



CALCIORGANICO®

CORRECTION- DEFECATION LIME AIMED TO THE CORRECTION OF ACID OR SODIUM-RICH SOILS, PRONE TO LIMING

Organic matrix obtained from a mixture of humified manures (cattle manure, poultry manure)

Calcium carbonate



PACKAGING BAG kg 25 on kg 1500 pallet
BIG BAG kg 500
BULK



CALCIORGANICO® / Features:

- Physical state: homogeneous cylinder-shaped pellet with a medium diameter of 3 - 4 mm and a medium length of 5 - 7 mm.
- The organic composition is made of Humus, which is directly active in the soil and derives exclusively from the mixture and humification of selected manure (cattle and avicultural manure) that underwent a process of Fermentation-Humification for nine months;
- The product does not undergo processes of artificial essication (through ovens or hot air);
- The mineral calcareous component added results finely grinded and has a "rapid effect" if mixed with the soil; it is finalized to the balance and aims to the neutrality of acid conditions of pH.

CALCIORGANICO® / as a correction:

Usage as a correction in acid soil

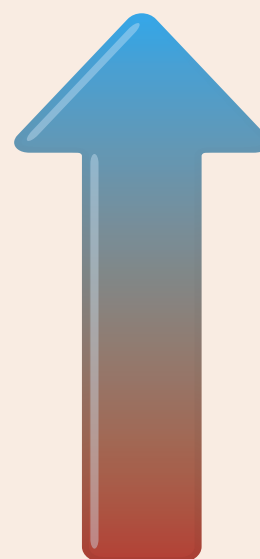
As known, a soil with an acid pH represents an agronomical issue for the following reasons:

- low or absent microorganism activity in biological processes of the soil and of the crop (for example radical growth)
- it determines a poor decomposition of the organic substance if crop residuals are buried
- strong Phosphorus insolubility with inability of absorption performed by the roots
- the H⁺ ion replaces the K⁺ ion in the colloids, determining a leaching of Potassium
- general condition of difficulty for the maintenance of a good structure in the soil, when the environment is not suitable for a good rooting in the plants.

Usage on Sodium-rich saline soils

CALCIORGANICO® can also be used for soils that have an elevated rate of salinity, in particular the ones rich in Sodium. As it is known, Calcium given to the ground acts as an "exchange" effect, replacing and freeing colloids from the Sodium ion, that is in this way pushed away. The action of improvement on soil fertility and on its structure is completed with the organic substance that comes from humified manure.

Basic pH soil=
8-8,5



Acid pH soil=
5-5,5

AVERAGE CONTENT ON THE SUBSTANCE AS SUCH

Total Calcium carbonate (CaCO ₃)	60%
Total organic Nitrogen (N)	1-1,5%
Organic Carbon (C)	12-14%
Organic substance	40%
Organic humified substance	20-22%
pH (indicative)	8-8,5
Total Magnesium oxide (MgO)	7%
Total organic phosphorus pentoxide (P ₂ O ₅)	0,5-1%
Total organic Potassium oxide (K ₂ O)	0,5%

Calcium oxide (CaO)	22,4%
Humification grade (DH)	22-24%
Humification rate (HR)	12-14%
Specific weight	0,8-0,9 kg/l

MICROORGANISMS (calculated in UFC/GR)	
Total aerobic bacterial rate	485.000.000
Total anaerobic bacterial rate	230.000.000

For an appropriate usage of the product **CALCIORGANICO®** it is recommended: the reading of the soil analysis, especially for the pH and the type of structure (sandy, silty, clayey).

PERIOD OF APPLICATION

- distribute in open field and bury during during ground preparation;
- for horticultural and extensive crops, distribute before seeding or transplant;
- optimal for extensive crops on seeding, the distribution of the product before burying vegetal residuals;
- optimal as a sanitizing effect after sewage distribution;
- bury in open field or on the line for new arboreal implants; if these are in production and grassed, apply another mulching in order to facilitate the product dissolution.

Thanks to its organic component, the product does not undergo leaching.

Quantities that need to be used can vary in relation to fertility and climatic parameters, typical of the area where the product is goin:

OPEN FIELD SPREADING

Background correction 1500 - 2000 kg/ha

Maintenance correction 800 - 1200 kg/ha

NUTRITIONAL USAGE FOR TYPE OF CULTIVATION

CEREAL EXTENSIVE CROPS



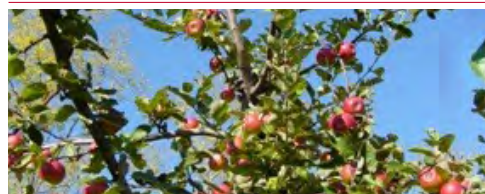
600-800
kg/ha

FORAGE CROPS



700-800
kg/ha

ARBOREAL CROPS



800-900
kg/ha

VEGETABLE GARDEN



700-900
kg/ha

The crops indicated are representative of each category; **CALCIORGANICO®** can be used for numerous other types by employing the same method.

Product should not be in contact with plant's roots. The product is for professional use only. **Keep out of reach of children and animals**



The analytical data written on packaging follow the instruction of the regulation in force. All data included in this publication are indicative. FOMET reserves the right to change them without prior notice.



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