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# **CILIS PLUS™**

## **PLANT GROWTH REGULATOR SOLUTION**

### **Liquid**

For post-bloom thinning and enhancement of fruit size of apples and pears

### **COMMERCIAL**

**GUARANTEE:** 6-benzylaminopurine.....2.0%

**REGISTRATION NO. 29210 PEST CONTROL PRODUCTS ACT**

**KEEP OUT OF REACH OF CHILDREN  
READ THE LABEL AND ATTACHED BROCHURE BEFORE USING**

**FINE AGROCHEMICALS LIMITED  
Hill End House, Whittington  
Worcester WR5 2RQ  
United Kingdom**

**Distributed by:  
N.M. Bartlett Inc.  
4509 Bartlett Rd.  
Beamsville, Ontario  
L0R 1B1  
905-563-8261**

**Net Contents: 2 litres**

## **PRECAUTIONS**

**KEEP OUT OF REACH OF CHILDREN.**

Causes moderate eye irritation. Avoid contact with eyes, skin or clothing.

Harmful if swallowed or absorbed through skin. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before re-use.

Wear long pants, a long-sleeved shirt, shoes plus socks, chemical-resistant gloves and goggles or a face shield during mixing, loading, application, clean-up, and repair activities.

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Apply only when the potential for drift to areas of human habitation or areas of human activity such as houses, cottages, schools, and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature, application equipment, and sprayer settings.

Do not re-enter or allow re-entry into treated areas until 12 hours after application.

Do not contaminate feed or food.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's website at: [www.croplife.ca](http://www.croplife.ca).

## **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 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.

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control centre or doctor for further treatment advice.

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

## **TOXICOLOGICAL INFORMATION**

Treat symptomatically.

## **STORAGE**

Avoid contamination of seed, feed and foodstuffs.

## **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 to the collection site: Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank. Make the empty container unsuitable for further use.

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

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

## **ENVIRONMENTAL PRECAUTIONS**

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.

Toxic to certain beneficial insects. Minimize spray drift to reduce harmful effects on beneficial insects in habitats next to the application site such as hedgerows and woodland. DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

## **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.

## **GENERAL INFORMATION**

CILIS PLUS™ Plant Growth Regulator Solution is a plant growth regulator for use on apples and pears as a post-bloom thinning and fruit sizing agent. Individual fruit weight may increase in some varieties but this is dependant on fruit set and the physiological condition of the trees. Return bloom may be increased in the year following CILIS PLUS Plant Growth Regulator Solution application.

## **DIRECTIONS FOR USE**

Do not apply by air.

CILIS PLUS Plant Growth Regulator Solution should be applied using conventional spray application equipment. Do not apply this product using irrigation equipment.

### Airblast application:

Do not direct spray above trees 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.

The effectiveness of CILIS PLUS Plant Growth Regulator Solution depends on the variety of the target apple or pear trees.

The thinning effectiveness of CILIS PLUS Plant Growth Regulator Solution is increased by:

- High temperatures before and after application (21-24°C).
- Disease and physiological stress of target trees. Apply reduced rates to low vigour trees, or trees under stress from drought, winter injury, etc.

The effectiveness of CILIS PLUS Plant Growth Regulator Solution is reduced by:

- Low temperatures before and after application. Do not apply this product if the temperature is below 16 °C.
- Rainfall immediately after application.
- pH above 8. This product performs best when the pH is 5-6.5. A buffer or pH enhancer may be used for this purpose.

Direct 80% of spray to the upper 2/3<sup>rd</sup>s of the tree structure.

Use a properly calibrated sprayer to ensure uniform and complete coverage of all foliage and developing fruit without run-off. Spray volume should be adjusted for tree size and density.

CILIS PLUS Plant Growth Regulator Solution works best if climatic conditions allow and extended drying period. Apply in the morning or evening when temperatures are lower and humidity tends to be higher than during the day.

Do not apply tank-mix combinations unless previous experience indicates the mixture is effective and will not result in application difficulties or plant injury. Tank mixes should be tested on a small scale before adoption as a general practice.

Do NOT apply during periods of dead calm. Avoid application of this product when winds are gusty. 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.

### **Spray Guide For Fruit Thinning in Apples and Pears**

When used to thin apple or pear fruit, CILIS PLUS Plant Growth Regulator Solution is normally applied in a single spray program; if a second application is needed, allow 7-10 days after the first application to observe the effect and spray before the diameter of the king bloom fruit exceeds 20 mm.

Apply a spray solution of 50-200 ppm when king fruitlets are 5 to 10 mm in diameter. If required, a second application may be made at the same rate. This period may extend from approximately 7 to 21 days after full bloom, depending on the apple or pear variety and local weather conditions. Individual fruit sizes may be increased. Return bloom in the year following application of CILIS PLUS™ Plant Growth Regulator Solution may be increased.

### **Spray Guide for Enhancement of Fruit Size in Apples and Pears**

When used to enhance the fruit size of apples and pears, CILIS PLUS Plant Growth Regulator Solution is applied starting at petal fall and continuing at 3- to 10-day intervals.

Make 2 to 4 applications of 10-50 ppm spray solution starting at petal fall, continuing at 3- to 10-day intervals, as required. Use a volume of water sufficient to ensure complete coverage of leaves and fruit without excessive loss (approximately 1,000 L/ha). This use may cause fruit thinning in some easy-to-thin varieties, and/or under conditions favourable for thinning.

### **Additional Information**

Refer to CILIS PLUS Plant Growth Regulator Solution Dilution Guide. The effectiveness of CILIS PLUS Plant Growth Regulator Solution depends on the variety of target apple and pear trees and weather conditions. Refer to your extension specialist for advice regarding rate of application for apple and pear varieties in your area.

Total yield reductions may be observed in some pear varieties.

Do not exceed 446 grams active ingredient of 6-benzylaminopurine per hectare (21.3 L product/ha) per season for all uses.

Observe a minimum interval of 28 days between the final application and harvest.

### CILIS PLUS™ Plant Growth Regulator Solution Dilution Guide

Spray Solution Volume	Concentration of 6-benzylaminopurine (Parts Per Million)								
	10	25	50	75	100	125	150	175	200
	Volume of CILIS PLUS™ Plant Growth Regulator Solution required								
200 L	95 ml	240 ml	475 ml	715 ml	955 ml	1.19 L	1.43 L	1.67 L	1.91 L
1000 L	475 ml	1.19 L	2.39 L	3.58 L	4.77 L	5.96 L	7.16 L	8.35 L	9.54 L

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