



ZEORAME

ZEORAME[®] Micro

ZEORAME[®] 30 S

**COPPER PRODUCTS (Cu)
WITH PLANT AGGREGATES, ZEOLITES
AND TRACE ELEMENTS**



STRENGTHS



- **ZEORAMES** GRADUALLY RELEASE THEIR CONSTITUENTS AND INCREASE THEIR PERSISTENCE ON THE LEAVES
- PREVENT AND TREAT MICROCRACKS
- ROCK POWDER PROTECTS VEGETABLE ORGANISMS AND FRUIT FROM SUBURN AND THERMAL SHOCK (UVA and UVB)
- NO SOILING OF VEGETATION AND FRUIT - BETTER RESISTANCE TO LEACHING
- CONTAIN EXCESS HUMIDITY
- SUITABLE FOR USE IN LEAFY-CUT VEGETABLES AFTER EACH MOWING OPERATION **(Healing the lesions produced)**
- COPPER AND ZEOLITES "CAMOUFLAGE" THE DRUPE AND DISCOURAGE OLIVE FLY OVIPOSITION



Allowed
in organic
farming



PACKAGE

Bags
1 - 3 - 10 Kg



ZEORAME, ZEORAME Micro and ZEORAME 30 S FEATURES

ZEORAME, ZEORAME micro and ZEORAME 30 S are products containing Copper (Cu) with a specific vegetable inert and Zeolite of natural origin, neither treated nor chemically enriched. Copper is an essential trace element for plants; it plays an important role as it is involved in **oxidation-reduction** reactions that take place in metabolic processes and is part of antioxidant enzymes such as **ferroxidase, which is essential for iron transport**. In addition, the "**Copper forms**" they contain **bind 70-80% of** the minerals (Silicates, Carbonates, K, P, Mg, Fe, Mn, Al) naturally contained in the Zeolites and **able to persist for a long time on the leaves**.

This characteristic allows the products to act for longer and release their constituents in a **differentiated manner**. As a result, **Copper 'NOT bound'** to minerals is immediately available, while copper 'bound' to minerals is released gradually over time. The **release of total copper metal is lower** than with traditional salts and conventional treatments; this is to the total benefit of the plants and in **compliance with the reduction of the quantities permitted in organic farming (doses of Cu kg/ha)**.

Although the three products possess such similarities, they have certain characteristics that distinguish them:

- **ZEORAME MICRO** consists of **Copper (Cu) hydroxide** and is enriched with micronutrients such as iron (Fe), manganese (Mn), zinc (Zn) and tannins;
- **ZEORAME** contains **Copper (Cu) hydroxide, sulphate and tannins**;
- **ZEORAME 30 S** is a formulation with a high content of copper [Cu] oxychloride and hydroxide, supplemented with tannins

The **tannins** present in **ZEORAME MICRO, ZEORAME** and **ZEORAME 30 S** are produced by the metabolism of plants and act directly on systemic resistance mechanisms (**SAR-acquired / SIR-induced**).

ZEORAME - DOSES AND METHODS OF USE

CROPS	FOLIAR APPLICATION
Viticulture	250-300 g/hl - (Normal Volume) - 2,5-3 kg/ha (Low Volume)
Olive, hazelnut, walnut, chestnut	250-350 g/hl - (Normal Volume) - 2,5-3,5 kg/ha (Low Volume)
Actinidia, apple, pear, peach and other stone fruits	Autumn-winter applications: 0,6-0,7 kg/hl (Normal Volume) 6-7 kg/ha (Low Volume)
Citrus fruits	250-350 g/hl - (Normal Volume) - 2,5-3,5 kg/ha (Low Volume)
Sugar beet, Carrot	250-350 g/hl - (Normal Volume) - 2,5-3,5 kg/ha (Low Volume)
Potato, tomato, pepper, courgette, garlic and onion	250-300 g/hl - (Normal Volume) - 2,5-3 kg/ha (Low Volume)
Artichoke, cabbage, chicory, pea, spinach, melon, watermelon, cucumber, fennel, radicchio, radish	250-300 g/hl - (Normal Volume) - 2,5-3 kg/ha (Low Volume)
Strawberry	Sprouting: 200-250 g/hl (N.V.) - 2,0-2,5 kg/ha (Low Volume)
Baby leaf, Fresh-cut vegetables, Lettuce, Endives, Aromatics	200-250 g/hl - (Normal Volume) - 2,0-2,5 kg/ha (Low Volume)
Rice, Wheat, Grains and Leguminous plants	250-300 g/hl - (Normal Volume) - 2,5-3 kg/ha (Low Volume)
Plants in nurseries	200-250 g/hl - (Normal Volume) - 2,0-2,5 kg/ha (Low Volume)
CROPS	FERTIGATION - SPRAYING
ALL CROPS after cutting in Leafy-cut vegetables, Fresh-cut leaf, baby leaf	3-4 kg/ha

N.B. Do not mix with products with alkaline reaction. Do not mix with organic products and in particular with protein hydrolysates. Before mixing with crop protection agents or other fertilisers, carry out preliminary compatibility tests. Do not use the products during flowering on pome and stone fruit (peach, plum, apple, pear...). **In greenhouse:** do not exceed 2 kg/ha

ZEORAME COMPOSITION

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

Copper (Cu) Hydroxide 13% + Sulphate 4.5%

Other ingredients: Zeolite (Chabasite), Tannins

ZEORAME MICRO COMPOSITION

Copper (Cu) Total	10,0 %
Water-soluble iron (Fe)	2,0%
Water-soluble manganese (Mn)	0,5%
Water-soluble zinc (Zn)	0,5%

Copper (Cu) Hydroxide 10%

Other ingredients: Zeolite (Chabasite), Tannins

ZEORAME 30 S COMPOSITION

Copper (Cu) total,	30,0 %
Manganese (Mn) water-soluble	0,5 %
Zinc (Zn) EDTA chelated, water-soluble	0,1 %

Copper (Cu) Oxychloride 25% + Sulphate 5.0%

Powder: >90% of the product < 20µm

Other ingredients: Zeolite (Chabasite), Tannins

**CHEMICAL-PHYSICAL PROPERTIES**

Formulation: **Powder**
pH (sol. 1%): **4.7 ±1**
Conductivity (1%) mS/cm 18° C: **0.33**

**CHEMICAL-PHYSICAL PROPERTIES**

Formulation: **Powder**
pH (sol. 1%): **6.0 ±1**
Conductivity (1%) mS/cm 18° C: **0.96**

**CHEMICAL-PHYSICAL PROPERTIES**

Formulation: **Powder**
pH (sol. 1%): **7.0 ±1**
Conductivity (1%) mS/cm 18° C: **0.20**

NB: To be used only in case of recognized need. Dosage and method of use: **see label** . Do not exceed the application doses indicated on the label



Before use, carefully read the hazard (H) statements on page 172.

