# LIMIT OF WARRANTY AND LIABILITY

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# HOW TO MIX AND APPLY AVADEX BW

Dilute Avadex BW with 5 or more gallons of water per acre for an over-all treatment. Higher volumes approaching 10 gallons per acre will usually result in more uniform spraying and less evaporation, and slightly better wild oat control.

Spraying during winds above 10 miles per hour will result in a loss of Avadex BW below the amount required for good wild oat control.

For best mixing of Avadex BW with water, proceed as follows:

1. Fill the tank approximately three-quarters full with water.

2. Carefully add the proper amount of Avadex BW while mixing.

3. Fill the remaining portion of the tank with water.

- 4. Mix thoroughly again if the solution has been left in the tank for any length of time.
- 5. The sprayer by pass valve should be in operation before and during application.

Before spraying, check all hose connections to see that they are properly secured. Adjust the height of the spray boom in the field to ensure an even distribution of the chemical on the soil. Avoid overtapping of the spray. Pressure should not be above 30 p.s.i. and just high enough to provide a uniform spray pattern. Boomless sprayers should not be used because the distribution of Avadex BW will be too uneven. A field marker or chain should be attached to both ends of the sprayer boom to serve as a marker, thus avoiding overlapping or untreated strips. Overlapping will double the recommended rate and crop injury may result.

Promptly change clothing which becomes wet by accidental spillage or drift from spray. Wash clothing before re-use.

For methods of incorporation, see "Specific Crop Use" section.

### GENERAL INFORMATION

Keep Avadex BW container closed to prevent spills, evaporation and containination. Avadex BW is recommended for use in writer wheat, spring and durum wheat, barley, green peas, field dried peas and tentils only. Other crops should not be treated with Avadex BW because injury may occur.

Spraying equipment must be properly calibrated-application of too much Avadex BW may injure the crop--application of too little Avadex BW may result in poor wild cal control

Avadex BW should be sprayed on the soil before wild oats germinale. If wild oats have emerged, till age prior to spraying must be relied upon for their control

Before applying Avadex BW be sine the soil is in good working condition. This applies particularly to clay soils. Avoid application to a field left in a ridged condition. Application to a field which is wet, lumpy, rough or ridged will result in reduced wild oat control and increased crop thinning.

The incorporation of the chemical into the soil must be completed as soon as possible on the day of spraying. The incorporation should not be deeper than 2 inches, because deeper uncorporation tends to dilute the chemical, decreasing wild out control and increasing the lisk of crop librium.

When summerfallow or plowed ground is being treated, only a single disking (incorporation) is required. If stubble ground with a heavy trash cover is hency treated, or if the soil is wet or humpy, (making proper mixing difficult) a second disking either befure or after spraying is recommended. If the soil is luose and free of trash, incorporation with 2 harrowings at right angles is adequate.

Recommended rates should be followed exactly in order to:

 Avoid crop injury
Control wild oats
When using Avadex BW, a strip should be left untreated for proof of results. Weed control may be evaluated also by removing a surface inch or two of soil at the time of germination to inspect the number of wild oats that were killed before emergence Wild outs are manify killed before emergence, but occasionally and particularly under dry conditions, plants may reach the 3 or 4 leaf stage before they die

Under conditions of prolonged high temperature at the time of wild oat germination, or drought in spring, Avadex BW may not provide the usual high standard of wild oat control.

Seeding may be done either before or after spraying and incorporation, depending upon the crop that is to be sown. If seeding is delayed, shallow rework ing of the treated area before seeding will not destroy the effects of the chemical

Drinkligenze levestrock on treated crops

Do not reuse container. Destroy when empty.

## SPECIFIC CROP USE

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

Avadex BW is not recommended for use in Arizonal

#### BARLEY

Avadex BW is recommended after seeding as follows: After Seeding Method

4. Seed to a depth of 2 to 3 packets

- Apply 1<sup>1</sup>/<sub>4</sub> quarts per acre BFFORE crop emer gence, and before kernel sprouts exceed <sup>1</sup>/<sub>2</sub> inch in length. (See "How to Mix and Apply" section.)
- Incorporate with 2 harrowings at right angles as soon as possible on the day of spraying. This method of incorporation is not effective if compact soil prevents penetration of harrow teeth. or if trash accumulates in the harrow sections.

Before Seeding Method While application after seeding barlevis recommended Avadex BW can also be used before seeding. Hency stubile should be thoroughly tilled either before or after application as follows:

- Apply 1% quarts Avadex BW per acre. (See "How to Mix and Apply" antion.)
- 2. In importate with a cisk type incidenced or cultivator to a depth of 2 inches ne less followed by a harrow as soon as possible on the day of spraying two harrowings at right angles after spraying is adequate incorporation if the soil is hose and free of trash.
- Seed balley BELOW the chemical layer in the soil to a depth of 3 inches, any time from imme diately after, up to 3 weeks after spraying

Application in Fertilizer Solutions - Avadex BW can be used in non-pressure fertilizer, solutions, Continuous applaten of the maxture should be main tained while spraying. Spray the recommended rate of Avadex BW on the soil surface and incorporate as shown for either after seeding or before seeding.

NOTE Crop thimming has been known to occur. This is usually avoided by applications AFTER seeding and minimized in applications before seeding when the seed is placed 15 to 1 inch below the Avadex BW treated soil layer. Thiming is usually more than offset by tillering and increased yields.

#### SPRING AND DURUM WHEAT

Properly incorporated, 1 quart of Avadex BW per arre should provide reasonable wild oal control.

AVABLE BW IS RECOMMENDED AFTER SEEDING ONLY AS FOLLOWS:

- On summerfallow or plowed ground, seed to a depth of 2 to 3 inches. If drilling leaves ridges in loose soil, the field should be harrowed prior to spraying.
- Spray Avadex BW at 1 quart per acre BEFORE crop emergence and before kernel sprouts exceed <sup>3</sup>2 inch in length (See "How to Mix and Apply" section.)
- Incorporate with 2 harrowings at right angles as soon as possible on the day of spraying. Two hirrowings is adequate incorporation if the soil is loose and free of trash.

Application in Fertilizer Solutions—Avadex BW can be used in non-pressure fertilizer solutions. Continuous agitation of the mixture should be maintained while spraying. Spray the recommended rate of Avadex BW on the soil surface and incorporate as shown for after seeding

NOTE—Occasionally some crop thinning may occur, particularly when there is abundant rainfall after spraying, and before crop emergence. Thinning is asually avoided when the seed is placed ½ to 1 inch below the treated Avadex BW suit layer. Thinning is usually more than offset by fillering and increased yields.

#### WINTER WHEAT

Lin the control of fall and early spring germinating wild oats, Avadex BW is recommended either before or after seeding as follows:

#### Before Seeding Method

- E Apply L<sup>1</sup>s quarts per acre. (See "How to Mix and Apply" section.)
- 2 Incorporate with a duck-foot cultivator, springtooth cultivator or similar equipment to a depth of 2 inches or less, followed by a spike tooth harrow as soon as possible on the day of spraying.
- 3 . Seed wheat below the chemical layer in the soil to a depth of  $2^{4}_{\rm c}$  to 3 inches.

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# 4 Do not use on clay knobs (Pacific Northwest).

- Do not use on fields where seeding will be shallow (where seed must be "dusted in" or "fluated on")
- After Seeding Method
- 1. Seed to a depth of 2 to 3 inches.
- Apply 1¼ quarts per acre. (See "How to Mix and Apply" soction.)

Smallest Type Size on package 12 point.

- 3 Incorporale with 2 harrowings at right angles with a spike toolb harrow or a spring toolh cultivator set shallowly, or similar equipment as soon as possible on date of spraying. Adjust cultivator depth so as not to disturb the wheat seed.
- 4. Do not use on clay knobs (Pacific Northwest).
- Do not use on fields that have been shallow seeded (where seed was "dusted in" or "fioated on").
- NOTE: Under conditions of unusually heavy rainfall in late April or May, wild oats germinating during this time may not be controlled. Control of fall and early spring germinating wild oats usually results in a significant yield increase.

# GREEN PEAS, FIELD DRIED PEAS & LENTILS

Avadex BW is recommended either before or after seeding.

### Before Seeding Method

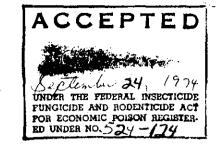
- Apply 1¼ quarts Avadex BW per acre (See "How to Mix and Apply" section.)
- 2. Incorporate with a disk-type implement or cultivator to a depth of 2 inches or less, Iollowed by a harrow as soon as possible on the day of spraying. Two harrowings at right angles after spraying is adequate incorporation if the soil is loose and free of trash. Heavy stubble should be thoroughly tilled either before or after application.
- 3. Seed any time from immediately after, up to 3 weeks after spraying.

NOTE—Leaf crinkling and delayed maturity of peas may occur, particularity on clay points in the Northwest, but they are usually more than offset by a reduction of wild oats.

#### After Seeding Method

- 1. On summerfallow or plowed ground, seed to a depth of 2 to 3 inches.
- Spray Avadex BW at 1¼ quarts per acre soon after seeding. (See "How to Mix and Apply" section.)
- 3. Incorporate as for barley "AFTER seeding".

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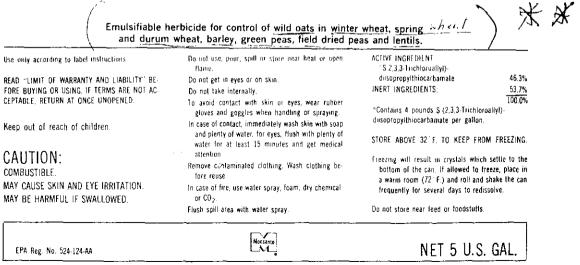




BW

# **AVADEX**®

HERBICIDE BY Monsanto



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