



**PRODUCT INFO  
& DATASHEET**

# SICALNIT-F

## Granular Calcium Nitrate, FERTIGRADE

Nitrogen Calcium compound,  
water soluble NPK 15-0-0 + 26CaO  
E.C. fertiliser – Made in E.U.

### **1/PRODUCT NAME**

SICALNIT-F Fertigation grade calcium nitrate  
E.C. Fertiliser

### **2/ TECHNICAL SPECIFICATIONS**

#### \* Typical technical analysis

|  |      |       |                  |
|--|------|-------|------------------|
| Total Nitrogen (N)                       | min. | 15%   |                  |
| Nitric Nitrogen (N-NO <sub>3</sub> )     | min. | 13.5% |                  |
| Ammoniacal Nitrogen (N-NH <sub>4</sub> ) | max. | 1.5%  |                  |
| Calcium Oxide (CaO)                      | min. | 26%   |                  |
| Calcium (Ca)                             | 19%  |       | soluble in water |

Chloride free

#### \* Physical properties

##### - Sieve & granulometric analysis

|             |      |      |
|-------------|------|------|
| 1 to 4 mm   | min. | 90%  |
| below 1 mm  | max. | 5%   |
| above 10 mm |      | 0.5% |

##### - Color

Ochre to beige

### **3/ RECOMMENDED APPLICATIONS**

#### \* Application

Calcium Nitrate is a typical fertiliser with a last action. It affects favourably the more acid soils, as the calcium from the fertiliser moderates the impact of the soil acidity. It is convenient especially for a regenerative fertilisation of winter crops, for late (qualitative) additional fertilisation of cereals, for additional fertilisation of outspent clover growths, for additional fertilisation of sugar beet, mangel, poppy, maize, green fodder mixtures as well as for an operative elimination of calcium deficit in the nutrition of plants.

#### \* Orientation fertiliser doses

| Growth                    | kg/ha    |
|---------------------------|----------|
| Spring barley             | 250-400  |
| Spring wheat              | 350-450  |
| Root crops                | 500-700  |
| Root vegetables, Cabbages | 180-360  |
| Fruit vegetables          | 180-240  |
| Bulb and leaf vegetables  | max. 180 |
| Early potatoes            | max. 180 |
| Fabaceous crops           | max. 140 |
| Fruit trees               | 180-360  |
| Strawberries              | max. 360 |
| Grapevine                 | 50-100   |
| Greenlands                | 500-900  |

Any information in this publication is believed to be accurate and is given in good faith, but is for the customer to satisfy himself of the suitability for his own particular purpose. No representation, warranty or guarantee is made to its accuracy, reliability or completeness.



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The mentioned doses represent orientation needs of nutrients. For particular crops, the doses as well as the possible dividing of them with the utilisation of valid directions, considering the fertilisation with farm manures and the influence of the previous crop or the objective diagnostic procedures (eg. analyses of soil and plants), are to be specified more accurately.

**4/ ADVANTAGES**

- Suitable for open field crops and foliar applications
- Moistens quickly in the open air (hygroscopic) and is well soluble in water
- Suitable for dry application, top dressing and fertigation with sprinklers and/or water canons (not suitable for drip irrigation)
- Easily accessible nitrogen and calcium for the plants (quick effect)
- Favourable in acidic soils: moderation of impact of soil acidity, due to available calcium
- Compatible with most water-soluble fertilisers

**5/ SAFETY PRECAUTIONS**

Calcium Nitrate can endanger the health, especially when ingested, when it comes into contact with eyes or mucous membranes and at a repeated contact with the skin. The fertiliser dust irritates the skin, the airways and the eyes. It can cause an allergic reaction or even eczemas. When handling the fertiliser, it is necessary to use the protective equipment for protection of the skin and eyes and to avoid eating, drinking and smoking. After the work, the hands must be carefully washed and treated with a regenerative cream. Keep children and unauthorised persons from contact with the product.

**6/ PACKING**

- Available in
- a) 1100 kg big bags on pallets 22 MT/20 ft container
  - b) 25 kg pe bags on plastic foiled pallets, 22.5 MT/20 ft container  
(10 pallets of 1200 kg + 10 pallets of 1050 kg)

Calcium Nitrate is to be stored in stores with a leak proof surface treated floor. The fertiliser must be protected from weather influences so that a secondary pollution and wetting cannot occur. After filling the fertiliser into the store, it is advisable to cover it with a polyethylene sheet.

**7/ ORIGIN**

E.U./Czechia