



HORUS

BIOFERTILIZER FOR GRAPEVINE



FEATURES

AGRIBIO HORUS AGRIBIO HORUS allowed in organic agriculture promotes the formation of secondary metabolites such as subtilisin and indolacetic acid, whose hormone-like action favors a ready and uniform vegetative growth.

The PGPR bacterial strains of HORUS promote the growth of the plant through the production of phytohormones, the treated plants take on a more intense green color due to hormonal substances (indolacetic acid), and the formation of siderophores, effective chelators of organic iron.

The microorganisms contained in HORUS compete for space and nutrition with the harmful microflora, present on the fruits and leaves, contrasting their development thus contributing to keeping the aerial part of the plant healthy, the presence of particular series of actinomycetes promotes the secretion of capable antibiotic substances to increase resistance to different types of fungal and bacterial diseases. Humic substances exert a direct effect on the plant by stimulating rhizogenesis and have a positive effect on the activity of the radical transporters involved in the absorption of nitric nitrogen. The greater radical development and the higher activity of the nitrate radical transporters translate into a greater efficiency of absorption and assimilation of inorganic nitrogen by the culture.

They also positively influence the secondary metabolism, promoting the accumulation of antioxidants and the activity of the defense enzymes from oxidative stress caused by free radicals that are generated as a result of environmental stress. Protein hydrolysates have biostimulant properties, improving the absorption and assimilation of nutrients (e.g. nitric nitrogen and iron), tolerance to environmental stresses (salinity, drought, extreme temperatures) and product quality. Protein hydrolysates can also exert an auxin-like action by activating the biosynthesis of growth hormones in the plant, and indirectly stimulating the telluric microflora.

Radical applications are useful for stimulating rhizogenesis and telluric microflora, while foliar treatments support growth especially in conditions of intense metabolic effort (e.g. high growth rates, high fruit setting) and improve tolerance to environmental stress.

SPECIFIC ACTION PRODUCT

Inoculum of mycorrhizal fungi

Type of organic soil conditioner: simple non-composted vegetable soil conditioner

| | |
|------------------------------|------------------------------|
| Mycorrhizal content | 0.5% |
| Rhizosphere bacteria content | 1.2x10 ⁸ CFU / gr |
| Thricoderma content | 1,3x10 ⁷ CFU/gr |

INTERVENTION PERIOD

Post-pruning treatment to prevent pathogens from entering wounds.

Six foliar treatments every three weeks starting from the growth of the branches.

ADVANTAGES

- * Fluid formulation very simple to use
- * It improves soil fertility and promotes the development of the root system
- * Allows the release of minerals cured in the soil
- * Improve the efficiency and absorption of substances
- * Supports growth especially in conditions of intense metabolic effort (e.g. high growth rates, high fruit set) and improves tolerance to environmental stress
- * Enhances the autoimmune processes of plants against pathogens and against abiotic stress
- * Stimulates the development process of the berries, reducing the problems of millerandage
- * It improves the lignification of the branches and the accumulation of reserve substances, promotes and improves the synthesis of polyphenols and flavors, promotes an increase in the percentage of anthocyanins and increases the sugar content of the grape.



Solution liquid



Application foliar
Fertigation



Packaging lt 1-5





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DOSAGE AND APPLICATION

The application of Horus takes place by radical and foliar way as the microorganisms and the components contained in it can be absorbed by both structures.

APPLICATION METHODS

FERTIGATION

| PHENOLOGICAL STAGE | BUDDING | GROWTH BRANCHES | PREFLOWERING | POST FRUIT SET | GROWTH BERRIES | RIPENING |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| APPLICATION DOSAGE | Radical 0,7 lt/ha |

FOLIAR

| PHENOLOGICAL STAGE | BUDDING | GROWTH BRANCHES | PREFLOWERING | POST FRUIT SET | GROWTH BERRIES | RIPENING |
|--------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| APPLICATION DOSAGE | Foliar 0,5 lt/ha |

RADICAL BY BARREL/FOLIAR

| PHENOLOGICAL STAGE | BUDDING | GROWTH BRANCHES | PREFLOWERING | POST FRUIT SET | GROWTH BERRIES | RIPENING |
|--------------------|---|---------------------|---|---------------------|---------------------|---------------------|
| APPLICATION DOSAGE | Radical by barrel 0,5 lt/ha 400 lt of water | Foliar 0,5 lt/ha | Radical by barrel 0,5 lt/ha 400 lt of water | Foliar 0,5 lt/ha | Foliar 0,5 lt/ha | Foliar 0,5 lt/ha |

IN CASE OF ACID SOILS (PH 4)

| PHENOLOGICAL STAGE | BUDDING | GROWTH BRANCHES | PREFLOWERING | POST FRUIT SET | GROWTH BERRIES | RIPENING |
|--------------------|---|---|---|---------------------|---------------------|---------------------|
| APPLICATION DOSAGE | Radical by barrel 0,5 lt/ha 400 lt of water | Radical by barrel 0,5 lt/ha 400 lt of water | Radical by barrel 0,5 lt/ha 400 lt of water | Foliar 0,5 lt/ha | Foliar 0,5 lt/ha | Foliar 0,5 lt/ha |

