



• SINCE 1923 •

# STERILAN II

## WEED & GRASS KILLER GRANULAR NONSELECTIVE

### NON-CROP WEED CONTROL INDUSTRIAL USE ONLY

Sterilan II Granular is a nonselective herbicide for controlling a wide range of annual and perennial weeds and grasses. It is recommended only for non-cropland areas such as railroad rights-of-way, under paved surfaces, and industrial areas. 150 to 400 pound applications of Sterilan II Granular per acre usually result in a nonproductive condition of the soil for a period of a year or more. The duration of non productivity is dependent upon rainfall, soil type, and other conditions. Application with a spoon, a pump-feed backpack spreader or a gravity-feed backpack spreader is prohibited. Sterilan II Granular should be applied as furnished with a seed spreader, a fertilizer spreader, a shaker type applicator, or with any equipment which will distribute the chemical uniformly over the area to be treated. For the control of annual and most perennial weeds and grasses, apply Sterilan II Granular at the rate of 150 to 400 pounds per acre; on smaller plots, 0.35 to 0.92 pound per 100 square feet. The maximum rate per application is 12.0 lbs. diuron a.i. per acre in areas of high rainfall or dense vegetation and 8.0 lbs. diuron a.i. per acre in all other areas. Repeat spot treatment may be required when deep-rooted perennial weeds are present. To obtain the best results, Sterilan II Granular should be applied to the ground where it will be absorbed by the roots. Applications made early in the season have been found to give results superior to applications at a later seasonal date. Sterilan II Granular may, however, be applied at any time of the year except when the

ground is frozen. Maximum effectiveness in arid regions is obtained when application is made just prior to the rainy season. For control of undesirable weeds under paved surfaces, Sterilan II Granular can be used under asphalt and other paved areas in industrial sites or where the pavement has a suitable barrier along the perimeter that prevents encroachment of roots of desirable plants. Users should consult state agricultural experimental stations or extension service weed specialists for recommendations as to use in their particular area.

**IMPORTANT:** Do not apply on or near desirable woody or herbaceous plants or on areas where their roots may extend because of possible injury to such plants. Thoroughly clean spreading equipment with a suitable chemical cleaner before using for other purposes (or do not use same spreading equipment for other purposes). Do not contaminate irrigation ditches or water used for domestic purposes. Do not use on croplands or any land to be used for subsequent cropping. Keep animals off treated areas. Do not re-use this container. Destroy when empty.

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Do not enter or allow others to enter the treated area until dusts have settled.

### ENTRY RESTRICTIONS

Do not enter or allow others to enter the treated area until dusts have settled.

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.

### STORAGE AND DISPOSAL

DO NOT contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Store product in original container only, away from other pesticides, fertilizer, food, or feed.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER HANDLING:** Plastic Bag: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment.

Then offer bag for recycling if available or 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.

### ACTIVE INGREDIENTS:

Tebuthiuron: N-(5-(1, 1-dimethylethyl)-1, 3, 4-thiadiazol-2-yl)-N, N'-dimethylurea . . . . . 1.0%

Diuron: [3-(3, 4-dichlorophenyl)-1, 1-dimethylurea] . . . . . 3.0%

**OTHER INGREDIENTS:** . . . . . 96.0%

**TOTAL:** . . . . . 100.0%

**Sterilan II provides total weed and grass control, and prevents all plant growth for extended periods of time. Use only on areas you prefer bare soil.**

Available in 20 lb and 50 lb bags. Not sold in Colorado.



## PRECAUTIONARY STATEMENTS

### HAZARD TO HUMANS & DOMESTIC ANIMALS

#### CAUTION

Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

Loaders applicators and other handlers must wear:

- Long-sleeved shirt and long pants,
- Shoes plus socks, and
- Chemical resistant gloves made of any waterproof material such as polyethylene or polyvinylchloride.

In addition, applicators using tractor drawn spreaders and all loaders must wear a NIOSH-approved particulate filtering respirator equipped with N, R, or P class filter media. The respirator should have a NIOSH approval number prefix TC-84A. It is recommended that you require the respirator wearer to be fit tested, and trained in the use, maintenance, and limitations of the respirator.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### USER SAFETY RECOMMENDATIONS

Users should wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

#### ENVIRONMENTAL HAZARDS

For terrestrial use, do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollution Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

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 wash waters or rinsate. Apply this product only as specified on this label.

#### GROUND WATER ADVISORY

This product is known to leach through soil into ground water under certain conditions as a result of registered (rangeland and non-crop) uses. Use of this product in areas where soils have rapid to very rapid permeability, particularly where the water table is shallow, may result in ground water contamination.

#### USE RESTRICTIONS FOR GROUND WATER PROTECTION

Vulnerable Sites: To minimize any movement of tebuthiuron to subsurface water, do not exceed the application rates specified below on treatment sites where soils have a sand or loamy sand texture throughout the soil profile and all of the following characteristics:

1. Rapid to very rapid permeability.
2. Absence of well-defined organic layers or a textural B-horizon (restricting layer of fine-textured soil).
3. The water table of an underlying aquifer is shallow.

An aquifer is defined as an "underground saturated, permeable geologic formation capable of producing significant quantities of water to a well or spring". It is the ability of the saturated zone, or portion of that zone, to yield water which makes it an aquifer (American Chemical Society, 1983). Local agricultural

agencies can provide further information on the type of soil in your area and the location of shallow ground water aquifers.

Do not apply Sterilan II in areas where the water table is predominately shallow (5 feet or less), such as marshy or sub irrigated areas, or areas immediately adjacent to streams or lakes which are periodically flooded, unless such use is allowed under a state-approved pesticide management program. Note: Also on such areas, woody plants rooted directly in a shallow water table are minimally affected by applications of tebuthiuron, and poor woody plant control will result.

Do not apply Sterilan II within areas identified by state or local authorities as protected ground water recharge zones.

Use of this product in certain portions of California, Oregon, and Washington is subject to the January 22, 2004 Order for injunctive relief in Washington Toxics Coalition, et. al. v. EP, C01-0132C, (W.D. WA). For further information, please refer to <http://www.epa.gov/espp/wtcl>.

#### CONDITIONS OF SALE

1. Seller warrants that this product consists of the ingredients specified and is reasonably fit for use as directed on the label. No one other than officer of Seller is authorized to make any warrant, guarantee, or direction concerning this product.

2. Because the time, place, rate of application, and other conditions of use are beyond Seller's control, to the extent consistent with applicable law, Seller's liability from handling, storage, and use of this product is limited to replacement of product or refund of purchase price.

**Remove all unwanted weeds and grass in spring or fall. Apply before spring or winter moisture to ensure it's ready to work in the soil when weeds emerge.**

#### DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

For vegetation control by broadcast (ground equipment) and banded applications:

The maximum label rate and frequency of application is 200 lbs. Sterilan II/acre once every three years for vulnerable areas (where soils are sandy and depth to water table is shallow). For all other areas, Sterilan II may be applied one time in a 3-year period at rates up to 400 lbs./acre; however, no more than 600 lbs./acre may be applied in two consecutive treatments in any 6-year period.

Spot treatments (hand-held equipment): Sterilan II may be applied at rates up to the equivalence of 400 lbs./acre when needed.

#### RIGHTS-OF-WAY/NON-CROP AREAS:

Maximum rate per application:

- 12.0 pounds diuron active ingredient per acre in areas of high rainfall or dense vegetation.
- 8.0 pounds diuron active ingredient per acre in all other areas.

Apply a maximum of two applications per year.

Minimum retreatment interval: 90 days.

## CAUTION! KEEP OUT OF REACH OF CHILDREN

### FIRST AID

#### IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

#### IF ON SKIN OR CLOTHING

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

#### IF SWALLOWED:

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

For emergency information, contact **CHEMTREC** at 1.800.424.9300 (24 hours).

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**SEE ADDITIONAL PRECAUTIONARY STATEMENTS**