

Plant Growth Regulator Solution

Accel Plant Growth Regulator Solution®

GUARANTEE:

N-(Phenylmethyl)-1 H-purine-
6-amine 1.80%
Gibberellins A₄A₇ 0.18%

COMMERCIAL

REGISTRATION NO.: 24593 PEST CONTROL PRODUCTS ACT



CAUTION POISON

WARNING EYE IRRITANT
KEEP OUT OF REACH OF CHILDREN
READ THE LABEL BEFORE USING

Net Contents: 1 L

Valent BioSciences Corporation
870 Technology Way
Libertyville, Illinois 60048
USA-800-323-9597

Valent BioSciences Canada, Ltd.
40 King Street West
Toronto, Ontario M5H3C2

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NOTICE TO USER:

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the Pest Control Products Act to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

PRECAUTIONS:

WARNING EYE IRRITANT. Do not get in eyes or on skin. Do not contaminate ponds, lakes, rivers, and streams.

- Wear long pants, a long-sleeved shirt, and shoes, plus socks, during mixing/loading, application, clean-up, and repair activities. In addition, wear chemical-resistant gloves during mixing/loading, clean-up, and repair activities.
- Do not re-enter or allow re-entry into treated areas until 12 hours after application.

ENVIRONMENTAL HAZARD

- Do not apply directly to aquatic habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, or wetlands) and estuarine/marine habitats. Do not contaminate the above aquatic habitats when cleaning and rinsing spray equipment or containers.

FIRST AID

IF SWALLOWED, call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING, take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

IF IN EYES, hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

Take container, label, or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION: Treat symptomatically.

DISPOSAL

Do not reuse this container for any purpose. This is a recyclable container and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site: triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill and for clean-up of spills.

DIRECTIONS FOR USE:

General Information:

Observe a minimum interval to harvest of 28 days after treatment.

Accel Plant Growth Regulator Solution Plant, containing as active ingredients Gibberellins A₄A₇ and Benzyladenine, is especially formulated to achieve thinning of apples. The desired thinning effect is obtained as a result of one or two post-bloom applications of the recommended dose of Accel Plant Growth Regulator Solution. In addition to achieving thinning, Accel Plant Growth Regulator Solution may also increase fruit size in some varieties.

Application Instruction:

DO NOT apply this product through any type of irrigation system.

DO NOT APPLY BY AIR.

DO NOT use NAA (Naphthalene acetic acid) in any Accel Plant Growth Regulator Solution thinning program.

One or two applications of 1.5 to 4 liters of Accel Plant Growth Regulator Solution per hectare should be made when king fruitlets are approximately 5 to 10 mm in diameter (NOTE: this period may extend from approximately 7 to 21 days after full bloom, depending on the apple variety and local weather conditions).

Refer to the RATE CONVERSION TABLE for recommended use rates of Accel Plant Growth Regulator Solution. Do not exceed 76 grams of N-(Phenylmethyl)- 1 H-purine-6-amine (4 liters of Accel Plant Growth Regulator Solution) per hectare per application. **Consult your local Valent BioSciences agricultural specialist, extension specialist, or Farm Advisor for specific use rate recommendations for the apple varieties in your area.**

Accel Plant Growth Regulator Solution should be applied in 500 to 2000 liters of final spray solution per hectare. As with most growth regulator products, timing and total grams of active ingredient per hectare are the two major factors that determine the magnitude of the response, however, the amount of water used per hectare should be maintained at a point that ensures uniform and thorough coverage of the tree canopy while avoiding excessive wash-off of the product. Use calibrated spray equipment to ensure uniform spray coverage of leaves and developing fruit, particularly towards the upper half of the tree. Apply early in the morning or late in the afternoon when drying conditions are slower to ensure adequate absorption.

Mixing Instructions:

Add required amount of Accel Plant Growth Regulator Solution to a spray tank about half-filled with water. Agitate while bringing the total volume of water to the required level. New solutions should be mixed only in a clean, empty spray tank and used within 24 hours.

**Accel Plant Growth Regulator
Solution Rate Conversion Table**
grams a.i./hectare*

	liters of Accel Plant Growth Regulator Solution/ha
30	1.5
38	2.0
48	2.5
57	3.0
67	3.5
76	4.0

*refers to grams of N-(Phenylmethyl)-1H-purine-6-amine

Compatibility with Other Chemicals

No information is available on spray tank-mix compatibility with other control products. Consult your local Valent BioSciences agricultural specialist, extension specialist, or Farm Advisor for information on specific compatibility questions.

DO NOT tank-mix with NAA (naphthalene acetic acid) products.

Special Considerations

Effectiveness of chemical thinning depends greatly on environmental conditions before, during, and after spraying, as well as the vigor or health of the trees. High temperatures or cloudy periods before and/or after spraying may increase the thinning response. Trees weakened by disease or physical damage thin more easily than healthy trees. Use lower rates for weaker, less vigorous trees.

Applications of Accel Plant Growth Regulator Solution are most effective when the air temperature is 21°C-24°C. Do not spray Accel Plant Growth Regulator Solution when temperatures are below 16°C or above 27°C.

- Airblast application: do not direct spray above plants to be treated. Turn off outward-pointing nozzles at row ends and outer rows. Do not apply when wind speed is greater than 16 km/h at the application site as measured outside of the treatment area on the upwind side.
- DO NOT APPLY BY AIR.

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