

Apogee Plant Growth Regulator

technology sheet

Apogee combines a unique mode of action for fire blight suppression with early season reduction of shoot growth in apples.

- Apogee® reduces fire blight by stimulating the tree to produce high concentrations of antibacterial compounds, thickening cell walls to resist infection and increasing air and light penetration in the canopy.
- By controlling new shoot growth, Apogee saves both time and cost associated with pruning. Apogee inhibits the production of natural plant hormones in developing apple shoots, reducing shoot extension and vegetative growth.

Active ingredient

Prohexadione calcium

Formulation

Wettable granule

One case contains

4 x 2.27 kg jugs

Storage

Store in cool, dry, locked, well-ventilated area without floor drain.

Control of shoot growth

Apples

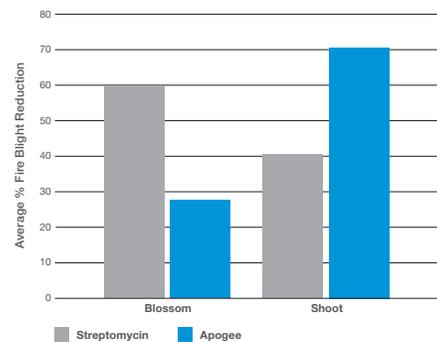
Timing

The first application should be made when shoot growth is 2.5 to 5 cm (1 to 3 inches) in length. Make a second application 14 days later. Monitor for re-growth after second application and re-apply if necessary.

Pests reduced

Fire blight

Fire blight reduction in apples and pears



Source: EPPO Bulletin 34:383-388



Source: Apogee Trial (BC). Applied May 6, 20 and June 9. Rate: 45 g/100 L

Timing



Application rates

One jug of Apogee plant growth regulator will treat 4.16 to 6.9 acres.

Medium to high vigour trees (split applications)	45 g/100 L
Low to medium vigour trees (split applications)	27 g/100 L
Low vigour trees (single application)	27 to 45 g/100 L

Mixing order

1. Ensure the spray tank is clean before use. Follow the clean-out recommendations stated on the label of the product that was previously used.
 2. Fill the spray tank one-half full of water and start agitation.
 3. Add the required amount of Apogee plant growth regulator to the tank.
 4. Add the required amount of adjuvant.
 5. Add the required amount of ammonium sulfate.
 6. Continue agitation while filling the remainder of the spray tank.
 7. After use, clean the spray tank according to precautions.
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Application tips

Rainfastness – 8 hours.

Longer drying times promote uptake which may enhance performance.

Restricted entry interval – 12 hours.

Apogee is not systemic. To optimize performance, use adequate water volumes to provide thorough coverage.

Use a non-ionic surfactant at 50 ml/100 L water to improve coverage and absorption.

Add ammonium sulphate at a 1:1 ratio with Apogee to pre-condition spray water.

The use of Apogee on Empire and Stayman varieties has been associated with an increase in fruit cracking.

Pre-harvest interval

45 days after application for apples.

Tank mixes

None on label.

Do not tank-mix with other plant growth regulators or foliar calcium sprays.

For more information

Call **AgSolutions**[®] Customer Care at 1-877-371-BASF (2273) or visit **agsolutions.ca**.

Always read and follow label directions.

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