

STRAIGHTS

# Calcium Nitrate Horticultural Grade



Iperen Calcium Nitrate HG is a fast and complete soluble granule of high purity with limited caking sensitivity. The product gives a completely clear and transparent solution.

Our Calcium Nitrate HG is especially developed to apply via fertigation of covered crops in soil or grown on hydroponics. Also to be used for foliar application.

The product is recommended when high rates of calcium are required by the crop, e.g. as of bud opening until fruit setting / beginning of maturation stage.

Iperen Calcium Nitrate HG is compatible with most commonly used fertilizers, except sulphate or phosphate fertilizers. Therefore the usage of a separate tank is needed or fertilizers should be applied at different times.



Foliar



Greenhouse Fertigation

Calcium Nitrate HG is part of the Iperen 'One Stop Shop' solution for all your calcium needs, including broadcasting, fertigation and foliar solutions.

Interested to learn more, visit our website!

## Product characteristics

- A fast and complete soluble granule of high purity
- To fertigate calcium and nitrate in soil grown, covered crops and hydroponics
- For foliar application

## Packaging

Available in packages of 1.000 kg and 25 kg.

## Dosing instructions | Hydroponics

g / 1.000 L stock solution	Total N ppm	N-NO <sub>3</sub> ppm	N-NH <sub>4</sub> ppm	CaO ppm	Ca ppm
100	15.5	14.4	1.1	26.3	18.8
130	20.2	18.7	1.4	34.2	24.4
160	24.8	23.0	1.8	42.1	30.1
190	29.5	27.4	2.1	50.0	35.7
210	32.6	30.2	2.3	55.2	39.5



## Dosing instructions | Fertigation

Crop	Application date	Dosage in kg / Ha / application
Fruit trees (adult trees)	2 applications: <ul style="list-style-type: none"> <li>• At end of flowering period</li> <li>• Beginning of fruit growth</li> </ul>	200 - 500
Vineyard	Before or just after bud opening until beginning of vegetative growth	100 - 200
Citrus	2 - 3 applications: <ul style="list-style-type: none"> <li>• Mid-winter</li> <li>• Spring</li> </ul>	200 - 500
Vegetables	Mainly for fruity crops	150 - 250
Processing - Potato - Tomato	From tuber initiation until maturation stage. After 1 month of transplantation until maturation stage	100 - 200 150 - 300
Banana	3 applications: <ul style="list-style-type: none"> <li>• At establishment stage</li> <li>• At vegetative growth stage</li> <li>• At flowering and fruit filling stage</li> </ul>	200 - 500

## Dosing instructions | Foliar

Crop	Application date	Dosage ( kg / Ha / appl.)	Application rate in % solution (w/v)
Apple, pear	5 - 10 applications: <ul style="list-style-type: none"> <li>• Early fruit enlargement until 6 weeks before harvest</li> </ul>	5 - 10 *	0.5 - 1.5
Stone Fruits	3 - 4 applications: <ul style="list-style-type: none"> <li>• Early fruit growth until beginning of maturation</li> </ul>	3 - 6*	0.5 - 1.0
Vineyards (adult table grapes)	2 - 3 applications: <ul style="list-style-type: none"> <li>• As of beginning of fruit growth until maturation stage</li> </ul>	4 - 6	0.5 - 1.0
Citrus	2 applications: <ul style="list-style-type: none"> <li>• Spring period</li> <li>• At fruit setting</li> </ul>	6 - 10	0.5 - 1.5
Banana	3 - 4 applications: <ul style="list-style-type: none"> <li>• Vegetative growth stage until flowering</li> </ul>	5 - 10	0.3 - 0.6
Vegetables: - Melons / cucumber - Tomatoes / pepper	From fruitsetting until 2 weeks before harvest, every 2 <sup>nd</sup> week From fruitsetting until harvest, every 10 days	2 - 5 2 - 5	0.5 0.1 - 0.3

\* Total dosage is subject to sensitivity for bitter pit and amount of water used

In case of foliar feeding as part of a spray-mix, testing the intended spray-mix on a small area is recommended prior to commercial treatment.

The mentioned indicated dosages, number of applications, concentration and application stages are subject to soil and climatic conditions, influence of previous crops and other specific conditions. Exact dosages, concentrations and application stages can only be given after an objective diagnostic procedure by e.g. soil, substrate and / or plant analyses.