

73417-1

6/26/2002

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U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Biopesticides and Pollution Prevention Division (7511C)  
1200 Pennsylvania Avenue NW  
Washington, DC 20460

EPA Reg. Number:

73417-1

Date of Issuance:

JUN 26 2002

Term of Issuance:

Unconditional

Name of Pesticide Product:

"Woad Warrior"

NOTICE OF PESTICIDE:

Registration  
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Sherman Thomson  
Greenville Farms  
N. Logan, UT 84341

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Biopesticides and Pollution Prevention 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 registration does not eliminate the need for continual reassessment of the pesticide. If EPA determines at any time, that additional data are required to maintain in effect an existing registration, the Agency will require submission of such data under section 3(c)(2)(B) of FIFRA.

This product is registered in accordance with FIFRA section 3(c)(5) and is subject to the following terms and conditions:

1. Make the following modification to your label before you release your product for shipment:
  - a. Revise the registration number to read 73417-1

Signature of Approving Official:

(See second page for signature)

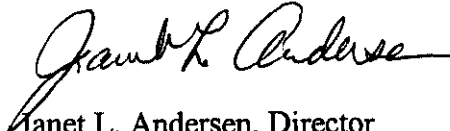
Date:

Registration number: 73417-1

2. Submit two (2) copies of the revised final printed labeling before you release the product for shipment.

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

Sincerely,



Janet L. Andersen, Director  
Biopesticides and Pollution Prevention Division

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# WOAD WARRIOR

For control of *Isatis tinctoria* - dyer's woad

### Active Ingredients:

*Puccinia thlaspeos* 'strain woad' on rust-infected pieces of dyer's woad\* 100%

\*Contains at least  $7.6 \times 10^9$  teliospores / pound of Woad Warrior

KEEP OUT OF REACH OF CHILDREN

## Caution

**First Aid**

**If product gets in eyes:**

- Hold eye open and rinse slowly and gently with water for 5 minutes.
- Remove contact lenses, if present.
- Continue to rinse eyes for 10-15 minutes.
- If eye is still irritated contact a doctor or a poison control center for advice.

**If product is inhaled:**

- Move person to fresh air.
- Call a poison control center or doctor for further treatment advice.
- If person is not breathing, call an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.

### Notes:

- Have the product container or label with you when calling a poison control center or doctor or going for treatment.
- In the event of a medical emergency, you may also contact the National Pesticide Telecommunications Network at 1-800-858-7378.
- See additional precautionary statements.

Net contents: 1 pound

Greenville Farms  
Logan, Utah 84341  
435-753-0075

**ACCEPTED**  
6/26/02

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 73417-1

EPA Reg. No 73417-1

EPA Est. No. 73417-UT-1

## AGRICULTURAL USE REQUIREMENTS:

Use this product 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, greenhouses, and handlers of agricultural pesticides. It also 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 4 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 over short-sleeved shirt and short pants; waterproof gloves; shoes plus socks; and protective eyewear.

## DIRECTIONS FOR USE

### READ ENTIRE LABEL BEFORE USING

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation. 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.

**Characteristics of product:** **WOAD WARRIOR** is a preparation of fungus rust teliospores to aid in the control of dyer's woad (*Isatis tinctoria*). The teliospores germinate under wet conditions and produce basidiospores that are spread by wind and rain-splash to contact and infect woad rosettes (first year plants). The rust incubates inside the rosettes for up to one year and prevents flowering and seed production in the subsequent year. There will be no apparent effect of the application on the plants in the summer after application. Infected plants are yellow and will not flower. The rust is self-perpetuating and will continue to spread for years after the first application.

**General Application Information:** **Farms, Rangeland, Waste areas, Right of ways, Roadsides** - For control of dyer's woad (*Isatis tinctoria*), make the application when first year rosettes are present. This will be in the spring during April and May. It is not necessary to cover the woad rosettes; simply getting **WOAD WARRIOR** in proximity is all that is necessary. Rosettes will become infected but symptoms of rust infection may not be evident until the following spring. A single application per year is all that is usually required. In areas with a high population of dyer's woad, the treatment should be repeated in subsequent years.

**Dry application:** **WOAD WARRIOR** can be used directly as a dry application. Shake or spread the material in areas where woad rosettes are present. Better results will be obtained if applied prior to or during a rain. Application directly on the plants is beneficial but not necessary. The material can be spread by hand or in a mechanical dusting apparatus. Application rates: 7 lbs/acre, 1 lb/6000 square feet or 2.7 oz /1000 square feet.

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS:

#### CAUTION:

Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling.

**PERSONAL PROTECTIVE EQUIPMENT (PPE):** All handlers and other users must wear long sleeved shirt and long pants, waterproof gloves, and shoes plus socks. Mixer/loaders and applicators also must wear a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH-approved respirator with any N, P, R, or HE filter. This requirement may be modified for closed systems, and for applicators in an enclosed cab or aircraft. Follow manufacturer's instructions for cleaning/maintaining PPE. Keep and wash PPE separately from other laundry.

**USER PRECAUTIONS:** Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, users should wash thoroughly and change into clean clothing. Repeated exposure to high concentrations of microbial substances can cause allergic sensitization.

### ENVIRONMENTAL HAZARDS

Do not apply directly to lakes, streams, rivers, or ponds. Do not dump leftover pesticide or rinse water into drains, sewers, or bodies of water.

### MISCELLANEOUS

Applicators must take necessary steps to avoid applying this product to agricultural crops.

**Wet application- water or hydromulch:** WOAD WARRIOR can be mixed with water or a hydromulch mix for spraying. One pound of WOAD WARRIOR mixed with 20 gallons of water or hydromulch mix will cover 6000 square feet. For best results, use the mixture within 6 hours of adding the water. Keep the mixture in continuous agitation when applying. WOAD WARRIOR can be sprayed from the air or the ground using most types of sprayers. However because the particles are insoluble and large, remove screens and the spray orifice to prevent blockage.

**STORAGE AND DISPOSAL:**

**DO NOT CONTAMINATE WATER, FOOD OR FEED  
BY STORAGE OR DISPOSAL**

**Pesticide Storage:** Store product in original container in a cool, dry locked storage place out of reach of children. Ideal storage is between 35-40 F. Keep from overheating. Can be stored for up to 1 year.

**Pesticide Disposal:** Dispose of waste from this product 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:** This product conforms to its description and should be expected to achieve the purpose stated on the label when used in accordance with the directions under normal conditions of use. Manufacturer is not responsible for the use of this product contrary to the label instructions, or under abnormal conditions not reasonable or foreseeable to the manufacturer and/or seller and the buyer assumes the risk of any such use.