

PRODUCT INFORMATION SHEET

Calcium Nitrate Concentrated

Horticultural Grade (HG)

Calcium is used by weight and volume more than any other nutrient, it plays a major role in the physiology of the plant, strengthening its physical structure and helping in protection from disease.

An imbalance of Calcium will lead to tight and hardpan soils, resulting in restricted flow of air and water through the soil, reduced root growth and pale leaves which respond poorly to nitrogen and iron fertiliser applications and effect crop quality and shelf life.

Our Calcium Nitrate is the highest concentration in the market, containing 25% more Calcium Oxide and 16 % more nitrate nitrogen (NO₃), helping customers save on transport costs.

Calcium Nitrate - Standard v Concentrated

Nutrient	Standard CN %	Concentrated CN %	Nutrient difference %
Ca(NO ₃) ₂	78	98	+25%
CaO	26.3	33	+25%
Total Nitrogen (N)	15.5	17	+10%
Nitrate (NO ₃)	14.4	16.7	+16%
Ammoniacal N (NH ₄)	1.1	0.3	-73%
N+CaO	41.8	50	+20%
Water (H ₂ O)	16.6	0.3 (max 0.3)	-98%

Product Characteristics

- White, free flowing granules
- Fully soluble in water
- Negligible amount of ammonium (NH₄), ideal for soilless crops sensitive to blossom end rot
- Increased uptake of nutrients due to lower ammonium content
- Low in chloride, sodium and other detrimental elements
- Compatible with most commonly used fertilisers, except sulphate or phosphate fertilisers

Purchasing Requirements

- Calcium Nitrate is a class 5.1 Dangerous Good
- For farms under 2ha, a 1 tonne limit applies
- Drivers licence is required for all cash/ non-commercial sales



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Packaging

Available in 25kg bags and 1 tonne Bulka Bags

Dosing Instructions | Fertigation

Crop	Application rate in g/L Water	Application rate in % w/v
Technical Crops	2.0	0.2
Ornamental and berry crops	1.5 - 2	0.15 - 0.2
Fruit Trees	1.5 - 2	0.15 - 0.2

Dosing Instructions | Foliar

Crop	Application timing	Application rate in kg/ha/application	Application rate in % w/v
Apple, Pear	5 - 10 applications: Early fruit enlargement until 6 weeks before harvest	5 - 10	0.5 - 1.5
Stone Fruits	3 - 4 applications: Early fruit growth until beginning of maturation	3 - 6	0.5 - 1.0
Vineyards (<i>adult table grapes</i>)	2 - 3 applications: As of beginning of fruit growth until maturation stage	4 - 6	0.5 - 1.0
Citrus	2 applications: Spring period at fruit setting	6 - 10	0.5 - 1.5
Banana	3 - 4 applications: Vegetative growth stage until flowering	5 - 10	0.3 - 0.6
Vegetables: Melons / cucumber	From fruit setting until 2 weeks before harvest, every 2nd week	2 - 5	0.5
Tomatoes / pepper	From fruit setting until harvest, every 10 days	2 - 5	0.1 - 0.3

Do not mix Calcium Nitrate with fertilisers containing sulphates and phosphates.

Application rates and dosages listed in this brochure are a guide only. They are subject to soil and climatic conditions, influence of previous crops and other factors. For exact application rates and dosages contact your Baileys Area Manager for a soil, plant and or water analysis.



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