PEANUT - PERENNIAL GRASS SUPPRESSION FOR HARVEST EFFICIENCY

General Information

PRODUCT INFORMATION

CLETHODIM 2E is for use on:

Alfalfa, Artichoke (Globe), Asparagus, Bean and Pea (dry), Bean and Pea (succulent), Broccoli, Bushberry, Cabbage, Caneberry, Canola, Carrot, Cauliflower (and other Head and Stem Brassica Vegetables), Celery, Clover (grown in Idaho, Oregon and Washington only), Conifer, Cotton, Cranberry, Cucumber, Eggplants (and other Fruiting Vegetables), Fallow Land (and other non-producing agricultural areas), Flax, Field Corn, Garden Beet, Garlic, Herbs, Hops, Horseradish (and other Root Vegetables), Legume Vegetables (edible-podded), Lettuce, Head and Leaf (and other leafy greens), Melons (including Cantaloupes and Watermelons), Mint, Mustard Greens (and other Leafy Brassica Greens), Mustard Seed, Non-Bearing Food Crops, Non-Crop or Non-Planted Areas, Onions (dry bulbs and green), Ornamentals, Peaches, Peanuts (including perennial), Peppers (bell and non-bell), Potato, Radish, Rhubarb (and other Leaf Petioles), Safflower, Sesame, Shallots (dry bulbs and green), Soybeans, Squash (including Pumpkins), Strawberry, Sugar Beet, Sunflower, Sweet Potato, Tomato, and Yam (and other Tuberous and Corm Vegetables).

CLETHODIM 2E is not recommended for use on vegetable crops being grown for seed production unless specific use directions are provided in the label.

CLETHODIM 2E is a selective postemergence herbicide for control of annual and perennial grasses. CLETHODIM 2E does not control sedges or broadleaf weeds. In some grass species, repeated use of CLETHODIM 2E (or similar postemergence grass herbicides with the same mode of action) may lead to the selection of naturallyoccurring biotypes that are resistant to these products.
A resistant biotype may be present if poor performance occurs and cannot be attributed to adverse weather or application conditions. This will most likely occur in fields where other control strategies such as crop rotation, mechanical removal, and other classes of herbicides are not used from year to year.

Do not allow CLETHODIM 2E to contact desirable grass crops such as corn, rice, sorghum, small grains, or turf, as these and other grass crops will be injured or killed. Minor leaf spotting may occur on treated plants under certain environmental conditions. New foliage is not affected.

Control Symptoms

A reduction in vigor and growth is evident in treated grass weeds. Early chlorosis/necrosis of younger plant tissue is followed by a progressive collapse of the remaining foliage. Symptoms will generally be observed in 7 to 14 days depending on grass species treated and environmental conditions.

APPLICATION INFORMATION

Application Timing

Apply CLETHODIM 2E postemergence to actively growing grasses according to rate table directions in the label. Do not apply to grass plants under stress from insufficient moisture or cold temperatures, or to grass plants exceeding recommended growth stages as unsatisfactory control may result.

In arid regions where irrigation is used to supplement limited rainfall, CLETHODIM 2E should be applied as soon as possible after an irrigation (within 7 days). In arid regions, a second application of CLETHODIM 2E will generally provide more effective control of perennial grass weeds than a single application. Make second application to actively growing grass 2 to 3 weeks after emergence of new growth.

Cultivation of treated grasses 7 days prior to or within 7 days after application of CLETHODIM 2E may reduce weed control. DO NOT APPLY CLETHODIM 2E if rainfall is expected within one hour, since control may be reduced.

Ground Application

Use a minimum of 5 gallons and a maximum of 40 gallons of spray solution per
acre. Use of sufficient spray volumes and pressure is essential to ensure complete coverage. Under the following conditions a minimum of 10 gallons per acre is required: narrow row soybeans, broadleaf herbicide tank mixes, perennial grasses, volunteer corn, drought or stress conditions, heavy grass pressure or when grasses are at or near maximum height. Failure to use a minimum of 10 gallons per acre under these conditions can result in poor coverage and reduced grass control requiring repeat applications. Spray pressures should reflect a minimum of 30 psi and a maximum of 60 psi at the nozzle. Do not use flood nozzles.

Applications to onions (dry bulbs and green), garlic, and shallots (dry bulbs and green) should be made in a minimum of 20 gallons of spray solution per acre.

Air Application

Use a minimum of 3 gallons of spray solution per acre. As grass or crop foliage becomes dense, increase spray volume up to 10 gallons. For onions (dry bulbs and green), garlic, or shallots (dry bulbs and green): When applying by air do not exceed 8 fl. oz./A in a single application. In California, air applications to onions, garlic or shallots should be made in a minimum of 20 gallons of spray solution per acre.

NOTE: Crop injury may occur when CLETHODIM 2E is applied to onions, garlic, or shallots with aerial equipment.

Spot Treatment

When using hand sprayers or high volume sprayers utilizing hand guns, mix 1/4% to 1/2% (0.33 oz. to 0.65 oz. per gallon) CLETHODIM 2E and treat to wet vegetation, while not allowing runoff of spray solution. For uses requiring crop oil concentrate, include crop oil concentrate at 1% (1.3 oz. per gallon) by volume. For uses requiring non-ionic surfactant, include non-ionic surfactant at 1/4% (0.33 oz. per gallon) by volume.

NOTE: If CLETHODIM 2E is applied as a spot treatment, care should be taken to not exceed the maximum rate allowed on a “per acre” basis or crop injury may occur.

RESTRICTIONS AND LIMITATIONS

- Do not apply if rain is expected within 1 hour of application as unsatisfactory control may occur.
- Do not apply a postemergence broadleaf herbicide within one day following application of CLETHODIM 2E or reduced grass control may result.

- CLETHODIM 2E is not recommended for use on vegetable crops being grown for seed production unless specific use directions are provided.

- For canola, do not apply more than 6 fl. oz. of CLETHODIM 2E (0.08 lb. ai) per acre per season. For clover, flax, mustard seed and radish crops, do not apply more than 16 fl. oz. of CLETHODIM 2E (0.25 lb. ai) per acre per season. For all other crops, do not apply more than 32 fl. oz. of CLETHODIM 2E (0.50 lb. ai) per acre per season. Application on Long Island, New York, is restricted to no more than 16 fl. oz. of CLETHODIM 2E (0.25 lb. ai) per acre per season.

- Do not apply more than 8 fl. oz./A of CLETHODIM 2E per application to the following crops: asparagus, brassica vegetables (head and stem), bean (succulent), carrot, cranberry, cucurbits, flax, fruiting vegetables (except tomato), garden beet, green onion, herbs, hops, leaf petioles, leafy brassica greens, leafy greens, legume vegetables (edible podded), non-bearing food crops, pea (shelled), pea (succulent), root vegetables, safflower, sesame and strawberry. Do not apply more than 6 fl. oz./A of CLETHODIM 2E per application to canola, or mustard seed. For all other crops, do not apply more than 16 fl. oz. of CLETHODIM 2E (0.25 lb. ai) per acre per application. Exceeding these directions may result in unacceptable crop injury.

- Do not apply under conditions of stress. Applying CLETHODIM 2E under conditions that do not promote active grass growth will reduce herbicide effectiveness. These conditions include drought, excessive water, extremes in temperature, low humidity and grasses either partially controlled or stunted from prior pesticide applications. Grasses under these kinds of stressful conditions will not absorb and translocate CLETHODIM 2E effectively, and will be less susceptible to herbicide activity.

- Best perennial grass control can be obtained if rhizomes or stolons are cut up by preplant tillage practices (discing, plowing, etc.) to stimulate maximum emergence of grass shoots. Cultural practices, such as continuous no-till in which the perennial grass rhizomes or stolons are not cut up, result in a very staggered, non-uniform weed emergence. Due to this non-uniform weed emergence, no fewer than two CLETHODIM 2E applications per season per year are recommended at the appropriate weed-growth stage rate under continuous no-till conditions.
- Grass crops such as corn, rice, sorghum, small grains, or turf, etc. are highly sensitive to CLETHODIM 2E.

- While all vegetable crops on the label have been tested and are tolerant to CLETHODIM 2E, not all specialty varieties of these crops have been tested. It is advised that, before applying CLETHODIM 2E to specialty varieties of vegetable crops on the label, crop tolerance be investigated first using a small section of the field. It is possible that injury symptoms can occur. Symptoms may appear as leaf speckling or stunting.

- Always read and follow the restrictions and limitations for all products whether used alone or in a tank mix. The most restrictive labeling of any product used applies in tank mixtures, including all crop rotational and other crop restrictions.

- Tank mixes of CLETHODIM 2E and broadleaf herbicides may result in reduced grass control. If grass regrowth occurs, an additional application of CLETHODIM 2E may be necessary.

Limitations, Restrictions, and Exceptions

PEANUT

Weed stage: Up to and including grasses in the seedhead stage.

Do not apply as part of a tank mix when applying CLETHODIM 2E for grass suppression.

Add a crop oil concentrate at 1 qt./A by ground to the finished spray volume.

RECOMMENDATIONS FOR PERENNIAL GRASSES

- Make applications only to actively growing grasses at recommended weed heights.

- Apply when the first grass weed species in a mixed grass weed population reaches the recommended growth stage for treatment.

- Use the high rate when grasses are at maximum height and/or under heavy grass pressure.

NOTE:
- Control of quackgrass, perennial bluegrass and bentgrass with CLETHODIM 2E may be enhanced by adding AMS at 2.5 to 4.0 lbs./acre.

- Please refer to the table on the label for specific weed height.

Method

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<td>Broadcast/Foliar Ground</td>
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Rates

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Restricted Entry Interval

24 hours

Timings

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