

POME FRUITS - FOLIAR APPLICATION

General Information

GENERAL INFORMATION

REGALIA PTO is an extract from the plant Reynoutria spp. for use on edible crops, ornamental plants and turf. REGALIA PTO applied to actively growing plants (see DIRECTIONS FOR USE) will improve plant health, and will help make the treated portions resistant to certain plant diseases. Use REGALIA PTO as a preventative rather than a curative application. Apply prior to disease infestation to protect the growing leaf tissue. See specific information for diseases controlled and use rates on edible crops, ornamental plants and turf.

REGALIA PTO can be used as a plant dip, soil drench, or applied through drip irrigation to control or suppress certain soilborne diseases and to promote healthy root growth.

MODE OF ACTION

The extract obtained from Reynoutria spp. plant material contains active chemical compounds. The extract, when applied to the host plant, increases the plant's defense system due to a five-fold increase in phenolics and antioxidants, and strengthens cell walls. This induced resistance against important diseases is not systemic, but provides some translaminar protection. Repeat foliar applications at 7-14-day intervals to maintain induction and to protect new plant growth. The resistance induction takes place within one to two days.

Use REGALIA PTO, therefore, as a preventative treatment.

AERIAL APPLICATION INSTRUCTIONS

Apply REGALIA PTO by aerial application to the plants listed at the rate of 1 quart per acre in a minimum of 5 gallons of water per acre unless specified differently in the APPLICATION RATES section. Increasing the amount of water applied per acre may improve product performance. Follow all instructions to reduce aerial drift.

PRE-PLANT DIP USE DIRECTIONS

REGALIA PTO can be applied as a pre-plant dip for improved plant health and suppression of certain soil-borne diseases.

Apply REGALIA PTO in 1–3 quarts product per 100 gallons of water as a pre-plant dip immediately prior to transplanting, unless specified differently in the APPLICATION RATES section.

SOIL TREATMENT USE DIRECTIONS

REGALIA PTO can be applied by soil drench to improve plant health and to protect against certain soil-borne diseases.

In general, REGALIA PTO can be applied by the following methods, unless specified differently in the APPLICATION RATES section:

Soil Drench Applications:

Apply REGALIA PTO at a concentration of 1–3 quarts per 100 gallons of water, and at a sufficient rate to thoroughly soak the growing media and root zone. Make an initial application of REGALIA PTO during or shortly after transplant to reduce transplant shock, suppress soil-borne diseases and improve root growth. Multiple drench applications can be made on a 10–14-day interval.

In-Furrow Applications:

At planting, apply REGALIA PTO as an in-furrow spray at the rate of 1–4 quarts per acre or 2.2–8.8 fluid ounces per 1000 feet of row according to the chart below. Apply REGALIA PTO in 5 to 15 gallons of water so as the spray is directed into the seed furrow just before the seeds are covered.

See label for the In-Furrow Application Rates per row spacing.

APPLICATION RATES

REGALIA PTO used as specified will improve plant health, and induce the defense system of the treated plants listed towards the diseases specified below.

The general recommended use rate for REGALIA PTO applied alone or as an alternate spray is 2–4 quarts per 100 gallons of water (0.5–1.0% v/v dilution of

REGALIA PTO) applied at 50–100 gallons of water per acre. When tank mixed with another fungicide, the use rate for REGALIA PTO is 1–4 quarts in 100 gallons of water applied at 50–100 gallons of water per acre.

Use higher water volumes with larger sized crops and extensive foliage in order to secure thorough coverage. See specific application recommendations for additional details.

For greenhouse application, the recommended use rate for REGALIA PTO is 2–4 quarts in 100 gallons of water (0.5–1.0% v/v dilution of REGALIA PTO) sprayed until just before point of runoff. When tank mixed with another fungicide, the use rate for REGALIA PTO is 1–4 quarts in 100 gallons of water. Repeat at 7–14-day intervals as needed. See specific application recommendations for additional details.

This product may be used to control certain diseases of container, bench, flat, plug, bed, or field-grown ornamentals and edible crops in greenhouses, shade-houses, outdoor nurseries, retail nurseries, and other landscape areas.

For greenhouse application on the crops and diseases listed, the recommended use rate for REGALIA PTO is 2–4 quarts in 100 gallons of water (0.5–1.0% v/v dilution for REGALIA PTO) sprayed until just before point of runoff. When tank mixed with another fungicide, the use rate for REGALIA PTO is 1–4 quarts in 100 gallons of water. Repeat at 7–14-day intervals as needed. See specific application recommendations for each crop for additional details.

Limitations, Restrictions, and Exceptions

POME FRUITS

For foliar applications, apply this product in 50–100 gallons of water per acre. Begin applications when conditions are conducive to disease development but not prior to petal fall. Repeat applications on 7–10-day intervals. Additional sprays beyond second cover may be needed on susceptible varieties, or when environmental conditions are conducive to rapid disease development. Use high label rate and shorter spray intervals when conditions are conducive to rapid disease development.

Fire Blight–For suppression, apply 1–2 quarts of this product in 50–100 gallons of water per acre beginning at petal fall. For maximum control, use this product prior to infection events. During periods of rapid development and frequent infection

periods, use spray intervals of 3–7 days.

Apply in sufficient water to provide full coverage. For improved performance, use this product in a rotational program with antibiotics registered for Fire Blight control such as but not limited to oxytetracycline or streptomycin.

Proper orchard cultural practices are essential to eliminate Fire Blightinfected tissue from the orchard to assure good performance of any crop protection product. Care must be taken to remove and destroy dead and diseased wood from the orchard prior to and during the growing season.

Scab – For suppression, apply 1 quart of this product in 50–100 gallons of water per acre at green tip and through bloom when environmental conditions become favorable for primary Scab development and repeat on a 7–10-day interval or as needed. Use this product in a tank mix or rotational program with other fungicides labeled for Scab control. Following bloom, this product can be applied at 2–4 quarts per acre.

Use caution when selecting spray adjuvants. Select only those adjuvants which through prior experience do not affect fruit finish when combined with this product.

Dilute applications: this product can be applied by ground equipment to tree crops in dilute applications of 100–400 gallons of water. Apply this product at a rate of 2–4 quarts per acre when applied alone, or at 1–4 quarts per acre when tank mixed with another fungicide. Avoid excessive amounts of water that result in the runoff of spray material.

Method

[Foliar spray](#)

Rates

[field rates 0](#)

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Restricted Entry Interval

4 hours

Timings

[When conditions are conducive to disease development but not prior to petal fall.](#)