



Dalla natura... alla natura

ZEORAME

ZEORAME^{Micro}

ZEORAME 30 S

ZEORAME 5^{WP}

COPPER-BASED PRODUCTS WITH ZEOLITE AND MICROELEMENTS



Product suitable for use in Organic Agriculture according to EU regulation 2018/848, annex II EU regulation 2021/1165.
INSPECTED BY ECOCERT SA F-32600.



AUTHORIZED IN ORGANIC AGRICULTURE



PACKAGE
Bags
1 - 3 - 10 Kg



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.



ZEORAME CHEMICAL-PHYSICAL PROPERTIES

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

ZEORAME 5 WP CHEMICAL-PHYSICAL PROPERTIES

Formulation: Powder
pH (sol. 1%): **7,5 ±1**
Conductivity (1%) mS/cm 18° C: **0,72**

ZEORAME Micro CHEMICAL-PHYSICAL PROPERTIES

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

ZEORAME 30 S CHEMICAL-PHYSICAL PROPERTIES

Formulation: Powder
pH (sol. 1%): **7,0 ±1**
Conductivity (1%) mS/cm 18° C: **0,20**

CHARACTERISTICS

ZEORAME, ZEORAME Micro and ZEORAME 30 S 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 S is a product at high content of Copper (Cu) hydroxide, oxychloride, integrated with tannins.


Tannins in **ZEORAME, ZEORAME Micro and ZEORAME 30 S** 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% | | |

COMPOSITION ZEORAME 30 S

| | | |
|--|---|--------|
| Copper (Cu) total, as Oxochloride |  | 25,0 % |
| Copper (Cu) total, as Sulphate | | 5,0 % |
| Manganese (Mn) water-soluble |  | 0,5 % |
| Zinc (Zn) EDTA chelated, water-soluble | | 0,1% |
| Powder: >90% of the product < 20µm | | |

The product contains inerts of natural origin such as zeolitic powder.

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% | | |

ZEORAME 5 WP COMPOSITION

| | |
|-----------------------------------|-------|
| Total Copper (Cu) | 5,0 % |
| Water soluble Zinc (Zn) | 0,5 % |
| Rame (Cu) Ossicloruro 5,0% | |

ZEORAME 30 S - DOSES AND METHOD OF USE

CROPS

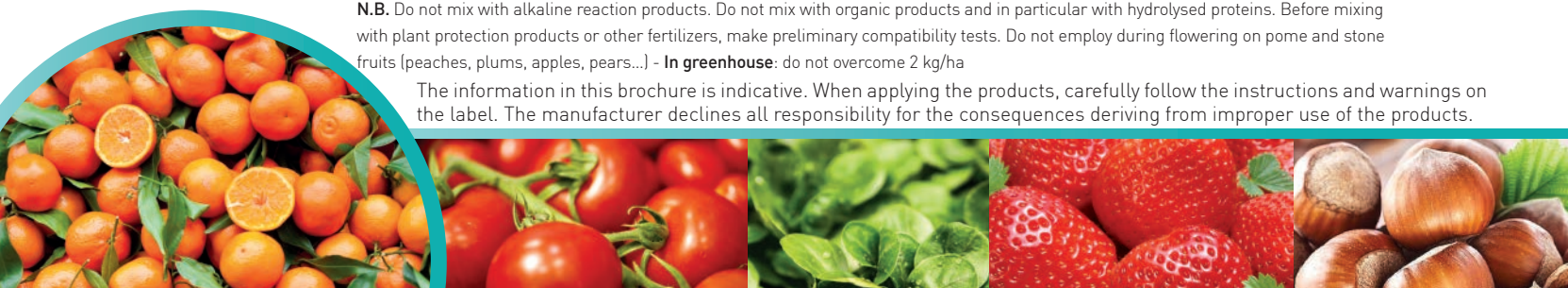


FOLIAR APPLICATION

| | |
|--|---|
| Viticulture | 200-300 gr/hl - (Normal Volume) - 2,0-3,0 kg/ha (Low Volume) |
| Olive, hazelnut, walnut, chestnut | 250-300 gr/hl - (Normal Volume) - 2,5-3,0 kg/ha (Low Volume) |
| Actinidia, apple, pear, peach, almond and other stone fruits | Autumn winter applications: 0,5-0,6 kg/hl (Normal Volume) 5-6 kg/ha (Low Volume) |
| Citrus fruits | 250-300 gr/hl - (Normal Volume) - 2,5-3,0 kg/ha (Low Volume) |
| Sugar beets, Carrot | 200-250 gr/hl - (Normal Volume) - 2,0-2,5 kg/ha (Low Volume) |
| Potato, tomato, pepper, courgette, garlic and onion | 200-250 gr/hl - (Normal Volume) - 2,0-2,5 kg/ha (Low Volume) |
| Artichoke, cabbage, chicory, pea, spinach, melon watermelon, cucumber, fennel, radicchio, radish | 200-250 gr/hl - (Normal Volume) - 2,0-2,5 kg/ha (Low Volume) |
| Strawberry | Vegetative recovery: 150-250 gr/hl (V.N.) - 1,5-2,5 kg/ha (Low Volume) |
| Leafy vegetables (baby-leaf), Lettuce, endives, Aromatic | 150-200 gr/hl - (Normal Volume) - 1,5-2,0 kg/ha (Low Volume) |
| Rice, Wheat, Cereals and Legumes | 200-250 gr/hl - (Normal Volume) - 2,0-2,5 kg/ha (Low Volume) |
| Seedlings in the nursery | 150-200 gr/hl - (Normal Volume) - 1,5-2,0 kg/ha (Low Volume) |
| FERTIGATION: 0,8-1,0Kg x 1000 m ² | ALL CROPS after the mowing leaf vegetables |

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:
Research & Development
Nutraceutical applied to agricultural crops

Manufacturer:
Phyto-fortificant - Resistance inducers
Biopromoters - Biostimulants of plant origin
Fertigation products
Foliar and special fertilizers
Microelements
Chelated iron EDDHA
Chelated EDTA - Fe - Mn - Zn - Cu
Organic fertilizers