

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460



OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

JAN 27 2003

Mr. Edward Jordan
BASF Corp. Agricultural Products
P.O. Box 13258
Research Triangle Park, NC 27709-3528

Subject: Apogee Plant Growth Regulator
EPA Reg. No. 7969-188
Submission dated Dec 30, 2002

Dear Mr. Jordan:

The **Supplemental Label** submission in connection with the registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted.

A stamped supplemental label is enclosed for your records. Submit one copy of the final printed label and incorporate the supplemental labeling into the main label within 18 months. A "master label" that incorporates all supplemental labeling must be submitted no later than 20 months from the date on this letter. If you have questions about this label review, please contact Dennis McNeilly at (703) 308-6742 or electronically at mcneilly.dennis@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Cynthia Giles-Parker".

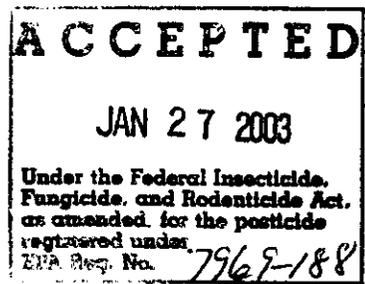
A handwritten signature in black ink, appearing to read "Dennis McNeilly".

Cynthia Giles-Parker
Product Manager (22)
Fungicide Branch
Registration Division (7505C)

Supplemental Label

Apogee®

Plant Growth Regulator



Special Directions For Use for Vegetative Growth Control of Apples Grown in Idaho, Washington and Oregon

EPA Reg. No. 7969-188

All applicable directions, restrictions, precautions and **Conditions of Sale and Warranty** on the EPA- registered label are to be followed. This labeling must be in the possession of the user at the time of application.

Directions For Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

General Information

Apogee® plant growth regulator is a unique production management tool for apple orchards that reduces vegetative growth allowing a balance between canopy development and fruit production. **Apogee** provides many beneficial effects including:

- Vegetative growth control
- Reduced need for summer and dormant pruning
- Improved light penetration into the tree canopy
- Improved color of red varieties because of better light penetration into the canopy
- Reduced incidence and severity of fire blight of shoots (shoot blight)

Application Instructions

Apply **Apogee** to actively growing trees according to the tree size, rates and application timings listed in Table 1. It is important to take into consideration the size and vigor of the apple tree when determining the spray volume and application frequency, timing and rate required to achieve vegetative growth control. Spray volumes are based on the amount of solution required to thoroughly wet the tree foliage to the point of runoff. Consult your local extension agent or consultant for a recommendation on spray volume.

Coverage

Because **Apogee** is absorbed by the leaves, thorough spray coverage of the tree foliage is necessary for good uptake. The spray should be directed to the portion of the tree where growth control is desired. To achieve good coverage, use sufficient water, proper spray pressure, nozzles, nozzle spacing, spray volume per acre, and tractor speed. Consult the spray nozzle and accessory guide for information pertaining to proper equipment calibration.

Aerial application of **Apogee** generally only provides coverage of the top of the tree canopy, and vegetative growth control will be limited to those areas that receive spray coverage.

Restrictions and Limitations

- **Maximum seasonal use rate:** Do not apply more than a **total of 99 ounces** (6.2 pounds) of **Apogee** per acre, per season.
- Do not apply more than a **total of 48 ounces** (3 pounds) of **Apogee** within any 21-day interval.
- **Preharvest Interval (PHI):** Do not apply within **45 days** before harvest.
- **Restricted Entry Interval (REI): 12 hours.**
- **Rainfast period: Apogee** is rainfast **8 hours** after application.
- Do not apply to crops that show **injury** (leaf phytotoxicity) produced by any other prior pesticide applications, because this injury may be enhanced or prolonged.
- Do not apply this product through any type of irrigation system.

Table 1. Recommended Application Rates for Vegetative Growth Control of Apples in Idaho, Oregon or Washington

Apple Tree Size	Apogee rate per Acre ¹	Application Timing	Restrictions
Eight to ten feet (8-10') tall on dwarf root stocks (Small Trees)	6-12 ounces	Apply at 1-3 inches of new terminal shoot growth. For best results, make subsequent applications at 1-4 week intervals and when shoots show signs of regrowth. Apple trees should be monitored clearly for vigor. High vigor trees may require more frequent applications through the growing season.	Do not apply more than a total of 48 ounces (3 pounds) of Apogee within any 21 day interval. Do not apply more than a total of 99 ounces (6.2 pounds) of Apogee per acre, per season.
Ten to fourteen feet (10-14') tall on semi-dwarf rootstocks (Medium Trees)	6-18 ounces		
Trees taller than fourteen feet (14') on standard non-dwarf rootstocks (Large Trees)	18-24 ounces		

¹ Spray volumes must be a minimum of 100 gallons per acre and increase as necessary to achieve thorough canopy coverage.

*Apogee is a trademark of BASF Corporation.
Prohexadione calcium is patented by Kumiai Chemical Industry.*

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BASF

Agricultural Products