

# Cal16N

## Calcium Nitrate as Water Soluble Fertilier

### Helps prevent many disorders in many fruits, vegetables and ornamentals including

Post-harvest disorders, Tip Burn, Bitter Pit, Corking, Internal Blossom-End Rot, Tomato Blossom-End Rot, Fruit Rot, Internal Corking, Melon Blossom-End Rot, Pillow Fruit Disorder, Hollow Heart, Internal Potato Rot.

### Calcium deficiencies can be detected at early stages. Signs to look for include:

- Upper leaves are distorted and curled at edges.
- Leaves may have thin yellow bands.
- Leaves may turn brown and die.
- Roots develop poorly.

A top dress fertiliser that provides nitrogen and calcium nutrition for vegetables, fruits, vines, flowers, turf and ornamentals.

### Advantages:

The nitrogen in calcium nitrate is fully available to plants and provides an immediate and predictable growth response. The calcium helps to reduce plant disorders such as bitter pit of apples, blossom end rot of tomatoes and capsicums, hollow heart of brassica crops, and assists in reducing tip burn of lettuce. Calcium is an essential nutrient for development of all plant tissues and an adequate supply and uptake assures a longer shelf life for all horticultural crops.

- **Calcium Nitrate** cannot be lost to the atmosphere like urea or ammonium based fertilisers and:
- Is not affected by temperature, so nutrients are still available when conditions are cold and wet
- Does not contain harmful chlorides or heavy metals
- Is not acidifying to the soil

Calcium Nitrate can be the major nitrogen source in a fertiliser program or strategically used at specific times in the development of crops, in conjunction with other fertilisers.

Calcium Nitrate greenhouse grade can be applied through the fertigation system, as a foliar spray and can also be used in hydroponic systems.

Calcium Nitrate is particularly suitable as a post harvest application on stone fruit, pome fruit and vines, where it is important to achieve the best flower quality, fruit set and early fruitlet development the following season.

Wear Individual protection measures, such as Personal Protective Equipment (PPE):OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES, DUST MASK.

### Application Rates:

**Soil Application:** General rates for horticultural crops are between 25 to 70 kg/ha through the fertigation system. When applying Calcium Nitrate through the irrigation system more frequent and smaller applications guarantee the nutrients are supplied to the plants without being lost due leaching or excessive rainfall.

**Foliar Application:** General foliar application 1kg per 100L of water (minimum). Repeat until conditions improved at 7-10 days interval.

### Inhalation:

Remove victim from area of exposure - avoid becoming a casualty. Seek medical advice if effects persist.

### Skin Contact:

If skin contact occurs, remove contaminated clothing and wash skin with running water. If irritation occurs seek medical advice.

### Eye Contact:

If in eyes, wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

### Ingestion:

Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water. Never give anything by the mouth to an unconscious patient. Seek medical advice.



Group Limited

194 Bruntwood Rd, RD1. Cambridge.  
P O Box 7071, Hamilton East. Hamilton.  
0800 77 55 11 - Fax 0064 7 839 6365  
[www.mybsl.co.nz](http://www.mybsl.co.nz)