

# ZEOLITITE ZEM70

## Chabazite zeolitite

### IMPROVER, STRENGTHENER AND ENHANCER OF THE NATURAL DEFENCES OF PLANTS

#### PROPERTIES

Rock whose main content is chabazite zeolite, CEC=210 meq/100 g, water retention=30/40% w/p, bulk density=0,7/1,0 g/cm<sup>3</sup>. Bal-co Green Line ZEOLITITE is guaranteed, in accordance with the analysis methods described in the attached DL N.1337 of 24/1/2014, about Cation Exchange Capacity (CEC) and quali-quantitative characterization of the crystalline and amorphous phases, performed with the RIETVELD method.

CHEMICAL ANALYSIS	Typical
SiO <sub>2</sub>	51.0%
Al <sub>2</sub> O <sub>3</sub>	17.5%
CaO	5.8%
K <sub>2</sub> O	6.2%
Fe <sub>2</sub> O <sub>3</sub>	3.4%
MgO	1.7%
Na <sub>2</sub> O	0.5%
TiO <sub>2</sub>	0.5%
MnO	0.2%
P <sub>2</sub> O <sub>5</sub>	0.2%
LOI	13.0 %
Pb	12 ppm
As	4 ppm
Cd	2 ppm
Zn	15 ppm
Cu	Traces

MINERALOGIC COMPOSITION	Average
Chabazite	65%
Phillipsite	3%
K-feldspar	5%
Biotite	2%
Pyroxene	3%
Volcanic glass	22%
Total zeolite content	68%

GRANULOMETRY	Typical
GRANULOMETRIC CURVE with CILAS930E	
D10	2 µm
D50	8 µm
D90	20 µm
Average diameter	10 µm

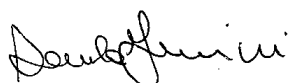
#### PRECAUTIONS FOR USE

**Rock powder** is a natural product, completely safe for humans, animals and helpful insects. Keep the container well closed in a dry, fresh and frost-free place. Keep away from light and at a temperature of between 5 °C and 40°C. Keep away from heat. All uses which are inappropriate and differ from proper agricultural methods are strictly forbidden. Keep locked up and away from children and pets. This product is for agricultural use only. Producers, distributors and sellers decline every responsibility for a incorrect conservation, use and application of the product.

**Average moisture: 2%**

Ed. 1 of 19/07/17

This data sheet undoes and substitutes the previous one.



Bal-Co  
**GreenLine**  
AGRICULTURE AS STRONG AS A ROCK



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# DATA SHEET

## ZEM 70 Chabazite zeolitite

This product and all its components are usable in biological agriculture, in accordance with 834/2007 and 889/2008 EC Regulations. Permission is not required in accordance with DM of 27/11/2009, n° 18345



SUSTAIN



PROTECT



FEED

**IMPROVER, STRENGTHENER AND ENHANCER OF THE NATURAL DEFENCES OF PLANTS.  
100% rock powder. Product obtained by mechanical milling of non-polluting zeolites.**

- Particularly effective on the treatment of leaves, its pseudocubic crystalline morphology makes surfaces very thorny, creating a protective barrier against pests and fungal attacks.
- Very high and selectivity cation exchange capacity of ZEM70 chabazite zeolite, combined with a high molecular absorbance property and hydrophilia, increases PREVENTIVE self defence of plants, increasing QUALI-QUANTITATIVE YIELD.
- Peculiar reversible hydration-dehydration property reduces temperature change and is able to protect both young buds and fruits from the burning action of sun, and also mitigates damage caused by spring frosts when temperatures drop.
- It is a natural product, so it can be used when chemical products are forbidden, without phytotoxicity problems.

### DOSAGE AND METHOD OF USE

#### KITCHEN GARDEN/FRUIT CULTIVATION:

Liquid treatment: 3/6 kg on 500 L of water per hectar

#### VITI-CULTURE:

Liquid treatment: 3/6 kg on 500 L of water per hectar

#### POWDER TREATMENT:

#### FLORI-CULTURE:

Liquid treatment: 3/6 kg on 500 lt of water per hectar

### PERIOD

In the post-blossoming/fruit growing period, treat every 7-12 days depending on rain or moisture.

After plant revival, treat every 7-12 days depending on rain or moisture. On young grapes, close to the veraison period, 2-3 treatments in order to improve mechanical resistance of grapes.

Use ZEM70 when the use copper salts is prohibited to prevent botrytis, using 12/16 kgs per hectar of the material alone, or 6/8 kg combined with formulation of copper and sulphur salts, to improve performance.

Twice a week for a better-growing of plants.

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