

Biofertin-S

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TOTALLY WATER SOLUBLE ORGANIC FERTILIZER

for foliar sprays and fertigations in all crops

SYNTHESIS (%w/w)

Nitrogen (N) 15.0
Amino acids 90.0

pH: 6.5-7.5 Conductivity: 12.4 ds/m
Salinity: 7.0 ppt



BIOFERTIN-S 15-0-0 is an organic fertilizer totally water soluble that is produced by mild enzymatic hydrolysis of natural proteins. This production process guarantees the preservation of the necessary amino acids and a high percentage of organic nitrogen (>15%) deriving exclusively from amino acids.

USES

BIOFERTIN-S 15-0-0 can be used in all crops as:

- Organic nitrogen fertilizer for foliar sprays, fertigations and hydroponic systems.
- Wetting agent since when dissolved in the water it creates a solution with high viscosity and as a consequence it sticks to the leaves.
- Recovery biostimulator due to the high rate of the contained amino acids after periods of intense stress caused by biotic and climatic factors.
- Stimulant for the improvement of the quantitative and qualitative characteristics of the crop.
- Chelating agent of the nutrients (Fe, Zn, Mn, Cu) since amino acids improve the uptake of metal micronutrients from the plants.

PROPERTIES

- Increases the yield and the quality of the crops.
- Provides nitrogen readily available to the plants.
- Fortifies the resistance of plants against stress.
- Improves the efficiency of chemical fertilizers and pesticides.
- Accelerates the biochemical processes that take place inside the plant (photosynthesis, sugars formation).
- Promotes fruit growth.

STORAGE CONDITIONS

Store in well sealed container. The product must not be stored in metal containers. Store at room temperature conditions or at a cool place.

PRECAUTIONS

Seek medical advice if swallowed. Avoid contact with skin and eyes because it causes irritation and possible damage. Wash thoroughly every exposed body part with plenty of water and seek medical advice for the eyes. Use always personal protective equipment (mask, aprons, gloves etc) during application.

KEEP OUT OF THE REACH OF CHILDREN

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APPLICATION METHOD-RATES

BIOFERTIN-S 15-0-0 can be applied through foliar spray or through the irrigation/fertigation system according to the following application rates.

Foliar spray: 2.5-3 kg/ ha diluted in 500-2,000 liters of water

Fertigation: 5-15 kg/ha

Hydroponics: 0.5-1 kg/500 liters of water

Sticking action: 150-200 g/100 liters of water

APPLICATION NUMBER-PERIOD

Strawberries: Every 10-15 days from the initiation of growth until harvest.

Fruit vegetables (tomato, pepper, eggplant, cucumber, squash, etc): Every 8-12 days starting from transplanting until mid harvest.

Leafy vegetables: Every 7-10 days starting from the emergence of the first true leaves.

Horticulture (watermelon, melon, etc): Every 7-12 days starting from transplanting until the full growth of the fruits.

Potato: Every 10-14 days starting from the tuber formation until the initiation of flowering.

Carrot, Onion, Beetroot: Every 10-15 days starting from the 2nd-3rd week after the emergence up to the root enlargement.

Trees (citrus, stone fruits, olives, etc): Every 10-15 days starting before flowering until the beginning of maturity.

Vineyard, Kiwi: Every 10-15 days starting from the stage before flowering until the beginning of maturity.

Ornamental plants, Forest shrubs: Every 7-12 days from transplanting and after.

Flowers: Every 8-12 days after transplanting until the peak of harvest.

Lawn, Urban green: Every 10-15 days.

Cereals: At the 10-20 cm growth stage.

Fodders: Every 8-12 days starting early in the spring and repeating after each cutting.

Cotton: At the initiation of flowering and 7-12 days later.

Corn: At the 15-20 cm growth stage, at the 25-35 cm growth stage and prior to tasseling.

COMPATIBILITY

It can be mixed with almost all fertilizers and chemical products. All water soluble powders must be dissolved in water before mixing with **BIOFERTIN-S 15-0-0**. Follow the instructions of the pesticide manufacturers before mixing them with **BIOFERTIN-S 15-0-0**. In any case a test of compatibility is recommended before mixing in the tank.

CAUTION

It is recommended to dissolve the product in water before mixing in the tank. Alternatively it is recommended to dilute gradually the product in the tank with constant agitation for easier application and for preventing the creation of grapes. Do not apply at the heat of the day.

Approved for use in organic agriculture according to Reg. (EC) 889/2008: Annex I; (Hydrolyzed proteins). **RESTRICTIONS:** Do not provide more than 20% total N plant requirement.