

Tree fruit

Amētros™ is an advanced foliar spray containing our patented CaT™ technology. This optimises calcium mobility for improved quality and shelf life in tree fruit.



Benefits of Amētros

- ✓ Improves crop quality
- ✓ Extends fruit storage and shelf life
- ✓ Reduction of bitter pit and other calcium disorders
- ✓ Less crop waste and more marketable yield
- ✓ Compatibility with other agrochemical foliar sprays
- ✓ Application flexibility due to reduced risk of scorch

Nutrient content of Amētros*

Nutrient	% w/w	g/L
Ca	9.5	133
CaO equiv	13	182
N	8	112
Zn	0.8	11.2

*Formulations can vary by region

CaT™ Calcium mobility technology

Calcium is an essential plant nutrient, principally taken up with water. It is vital for cell wall and membrane structure.

CaT is designed to mobilise calcium. It stimulates selective ion transport channels in membranes, increasing the calcium concentration within cells and improving localised calcium movement. This efficient technology means you get results with a low application rate.

Amētros consistently reduces incidence of bitter pit in apples

As shown in Figure 1, bitter pit incidence in cv. Bramley was reduced by the application of Amētros compared to all other treatments. Furthermore, the Amētros treatment had the highest fruit calcium content. This was in spite of a lower calcium application rate. This trial was conducted by East Malling Research (EMR), UK.

In another trial located in Belgium in cv. Jonagored, Amētros demonstrated a reduction in post storage bitter pit incidence (Figure 2).

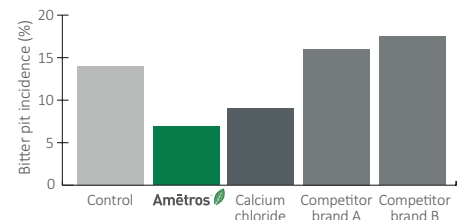


Figure 1: Field trial data in the UK showing bitter pit levels of Bramley apples

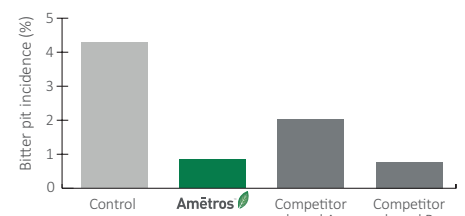


Figure 2: Field trial data in Belgium showing bitter pit levels of apples

Amētros improves storage quality and firmness

A trial was conducted on Golden Smoothie apple variety in Spain at the Institute for Food and Agricultural Research and Technology (IRTA). Amētros was applied from flowering at 1.5 L/ha in 1000 L of water every 14 days and compared to a control. The severity and incidence of external and internal bitter pit was assessed after a 1.5 month storage period. Amētros demonstrated less bitter pit and a significant difference ($P < 0.05$) in fruit firmness after storage and warm up.

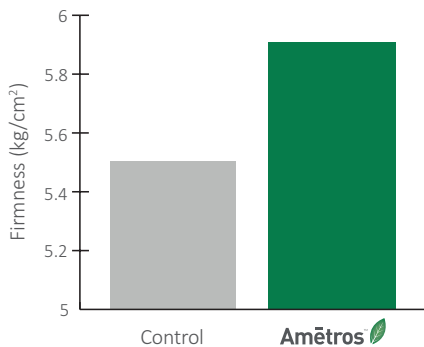


Figure 3: Firmness data of apples after storage and warm up when treated without (control) and with Amētros



Figure 4: Images of apples after a 1.5 month storage period when treated without (control) and with Amētros



Application information

Amētros has flexibility in its application due to low volume rates, meaning early-season sprays and day-time applications in warm weather are possible with a lower risk of scorch.



Directions for use

Shake well before use. Applying Amētros in a minimum 200 liters of water per hectare is recommended. The table below indicates the application rate and timing for tree fruit. For more detailed advice, consult your agronomist.

Crop	Rate	Spray timing
Apples	1.0-3.0 L/ha	Every 2-3 weeks starting as early as pink bud until harvest
Pears	1.0-3.0 L/ha	Every 2-3 weeks starting from flowering
Cherries	1.0-3.0 L/ha	Every 2-3 weeks starting from flowering

Tank mix compatibility

Amētros is compatible with most pesticides, adjuvants and foliar fertilisers. Mixing with products containing high levels of sulphate or phosphate may cause precipitation. Always conduct a jar test before use to ensure physical compatibility.

1.0-3.0 L/ha every 2-3 weeks starting as early as pink bud until harvest



Pink bud
(BBCH 57)

Full flowering
(BBCH 65)

End of flowering -
all petals fallen
(BBCH 69)

Early fruit set
(BBCH 71)

Fruit at 30% its
final size
(BBCH 73)

Fruit at half its
final size
(BBCH 75)

Fruit at about 70%
of final size
(BBCH 77)

Fruit at about 90%
of final size
(BBCH 79)

Amētros™

Find more information on our CaT technology products for tree fruit at:

www.plantimpact.com/en-gb info@plantimpact.com

www.linkedin.com/company/plant-impact/

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