

# LOVOFERT CN 15,5

Open field fertigation – FG  
Calcium Nitrate (nitrate of lime)



## COMPOSITION, APPEARANCE AND PROPERTIES

LOVOFERT CN 15,5 (calcium nitrate) is a nitrogen fertilizer with a nitrogen content of 15.5 %. It consists of granules with a size of 2 to 5 mm, containing calcium nitrate with hydrate water and about 8 % ammonium nitrate. On the air, it moistens quickly and is well soluble even in a small amount of water.

## APPLICATION

LOVOFERT CN 15,5 is a typical „foliar“ fertilizer with a rapid effect. It shows a very favourable action in rather acidic soils as the calcium contained in the fertilizer reduces the effect of soil acidity. Considering the high mobility of soil nitrogen and the risk of washing out, application of higher calcium nitrate doses is not recommended in light sandy soils, in areas with high total rainfall, and single doses over 300 kg/ha in general.

The fertilizer is recommended especially for regenerative fertilization of winter cereals, for late (qualitative) additional fertilization of cereals, for additional fertilization of weakened lucerne plants, sugar beet, fodder beet, poppy, maize, green fodder mixtures, meadow vegetation, vegetables, and also for operative removal of calcium deficiency in plant nutrition.

LOVOFERT CN 15,5 – FG calcium nitrate is applied in form of a fertilizing solution to the plants or by a top dressing.

## PACKAGING, TRANSPORT AND STORAGE

LOVOFERT CN 15,5 is sold in big-bags or on pallets by 1200 kg in 25 kg bags fixed by a PE-sheet. It is transported in railway wagons, by vessels and by trucks.

Store in original packages, in a dry area, separated from foods and out of reach of children. PE empty packages should be submitted for organized collection of secondary raw materials. Packaged product should be stored in storage areas, in bags stacked on top of each other up to the max. height of 1.5 m or on pallets up to the max. height of 3.5 m.

The fertilizer is very hygroscopic therefore must be stored in original undamaged and closed bags. The fertilizer after bag open is needed to use.

## CHEMICAL AND PHYSICAL PROPERTIES

Quality characteristics	Value
Total nitrogen as N in %	15.5
Ammonia nitrogen as N in %	max 1.2
Nitrate nitrogen as N in %	14.3
Total Calcium as CaO soluble in water in %	26.3
Water-insoluble matter in % max.	0.3

## RECOMMENDED DOSAGE

Culture	Dose in kg/ha
Fruit trees, fully grown	200 – 500 – 2 applications during flowering and at the beginning of fruiting
Watermelons, pumpkins	180 – 240
Spring barley	250 – 400 in the spring
Spring wheat	150 – 200 in the spring, 200 – 250 during the vegetation period
Roots and tubers	250 – 400 in the spring, 250 – 400 during the vegetation period
Greenlands	200 – 600 in the spring, 300 – 600 during the vegetation period
Root vegetables, brassicas	200 – 600 in the spring, 300 – 600 during the vegetation period
Fruit vegetables	180 – 240 during the vegetation period
Bulb and leaf vegetables	max. 180 during the vegetation period
Early potatoes	max. 180 during the vegetation period
Legumes	max. 140 during the vegetation period
Pome and stone fruits, small fruits	180 – 360 during the vegetation period (based on fruitfulness level)
Strawberries	max. 360 during the vegetation period
Grapevine	50 – 100 during the vegetation period



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Terežínská 57, 410 02 Lovosice  
www.lovochemie.cz