



SANICALCE

Mycronised superventilated hydrated lime.

Ideal for the sanitization of shelters for farmyard animals, realization of ecological and sanitizing paints, various uses in agriculture and gardening.

Product description

SANICALCE is a mycronised super ventilated hydrated lime produced by extinguishing the calcium oxide obtained through cooking in modern regenerative furnaces, with high purity limestone ($\text{CaCO}_3 > 98\%$).

A highly automative plant guarantees a high productivity and a constant control on each working process. Daily checks in laboratory guarantee the quality.

Fields of use

SANICALCE is a natural protection that works like a biologic barrier, without chemical additives, to protect and sanitize respecting the environment and can be used to:

- Sanitize farmyard animals shelters
- Rectify acidity in agricultural fields
- Fertilize garden and vegetable garden
- Protect fruits trees by painting (mix of water + SANICALCE)
- Neutralize acid discharge waters
- Realize plasters and mortars
- Reclaim contaminated fields

SANICALCE can on top be mixed with copper to obtain a nutritious solution based on copper, sulphur and calcium, applicable also on leaves, to nourish and fortify the plant.

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Supply

SANICALCE is supplied in 8 kg buckets.

Plants nourishment

In agriculture calcium oxide is used as sterilizer and neutralizer of land's acidity, generally coming out due to various and complex phenomena. The excess of acidity of the land influences heavily the growth of agricultural crops; the dosing of lime helps the perfect absorption of main nutritious elements.

Calcium is useful in plants physiology because it is intervening in:

- Processes of cellular division and distension;
- Resistance of tissues and pollen formation;
- Development of root system.

Soil structure

The presence of calcium influences positively also the physical and mechanical properties of the soil; it facilitates the structural aggregation phenomena, improving the water permeability and bringing the pH value closer to neutral point, that is pH 7. With a good treatment of the soil it is possible to obtain an optimal yield of the cultures.

Micro-organisms growth

The biological conditions for the presence of useful microorganisms are favourable only in soils rich in calcium. The addition of lime to soils, therefore, has an influence on the growth of bacteria and the formation of nitrates, which can be seen from the rapid increase in the formation of CO₂, combination of nitrogen and enzyme formation. The lumpy structure of the soil is favoured by annelids, in particular earthworms, whose tunnels favour the water regime by diverting excess meteoric water into the subsoil.

Phenomena of lime deficiency

In all agricultural land the lime is subtracted from the erosion and the continuous subtraction of crops. If these losses are not compensated, in a short time there are lime deficiency phenomena that occur mainly at the beginning of the growing period, just when the absorption of nutrients is maximum. With light soils such phenomena occur first in the form of acid damage, in consistent soils as structural damage.

Additions of lime

However, the loss of lime is not only due to the deductions due to the above reasons, but also due to certain mineral fertilizers, which exert an influence of acidification in the soil. Therefore, before carrying out the process, a careful evaluation of the soil itself is necessary. To create or maintain favourable growing conditions for useful plants, lime losses should be replenished quickly.

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Technical data according to UNI EN 459-1

Aspect	powder
Classification	CL 80-S
Title	CaO + MgO \geq 80%
Specific weight in heap	< 500 kg/m ³
Humidity	\leq 0,1%

Avvertenze

Do not use product as a food additive because it does not comply with the requirements of D.M. No 356/1997. Keep away from humidity.

v. 07/2020

The reported data refers to Quality Control tests in standard environmental conditions. Practical applications in the construction sites may detect significantly changed data, depending on operating conditions, so the information on the Card is only indicative because the user must always check its suitability for intended use of the product by taking responsibility for the use. Fornaci Calce Grigolin S.p.A. reserves the right to make technical changes of any kind without prior notice.