

# **FOR PROMOTION OF PLANT GROWTH IN BEDDING PLANTS, ANNUAL AND PERENNIAL POTTED CROPS, FIELD-GROWN ORNAMENTALS AND BULB CROPS**

General Information

## **PRODUCT INFORMATION**

Fascination PGR is an extremely active plant growth regulator. Care must be used in measuring, diluting, and applying Fascination PGR.

A foliar application of Fascination PGR supplies plants with an additional source of the naturally-occurring plant hormones, gibberellin and cytokinin. Gibberellin and cytokinin are involved in nearly all processes of plant development. Together, gibberellin and cytokinin promote a number of desirable effects, including preventing leaf yellowing and delaying flower senescence in lilies.

Additionally, gibberellin applications have been shown to increase flower size, to reduce the minimum temperature required to initiate plant growth, to initiate flowering, and to overcome bud and seed dormancy. Cytokinins are involved in cell enlargement, tissue differentiation, chloroplast development, the stimulation of cotyledon growth, the delay of aging in leaves, and many other aspects of plant development.

## **GENERAL INSTRUCTIONS**

An effective dose of Fascination PGR is strongly dependent on application volume. Plant response can vary if a given rate is applied at different spray volumes. Uniformity of spray solution is equally important. For foliar applications uniformly apply 2 quarts of finished spray solution to 100 sq. ft. of bench area.

Differences in plant response to Fascination PGR due to differences in plant surfaces, leaf orientation, and plant structure are possible. Extreme temperatures can influence plant response to Fascination PGR. Apply Fascination PGR during morning or late afternoon hours when drying conditions are slower, and when plants are not under environmental stress.

Tank-mixing of this product with any other product, which is not specifically and

expressly authorized by the label, shall be the exclusive risk of the user, applicator and/or application advisor.

## DETERMINING OPTIMAL APPLICATION RATES

Fascination PGR contains equivalent portions of 6-Benzyladenine (6BA) and Gibberellin (GA4+7). The rates given on the label are rate ranges and an optimum Fascination PGR rate depends on desired expectations, and physical and environmental factors. Specific growing practices such as watering, potting media, fertilization, temperature, and light conditions will affect plant responses to a given Fascination PGR rate.

Results from Fascination PGR applications are dependent upon timing, rate, frequency of application, and plant vigor at application, and plant tissues that are sprayed. To determine optimum use-rates, conduct trials on a small number of plants under actual use conditions using the lowest indicated rate.

### Limitations

- Do not apply to plants under pest, nutritional, or water stress. Fascination PGR will not correct or substitute for treatment of pest, nutrient, or water stresses, all of which may result in lower leaf yellowing as a symptom.
- The active ingredient in Fascination PGR is not readily translocated throughout the plant following applications. Thus, plant parts not covered with Fascination PGR will not be affected.
- Do not apply this product through any type of irrigation system.
- Avoid drift onto non-target species or plant tissues.
- Do not mix Fascination PGR with pesticides or fertilizers.
- Over-application results in accelerated growth and excessive elongation.
- Do not apply Fascination PGR to any food crop.
- Do not reuse soil or media from plants treated with Fascination PGR.

## MIXING INSTRUCTIONS

Foliar Applications: Always make sure application equipment is thoroughly clean

before mixing. When preparing Fascination PGR for use as a foliar spray, fill tank to one half full. Add the determined optimal amount of Fascination PGR according to the rate conversion table below. Complete filling the tank.

#### Limitations, Restrictions, and Exceptions

#### APPLICATION INSTRUCTIONS FOR PROMOTION OF PLANT GROWTH IN BEDDING PLANTS, ANNUAL AND PERENNIAL POTTED CROPS, FIELD-GROWN ORNAMENTALS AND BULB CROPS

(Not for use in California)

Apply Fascination PGR to bedding plants, annual and perennial potted crops, and bulb crops to promote plant growth and stem elongation. Applying Fascination PGR can dramatically promote stem elongation of most dicot and monocot plants. Additionally, utilize a foliar Fascination PGR application to overcome over-application(s) of a gibberellin-inhibiting plant growth regulator. In most cases, Fascination PGR does not increase the number of leaves formed; stem elongation is due to increased internode length. Therefore, it is important to avoid an over application that will result in a stretched appearance and lower plant quality. Fascination PGR does not substitute for good crop culture.

- When applying Fascination PGR to promote plant growth, start with 1 ppm unless previous experience warrants higher use-rates. The most common rates for using Fascination PGR to promote plant growth and stem elongation are 3/3 to 5/5 ppm.

- If desired results are not evident, reapplication or an increase in rate is often warranted. However, wait a minimum of 5 days to reapply Fascination PGR to previously treated plants.

#### RATE

1/1 to 25/25 ppm (6BA/GA4+7): Refer to Table 8.1 of the Label for the rate conversion.

#### Method

[Foliar spray](#)

#### Rates

[field rates 0](#)

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Restricted Entry Interval

4 hours

Timings

[Apply directly to plant foliage](#)