



## Bio-Master N

*Liquid organic NPK fertilizer (7-1-1) high in amino acids for foliar application as an anti-stress bio-stimulant or applied through the irrigation as a fertilizer*

### Features and Benefits

High nitrogen N-P-K fertilizer made from plant-based material. It does not contain urea.

Approved for use in controlled input organic farms by the Soil Association.

A by-product of food production. Contains beneficial micronutrients. Contains sugars and natural components that nourish beneficial organisms to improve the soil.



This product is manufactured to the Soil Association Certifications standards under licence number AL04202.

### Directions for use

Mix with water before application.

#### STIR WELL BEFORE USE

#### Foliar Application:

##### By knapsack sprayer -

Mix 300 ml of Bio-Master N in 10 litres of water and spray to point of run-off.

##### By tractor sprayer

5 litres in a minimum of 150 litres water per hectare.

Apply after the first true leaves appear, repeating every 14 days, for 3-5 cycles.

Note: Rates are a guide only. Over application may cause slight scorching.

**Glasshouse Crops:** Use as a 1% final solution applied through the drip irrigation system.

Bio-Master N has been formulated for drip irrigation and will not block in-line filters.

If the viscosity of Bio-Master N is too high to go through a dosing pump, then dilute the stock solution 50:50 with water and adjust the setting or dosing time accordingly.

It is recommended to use prepared stock solutions within two days.

**Field Crops:** 25 to 50 litres in 500 to 1000 litres water Bio-Master N can be applied to field crops; such as salad crops, brassicas and potatoes.

## Composition

This product contains a blend of fermented plant-based remnants from sugar processing. Typical analyses of standard products are shown below. Because Bio-Master N is a natural product N, P and K values can vary.

Element as %	Unit	7:1:1*
Total nitrogen (N)	% (w/w)	6.8 - 7.5
Phosphorus, as (P <sub>2</sub> O <sub>5</sub> )	% (w/w)	0.1–1.0
Potassium, as (K <sub>2</sub> O)	% (w/w)	0.7–1.3
Boron (B)	mg/kg	18
Calcium (Ca)	% (w/w)	0.2
Copper (Cu)	mg/kg	10
Iron (Fe)	mg/kg	38
Magnesium (Mg)	% (w/w)	0.2
Manganese (Mn)	mg/kg	19
Zinc (Zn)	mg/kg	38
Sodium (Na)	% (w/w)	1.2
Sulphur (S)	% (w/w)	7.2
Total solids	% (w/w)	59
Total amino acids	% (w/w)	19.98
Free amino acids	% (w/w)	12.27
pH	-	5.5 - 6.0

## General information

**Specific gravity:** 1.2

**Packaging:** 20 litre jerry cans and 1000 litre containers.

**Shelf life:** 2 years

**Technical service:** For further information, assistance and access to The Solufeed Advisory Service, please contact Solufeed at the address below.

## Precautions

Product must be stored and handled in accordance with the Soil Association Certified Products scheme.

Do not reuse container for any other purpose.

PROTECT FROM FROST

Wear protective gloves and safety goggles.

KEEP OUT OF REACH OF CHILDREN

Keep containers tightly sealed when not in use.

Do not allow product to freeze.

Keep out of direct sunlight.

Detailed health and safety information may be found on the relevant Material Safety Data Sheet (MSDS) available on request from the address below.

## Important

The information in this document has been prepared carefully and is provided in good faith. The application, use and processing of any material together with regulatory compliance is the absolute responsibility of the Buyer. All technical information or other advice provided by the Seller in any form is given without warranty to the full extent provided by law.

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