

# Cytolin<sup>®</sup>

PLANT GROWTH REGULATOR SOLUTION

**ACTIVE CONSTITUENTS:** 19 g/L GIBBERELLINS A4 and A7  
19 g/L 6-BENZYLADENINE

**Can improve fruit shape/typiness in apples.  
For thinning in apples when used in combination with MaxCel Plant Growth Regulator.  
For thinning of Red Delicious and Gala apples in combination with NAA.  
Also for promotion of lateral growth in Red Delicious apples and cherries,  
as per the Directions for Use Table.**

## GENERAL INSTRUCTIONS

The term "improvement of fruit shape" generally refers to a longer apple or an increased length/diameter ratio. In certain varieties (i.e. Red Delicious) this is known as "typiness". **DO NOT** apply more than 1.5 L/ha of product when thinning Red Delicious apples.

## MIXING AND APPLICATION

This liquid product mixes easily with water. For improvement of typiness and shape, and for thinning applications, best results are achieved using 900 to 1200 L/ha water (depending on tree size), together with a non-ionic wetter at the recommended rates. Add the required amount to clean spray tank about half filled with water. Agitate while bringing the total volume of the water to the required level. Use the spray solution within 24 hours after mixing.

## COMPATIBILITY

The addition of a non-ionic wetting agent at recommended rates will enhance results. **DO NOT** use other pesticides until spray deposits are dry. **DO NOT** use another thinner unless recommended.

## PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

**DO NOT** apply under weather conditions, or from spraying equipment, that may cause spray to drift onto nearby susceptible plants/crops or pastures. **DO NOT** apply more than 1,800 L of spray solution per ha. **DO NOT** apply NAA after application of this product except as specifically directed. This product can act as a thinner. **DO NOT** apply a specific thinner until sure of fruit set following application of this product. If sprayed to run-off, fruit shape distortion, foliage damage and overshining may result.

## PROTECTION OF WILDLIFE, FISH AND ENVIRONMENT

**DO NOT** contaminate streams, rivers or waterways with the chemical or used containers.

## STORAGE AND DISPOSAL

Keep out of reach of children. Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tanks. **DO NOT** dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycle or designated collection point. If not recycling, break, crush or puncture and bury

empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

## SAFETY DIRECTIONS

Harmful if swallowed. Will irritate the eyes and skin. Avoid contact with eyes and skin. When opening the container and preparing product for use wear cotton overalls button to the neck and wrist and washable hat, elbow-length PVC gloves and face shield or goggles. When using the prepared spray wear cotton overalls buttoned to the neck and wrist and washable hat and elbow-length PVC gloves.

If product in eyes, wash it out immediately with water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, face shield or goggles and contaminated clothing.

## FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre (ph 13 11 26).

## MATERIAL SAFETY DATA SHEET

Additional Information is listed in the Material Safety Data Sheet (MSDS).

## IMPORTANT NOTICE

These goods are to be used only for the purpose and as specified on the label, and are not suitable for any other purpose. To the fullest extent permitted by law, we do not accept or bear any liability on any basis for any loss, damage, cost or expense, arising in any way, directly or indirectly, in connection with the goods.

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<b>THIS PRODUCT IS NOT CONSIDERED TO BE A DANGEROUS GOOD UNDER THE AUSTRALIAN CODE FOR THE TRANSPORT OF DANGEROUS GOODS BY ROAD OR RAIL</b>	
<b>In a Transport Emergency Dial 000 Police or Fire Brigade</b>	<b>SPECIALIST ADVICE IN EMERGENCY ONLY ALL HOURS - AUSTRALIA WIDE 1800 024 973</b>

## DIRECTIONS FOR USE:

### RESTRAINTS

**DO NOT** apply if rain is likely within 6 hours.

**DO NOT** apply after rain until flower parts are free of droplets.

**DO NOT** apply when air temperature is less than 7°C or greater than 32°C.

**DO NOT** apply in combination with other growth regulators or pesticides.

**DO NOT** apply on trees that are stressed by disease or other factors.

CROP	USE	TIMING	RATE	CRITICAL COMMENTS
Apples	<b>Cytolin alone</b> use for improvement of fruit shape and increase in fruit size	Apply at 90% king bloom.	125 mL/ 100 L water	<b>Single application only.</b> In regions or seasons where the bloom period may be extended a split application is recommended.
		Apply first application at 50% king bloom and second application at 90% king bloom.	65 mL/100 L water	<b>Split application:</b> Use in regions or seasons where the bloom period is extended.
	<b>Cytolin followed by MaxCel</b> use for fruitlet thinning, improvement of fruit shape, quality (flesh firmness and sugar levels) and increase in fruit size	<b>Cytolin application</b> Apply as split application with first spray at 50% king bloom and second spray at 90% king bloom.  <b>MaxCel application</b> Apply when king fruitlets are between 7 to 10 mm in diameter. This normally occurs 10 to 25 days after full bloom.	65 mL/100 L Cytolin applied as split application followed by MaxCel at 750 mL/100 L	An application of Cytolin followed by MaxCel enhances the results achieved by Cytolin or MaxCel alone.  If using MaxCel in a thinning program, do NOT apply Cytolin after full bloom as this may cause pygmy fruit in some varieties.
Red Delicious and Gala Apples	<b>Cytolin followed by NAA</b> use for flower thinning	<b>Cytolin application</b> Apply as split application with first at 50% king bloom and second at 90% king bloom. <b>NAA application</b> At full bloom apply NAA.	65 mL/100 L water	Cytolin can be used in combination with NAA (3 mg/L)
Red Delicious Apples	Stimulation of lateral growth	Apply late October to early November.	150 mL/10 L water	Apply to Red Delicious apple trees using a knapsack sprayer. Add non-ionic wetter at recommended rate. Thoroughly wet foliage on one year old wood in region of tree where laterals are required. NB: Most suitable for 2 to 3 year old trees.
Cherries	Stimulation of lateral growth on non-bearing trees	Apply between budswell and budburst. Apply to trees just after planting or in young non-bearing trees in the following year – still at least one year before trees start to bear fruit.	25 mL + 75 mL acrylic or latex paint	Apply by brush to buds and bark of one year old wood on vigorous trees.

**NOT TO BE USED FOR ANY PURPOSE OR IN ANY MANNER CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.**

### WITHHOLDING PERIOD:

**NOT REQUIRED WHEN USED AS DIRECTED.**