NATURAL ZEOLITE CHABASITE C20

Product allowed in organic farming

CORROBORANT

- PLANT DEFENCE BOOSTER.
- NATURAL ORIGIN SUBSTANCE THAT ENHANCES PLANT RESISTANCE TO BIOTIC AND ABIOTIC STRESSES.

It is a natural volcanic substance with a high and selective cation-exchange capacity.

IDEAL FOR:

- Treatment of leaves for the protection against insects and pathogens.
- Neutralization of harmful elements, ammonium, heavy metals and organic molecules.
- Absorption of odorous gases, ammonia, hydrogen sulphide, mercaptans.
- Improving the use efficiency of fertilizers by reducing their quantity.
- To be used in addition to cultivation substrates or as soil conditioner.

PHYSICAL AND CHEMICAL PROPERTIES:

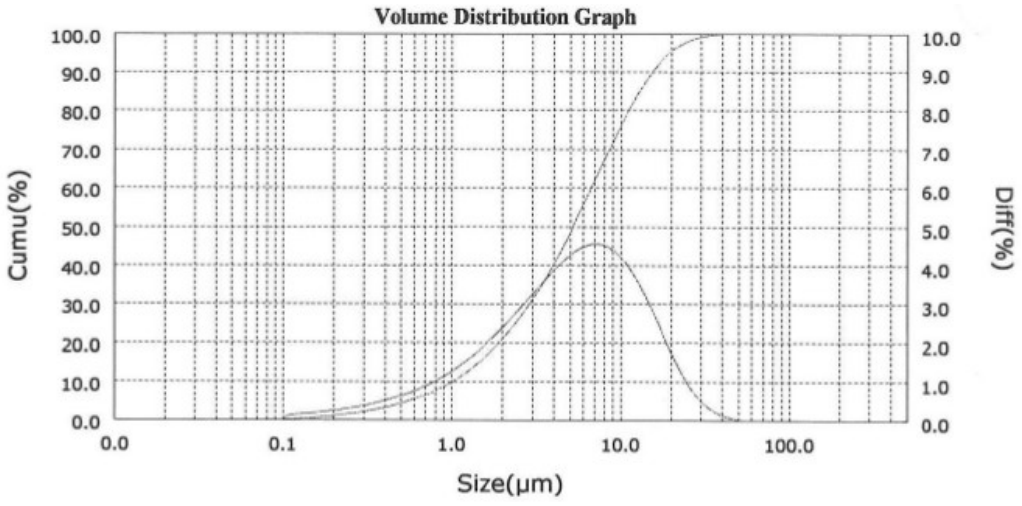
- Total zeolitic content: approx. 55%-65% (Chabasite 55÷60%; Phillipsite 3÷6%; Analcime 3÷5%)
- Total cation-exchange capacity: approx. 200-220 mEq/100 g *(200-220 mEq/0.22lb)*
- Specific weight: approx. 2,200 kg/m^3 *(137.34 lb/ft^3)*
- Apparent specific weight: approx. 700-850 kg/m^3 *(43.70-53.06 lb/ft^3)*
- Water absorption: approx. 35%

Product free from Crystalline Silica

AVERAGE CHEMICAL ANALYSIS On an average sample representative of quarry fronts	
SiO_2	49-51%
Al_2O_3	12-15%
Fe_2O_3	3.5-4.5%
CaO	2.8-3.5%
Na_2O	0.5-0.7%
MgO	1.0-1.5%
K_2O	5.5-6.5%
pH	7-8

Granulometric analysis

GRAIN SIZE FRACTIONS 0-20 µm *(635- US Mesh)*	
DIAMETER	GRAIN SIZE
10 %	< 1.00 µm
50 %	< 5.00 µm
98 %	< 25.00 µm



APPLICATION IN THE TREATMENT OF LEAVES:

Thanks to the specific crystalline structure of micronized zeolite and to its capacity to absorb excess moisture, with simple applications on the leaves it is possible:

- to create a real barrier against phytophagous insects with a piercing and sucking apparatus
- to effectively prevent attacks by and development of fungal pathogens
- to obtain a healing effect on the lesions caused by hail and parasite action
- to increase resistance to the burning action of the sun, UV rays, sudden changes in temperature, high temperatures.

RECOMMENDED DOSAGE AND METHOD OF USE

Liquid treatment

Vine - Olive

Dosage: 300-400 g/hl (Kg 3-4/ha). When: after plant revival, every 7-15 days depending on rain and/or moisture. On bunches and fruits, until the start of the veraison period, 2-3 treatments in order to improve mechanical resistance of bunches and fruits.

Fruit trees

Dosage: 200-300 g/hl (Kg 2-3/ha). When: from post-blossoming to fruit growing period, every 7-15 days depending on rain and/or moisture.

Actinidia – Citrus fruits

Dosage: 300-400 g/hl (Kg 3-4/ha). When: after plant revival, every 7-15 days depending on rain and/or moisture. On fruits, until the start of the veraison period, 2-3 treatments in order to improve mechanical resistance of bunches and fruits.

Fruit plants

Dosage: 200-300 g/hl (Kg 2-3/ha). When: from post-blossoming to fruit growing period, every 7-15 days depending on rain and/or moisture.

Leafy vegetables and aromatic plants

Dosage: 200-300 g/hl (Kg 2-3/ha). When: once every 7 – 10 days

Product allowed in organic farming

STORAGE: store the product in a sheltered and dry place

*The corresponding **Imperial Measurements** are shown in brackets.*

This product is a natural raw material. All the above data are approximate values and do not represent any contractual warranty.