

**BIOARM** is a growth biostimulant which contains beneficial microorganisms that exist naturally on the leaves, the shoot and in the rhizosphere of most plants species. The beneficial microorganisms of **BIOARM** contribute to the absorption of nutritional elements by the cellular tissues of leaves while they produce substances that increase the resistance of plants against various environmental factors. At the same time the liquid substrate of **BIOARM** is rich in chelated manganese and oligosaccharides contributing to the nutrition and robustness of cultures.

#### BENEFITS

- ✓ It supplies plants with nutritional elements enhancing their robustness.
- ✓ It corrects manganese deficiency in all cultures.
- ✓ It increases synthesis of proteins and vitamins by the plant.
- ✓ It activates and accelerates the biological activities that take place at the above-ground part of the plant.
- ✓ It promotes the cellular division of plant cells and it contributes to the growth of cultures.
- ✓ It increases the synthesis of chlorophyll as well as the availability of phosphorus and calcium in the plants.
- ✓ It increases the beneficial microbial population of the foliage.
- ✓ It enhances the resistance of the plant against environmental stress factors.
- ✓ It is an ecological product that does not disturb the balance of the ecosystem.
- ✓ It does not harm beneficial insects.
- ✓ It does not contain pathogens since it is produced under sterile conditions.

#### RECOMMENDED CULTURES

**BIOARM** can be applied on vegetables, horticultural plants, fruit crops, ornamental plants, flowers, aromatic plants, herbs, forage plants, biofuel plants, legumes, cotton, sugar beets etc.

#### STORAGE

Store the product in its initial package, closed tightly. Store at a cool place without humidity. IT SHOULD NOT FREEZE. Keep out of direct solar radiation as well as of any source of heat in order to avoid overheating. Ideally, the product is stored in the refrigerator, at the temperature of 4°C. Under these conditions, the lifetime of the product is roughly 1 year from the date of production. After use do not leave the lid open. The empty bottles should not be reused.

Lot Number:  
Production date:

# BIOARM

## Liquid Growth Biostimulant

### Standard Analysis

Beneficial microorganisms >1x10<sup>12</sup> cfu\*/lt  
Manganese (Mn) 0,1 %

\*cfu: colony forming units



Net Content.: 1 lt

Produced by



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#### APPLICATION METHOD

**BIOARM** is applied mainly foliarly by complete spraying of the foliage surface and particularly of the lower surface of leaves. However, it can be also applied on the ground by spraying or by drip irrigation.

The product should be applied late in the afternoon at sunset time and under relatively high levels of humidity (temperature: 15-25 °C and relative humidity: >80%).

#### APPLICATION FREQUENCY

Applications should be repeated once a week. At least 3-4 applications per farming period are recommended.

#### APPLICATION RATES

**Foliar application:** 2.5-3 l per hectare. Usual dilution rate 1:150. In any case the water volume to be used depends on the type of the culture. It is good that the product is applied with enough quantity of water for better results.

**Ground application:** 2.5-3 l per hectare. Minimum dilution rate 1:150. The product is applied by spraying or irrigation via the drip irrigation system around the root zone and it is incorporated in the soil either mechanically (hoeing-tillage) or by good watering. Alternatively, the product can be mixed with organic fertilizer or humus and can be dispersed uniformly on the whole of the surface.

#### COMPATIBILITY

**BIOARM** can be combined with fertilizers, insecticides and herbicides. It cannot be combined with most chemical fungicides and copper products. Moreover, fungicides and copper products should not be applied to the culture 10-15 days before and after the application of **BIOARM**.

#### HANDLING-PRECAUTIONS

In case it is spilled on skin or clothes, remove your clothes and wash your skin thoroughly with soap and water. In case it is spilled in your eyes, remove possible contact lenses and rinse with abundant water. If the irritation insists ask for medical advice. Use individual protection means (mask, uniform, gloves, footwear) during product application. Do not allow to anyone to step in the culture area for at least 4 hours after the application of the product.

#### KEEP OUT OF THE REACH OF CHILDREN

**Approved for use in organic agriculture** according to Reg. (EC) 889/2008. Restriction: Micronutrient deficiency must be documented by testing or competent professional award.