



**PRODUCT INFO
& DATASHEET**

SICO CALCIUM FORMULATIONS

SICALNIT-L 8.7 N

*High quality technical Calcium Nitrate Liquid Solution
for drip irrigation & foliar application etc.
E.C. Fertiliser*

1/ PRODUCT SPECIFICATIONS (Indicative analysis & physiochemical properties)

Total Nitrogen (N)	8.7 %	(126 g/l)
Nitric Nitrogen (N-NO₃)	8.7 %	
Calcium Oxide (CaO)	17.5 %	soluble in water (254 g/l)
Density	1.45	
pH	4 – 7	

2/ PRODUCT DESCRIPTION

SICALNIT-L 8.7 N is a liquid fertiliser with high calcium and nitrogen content, highly pure, with no chlorides or sulphates, with low salinity. Calcium is indispensable as it helps the formation of cell walls and in particular it is responsible for the physical resistance of the support tissues. SICALNIT-L 8.7 N is indispensable for the prevention or correction of calcium deficiencies, typical symptoms of which are dead leaves, apical rot of tomatoes, physiological dead leaves of melons. SICALNIT-L 8.7 N is a calcium-nitrogen based product, specific to prevent and treat amongst others:

- apical stem rot in tomatoes
- bitter pit
- cracking in cherries, peaches, nectarines, plums
- melon leaf scorch
- stem rot in sweet peppers
- tip burn in lettuce, endive, escarole

Treatments with SICALNIT-L 8.7 N enhance consistency of fruits and therefore also a prolonged shelf life.

Thanks to its purity it can be applied in drip irrigation and in the form of nutritive solutions for hydroponic cultivations.

3/ SPECIAL SUPERIOR QUALITY FEATURES

1. Produced by chemical reaction between nitric acid and hydrated lime
 - > filtration
 - > high-quality, technical calcium nitrate solution
2. **No ammonium nitrate**
 - > **more efficient than solid water-soluble calcium nitrate**
3. Pure nitrate form
 - > rapid and pH neutral in the soil and the nutritive solution

4/ RECOMMENDATIONS FOR USE & DOSAGES

SICALNIT-L 8.7 N can be used in dripirrigation as well as in foliar spraying.

* In greenhouses, it is the main component of the A-tank:

32 Kg (21 l) of SICALNIT-L 8.7 N in 1000 l water: 1 mmol Ca (N-NO₃)₂ in a 100 x concentrated nutritive solution

* In the cultivation of endives, the product is put in the forcing solution coming from A-tank.

* For fruits, it is sprayed during the growth period in order to increase the calcium content, this improves the firmness and conservation (5 l SICALNIT-L 8.7 N in 200 l water/ha).

SOME FURTHER DIRECTIONS FOR USE:

* Drip irrigation and fertirrigation:

- Greenhouse: 6.7 - 10 ltrs. (= 10 - 15 kg) /1000sqm, to be repeated every 2 weeks.
- Open field: 54 - 67 ltrs. (= 80 - 100 kg) /ha over 4 applications.



When to use:

- Vegetables, strawberries: After rooting and during fruit swelling
- Vine: In post-fruit setting and in the grape swelling stage.
- Apples, pears, drupaceous: At vegetative recovery and after fruit setting, in the fruit swelling stages.
- Olives: In the fruit swelling stages.
- Citrus: In the fruit swelling stages.
- Ornamentals, flowers: 2 - 3 interventions during entire growth cycle
- Industrial cultivations: 1 - 2 interventions in the major vegetative growth stages.
- Nursery, seed beds: 2 - 3 interventions during entire growth cycle.

* Foliar application:

- Apples and pears: 300 - 350 ml/hl, 20 days after blossom, with applications every 15 – 20 days until pre-harvesting.
- Vegetables: 300 - 350 ml/hl, 3 treatments at 15 - 20 day intervals, until fruit ripening
- Stone fruits: 300 - 350 ml/hl, 3 treatments at 15 - 20 day from post-setting
- Ornamentals: 300 - 350 ml/hl, 3 every 15 - 20 days.
- Turfgrass: Apply 1 litre per 1000 m² every 2 months in 100 litres of water

The above directions for use should be considered as general recommendations only. It is always advisable to test for compatibility on a small scale (jar test) before full scale mixing.

5/ PACKING

- 10 lt cans, 500 lt per pallet, 10,000 lt/20ft container.
- 200 lt drums, 800 lt per pallet, 8,000 lt/20ft container.
- 1000 lt IBC, 10,000 lt/20ft container.

Attention: Donot use SICALNIT-L 8.7 N with P₂O₅ or SO₄ : risk of clogging in pipes and sprayers.

Company notice: Obey the instructions for protection and caution during treatment with pesticides. The buyer assumes all risk and liability resulting from improper handling or conditions, which are beyond the control of the manufacturer.

The manufacturer shall not be liable for any injury or damage caused by this product due to misuse or incorrect storage or due to applications not stated on the label. Every endeavour has been made to ensure that the information given herein is true and reliable but it is given only for the guidance of our customers. Sap International cannot accept any responsibility for loss or damage or infringement of patent rights that may result from the use of information, due to the possibility of variations of processing or working conditions and of workmanship outside our control. Users are advised to confirm the suitability of the products with their own tests. Any dimensions shown are approximate.