



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

EPA Reg. Number
 100-810

Date of Issuance
 MAR 22 1996

Term of Issuance: Conditional

Name of Pesticide Product:
 Varsity®

NOTICE OF PESTICIDE:
 Registration
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Charles A. S. Pearson, Ph.D.
 Ciba Crop Protection
 Ciba-Geigy Corporation
 P. O. Box 18300
 Greensboro, NC 27419-8300

Note: Changes in labeling differing in substance from the 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 for use on turf 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 your product under FIFRA section 4.
2. Submit five copies of the final printed label for the record.

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 constitutes acceptance of these conditions.

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

BEST AVAILABLE COPY

Signature of Approving Official

Connie B. Welch
 Connie B. Welch, PM 21

Date:

3/21/96

WATER SOLUBLE BAG

ACCEPTED
with COMMENTS
in EPA Letter Dated

MAR 22 1996

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

100-810

Varsity®

FUNGICIDE

For the control of certain diseases in turf

Active Ingredients:

Metalaxyl: N-(2,6-dimethylphenyl)- N-(methoxyacetyl)alanine methyl ester	9.0%
Chlorothalonil: Tetrachloroisophthalonitrile.....	72.0%
Inert Ingredients:	19.0%
Total:	100.0%

Varsity is a wettable powder packaged in a water-soluble bag.

KEEP OUT OF REACH OF CHILDREN.

DANGER/PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Statement of Practical Treatment

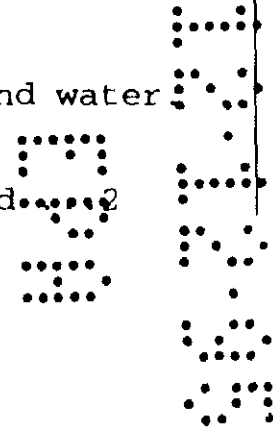
If in eyes: Flush with plenty of water and get medical attention.

If swallowed: Induce vomiting by touching back of throat with finger. Drink promptly a large quantity of milk, egg whites, or gelatin solution. If none of these are available, drink large quantities of water. Avoid alcohol. Call a physician or Poison Control Center. Do not induce vomiting or give anything by mouth to an unconscious person.

If inhaled: Remove victim to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. Get medical attention immediately.

If on skin: Wash promptly with plenty of soap and water. Rinse thoroughly. Get medical attention.

Continued



Note to Physician: If swallowed, probable mucosal damage may contraindicate the use of gastric lavage.

If in eyes, specialized ophthalmologic attention may be required.

See additional precautionary statements on left side of container.

See directions for use on right side of container.

EPA Reg. No. 100-
EPA Est. 5905-GA-01^R (Superscript is first letter of
lot number on bag)
EPA Est. 67545-AZ-1^O

This outer protective container contains Varsity in an inner water-soluble bag. Entire inner bag and contents dissolve in water. After opening outer container, immediately dump entire unopened inner bag into the partially filled sprayer or mix tank. Do not handle the soluble bag or expose it to moisture, since this may cause rupturing.

Water-Soluble Pouch

3.1 Pounds
Net Weight

W
S
E
S
E
S

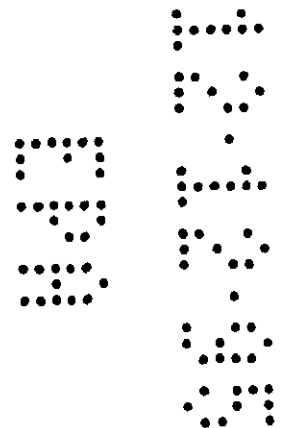
DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

IMPORTANT: Read the entire **Directions for Use** and the **Conditions of Sale and Warranty** before using this product. If terms are not acceptable, return the unopened product container at once.

Conditions of Sale and Warranty

The **Directions for Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application all of which are beyond the control of Ciba-Geigy or the Seller. All such risks shall be assumed by the Buyer.

Ciba-Geigy warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions for Use** subject to the inherent risks referred to above. **Ciba-Geigy makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall Ciba-Geigy or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product.** Ciba-Geigy and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing **Conditions of Sale and Warranty**, which may be varied only by agreement in writing signed by a duly authorized representative of Ciba-Geigy.



DIRECTIONS FOR USE

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

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

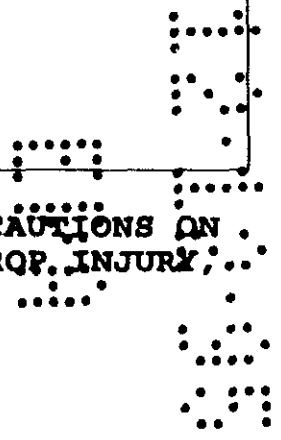
Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements 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 48 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
- Protective eyewear

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR DISEASE CONTROL, CROP INJURY, AND/OR ILLEGAL RESIDUES.



General Information

Varsity fungicide contains 9% of the active ingredient metalaxyl and 72% of the active ingredient chlorothalonil. Varsity contains the same active ingredients found in Subdue and Daconil 2787® fungicides. Varsity has both systemic and contact properties and controls diseases associated with "Summer Bentgrass Decline" such as Pythium blight and brown patch.

Note: Varsity contains a systemic fungicide having a specific mode of action. Use of Varsity could result in development of insensitive strains of fungi. Development of insensitivity cannot be predicted. Therefore, Ciba-Geigy cannot assume liability for turf damage resulting from insensitive strains of fungi. Consult with your State Agricultural Experiment Station or Extension Service Specialist for guidance and ways to control any possible Varsity insensitive strains of fungi which may occur.

Mixing Instructions

Mix Varsity with 0.5-4.0 gals. of water per 1,000 sq. ft. (20-174 gals./A).

Thorough, uniform coverage is essential for disease control. Prepare no more spray mixture than is needed for the immediate operation. Thoroughly clean spray equipment before using this product. Vigorous agitation is necessary to maintain uniformity of the spray mixture. Maintain maximum agitation throughout the spraying operation. **Do not let the spray mixture stand overnight in the spray tank. Flush the spray equipment thoroughly following each use and apply the rinsate to a previously treated area.**

One 3.1 lb. water-soluble pouch of Varsity will treat 10,000 sq. ft.

Precaution: Water-soluble bags of Varsity must be completely dissolved and dispersed in plain water before any other tank mix partner, including micronutrients or other liquid or dry fertilizers, are added to the spray solution. Boron, especially in the form of a micronutrient additive, such as Solubor®, etc., or as a natural component of the mix water, may prevent water-soluble bags from dissolving.

Notes: (1) Do not use with oils or adjuvants. (2) Do not use partial water-soluble bags. (3) Addition of 2.4 oz. of Sprint® 330 per 1,000 sq. ft. to the spray mixture generally enhances turf quality.

Varsity Alone: Add 1/4 of the required amount of plain water to the spray or mixing tank. With the agitator running, drop the required number of **unopened** soluble bags of Varsity into the tank all at once. Continue agitation while adding the remainder of the water. Begin application of the spray solution after the pouches have dissolved, and the material has completely dispersed into the mix water. Maintain agitation until all of the mixture has been applied.

Varsity + Tank Mixtures: Varsity is usually compatible with D.z.n® diazinon, Triumph®, Banner®, Sprint®, Tersan® LSR, Fore®, and Acti-dione TGF®.

Add 1/4 of the required amount of plain water to the spray or mixing tank. With the agitator running, drop the required number of **unopened** soluble bags of Varsity into the tank all at once. Continue agitation while adding the remainder of the water. Allow the bags of Varsity to dissolve and the product to completely disperse into the mix water. Then add the desired amount of products recommended for tank mixture and allow them to become completely dispersed. Continue agitation to maintain a uniform suspension until all of the spray solution has been applied.

If using Varsity in a tank mixture, observe all directions for use, crops/sites, use rates, dilution ratios, precautions, and limitations which appear on the respective tank mix product label. No label dosage rate should be exceeded and the more restrictive of the labels regarding precautions and limitations should be followed. This product cannot be mixed with any product containing a label prohibition against such mixing. Tank mixtures are permitted only in those states where the tank mix partner is registered.

Application Instructions

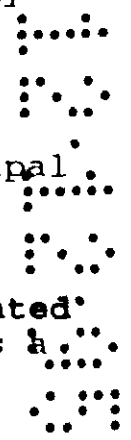
Note: Do not apply this product through any type of irrigation.

Do not make applications when weather conditions favor drift from target area. Avoid spray overlap as turf injury may result.

Turf

For use on golf courses, sod farms, industrial or municipal turf areas, residential lawns, sport fields, and other similar turf areas.

Disease control (Pythium blight, brown patch) as associated with Summer Bentgrass Decline Complex: Apply Varsity as a preventative treatment using one 3.1 lb. bag to treat



80410

10,000 sq. ft. Apply in sufficient water to give thorough coverage. Treat area on a 7-14 day interval.

Note: For control of other diseases of turf, use Banner alone or in tank mix combination with Varsity. Refer to the Banner label for rates, precautions, restrictions, etc.

Precautions: To minimize the potential for insensitivity, (1) Make no more than 3 applications of Varsity per season, and (2) Apply an alternate EPA-registered fungicide for Pythium control at least once during the season.

Rotational Crops

Do not plant any crop which is not registered for use with metalaxyl in metalaxyl-treated soil for a period of 12 months.

Storage and Disposal

Storage - Store in a cool, dry place. Do not store this product under wet conditions. Handle outer container carefully when stored at temperatures less than 50°F to avoid breakage of inner soluble bag.

Pesticide Disposal

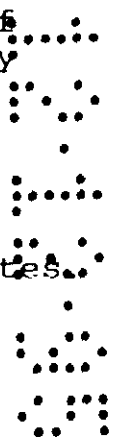
Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Wastes resulting from the use of this pesticide are acutely hazardous. Improper disposal of unused pesticide, spray mixture, or rinsate is a violation of federal law. Pesticide, spray mixture, or rinsate that cannot be used according to label instructions must be disposed of according to federal, state, or local procedures.

For guidance in proper disposal methods, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office.

Container Disposal

Do not reuse outer container. Dispose of empty outer container in a sanitary landfill, by incineration, or, if allowed by state and local authorities, by burning. Stay out of smoke from burning bags.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. In the event of a major spill, fire, or other emergency, call 1-800-888-8372, day or night.



Precautionary Statements

Hazards to Humans and Domestic Animals

DANGER/PELIGRO

Corrosive. Causes irreversible eye damage. May be fatal if swallowed or inhaled. Harmful if absorbed through skin. Do not get in eyes, on skin, or on clothing. Do not breathe spray mist.

Personal Protective Equipment

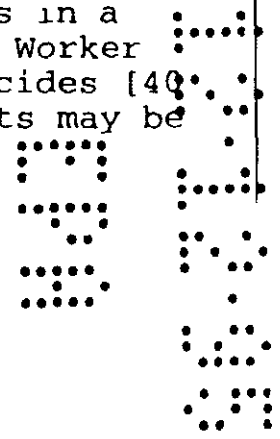
Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- Protective eyewear
- For exposure in enclosed areas, a respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G)
- For exposure outdoors, dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C)

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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.

Engineering Control Statements

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.



User Safety Recommendations

Users should:

- 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.

Environmental Hazards

This product is toxic to fish. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not apply when weather conditions favor drift from treated area. Do not contaminate water when disposing of equipment wash waters or rinsate.

Banner®, D.z.n®, Sprint®, Triumph®, and Varsity® trademarks of Ciba-Geigy Corporation
U.S. Patent No. 4,079,062; 3,867,396; 3,932,629; 4,151,299

Acti-done TGF® trademark of Upjohn Company

Daconil 2787® trademark of ISK BioSciences

Fore® trademark of Rohm and Haas Company

Solubor® trademark of United States Borax and Chemical Corporation

Tersan® LSR trademark of E.I. duPont deNemours and Company, Inc.

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Ciba Crop Protection
Ciba-Geigy Corporation
Greensboro, North Carolina 27419

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