



Dalla natura... alla natura

ZEORAME

ZEORAME^{Micro}

ZEORAME³⁰ WP

COPPER-BASED PRODUCTS WITH ZEOLITE AND MICROELEMENTS



STRENGTHS



- PREVENT AND TREAT COPPER (Cu) AND OTHER MINERAL ELEMENTS (SiO₂, F₂O₃, MgO, CaO, K₂O ecc...) DEFICIENCIES;
- ENHANCE THE NATURAL PLANT SELF-DEFENCE MECHANISMS TOWARDS BIOTIC ADVERSITIES (DOWNY MILDEW, BACTERIAL DISEASES, SEPTORIA, ALTERNARIA...);
- INCREASE THE PLANT RESISTANCE TO THERMAL STRESS (UV-IR);
- DO NOT STAIN THE VEGETATION AND FRUITS – MORE RESISTANCE TO RUN-OFF;
- LIMIT THE EXCESS OF HUMIDITY (BOTRYTIS PREVENTION);
- IDEAL FOR THE USE IN IV RANGE PRODUCTS AFTER CUTTING (CICATRIZE WOUNDS);
- CREATE HOSTILE ENVIRONMENT TO PEST ORGANISMS.



AUTHORIZED IN ORGANIC AGRICULTURE



PACKAGE

Bags
1 - 3 - 10 Kg



ZEORAME CHEMICAL-PHYSICAL PROPERTIES

Formulation: Powder
pH (sol. 1%): **4,7 ±1**
Conductivity [1%] mS/cm 18° C: **0,33**

ZEORAME Micro CHEMICAL-PHYSICAL PROPERTIES

Formulation: Powder
pH (sol. 1%): **6,0 ±1**
Conductivity [1%] mS/cm 18° C: **0,96**

ZEORAME 30 WP CHEMICAL-PHYSICAL PROPERTIES

Formulation: Powder
pH (sol. 1%): **8,0 ±1**
Conductivity [1%] mS/cm 18° C: **0,17**

CHARACTERISTICS

ZEORAME, ZEORAME Micro and ZEORAME 30 WP are products containing Copper (Cu) sulphate and hydroxide with vegetal extracts and a specific Zeolitic inert of natural origin, not chemically treated or enriched.

Copper is a trace element essential for plants; it plays an important role because it is involved in **redox reactions** of the metabolic processes and is contained in antioxidant enzymes as the **Ferroxidase**, essential for the Iron transportation.

Moreover, "**Cupric forms**" can bind, for a 70-80 %, to mineral elements (silicates, carbonates, K, P, Mg, Fe, Mn, Al..) naturally contained in Zeolites and **able to persist for an extended time on leaves**.

This feature allows products to act for more time and release gradually its components. The copper "unbound" to minerals is immediately available, while copper "bound" to minerals is released gradually over time. The cession of total copper is less than traditional salts and conventional treatments; this is totally beneficial to plants and respects the reduction of the amount admitted in Organic Agriculture (doses Kg/ha of Cu).

ZEORAME MICRO contains Copper (Cu) hydroxide, Iron (Fe), Manganese (Mn), Zinc (Zn) and tannins.

ZEORAME contains Copper (Cu) hydroxide, sulphate, and **tannins**.

ZEORAME 30 WP is a product at high content of Copper (Cu) hydroxide, oxchloride, integrated with tannins.


Tannins in **ZEORAME, ZEORAME Micro and ZEORAME 30 WP** are products of the plant metabolism for **self-defence**.

In conclusion, these three products, by foliar application perform the following functions:

- prevent and cure the physiological disorders, dues to the deficiencies of mineral elements;
- enhance the plant endogenous resistance.




ZEORAME COMPOSITION

Total Copper (Cu)  17,5 %
Water soluble Copper (Cu) 4,5 %


Copper (Cu) hydroxide 13% + Sulphate 4,5%

ZEORAME 30 WP COMPOSITION

Total Copper (Cu)  30,0 %

Copper (Cu) oxychloride 25% + hydroxide 5%

ZEORAME MICRO COMPOSITION

Total Copper (Cu)  10,0 %
Water soluble Iron (Fe) 2,0%

Water soluble Manganese (Mn) 0,5 %

Water soluble Zinc (Zn) 0,5 %

Copper (Cu) hydroxide 10%

DOSES AND METHODS OF USE

CROPS

FOLIAR APPLICATION



Viticulture	3 -4 kg/ha diluted in 800 – 1000 L of water
Olive tree, hazelnut, walnut	3 -4 kg/ha diluted in 800-1000 L of water
Kiwi, apple, pear, peach, and other stone fruits	Autumn-Winter applications 5-7 kg/ha diluted in 800-1000 L of water
Citrus fruits	3 - 4 kg/ha diluted in 800-1000 L of water
Sugar beet, Carrot	2,5 - 3 kg/ha diluted in 800-1000 L of water
Potato, tomato, pepper, zucchini	3,0 - 3,5 kg/ha diluted in 800-1000 L of water
Artichoke, cabbage, chicory (radicchio), peas, spinach, melon, watermelon, cucumber, fennel, radish	2 - 2,5 kg/ha diluted in 700 – 800 L of water
Strawberry	Vegetative restart 2 - 3 kg/ha diluted in 700-800 L of water
Leaf horticultural crops (4th range), Lettuce, Aromatic herbs, endives	1,5 - 2 kg/ha diluted in 600 – 700 L of water
Rice, wheat, cereals, and legumes	2 - 3 kg/ha diluted in 700 – 800 L of water
Plants in nursery	From 150 to 250 g/hl
NEBULIZATION: 0,8-1,0Kg x 1000 m ²	All crops 0.8-1.0 kg x1000 m ² after the cutting of leaf horticultural crops (4th range)

N.B. Do not mix with alkaline reaction products. Do not mix with organic products and in particular with hydrolysed proteins. Before mixing with plant protection products or other fertilizers, make preliminary compatibility tests. Do not employ during flowering on pome and stone fruits (peaches, plums, apples, pears...) - **In greenhouse:** do not overcome 2 kg/ha

The information in this brochure is indicative. When applying the products, carefully follow the instructions and warnings on the label. The manufacturer declines all responsibility for the consequences deriving from improper use of the products.



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FERTENIA s.r.l.

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Fertenia is:

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Manufacturer:

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Chelated EDTA - Fe - Mn - Zn - Cu
Organic fertilizers