

# MaxCel<sup>®</sup>

A soluble concentrate formulation containing 20 g/l (1.9% w/w) 6-benzyladenine for use as a plant growth regulator for chemical thinning of apples, increased fruit size and promotion of return bloom. MAPP 15708



**Contains 6-benzyladenine**  
**DANGEROUS FOR THE ENVIRONMENT**  
**TOXIC TO AQUATIC ORGANISMS. MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT**

USE APPROPRIATE CONTAINMENT TO AVOID ENVIRONMENTAL CONTAMINATION

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.

## IMPORTANT INFORMATION

FOR USE ONLY AS A HORTICULTURAL PLANT GROWTH REGULATOR

Crop : Apple  
Maximum Individual Dose : 7.5 L/ha  
Maximum number of treatments : 1 per year  
Latest Time of Application : When average king fruitlet diameter is 15 mm  
Other Specific Restrictions : The maximum concentration of spray solution must not exceed 750ml of product per 100 litres of water.

**READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.**

**To avoid risks to man and the environment, comply with the instructions for use. Do not contaminate water with product or its container.**

## SAFETY PRECAUTIONS

### Operator protection:

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

WEAR SUITABLE PROTECTIVE GLOVES when handling the concentrate

However, engineering controls may replace personal protective equipment if a COSHH assessment shows that they provide an equal or higher standard of protection

WHEN USING DO NOT EAT DRINK OR SMOKE

WASH HANDS before eating and after work

Storage and disposal:

KEEP OUT OF REACH OF CHILDREN

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS

WASH OUT CONTAINER THOROUGHLY, empty washings into spray tanks, and dispose safely

### Environmental protection:

Do not contaminate water with the product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads.

To protect aquatic organisms respect an unsprayed buffer zone to surface water bodies in line with LERAP requirements.



DO NOT ALLOW DIRECT SPRAY from broadcast air-assisted sprayers to fall within 5 metres of the top of the bank of a static or flowing waterbody, unless a Local Environment Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 5 metres of the top of a ditch which is dry at the time of application. Aim spray away from water.

This product qualifies for inclusion within the Local Environment Risk Assessment for Pesticides (LERAP) scheme. Before each spraying operation from a broadcast air-assisted sprayer, either a LERAP must be carried out in accordance with the published guidance or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for three years.

## Storage and Disposal

KEEP IN ORIGINAL CONTAINER tightly closed in a safe place.

Pack Size: **5 litres**

Lot No:

Date of Manufacture:

STORE IN A COOL DRY PLACE.

**Approval Holder:**

Valent BioSciences Corporation a division of Sumitomo Chemical Agro Europe SAS  
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**Marketed in the UK by:**



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**DIRECTIONS FOR USE**

**IMPORTANT: This information is approved as part of the product label. All instructions within this section must be read carefully in order to obtain safe and successful use of this product.**

MaxCel contains 20 g/l (1.9 % w/w) 6-benzyladenine, which is a plant growth regulator belonging to the group known as cytokinins. This substance causes thinning of fruitlets, increases apple fruit size and promotes return bloom.

**Crops:**

MaxCel is for use only as a plant growth regulator on apples.

**Application rates and Water volume:**

For full sized trees with full leaf cover, use a maximum dose of 7.5 litres product in 1000 L of water per hectare. For smaller trees, or thinner canopies, the dose and water volume may be reduced in accordance with a recognised dose adjustment scheme e.g. UK PACE. The concentration of spray solution must not exceed 750 ml product in 100 litres water. Please view detailed use recommendations in the table below.

**Timing:**

See application recommendations in the table below. MaxCel can be applied once per season.

**Use recommendations:**

Cultivar	Rate Range*		Spray Timing
	Product Dose (l/ha) at the maximum spray volume of 1000 litres water/ha	Product concentration	
Braeburn, Cox-Orange, Idared, Jonagold	3.75-5.0 l/ha	375 – 500 ml per 100 l of water	For best results applications should be made when average king fruitlet diameters are 10-12 mm at the beginning of a warming trend with maximum daily temperatures above 15 °C for 2-3 days after treatment.
Elstar, Fuji, Gala, Golden Delicious, Pinova, RubINETTE,	5.0-7.5 l/ha	500 – 750 ml per 100 l of water	

\* Rates should be adjusted according to natural fruit set conditions and cultivars (as listed). Use a higher product rate, within the recommended range, in orchards or varieties that have a history of being difficult to thin and under cool weather conditions.

**Additional Comments:**

- Low temperatures at the time of application have no influence on thinning efficacy as long as temperatures increase above 15 °C.
- Do not apply when leaves are wet, or when trees or fruit are under stress.
- Within the stated dose range, use higher rates in orchards and cultivars that have a history of being difficult to thin and in cool weather situations.
- Expect more thinning when maximum daily temperatures exceed 30 °C. Recommended rates may be reduced in easy to thin cultivars.

**Mixing instructions:**

Do not premix MaxCel. Half-fill a clean spray tank with water, begin agitation and add the required amount of MaxCel. Avoid vigorous agitation which may lead to excessive foaming. Maintain agitation while bringing the total volume to the required level and until spraying is completed.

**Water Quality:**

Use water with a pH between 5 and 7. Do not use water pH in excess of 8.5.

**After use:**

Immediately after use, clean the spray equipment thoroughly. Dilute any spray solution remaining in the tank with at least 10 parts clean water and then spray onto the treated field. The tank should then be double rinsed (adding water until the tank is approximately 25% full and spraying this solution onto the treated field). A commercially available cleaning agent can be added to the rinse water if desired.

**Rainfastness and Irrigation:**

Rainfall or overhead irrigation within 12 hours after spraying may reduce product activity.

**Warning: Environmental Conditions**

Expect more thinning when maximum daily temperatures exceed 30 °C.

Do not apply MaxCel at maximum daily temperatures below 15 °C or to trees or fruit suffering from any kind of stress.

Manufactured by:



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**NOTICE TO USER**

Seller makes no warranty, expressed or implied, of merchantability, fitness or otherwise concerning the use of this product other than as indicated on the label. User assumes all risks of use, storage or handling not in strict accordance with accompanying directions.