

# Nutri-Key Calcium Shuttle™

Calcium plays a major role in the development of plant and fruit cell walls, especially during the cell division stage.

Calcium plays a key role in protecting the cell from toxins and in slowing the ageing process. Adequate fruit calcium assists longer storage life and helps stored fruit resist a range of breakdown conditions and rots. The Shuttle™ system delivers calcium in a highly plant available chelated form. Calcium Shuttle™ offers calcium in a balanced formulation which covers the full spectrum of “background nutrition”.

## Benefits

- Sequesters chelates and delivers more nutrition than previously possible.
- Small molecular size increases chelation speed.
- Also serves as a carbohydrate-based microbial promotant.
- All of the Shuttle™ range contains “background nutrients” to avoid the problems which can occur when the correction of one shortage triggers another shortage due to the antagonistic effect of certain elements.



## PACKAGING

1 L, 5 L, 20 L, 200 L, 1000 L  
Product Code: NKCAS



# Nutri-Key Calcium Shuttle™

## Application Rates

Foliar: (Minimum Dilution 1:100):  
 Small Crops, Turf & Vines  
 3 - 5 L per ha  
 Orchard Crops  
 5 L per ha  
 Soil Application:  
 5 - 10 L per ha

## Functions of Calcium

- The "trucker of all minerals" - adequate calcium supply helps increase the uptake of all nutrients.
- Calcium is a main constituent of cell walls and membranes.
- It is essential for cell elongation; therefore it is required throughout every step of plant growth.
- Problems like Bitter Pit in apples, Blackheart in celery and Blossom End Rot in peppers are classic examples of a calcium shortage.
- Because of calcium's role in cell structure and strength and its ability to regulate other plant nutrients, it has a huge impact on fruit quality, shelf life, and pest and disease resistance.
- Calcium also plays a large role in building brix levels.

## Warning

- **Warning** - Nutri-Key Calcium Shuttle™ does not promote vegetative growth in some plants and in such cases, if this feature is not desired, then it should only be used once the plant has entered the fruiting cycle when no further vegetative growth is sought.

## Typical Analysis w/v

Calcium .....	9.6 %
Nitrogen (as organic N) .....	0.55%
Nitrogen (as nitrate) .....	6.74 %
Total Nitrogen .....	7.29%
Potassium (as fulvate) .....	0.20%
Potassium (as silicate) .....	0.02%
Total Potassium .....	0.22%
Iron .....	2870 mg/L
Zinc .....	955 mg/L
Manganese .....	820 mg/L
Boron .....	375 mg/L
Molybdenum .....	60 mg/L
Cobalt .....	30 mg/L
Sulphur .....	2610 mg/L
Copper .....	230 mg/L
Magnesium .....	320 mg/L
Sodium .....	3730 mg/L
Silicon .....	210 mg/L
Carbon (as shuttle chelate) .....	5.29 %
pH .....	5 - 7
Conductivity .....	56 - 81 mS/cm
Solubility .....	100 %
Specific gravity .....	1.34
Appearance: Brown liquid	

## Note

- Note: Use Nutri-Tech Plant Therapy™ to determine calcium requirements or apply when soil or weather conditions dictate the potential for deficiency.
- Note: Product in 1000 L tanks may weigh over 1 tonne. Forklift with 2 tonne lifting capacity is recommended.

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