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HERBICIDE BY  
**AVADEx**  
**BW**  
**GRANULAR**  
**Monsanto**

ACCEPTED  
*September 25, 1972*  
UNDER THE FEDERAL INSECTICIDE  
FUNGICIDE AND RODENTICIDE ACT  
FOR ECONOMIC POISON REGISTERED  
ED UNDER NO. 524-291

*Comment*

Monsanto

NET 50 LBS.



273

REFRIGERATE

# AVADEx<sup>®</sup> BW

## GRANULAR

**ACTIVE INGREDIENTS**  
 S 2,3,3'-Trichloro(4-isopropoxy)-  
 thiocarbamate 10%  
**INERT INGREDIENTS** 90%  
 Contains 10 lbs. of S 2,3,3'-Trichloro(4-isopropoxy)-  
 thiocarbamate per 100 lbs.

Avoid contact with skin, eyes, or clothing.  
 Wash thoroughly after handling.  
 Remove contaminated clothing.  
 Launder clothing before reuse.  
 Avoid contamination of food, feed, and food  
 stuffs.  
 EPA Reg. No. 53,191-AA

Complete instructions for use are on the label.  
 Spraying should be done in the early morning or late afternoon.  
 Do not spray on wet plants and foliage.  
 Do not spray on plants that are under stress or  
 have other diseases or insects.  
**KEEP OUT OF REACH OF CHILDREN.**

This may according to label instructions  
 BENZON COMPANY • AGRICULTURAL DIVISION  
 51101, Bldg. 3301, 6306 U.S.A.



**50** LBS  
 NET WEIGHT

**CAUTION:**  
 DANGEROUS TO MAN AND LIVESTOCK.  
 HARVEST 30 DAYS LATER.

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OPENING 373

**LIMIT OF WARRANTY AND LIABILITY**

Monsanto Company warrants that this material conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the directions for use. This product is sold subject to the understanding that the buyer assumes all risks of use or handling which may result in loss or damage which are beyond the control of the seller, such as, for example, incompatibility with other products, the manner of its use or application, or the presence of other products or materials in or on the soil or crop. **MONSANTO MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY.** The exclusive remedy of the user or buyer and the limit of the liability of Monsanto Company to any other seller for any and all losses, injuries or damages resulting from the use or handling of this product shall be the purchase price paid by the user or buyer for the quantity of this product involved. The buyer and all users are deemed to have accepted the terms of this notice which may not be varied by any verbal or written agreement.

**HOW TO APPLY AND CALIBRATE EQUIPMENT**

Granular Avadex BW must be applied through a ground broadcast applicator such as a grass seed spreader. Specially designed ground applicator or machine capable of applying small quantities of granules evenly.

**GROUND EQUIPMENT:** It is important that the applicator be properly calibrated to deliver the desired amount of Granular Avadex BW to each acre. The amount of granules applied must be uniform. The applicator should be calibrated by spreading granules on a flat surface. The granules should be applied in a uniform pattern. The applicator should be calibrated by spreading granules on a flat surface. The granules should be applied in a uniform pattern. The applicator should be calibrated by spreading granules on a flat surface. The granules should be applied in a uniform pattern.

For example: If a 14 foot applicator is being staked off a distance of 100 feet in the field, collect the granules while driving the desired distance. Check to see that each outlet dispenses the same amount of granules. Combine all samples and weigh. For the above set of conditions the quantities of granules that should be collected for the following recommended rates for broadcast treatment:

Recommended rate per acre. Table with 3 columns: 10 lbs / acre, 12.5 lbs / acre, 15 lbs / acre. Rows: Proper amount to be collected.

If more or less than the desired quantity is collected adjust opening accordingly and again collect the granules while driving the staked off distance. Continue this procedure until the proper amount is delivered.

To calibrate applicators using air pressure to disperse the granules in a direction as outlined by manufacturer.

**AIRPLANE:** For aerial applications attachments designed for applying low volumes of granules must be used. A supply of untreated granules will be furnished each aerial applicator for calibration of his airplane. The following table may be used as a guide in calibration.

Comparative Rates Pounds / Acre. Table with 3 columns: 10 lbs / acre, 12.5 lbs / acre, 15 lbs / acre. Rows: Granular Avadex BW, Untreated Clay.

If 12.5 pounds of Granular Avadex BW is the desired rate, the airplane is properly calibrated when it dispenses 9.4 pounds per acre of the untreated clay. In order to insure uniform aerial application and to avoid overlapping and possible crop injury, it is recommended that 2 Hazmen one at each end of the field be used.

**GENERAL INFORMATION**

Keep Granular Avadex BW bag closed to prevent spills and contamination.

Granular Avadex BW is recommended for wild oat control in barley, durum, spring and winter wheat only. Other crops should not be treated with Granular Avadex BW because injury may occur.

Application equipment must be properly calibrated—application of too much Granular Avadex BW may injure the crop. Application of too little Granular Avadex BW may result in poor wild oat control. Granular Avadex BW may be applied on the soil either in the fall or in the spring before wild oats germinate. If wild oats have emerged in the spring, tillage prior to or following application must be relied upon for their control. Application to a field which is wet, lumpy, rough or matted will result in reduced wild oat control and possible crop thinning. Since the clay carrier used in the formulation minimizes volatility of the chemical, incorporation of the Granular Avadex BW in the fall is not necessary. When applied to stubble ground the granules filter through to the soil, allowing proper timing incorporation of the chemical. When applied in the spring, incorporation should be complete within 48 hours after application and before germination of the wild oats. Recommended rates should be followed in order to:

- 1. Avoid crop injury.
2. Avoid crop loss at harvest.
3. Control wild oats.

When using Granular Avadex BW a crop should be left untreated for 30 days. If results are not satisfactory, the crop should be re-treated after a 30-day interval. If the soil at the time of germination is moist, the number of wild oats that were killed before emergence.

Wild oats are usually killed before emergence, but if they do emerge, they will be killed by the chemical. Granular Avadex BW may be applied to a field with a high stand of wild oats.

Seeding may be done either before or after application, depending on the crop that is to be sown. If seeding is delayed, the reworking of the treated area before seeding will not destroy the effects of the chemical.

Before using, be sure to read the "Caution," "General Information" and "How to Apply" sections of this label.

**NOTE:** Rates of application given on this label are general. Consult the Agricultural Experiment Station or Extension Service. Weed Specialist concerning specific usage, dosages and method of application. Use of Granular Avadex BW in any manner not consistent with label directions can result in serious injury to the crop. Do not combine with insecticides, fungicides and seed with Granular Avadex BW. All deep plow, row cultivators or double disc implements must be completed prior to application. Do not plow following application of Granular Avadex BW. Destroy container when empty.

**NOTE:** Crop thinning in wheat following spring treatments may occur under conditions of heavy rainfall after application and before crop emergence. This injury can be avoided by application after seeding in the spring and minimized WHEN THE SEED IS PLACED 1/2 TO 1 INCH BELOW THE GRANULAR AVADEX BW TREATED SOIL LAYER in spring application before seeding and in fall treatment. Thinning is usually more than offset by tillering and increased yields.

**Do not graze livestock on treated areas.**

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**WHEN TO USE FALL TREATMENT**

Use in the fall on wheat and barley only. When used in the fall Granular Avadex BW should be applied within 2 or 3 weeks before soil freezes and until snow cover occurs. Applications made more than 3 weeks before freeze up may result in reduced effectiveness of the chemical.

**BARLEY**—Apply 12.5 to 15 pounds of granules per acre. (See "How to Apply" Granular Avadex BW section.)

**SPRING AND DURUM WHEAT**—Apply 12.5 pounds on brown soils and 15 pounds on black soils. (See "How to Apply" Granular Avadex BW section.)

- 1. Granular Avadex BW may be applied on either stubble or summerfallow ground and left on the surface over winter. Incorporation following treatment is not necessary.
2. If summerfallow ground must be reseeded in the fall to prevent soil erosion by high winds, Granular Avadex BW should not be applied.
3. In preparing the Granular Avadex BW treated area for seeding in the spring, care must be taken to avoid working the soil any deeper than 2 inches. On both summerfallow and stubble ground, the treated seed preparation and seeding operation should insure sufficient incorporation of the granules. Deep tillage, greater than 2 inches, in heavy soils to dilute the chemical, decreasing wild oat control and increasing the risk of crop injury.

**WINTER WHEAT**—Apply 12.5 to 15 pounds of granules per acre. (See "How to Apply" Granular Avadex BW section.)

- 1. Granular Avadex BW should be applied after seeding in the wheat and before the wheat is planted. Incorporate with a double disc or row cultivator.
2. Apply application until soil temperature is 40 to 45 F.

**SPRING TREATMENT**

**BARLEY**—Granular Avadex BW is recommended AFTER seeding as follows:

- 1. On summerfallow or plowed ground, seed to a depth of 2 to 3 inches.
2. Apply 10 to 15 pounds per acre as soon as possible after planting and before germination of the crop. (See "How to Apply" section.)
3. Incorporate with 2 harrowings at right angles within 48 hours after application. This method of incorporation is not effective if compact soil prevents penetration of harrow depth or if trash or clumps on the harrow sections.

**WHEAT SEEDING METHOD**

- 1. Use 12.5 to 15 pounds Granular Avadex BW per acre. (See "How to Apply" section.)
2. On stubble incorporate with a double disc, row cultivator or harrow controlling the cultivator to a depth of 2 inches as much as possible within 48 hours after application.
3. On summerfallow or plowed ground, 2 harrowings at right angles within 48 hours after seeding is adequate if the soil is loose and free of trash.
4. Seed below the chemically treated layer of soil to a depth of 3 inches any time from immediately after up to 3 weeks after application.

**SPRING AND DURUM WHEAT**—Granular Avadex BW is recommended AFTER seeding only.

- 1. On summerfallow or plowed ground seed to a depth of 2 to 3 inches.
2. Apply 10 to 12.5 pounds per acre as soon as possible after planting and before germination of the crop. (See "How to Apply" section.)
3. On a summerfallow or plowed ground incorporate with 2 harrowings at right angles within 48 hours after application. Two harrowings are adequate incorporation provided the soil is loose and free of trash.
4. On heavy stubble ground, double disc prior to application of Granular Avadex BW and seeding. Two harrowings at right angles with spike tooth harrows within 48 hours of application is adequate incorporation.

AVADEx BW

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