

Tenoran 50 WP

Tenoran 50 WP

ACCEPTED
5-30-73
UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
FOR C. O. P. M. S. P. U. S. S. I. L. L. A.
ED UNDER NO. 8192-4
100-548

Herbicide

MAY 30, 1973

Transferred to
100-548

SAMPLE LABEL

For weed control in soybeans, strawberries, carrots, dry bulb onions, and celery.

Active Ingredient:
3-[p-(p-chlorophenoxy)phenyl]-1,1-dimethylurea 50%

Inert Ingredients: 50%

Total: 100%

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.

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.

Tenoran 50 WP is a wettable powder.

Caution:

Keep out of reach of children. May be harmful if swallowed. Avoid inhaling dust. Wash hands with soap and water before eating, drinking or smoking. Do not contaminate food or feed. Avoid contact with skin. Wear clean clothing. Wash clothes before reusing. Do not contaminate water by dumping tank washings in ponds or streams. Destroy empty containers by burning. Do not inhale smoke from burning containers.

EPA Reg. No. 8192-4

100-548

General Information

Tenoran 50 WP when applied according to directions will selectively control annual weeds in soybeans, strawberries, carrots and onions, such as:

Annual Grass Weeds

Annual bluegrass Crabgrass
Barnyardgrass Goosegrass
Brachiaria Lovegrass

Annual Broadleaf Weeds

Black nightshade Groundsel
Cocklebur Jimsonweed
Cocklebur Lambsquarters
Florida pusley Morningglory
Puncturevine Pigweed
Purslane Spurry
Ragweed Velvetleaf
Sickletop Wild mustard
Shepherdspurse

Tenoran 50 WP at recommended rates will not control most established perennial weeds.

Tenoran is most effective for the control of weeds after the cotyledons have opened, but before they have reached a height of two inches.

A postemergence application of Tenoran should be made when broadleaf weeds are less than two inches high and grass weeds are no more than 1/2 inch high.

Tenoran 50 WP may cause some temporary yellowing, or burning, or small necrotic spots on strawberry, soybean, carrot, and onion leaves, but this usually lasts for only a short time and the plants resume their normal growth. Do not apply Tenoran 50 WP on crops under stress. Thoroughly re-work soil before planting succeeding crops.

Mixing Instructions

Make certain spray equipment has been thoroughly cleaned before using this product. Tenoran 50 WP should be thoroughly mixed as a paste or thick slurry in a separate container before adding to

the spray tank. The spray tank should contain 1/3 to 1/2 the total amount of water to be used before adding the slurry.

The recommended rate of Tenoran 50 WP should be applied in 25 to 40 gallons of water per acre, using conventional power sprayers, or in a minimum of 5 gallons of water for aerial application. Agitate strongly by mechanical or by-pass means in the spray tank. Avoid leaving spray mixtures in tank without constant agitation. If by-pass agitation is used, it should terminate at the bottom of the tank to minimize foaming. Screen opening should be 50 mesh. Use TeeJet nozzle tips 8002 to 8006, or equivalent.

Band Treatment

For a band treatment of Tenoran, use TeeJet nozzle tips 8002E to 8006E, or equivalent. The following formula may be used to calculate the amount of Tenoran 50 WP needed for band treatment.

$$\frac{\text{band width, inches}}{\text{row width, inches}} \times \frac{\text{rate/acre for broadcast treatment}}{\text{for band treatment}} = \frac{\text{amount needed}}{\text{for band treatment}}$$

Directions for Use

Soybeans plus a surfactant*
Apply Tenoran 50 WP at a broadcast rate of 2.0 to 3.0 pounds per acre. Adjuvan T added at the rate of 1.0 pint per 25 gallons of spray solution (0.5%). Use the higher rate where velvetleaf, cocklebur, or morningglory are present. If Tenoran 50 WP is used without increase the rate to 6.0 pounds per acre. Apply over the top of soybeans or as a semi-directed spray to soybeans using 25 to 40 gallons of water per acre from the time trifoliate leaves form and most broadleaf weeds should be 2 inches high or less. For best results, velvetleaf should be no higher than 1 inch. Grass weeds should be no more than 1/2 a surfactant

inch high. The smaller the weeds, the easier they are to control. For aerial application, apply 2.0 to 3.0 pounds of Tenoran 50 WP in a minimum of 5 gallons of water plus 1.0 pint per acre. Avoid drift onto other crops.

A second application of Tenoran may be made as a semi-directed spray after 7 to 10 days, if necessary.

A non-phytotoxic oil specifically tested and found compatible with Tenoran 50 WP on soybeans may be substituted in the place of a surfactant. Mix 1.0 gallons of the oil in 25 gallons of spray solution and apply as a directed or semi-directed spray on the same schedule as outlined above.

Note:

Do not apply within 120 days of harvest.

Do not graze treated fields with livestock.

Do not make more than two applications to the same crop or field in any one year.

For North Dakota, South Dakota, Wyoming, Nebraska, Kansas, Missouri, Iowa, Minnesota, Wisconsin, Illinois, Indiana, Ohio and Kentucky: If a single application of Tenoran 50 WP at a rate of 2.0 to 3.0 pounds per acre with Adjuvan T is made, the interval between application and harvest may be reduced to 90 days.

Strawberries

Apply Tenoran 50 WP at a broadcast rate of 8.0 pounds per acre. Apply over the top of established plants any time except during the 60 days prior to harvest of strawberries. If good moisture conditions are not prevalent after Tenoran has been applied pre-emergence to the weeds, irrigate as soon as possible after treatment.

*use a surfactant that is approved by EPA for use on food and feed crops and is compatible with Tenoran 50WP when applied to soybeans.

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Tenoran® 50 WP

Established plants—For best results, apply Tenoran 50 WP immediately after renovation of beds in the fall, and repeat treatment in the spring for weed control.

New transplants—Delay applications of Tenoran 50 WP until strawberry plants become established. Otherwise, treat as for established plants.

Nursery stock or strawberry plants grown for propagation—Apply Tenoran 50 WP at any time to control weeds in the same manner as for established plants or new transplants.

Note:
Do not apply within 60 days of harvest.

Do not apply more than 2 applications to strawberries in any one year. Schedule applications in accordance with local conditions.

Consult the local Agricultural Experiment Station or Extension Service.

Carrots
Apply Tenoran 50 WP at a broadcast rate of 6.0 to 8.0 pounds per acre. For preemergence use, irrigate within 2 days if sufficient rain has not fallen to thoroughly wet the soil. Tenoran is not effective as a preemergence herbicide on high organic soils (muck, peat).

For postemergence use, apply over the top of carrots after true leaves form.

Note:
Do not apply within 60 days of harvest.

Not for use in Texas, Arizona, Colorado, Washington, or Idaho.

Dry Bulb Onions
Apply Tenoran 50 WP at a broadcast rate of 6.0 to 8.0 pounds per acre. Use as a postemergence over-the-top spray after onions

have reached the 2 to 3-true leaf stage of growth.

For use in Arizona, California, Colorado, Idaho, Nevada, New Mexico, Oregon, Texas, Utah, and Washington—Tenoran 50 WP should be applied at the broadcast rate of 4.0 pounds per acre plus 1.0% emulsifiable, non-phytotoxic oil with a U. R. No. of 93 or greater which has been tested and found to be compatible with Tenoran 50 WP when applied to onions. For use on mineral soils only. Use as a postemergence, over-the-top application after onions have reached the 2-true-leaf stage of growth. If applied to onions before the 2-leaf stage, serious injury may result. Do not use more than 6.0 pounds Tenoran 50 WP per acre on light sandy soils when sprinkler irrigation is used.

Precaution: Do not use Tenoran 50 WP on onions on light sandy soils with less than 1% organic matter. Do not tank mix other pesticides with Tenoran. Do not apply Tenoran ten days before or after the application of sulfuric acid, Chloro IPC, Diazinon, or maneb fungicides.

Note:
Do not apply within 30 days of harvest.

Celery (Florida and California Only)

Apply Tenoran 50 WP at the broadcast rate of 4.0 pounds per acre plus 1 to 2% emulsifiable, non-phytotoxic oil (NPO) with a UR number of 93 or greater which has been tested and found to be compatible with Tenoran 50 WP when applied to celery. The rate of NPO should be on a volume/volume basis and the treatment should be applied in at least 40 gallons of water per acre.

Post emergence application may

be made over the top of growing celery.

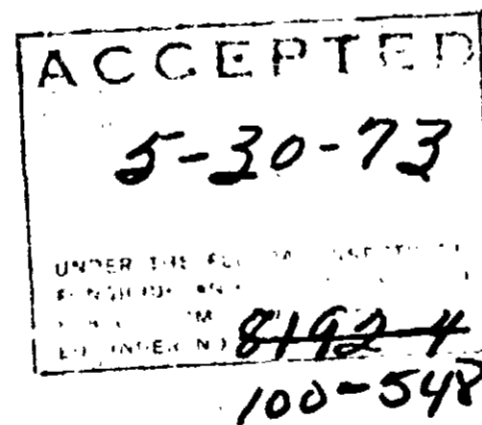
Precaution: Do not apply petroleum solvents (carrot oil, stoddard solvent) to the crop within 2 weeks before or within 3 weeks after the use of Tenoran 50 WP plus NPO.

Note:
Do not apply within 50 days of harvest.

Transplanted celery—Broadcast 4.0 pounds of Tenoran 50 WP plus 1 to 2% NPO over the top of transplanted celery.

Precaution: Do not apply within 2 weeks after transplanting and no later than 6 weeks after transplanting.

Direct Seeded Celery (California Only)—Broadcast 4.0 pounds of Tenoran 50 WP plus 1 to 2% NPO after the celery reaches the 2-true-leaf stage of growth.



Tenoran® trademark of CIBA-GEIGY for chloroxuron
U. S. Patent Nos. 3,060,235 and 3,119,682
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