

## **FLAX (NOT FOR USE IN CALIFORNIA) - PERENNIAL GRASS**

### General Information

#### GENERAL INFORMATION

##### Not for use in California

Select Max is a selective postemergence herbicide for control of annual and perennial grasses. Select Max does not control sedges or broadleaf weeds.

##### Control Symptoms

Treated grass weeds show a reduction in vigor and growth. 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 after application, depending on grass species treated and environmental conditions.

#### APPLICATION INFORMATION

##### Timing of Applications

Apply Select Max postemergence to actively growing grasses according to rate table recommendations.

Applications made to grass plants stressed by insufficient moisture, hot or cold temperatures, or to grass plants exceeding recommended growth stages may result in unsatisfactory control. Do not apply under these conditions.

In arid regions where irrigation is used to supplement limited rainfall, Select Max should be applied, as soon as possible, after a irrigation (within 7 days).

In arid regions, a second application of Select Max 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 Select Max may reduce weed control.

## Ground Application

Use of sufficient spray volumes and pressure is essential to ensure complete coverage. Use a minimum of 5 gals and a maximum of 40 gals of spray solution per acre. Under the following conditions a minimum of 10 gals per acre is required: ultra narrow row cotton, 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 gals 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 bulb), garlic or shallots (dry bulb) should be made in a minimum of 20 gals of spray solution per acre.

## Air Application

Use a minimum of 3 gals of spray solution per acre unless otherwise directed in the label. Increase spray volumes up to 10 gals as grass or crop foliage becomes dense. For onions (dry bulbs), garlic or shallots (dry bulb): When applying by air do not exceed 16 fl oz/A in a single application. In California, air applications to onions, garlic or shallots should be made in a minimum of 20 gals of spray solution per acre. In states other than California, air application to onions, garlic or shallots should be made in a minimum of 10 gals of spray solution.

NOTE: Crop injury may occur when Select Max is applied to onions, garlic or shallots with aerial equipment.

## Spot Treatment

When using hand sprayers or high volume sprayers utilizing hand guns, mix 1/3 to 2/3% (0.44 oz to 0.85 oz per gal) Select Max 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 gal) by volume. For uses requiring non-ionic surfactant, include non-ionic surfactant at 1/4% (0.33 oz per gal) by volume.

NOTE: If Select Max 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

### GENERAL

- Do not apply if rain is expected within 1 hour of application, as control may be unsatisfactory.
- Do not plant rotational crops until 30 days after application of Select Max unless crop is listed on Select Max label.
- Do not apply a postemergence broadleaf herbicide within one day following application of Select Max or reduced grass control may result.
- Select Max is not recommended for use on vegetable crops being grown for seed production unless specific use directions are provided.
- Do not apply under conditions of stress. Applying Select Max 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 Select Max effectively, and will be less susceptible to herbicide activity.

- Application on Long Island, New York, is restricted to no more than 32 fl oz of Select Max (0.25 lb ai) per acre, per season.

Optimal 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-tillage in which the perennial grass rhizomes or stolons are not cut up, results in a very staggered, non-uniform weed emergence. Due to this non-uniform weed emergence, no fewer than two Select Max 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 Select Max.

While all the vegetable crops on the label have been tested and are tolerant to Select Max, not all specialty varieties of these crops have been tested. It is advised

that, before applying Select Max 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 Select Max and broadleaf herbicides may result in reduced grass control. If grass regrowth occurs, an additional application of Select Max may be necessary.

## RESISTANCE MANAGEMENT

Select Max is a Group 1 herbicide. Any weed population may contain or develop plants naturally resistant to Select Max and other Group 1 herbicides. Weed species with acquired resistance to Group 1 may eventually dominate the weed population if Group 1 herbicides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by Select Max or other Group 1 herbicides. Repeated use of Select Max (or similar postemergence grass herbicide with the same mode of action) may lead to the selection of naturally occurring biotypes that are resistant to these products in some grass species.

If poor performance occurs and cannot be attributed to adverse weather or application conditions, a resistant biotype may be present. This is most likely to 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.

To delay herbicide resistance consider:

- Avoiding the consecutive use of Select Max or other target site of action Group 1 herbicides that have similar target site of action, on the same weed species.

- Using tank mixtures or premixes with herbicides from different target site of action groups as long as the involved products are all registered for the same use, have different sites of action, and are both effective at the tank mix or prepack rate on the weed(s) of concern.
- Basing herbicide use on a comprehensive IPM program.
- Monitoring treated weed populations for loss of field efficacy.
- Contacting your local extension specialist, certified crop advisors, and/or manufacturer for herbicide resistance management and/or integrated weed management recommendations for specific crops and resistant weed biotypes.

#### Limitations, Restrictions, and Exceptions

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Rates higher than 16 fl oz/A may be applied in certain geographic areas, cropping situations or environmental conditions, where experience has shown that higher rates are needed for satisfactory control of annual grasses. In these situations, rates from 16 to 32 fl oz/A may be applied. Do not apply more than 16 fl oz/A of Select Max Herbicide with Inside Technology per application to the following crops: garden beets, broccoli, cabbage, carrot, cauliflower (and other head and stem brassica vegetables), celery, cranberry, cucurbits, flax, fruiting vegetables (except tomato), leaf lettuce, radish (and other root vegetables), rhubarb (and other leaf petioles), strawberry and non-bearing food crops. Do not apply more than 12 fl oz/A of Select Max Herbicide with Inside Technology per application to canola or mustard seed.

##### Adjuvant Recommendation:

Non-ionic surfactant (NIS) in this case refers to an adjuvant containing at least 80% non-ionic surfactant. Crop oil concentrate in this case refers to both crop oil concentrate and crop oil concentrate blends. Acceptable crop oil concentrates would be those that contain a minimum of 80% oils and 15% emulsifier. Acceptable crop oil concentrate blends would be those that contain a minimum of 60% oils and 25-40% surfactants and emulsifiers. A crop oil concentrate must contain either a petroleum or vegetable oil base and must meet all the following criteria: be non-phytotoxic, contain only EPA-exempt ingredients, provide good mixing quality and be successful in local experience. Highly refined vegetable oils have proven more

satisfactory than unrefined vegetable oils.

- NIS at 0.25% v/v

Ammonium Sulfate Recommendation:

(Use spray grade ammonium sulfate. The use of ammonium sulfate does not take the place of the required adjuvant.)

- None

Special Use Instructions And Restrictions:

- Apply prior to bloom. Crop injury may occur when Select Max Herbicide with Inside Technology is applied during the bloom period.
- For repeat applications make on a minimum of a 14 day interval.

USE DIRECTIONS FOR PERENNIAL GRASSES (ALL CROPS)

- Apply 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 under heavy grass pressure and/or when grasses are at maximum height.
- Do not exceed the maximum per application rate listed in Table 1, CROP SPECIFIC USE DIRECTIONS, RESTRICTIONS AND LIMITATIONS FOR SELECT MAX HERBICIDE WITH INSIDE TECHNOLOGY.

Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

Pre-Harvest Interval

60 days

Rates

[field\\_rates 0](#)

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Restricted Entry Interval

24 hours

Timings

Postemergence (Weed)

prebloom