



AminoFix™ - 3000

PLANT GROWTH ENHANCER AND BIOSTIMULANT

Group 2 Fertilizer

Registration number, Act 36/47 – B5758

Product description:

A dark brown water soluble plant hydrolysate. This high carbon content brown/black liquid contains natural chelates which gives it an exceptionally high cation exchange capacity (CEC) and is also an excellent bio-stimulant. It stimulates root formation which in turn increases nutrient uptake and plant growth.

General information:

- ◆ Acts as a slow-release carbon source and nutrient for soil micro-organisms.
- ◆ Stimulates root and shoot growth.
- ◆ Acts as a natural chelate for micro and macro elements.
- ◆ Increases translocation and enzymatic processes in plants.
- ◆ Enhances photosynthesis and acts as a natural growth hormone.
- ◆ Increases the cation exchange capacity in the root zone.
- ◆ Increases the absorption rate of most plant nutrients

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
5,8 g/kg	10 g/kg	162 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.

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..
Grain Crops	Soil application 20.0ℓ-30 ℓ /ha	Apply in 4 applications from emergence to flag-leaf
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 1ℓ/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:

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