

## Tree fruit

InCa™ 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 InCa

- ✓ Improved crop quality, storage and shelf-life
- ✓ Reduction of bitter pit and other calcium disorders
- ✓ Less crop waste and more marketable yield
- ✓ Compatibility with other AgChem foliar sprays
- ✓ Application flexibility due to reduced risk of scorch.

### Nutrient content

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



### Calcium mobility technology

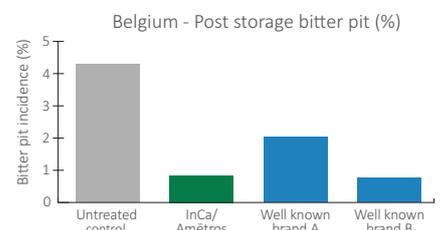
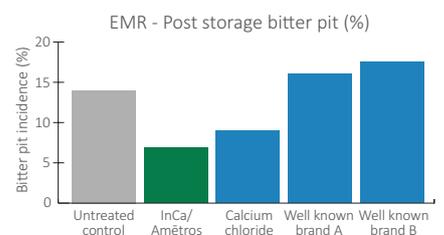
Calcium is an essential plant nutrient, principally taken up with water. It is vital for cell wall and membrane structure.

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.

### Independent field trial data

InCa consistently reduces incidence of bitter pit in apples.

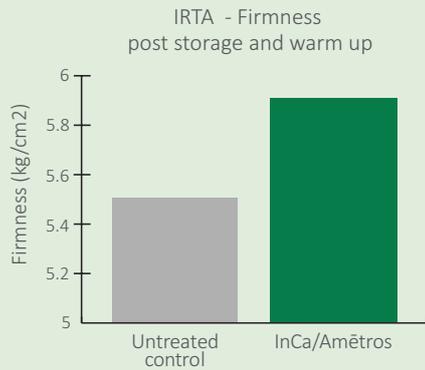
As shown in the first graph below, bitter pit incidence in Bramley was reduced by the application of InCa compared to all other treatments. Furthermore, the InCa treatment had the highest fruit calcium content. This was achieved notwithstanding the lower calcium application rate. This trial was conducted by East Malling Research (EMR), UK. In another trial located in Belgium on Jonagored, InCa demonstrated a reduction in post storage bitter pit incidence.





## InCa improves storage quality and firmness

A trial conducted on Golden Smoothie apple variety in Spain at the Institute for Food and Agricultural Research and Technology (IRTA) demonstrated less bitter pit and a significant difference ( $P < 0.05$ ) in fruit firmness after storage and warm up.



Untreated



InCa/Amētros



## Application information

Application flexibility is created as a result of the formulation and the level of calcium needed for efficacy. This allows early-season sprays and day-time application in warm weather with low risk of scorch.



## Directions for use

Shake well before use. We recommend applying InCa in a minimum 200 litres of water per hectare. 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 mixing

InCa 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% of  
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)



Find more information on our CaT technology products for tree fruit at: [www.plantimpact.com](http://www.plantimpact.com)



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