



**Plant Growth Regulator
Solution**

For Use on Apple, Pear, & Pistachio

ACTIVE INGREDIENT:

	By Wt.
6-benzyladenine	1.9%
OTHER INGREDIENTS	98.1%
TOTAL	100.0%

EPA Reg No. 73049-407
EPA Est. No. 33762-IA-001

List No. 11815

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**KEEP OUT OF REACH OF CHILDREN
CAUTION**

1.0

FIRST AID	
If in eyes	<ul style="list-style-type: none"> • 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 center or doctor for treatment advice.
HOT LINE NUMBER	
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For medical emergencies, you may also call toll-free 1-800-892-0099 for treatment information.</p>	

2.0 PRECAUTIONARY STATEMENTS

**2.1 HAZARD TO HUMANS AND DOMESTIC ANIMALS
CAUTION**

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

2.2 Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical resistance category selection chart.

Applicators and other handlers for apple and pear uses must wear:

- Long sleeved shirt and long pants
- Chemical-resistant gloves (such as barrier laminate; butyl, nitrile or neo-prene rubber; polyvinyl chloride or viton)
- Shoes plus socks

Applicators and other handlers for pistachio uses must wear:

- Long sleeved shirt and long pants
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

2.3 User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then, wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

2.4 Environmental Hazards

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

3.0 DIRECTIONS FOR USE

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State/Tribal agency responsible for pesticide regulation.

4.0 AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses,

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4.0 AGRICULTURAL USE REQUIREMENTS (CONT.)

and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- For apple and pear uses: Chemical-resistant gloves (such as barrier laminate; butyl, nitrile or neo-prene rubber; polyvinyl chloride or viton)
- For pistachio uses: Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

5.0 GENERAL INFORMATION

IMPORTANT: Before application, read all directions thoroughly. **Use MaxCel only as directed.**

MaxCel contains 1.9% (w/w) 6-benzyladenine (6BA). 6BA is a potent plant growth regulator belonging to the group of growth regulators known as cytokinins.

Consult your local Valent Agricultural Specialist (1-800-6-VALENT), for specific information regarding the use of this product in your particular orchard(s).

6.0 APPLICATION INSTRUCTIONS

GENERAL

- Do not apply this product through any type of irrigation system.
- Apply in the morning or evening when conditions are best for slow drying (cooler temperatures and higher humidity), in order to ensure adequate absorption of the product. If applied in the morning, assure that the leaves are not too wet from dew.
- To minimize foaming of spray solution, reduce agitation and add the product to the tank after filling to 1/2 capacity with water.
- Product performs best at water pH between 5 and 7; do not exceed pH of 8.5.
- No surfactant is required.
- Apply in a sufficient amount of water to ensure thorough coverage without excessive run-off. Use calibrated spray equipment to ensure uniform coverage of leaves and fruit. Adjust water volumes based on tree size and spacing. In many cases, spray volumes of approximately 100 gallons per acre have been shown to be adequate.
- For apples and pears, do not exceed a total of 308 fluid ounces (182 grams of 6BA) per acre per season for all uses.

6.1 Application Instructions – Apple

APPLE

Use	Application Rate	Spray Volume	Spray Timing
For enhancement of fruit size.	Apply 10 to 50 ppm spray concentration. (Refer to the dilution table for assistance.)	Use sufficient volume to ensure complete tree coverage.	Make 2 to 4 applications, starting at petal fall, and continuing at 3 to 10 day intervals.

Additional Instructions:

- Direct 80% of the spray into the upper 2/3rds of the tree canopy.
- Applications will be most effective when the maximum temperature is above 65° F on the day of application, and the following 2-3 days.
- **Do not apply within 86 days of harvest.**

NOTE: This use may cause fruit thinning in some easy to thin varieties, and/or under conditions favorable for thinning.

APPLE AND PEAR

Use	Application Rate	Spray Volume	Spray Timing
For fruit thinning, sizing, and enhanced return bloom.	Apply 75 to 200 ppm spray concentration. (Refer to the dilution table for assistance.)	Use sufficient volume to ensure complete tree coverage.	Apply when the average diameter of king fruitlets is between 5 to 15 mm diameter. 10 mm is optimal. Do not apply more than twice in a season.

Additional Instructions:

- Direct 80% of the spray into the upper 2/3rds of the tree canopy.
- Applications will be most effective when the maximum temperature is above 65° F on the day of application, and the following 2-3 days.
- Use higher rates in orchards that have a history of being difficult to thin, in varieties known to be difficult to thin, and in cool weather situations.
- **Do not exceed a total of 308 fluid ounces (182 grams of 6BA) per acre per season for all uses.**
- **Do not apply within 86 days of harvest.**

NOTE: Generally, only one application is sufficient for fruit thinning. If a second application is desired to obtain additional thinning:

1. Allow 7-10 days to observe the effect of the first application.
2. Spray the second application before the average diameter of king fruitlets exceeds 20 mm diameter.

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6.2 Application Instructions – Pistachio

PISTACHIO

Use	Application Rate	Spray Volume	Spray Timing
To increase yield, and reduce alternate bearing.	Apply 25 to 50 ppm spray concentration. (Refer to the dilution table for assistance.)	Use sufficient volume to ensure complete tree coverage.	Always make two applications: 1st: Early-to-mid June. 2nd: Early-to-mid July.

Additional Instructions:

- Apply in a tank mix with low biuret urea foliar nutritional spray at the rate of 6.25 - 12.5 lbs nitrogen per acre at both spray timings.
- **Do not exceed 50 fluid ounces per acre per application.**
- **Do not apply within 60 days of harvest.**

6.3 MaxCel Dilution Table

Fluid ounces of *MaxCel* per 100 gallons of spray required to obtain given ppm concentrations.

10 ppm	25 ppm	50 ppm	75 ppm	100 ppm	125 ppm	150 ppm	175 ppm	200 ppm
6	16	32	48	64	80	96	112	128

Note: *MaxCel* contains 75 grams active ingredient per 128 fluid ounces (one gallon).

7.0 COMPATIBILITY WITH OTHER AGRICULTURAL PRODUCTS

Information on tank mix compatibility of *MaxCel* is limited at this time.

8.0 STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Storage: Store product in a cool and dry place.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

9.0 NOTICE TO USER

To the fullest extent permitted by law, seller makes no warranty, express or implied, of merchantability, fitness or otherwise concerning the use of this product other than as indicated on the label. To the fullest extent permitted by law, user assumes all risks of use, storage or handling not in strict accordance with accompanying directions.

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