

Technical Data Sheet

Elaboration date:

October 1st, 2024

Revision number:

11

Revision date:

October 5th, 2024

ALOMYXA®

BACTERIAL INOCULANT
SOLUBLE SUSPENSION
FOR AGRICULTURAL USE

GENERAL DESCRIPTION

ALOMYXA® is a bacterial inoculant for crops, based on a Plant Growth Promoting Rhizobacterium (PGPR) that colonizes the roots and soil adjacent to the plants, where it performs its biological activity. The PGPR contained in the product is predominantly based on *Bacillus amyloliquefaciens*, which improves plant productivity through different biomechanisms:

- a) It produces a systemic effect on plants that stimulates the biosynthesis of growth-regulating compounds, which accelerates and improves plant development. Therefore, nutrient assimilation is accelerated and improved. This results in a plant with new roots with more absorbing hairs, more branched and foliage, and therefore more vigorous plants.
- b) It causes an acceleration of plant growth, since it generates a greater number of roots, absorbent hairs and a faster growth of these.
- c) Promotes the biosynthesis of natural antibiotics against plant fungi and other microbial pathogens and produces a natural antibiotic protein.
- d) It causes a systemic effect in plants that intervenes in the biosynthesis of plant growth regulator compounds.

- e) Produces a network of exopolysaccharides (EPS) that improve water retention in and near the rhizosphere, leading to greater water resistance.
- f) It favors biological nitrogen fixation and phosphorus solubilization.

Thanks to its biotechnological production, which takes place under natural and controlled conditions, ALOMYXA® is a water-soluble product, 100% organic and safe to apply on crops and harmless to the ecosystem and humans.

COMPOSITION

This product is a suspension of viable endospores and bacteria derived mainly from the *Bacillus amyloliquefaciens* group, with a guaranteed minimum content of 1.0 x10⁸ CFU/mL of beneficial RPCV. It is also enriched with a seaweed extract.

ALOMYXA® is based on a complex culture broth prepared by biotechnological bioprocessing from a defined culture medium. It is totally water soluble, contains components that protect and maintain viable conditions for the microorganisms during the shelf life.

PHYSIC AND CHEMICAL PROPERTIES

ALOMYXA® in its liquid form is a 100% water soluble suspension.

- pH: 6.0 to 7.5
- Color: light green cloudy
- Odor: fermentative acid
- Non-corrosive
- Stable and non-reactive

MANUFACTURE

This product is manufactured in biotechnological facilities from a formulated and defined media culture under controlled conditions and isolated from environmental contaminants. The components used to produce this product are safe and harmless.

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The components used to produce it are safe and harmless to humans and the environment.

The product contains an organic seaweed extract from *Macrocystis pyrifera* algae. This extract acts as a plant growth promoter and provides an environment to keep the beneficial microorganisms contained in the product viable. It can also generate a greater number of roots, absorbent hairs and faster root growth, and promotes the sprouting of lateral buds.

PRESENTATION

Liquid

APPLICATION

ALOMYXA® is a safe product that can be applied to all types of crops, tree crops and ornamental plants. It can be used on farms and homes. It should be applied directly to the soil near the root system of the plant. The recommended dose at the beginning of the application is 8 L/Ha and subsequently from 1 to 4 L/Ha every week during all stages of plant growth (sprouting, seedling, vegetative, budding, flowering and ripening depending on the crop.

It is recommended to request support from an authorized NUTRISURCO® representative or distributor to find the best dosage for your crops.

STORAGE

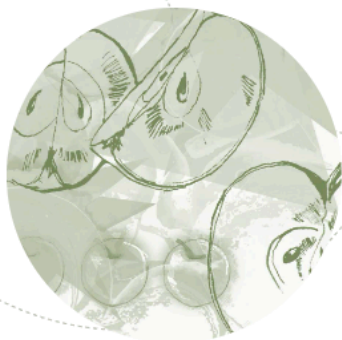
Avoid direct sunlight and keep in a dry cool place.

ORGANIC CERTIFICATION

ALOMYXA Bacterial Inoculant is OMRI Listed. It may be used in certified organic production or food processing and handling in accordance with USDA National Organic Program regulations.

<https://www.omri.org/mfg/aot/certificate/20524>

“STRENGTHENING THE FIELD”



OMRI Listed®

The following product is OMRI Listed. It may be used in certified organic production or food processing and handling according to the USDA National Organic Program regulations.

Product

ALOMYXA Inoculante Bacteriano

Company

ALOPROT S.A. de C.V.
Andrés León O.
Sierra de la Canela 305
Bosques del Prado Norte
Aguascalientes Aguascalientes 20127 México

Status

Allowed

Categories

NOP: Microbial Inoculants

Date Listed

25-Jun-2024

Product code

aot-20524

Use Class

Crop Management Tools
and Production Aids

Expiration

1-Sep-2025

Restrictions

Not applicable.

Executive Director/CEO

Product review is conducted according to the policies in the current *OMRI Policy Manual*® and based on the standards in the current *OMRI Standards Manual*®. This certificate may be out of date. Verify the current certificate online at OMRI.org, or contact OMRI for verification. OMRI listing is not equivalent to organic certification and is not a product endorsement, and cannot be construed as such. Final decisions on the acceptability of a product for use in a certified organic system are the responsibility of a USDA accredited certification agent. It is the operator's responsibility to properly use the product, including following any restrictions.



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