

BULB OR FIBROUS ROOT CROPS - EASTER LILY (DRENCH)

General Information

GENERAL INFORMATION

- ABIDE is a plant growth regulator for use on commercially grown ornamental plants grown in containers in nurseries, greenhouses etc.
- ABIDE reduces internode elongation, resulting in more desirable compact plants.
- ABIDE produces no phytotoxic effects when used as directed.
- ABIDE can be applied by spray or drench.
- Under certain conditions, ABIDE may be most effective when applied in sequential applications.
- Consistently agitate the spray/drenching solution of ABIDE to ensure uniform distribution during application.
- ABIDE does not require the addition of wetting agents.
- ABIDE is an extremely effective compound. DO NOT REUSE POTS, TRAYS, OR OTHER CONTAINERS THAT PREVIOUSLY HELD PLANTS OR SOIL TREATED WITH ABIDE.
- The efficacy of ABIDE is affected by environmental and cultural conditions. Conditions causing vigorous growth require higher rates of ABIDE to achieve the desired effect. Temperature is particularly important in this respect.
- Response to ABIDE treatments varies with species and variety.

APPLICATION TECHNIQUES

SPRAY APPLICATIONS

When applying ABIDE by spray, it is important that:

- DO not use spray applications in shadehouses or nurseries.
- Excessive spray solution is not applied as ABIDE is active through both root and stem uptake.
- Uniform coverage of all plants is achieved.
- ABIDE is not applied with wetting agents as crop injury may occur.
- Maximum specified application rates must never be exceeded.

Sequential applications using 50-100% of the lowest specified application rate can provide more uniform growth effects and also guard against overdosing. This is particularly true when cooler temperatures or lower light conditions occur.

Bench Area Sprays

Generally, the spray volume for small plants in small containers or plug trays which are closely spaced should be 2 qts./100 sq. ft. (1/2 gallon) of bench space. For larger plants with a well developed canopy, a spray volume of 3 qts./100 sq. ft. (3/4 gallon) of bench space is should be used. Refer to Table 1 for appropriate spray volume for desired rate of ABIDE.

Individual Plant Sprays

Spray foliage to the point of runoff when treating individual plants. When applying ABIDE to individual plants, it is important that uniform coverage of all plants is achieved.

DRENCH APPLICATIONS

Drench applications of ABIDE tend to be the most effective in reducing plant height and producing a uniform effect. Drench applications can be made, without phytotoxic effects, late in the growing cycle, at or near the point that marketable size is reached. Drench applications can be made indoors or outdoors.

When applying ABIDE by drench, it is important that:

- Applications are made to moist, but not wet potting media.

- Uniform distribution of drench is achieved.
- No more than 10% run through of solution occurs.
- Regard is paid to the growing media. Media containing pine bark may reduce the effectiveness of ABIDE, thus requiring the use of higher application rates.
- Maximum specified application rates must never be exceeded.

Table 2 provides a guide to determining the appropriate drench volume needed for the specified pot sizes based on the capacity of a 6 inch 'Azalea' type pot. Individual pots vary in style and depth and thus capacity. Growers must determine the appropriate concentration and volume of drench to apply according to the pot volume, media and species/variety of plant considered.

Limitations, Restrictions, and Exceptions

BULB OR FIBROUS ROOT CROPS

Apply ABIDE by spray or drench. Spray applications of ABIDE are the least desirable method for controlling plant height and should always be applied sequentially to maximize uniformity of the crop. Drench applications of ABIDE are very effective.

Drench: Plants may be treated from emergence to 12 inches in height.

For optimum results, treat at 2 to 6 inches in height.

NR – Use is not recommended.

- For plant species not specifically listed in Table 5, growers should determine optimum rates by conducting initial trials on a small number of plants starting with rates ranging from 1 to 4 ppm active ingredient for drench application or 50 ppm active ingredient for sprays.

- ABIDE may not provide satisfactory growth control on the following Dahlia varieties: Siemen, Doornbosch and Honey.

Method

[Drench](#)

Rates

field_rates 0

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Restricted Entry Interval

12 hours

Timings

From emergence to 12 inches in height.