

APR 16 1996

Mr. James A. Armbruster, Ph.D.  
PBI/Gordon Corporation  
1217 West 12th Street  
P.O. Box 14090  
Kansas City, Missouri 64101

Dear Dr. Armbruster:

SUBJECT: (1) Label Amendment - Conversion from Manufacturing-Use  
to End-Use Product for Turfgrass;  
(2) Product Name Change; and  
(3) Updated Confidential Statement of Formula.  
Trimec Vinex F Concentrate  
EPA Registration No. 2217-618  
Your Application Dated February 9, 1996, as Amended  
March 26, 1996.

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 provisions:

1. You must revise the first sentence of the Pesticide Disposal instructions to read: "Pesticide wastes are acutely hazardous."
2. You must insert the missing word ("per") in the statement specifying the maximum application rate for 2,4-D under "Application Rates". The revised statement should read as follows: "The maximum application rate to turf is 1.3 pounds 2,4-D acid equivalent per acre per application per site."
3. You may, at your discretion, delete the phrase "For terrestrial uses" from the third sentence of the Environmental Hazards section, since there are no aquatic uses for this product.

A stamped copy is enclosed for your records. Submit one copy of your final printed labeling before you release the product for shipment.

The product name as proposed is acceptable. We acknowledge the official name for this product to be "Trimec Vinex F Concentrate". Please use this name in all future correspondence with the Agency regarding this product.

RD:STANTON:PM Team 23:Rm. 235:CM-2:305-5218:Disk #2:S503744.LET

CONCURRENCES

SYMBOL ▶	7505c							
SURNAME ▶	S. Stanton							
DATE ▶	Apr 16, 1996							

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The Confidential Statement of Formula (CSF), referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable. However, we noted a typographical error in the upper certified limit of the active ingredient, dicamba. The upper certified limit (expressed as percent by weight) should be 1.91, not 1.19. We have corrected this error on our copy. Please make the same correction in your records. A copy of the CSF (Basic Formulation) dated February 9, 1996, has been placed in our file for the subject product. Please note; this accepted CSF now supersedes all previous basic CSFs on file for this product.

Sincerely yours,

Joanne I. Miller  
Product Manager (23)  
Fungicide-Herbicide Branch  
Registration Division (7505C)

Enclosure

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# TRIMEC® VINEX F CONCENTRATE

## ACTIVE INGREDIENTS:

* Dimethylamine salt of 2-(2-methyl-4-chlorophenoxy) propionic acid. . .	10.82%
** Dimethylamine salt of 2,4-dichlorophenoxyacetic acid. . . . .	21.53%
*** Dimethylamine salt of Dicamba (3,6-dichloro-o-anisic acid) . . . . .	2.15%
INERT INGREDIENTS . . . . .	65.50%
TOTAL	100.00%

## THIS PRODUCT CONTAINS:

- \* 0.85 lbs. 2-(2-methyl-4-chlorophenoxy) propionic acid equivalent per gallon or 9.09%
- \*\* 1.69 lbs. 2,4-dichlorophenoxyacetic acid equivalent per gallon or 18.19%
- \*\*\* 0.17 lbs. 3,6-dichloro-o-anisic acid equivalent per gallon or 1.82%

## ISOMER SPECIFIC BY AOAC METHODS

TRIMEC® is a registered trademark of PBI/GORDON CORPORATION

KEEP OUT OF REACH OF CHILDREN

**CAUTION  
DANGER**

ACCEPTED  
with COMMENTS  
In EPA Letter Dated  
APR 16 1996

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
2217-618

See side panel for additional Precautionary Statements.

NET CONTENTS 1, 2.5, 5, 15, 30, AND 55 U.S. GALLONS

APXXXXXX

EPA REG. NO: 2217-618

EPA EST. NO: 2217-KS-

Mfd. by PBI/GORDON CORPORATION

KANSAS CITY, MISSOURI 64101

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**STOP! READ THE ENTIRE LABEL FIRST. OBSERVE ALL PRECAUTIONS AND FOLLOW DIRECTIONS CAREFULLY.**

## **PRECAUTIONARY STATEMENTS**

### **HAZARDS TO HUMANS & DOMESTIC ANIMALS:**

~~**CAUTION:** Harmful if swallowed. Avoid contact with eyes, on skin or on clothing. Wash thoroughly with soap and water after handling. Avoid breathing spray mist.~~

~~**DANGER, Corrosive.** Causes irreversible eye damage. Do not get in eyes or on clothing. Harmful if absorbed through skin. Avoid contact with skin. Harmful if swallowed. When mixing, loading, or applying this product, wear long-sleeved shirt, long pants, socks, shoes, and chemical resistant gloves and eye protection. It is recommended that safety glasses include front, brow, and temple protection.~~

After using this product, rinse gloves before removing, remove clothing and launder separately before reuse, and promptly and thoroughly wash hands and exposed skin with soap and water. Remove saturated clothing as soon as possible and shower.

### **Engineering Control Statements:**

Containers over 1 gallon and less than 5 gallons: Persons engaged in open pouring of this product must also wear coveralls or a chemical resistant apron.

Containers of 5 gallons or more: Do not open pour from this container. A mechanical system (probe and pump or spigot) must be used for transferring the contents of this container. If the contents of a non-refillable pesticide container are emptied, the probe must be rinsed before removal.

### **Statement of Practical Treatment**

~~**IF SWALLOWED:** If patient is conscious and alert, give 2-3 glasses of water or milk to drink. If available, give one tablespoon of Syrup of Ipecac to induce vomiting. Alternatively, induce vomiting by touching back of throat with finger. Get medical attention. Do not induce vomiting or give anything by mouth to an unconscious person.~~

~~**IF ON SKIN:** Wash skin with plenty of soap and water, if available, while removing contaminated clothing. Wash clothing separately before reuse.~~

~~**IF IN EYES:** Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Get medical attention.~~

~~**NOTE TO PHYSICIAN:** No specific antidote is available. All treatment should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred.~~

### **Statement of Practical Treatment**

**IF IN EYES:** Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

**IF ON SKIN:** Wash skin with plenty of soap and water. Get medical attention.

**IF SWALLOWED:** Call a doctor or get medical attention. Do not induce vomiting. Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

### **ENVIRONMENTAL HAZARDS:**

This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and nontarget plants. 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. Do not contaminate water when disposing of equipment washwaters.

When cleaning equipment, do not pour the washwater on the ground; spray or drain over a large area away from wells and other water sources.

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Most cases of groundwater contamination involving phenoxy herbicides such as 2,4-D and MCPP have been associated with mixing/loading and disposal sites. Caution should be exercised when handling 2,4-D and MCPP pesticides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing or transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

#### **DIRECTIONS FOR USE**

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

Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment area until spray has dried.

#### **- SITES -**

Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

This product is intended to be applied by lawn care operators and landscape personnel for use in ornamental lawns and turf established in institutional, ornamental, and residential/domestic sites. Institutional sites are defined as turf areas around properties or facilities providing a service to public or private organizations including, but not limited to hospitals, nursing homes, schools, museums, libraries, sport facilities ( golf courses), and office buildings. Ornamental sites include turfgrass established around residences, parks, streets, retail outlets, cemeteries, industrial and institutional buildings. Finally, residential/domestic sites are defined as areas associated with the household or home life including, but not limited to apartment complexes, condominiums, and patient care areas of nursing homes, mental institutions, hospitals, or convalescent homes.

#### **- APPLICATION SCHEDULES -**

Apply this product to emerged broadleaf weeds that are actively growing. Sequential or follow-up applications may be required for dense infestations of perennial and biennial weeds. If required, the treatment interval between the first and second application should be 14 to 28 days.

##### **NEWLY SEEDED AREAS:**

The application of this product to grass seedlings is recommended after the onset of tillering and after the grass seedlings have developed an adequate secondary root system. Usually, five to six leaves of the grass seedlings are visible when the first tiller appears.

##### **NEWLY SODDED, SPRIGGED, OR PLUGGED AREAS:**

The application of this product to newly sodded, sprigged, or plugged grasses should be delayed until 3 to 4 weeks after the sodding, sprigging, or plugging operations.

##### **ESTABLISHED GRASS STANDS:**

Spring and fall applications of this product are recommended for grasses that have been planted for one or more seasons. Also, applications to dormant bermudagrass, dormant zoysiagrass, and dormant bahiagrass are suggested.

#### **- APPLICATION RATES -**

Dosage rates and spray volume recommendations of this product are presented in Table 1.

Generally, the lower application rates within the specified range will provide satisfactory control of sensitive weed species. The higher application rates within the specified range will be required for dense infestations of perennial weeds, for adverse/extreme environmental conditions, or for weeds beyond the appropriate growth stages.

The maximum application rate to turf is 1.3 pounds 2,4-D acid equivalent per acre per application site. The maximum number of broadcast applications per treatment site is 2 per year.

Table 1. Rate Recommendations for Ornamental Turfgrass.				
Species	Amount of Product		Spray Volume	
	Pints/Acre	Fl.oz./1000 sq.ft.	Gallons/Acre	Gallons/1000 sq.ft.
<b>I. Cool Season Turf</b>				
Kentucky Bluegrass	5.0 - 6.0	1.8 - 2.2	20 - 175	0.5 - 4.0
Perennial Ryegrass				
Tall Fescue				
Fine leaf Fescues Hard Fescues Sheeps Fescue Red Fescue (Chewings Fescue, Slender Creeping Fescue, Spreading Fescue)				
Creeping Bentgrass				
	2.2	0.8	40 - 175	1.0 - 4.0
<b>II Warm Season Turf</b>				
Common Bermudagrass	4.0 - 6.0	1.5 - 2.2	20 - 175	0.5 - 4.0
Hybrid Bermudagrass				
Bahiagrass				
Zoysiagrass				

**- USE PRECAUTIONS AND LIMITATIONS -**

- Do not apply this product through any type of irrigation system.
- Avoid drift or spray mist onto vegetables, flowers, ornamental plants, shrubs, trees, and other desirable plants. Do not pour spray solutions near these plants.
- Delay mowing 1 to 2 days before and after the application of this product.
- Do not apply this product immediately before rainfall or irrigation. Do not irrigate or water the turfgrass within 24 hours after application.
- Do not use an adjuvant (e.g., spreader, spreader-sticker, surfactant, crop oil) with this product.
- Treated areas may be reseeded 3 to 4 weeks after application.
- Warm season grasses are particularly sensitive to this product when emerging from or entering dormancy. Be particularly careful during this period.

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- WEED SPECTRUM -

This product controls a wide variety of problem weed species including the following:

- WEEDS -		
Bedstraw	Henbit	Purslane
Black Medic	Knotweed	Ragweed
Buckhorn	Lambsquarters	Sheep Sorrel
Burdock	Lespedeza	Shepherdspurse
Chicory	Mallow	Speedwell
Chickweed	Morningglory	Spurge
Clover	Peppergrass	Wild Carrot
Dandelion	Pigweed	Wild Garlic
Dock	Plantains	Wild Lettuce
Ground Ivy	Poison Ivy	Wild Onion
Healall	Poison Oak	Yarrow

**STORAGE & DISPOSAL**

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

**STORAGE:** Store in original container in a locked storage area inaccessible to children or pets. Keep from freezing.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law and may contaminate groundwater. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** FOR METAL CONTAINERS - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or by other procedures approved by state and local authorities. FOR PLASTIC CONTAINERS - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities by burning. If burned stay out of smoke.

**LIMITED WARRANTY AND DISCLAIMER.**

The manufacturer warrants only that the chemical composition of this product conforms to the ingredient statement given on the label, and that the product is reasonably suited for the labeled use when applied according to the Directions for Use.

THE MANUFACTURER NEITHER MAKES NOR INTENDS ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE EXPRESSLY DISCLAIMED. This limited warranty does not extend to the use of the product inconsistent with label instructions, warnings or cautions, or to use of the product under abnormal conditions such as drought, excessive rainfall, tornadoes, hurricanes, etc. These factors are beyond the control of the manufacturer or the seller. Any damages arising from a breach of the manufacturer's warranty shall be limited to direct damages, and shall not include indirect or consequential damages such as loss of profits or values, except as otherwise provided by law.

The terms of this Limited Warranty and Disclaimer cannot be varied by any written or verbal statements or agreements. No employee or agent of the seller is authorized to vary or exceed the terms of this Limited Warranty and Disclaimer in any manner.