

BIOMIN™ N

Water Soluble Organic Nitrogen 14%

GENERAL INFORMATION

BIOMIN™ N is a non-fish nitrogen fertilizer derived from hydrolysed soy protein (HVP) peptides and L-Amino Acids. It is water soluble and designed for soil and/or foliar applications.

Nitrogen from **BIOMIN™ N** is absorbed by plants quickly and is then translocated to areas of the plant that need it.

By using this type of nitrogen, plants are saving biochemical energy to use elsewhere.

Glycine, and other amino acids assist with plant

- Protein Biosynthesis
- Stress Resistance
- Photosynthesis
- Chelation Effect
- Phytohormones
- Pollination and Fruit Formation
- Soil Flora and Organic Matter

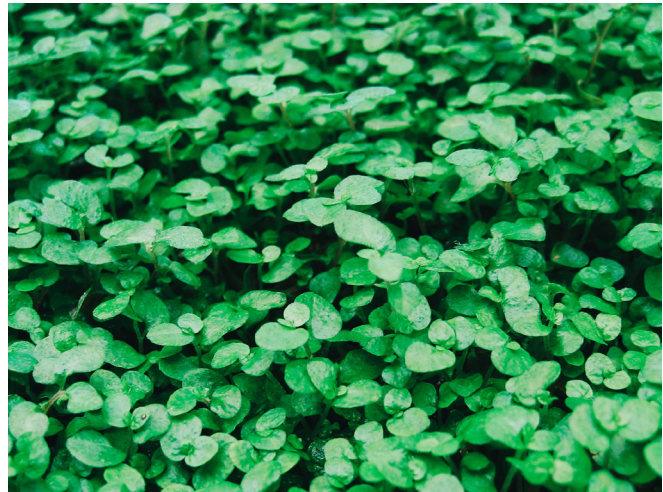
ADVANTAGES + BENEFITS

Because of amino acid's structure, they can make proteins and participate in essential plant functions.

The application of these amino acids is recommended, before, during and after stress conditions.

Amino acids are fundamental in chlorophyll production, enabling plants to produce oxygen and glucose for growth, and the organic L- Amino Acids, chelate minerals making them bioavailable, for increased absorption and translocation.

Many amino acids are pre-cursors of plant hormones such as Cytokinin's which increase cell division and the formation of shoots and buds; Gibberellins create cell elongation, increase germination, and improve flowering and fruit ripening; Jasmonic acid has an important role in response to wounding of plants and SAR and immunity.



Guaranteed Analysis

Hydrolyzed vegetable proteins, Peptides and L-amino acids %w/w	14%
---	-----

Amino Acids increase pollen fertility, germination and fruit set and improve fruit ripening, flavours, and shelf life.

BIOMIN™ N can be mixed with macro and microelements, and pesticides with positive effect.

BIOMIN™ N is very soluble in water, it has a low salt index and low phytotoxicity risk.

BIOMIN™ N reduction of the surface tension on the leaf, will increase the contact and absorption.

BIOMIN™ N has a Buffering and Chelation effect – improving mineral uptake

BIOMIN™ N has no offensive odour and does not clog equipment when using for soil or foliar use

BIOMIN™ N is environmentally friendly and will not precipitate.

“Due to Biomin Nitrogen's high absorption rate, less product is leached into waterways. This will be a great option to support growers and farmers in their efforts to become increasingly sustainable”.



APPLICATION

BIOMIN™ N can be used for soil or foliar application. Dilute **BIOMIN™ N** with enough water for thorough coverage.

SOIL APPLICATION (Broadcast, Subsurface & Drip Irrigation)

Mix 4.4 -8.8kg / Ha with enough water for thorough coverage and apply when plants are well established. Repeat the application every 4 weeks or as needed.

FOLIAR APPLICATION

Mix 2.2-4.4kg/ Ha with enough water for thorough coverage and apply when plants are well established. Repeat the application every 4 weeks or as needed.

TURF and GOLF COURSE (GREENS)

Mix 2-3 kg / Ha with enough water for thorough coverage and apply once every 4 weeks.

GOLF COURSE (FAIRWAYS)

Mix 1-2kg / Ha with enough water for thorough coverage and apply once every 4 weeks.

COMPATIBILITY

DO NOT APPLY AT TIME OF BLOOM.

- Always run a compatibility test before spraying with other chemicals.
- **BIOMIN™ N** is compatible with almost all fungicides, insecticides, and herbicides.
- **BIOMIN™ N** has no limitation when mixing with Calcium and other fertilisers
- Not to be used with copper based products.

PLANT + ENVIRONMENTAL

SAFETY

- Environmentally friendly
- Low salt index and Phytotoxicity risk

BIOMIN™ N is a sustainable form of Nitrogen and can be used safely on many crops including: alfalfa, almond, apple, apricot, avocado, beans, beets, berries, blackberry, blueberry, cabbage, carrot, cauliflower, cherry, citrus, cole crops, corn, cotton, cucumber, field crops, fruit crops, grape, melon, nut crops, onion, peach, pear, pecan, pepper, pistachio, plum, potato, prune, raspberry, row crops, sorghum, soybean, strawberry, sunflower, tomato, vegetable crops, turf grass, golf course, walnut, and wheat crops.

THE FORMULATION OF BIOMIN N, MEANS PLANTS ARE SAVING ON BIOCHEMICAL CONVERSION ENERGY

