trademark of Vigoro Industries, Inc.  
Manufactured by Vigoro Industries, Inc., Fairview Hts, IL 62208