



AminoFix™ - 3000

PLANT GROWTH ENHANCER AND BIOSTIMULANT

Group 2 Fertilizer

Registration number, Act 36/47 – B3455

Product description:

A dark brown/black water-soluble plant hydrolysate. This high **assimilable carbon content** product contains **natural chelates** which gives it an exceptionally high cation exchange capacity (CEC). It is an excellent **energy source** for both microbes and plants which stimulates various metabolic processes and enhance nutrient uptake.

General information:

- ◆ Has a C:N ratio of 70:1 which act with N fertilizers as an ideal carbon source for microbes.
- ◆ Acts as a natural chelate for micro and macro elements.
- ◆ Increases the cation exchange capacity in the root zone.
- ◆ Increases the absorption rate of most plant nutrients.
- ◆ Increases translocation and enzymatic processes in plants.
- ◆ Enhances photosynthesis and acts as a natural growth hormone.
- ◆ Stimulates root and shoot growth.
- ◆ Increase the plants natural resistance to environmental stress factors.

Product specifications:

Packaging:

25 l plastic containers, 1000 l "flow-bins" or bulk containers.

Typical analysis:

CEC**1700 cmol/kg

Macro elements		Carbon, moisture content, SG and pH				
N	K	Organic carbon	Organic acids	% Moisture	SG kg/L	pH
2.3 g/kg	4.2 g/kg	165 g/kg	231g/kg	49.3 %	1.254	1-2

Functional groups (cmol/kg):

Total acidity	- COOH	- OH	-C=O	-P-OH	Alk-OH
1700	1120	524	73	437	87

Heavy metals*:

Al	Cr	Pb	As	Hg	Cd
1 ppm	0,3 ppm	0,3 ppm	0,1 ppm	0,03 ppm	0 ppm

*Heavy metal content of **AminoFix-3000** is much lower than acceptable international norms.

Dosage rates:

Apply 10% of nutritional value of fertilizer program. When used in combination with **Nitro15™**, the dosage can be adjusted to 50% of typical application rates.

Typical application rates:

Crop	Dosage	Comments
Fruit trees	Soil application 20 l/ha	Apply during active root growth. Apply 20 l/ha with pre-harvest and 20 l/ha with post-harvest fertilizer.
Adult vines	Soil application 6 l/ha	Apply during active root growth. Apply 6 l/ha with pre-harvest and 6 l/ha with post-harvest fertilizer.
Vegetables	Soil application 2.5 l-5.0 l /ha/week	Apply during transplantation. Repeat weekly with fertilizer applications.
Nurseries and tunnels	Soil application	To prevent microbial build-up in drip lines, apply AminoFix 3000 separately once a week at 10% of nutritional value of fertilizer program.
Stress periods	Foliar application 1 l/ha	Apply as soon as first signs of stress are visible. Repeat 2-3 times with 7-day intervals.
Alfalfa	Soil application 4.0 l /ha	Apply through irrigation system after each cutting.

Recommendations:

- ◆ **AminoFix™ - 3000** is compatible with all known liquid and water-soluble fertilisers.
- ◆ Can be applied through any irrigation system.
- ◆ When using with pesticides where pH may influence the effectiveness of the product, a suitable pH buffer must be added.
- ◆ Use the standard preventative maintenance programs for drip systems as supplied by your local irrigation expert.
- ◆ To prevent microbial build-up in drip lines during fertigation:
 - orchards; flush weekly with clean water.
 - green houses and nurseries; apply AminoFix-3000 separately once a week.

Storage:

Store in a cool, dry area away from direct sunlight.

Disclaimer:

To the best of our knowledge, the information contained herein is accurate, neither the above-named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user.