



# Bioamino-L<sup>®</sup>



It's a liquid organic amendment which activates soil biology. Its high content of active organic matter of non-humic origin is rapidly degraded by soil microorganisms. It consists of fulvic acids, peptide and polypeptides of high biological quality. It also has action as a fertilizer due to its macronutrients content (nitrogen, phosphorus, potassium, calcium, magnesium) and micronutrients (zinc, manganese, iron) both easily assimilated by plants. It doesn't have microorganisms.

Active organic matter corresponds to the labile fraction of total organic matter. This fraction is easily degraded by soil microorganisms, and it therefore represents the largest source of energy for them and a large part of mineralizable nitrogen for plants. It's also responsible for beneficial effects in soil structure (improving aeration, water infiltration, erosion resistance and easiness to plow). It's an indicator of soil dynamics and its quality, because a good microbial activity in the soil reflects optimal physical and chemical conditions that enable the development of metabolic processes of bacteria, fungus, algae and actinomycetes, and its action on the decomposition of organic substrates.

## BENEFITS

- ✓ It activates soil biology, stimulating the development of beneficial micro and macroorganisms.
- ✓ It provides a major enhancement of soil physicochemical properties.
- ✓ Better plant-soil relationship.
- ✓ Strongly stimulates root development.
- ✓ It replaces composts and other organic matter sources.

## TYPE OF APPLICATION



Fertigation



Drench

## COMPOSITION

Organic Matter	32.5–36 % w/w
Total Polypeptides	24 % w/w
Fulvic Acids	2 % w/w
Total Nitrogen	4.7–5 % w/w
Phosphorus (P2O5)	0.6–1 % w/w
Potassium (K2O)	0.5 % w/w
Calcium (CaO)	0.5–1.3 % w/w
Magnesium (MgO)	0.5 % w/w
Zinc (Zn)	100 ppm
Boron (B)	6 ppm
Manganese (Mn)	12 ppm
Iron (Fe)	800 ppm
Other Microelements	300 ppm
Heavy Metals (As, Hg, Cd, Pb)	≤ 3 mg/kg
Water Solubility	96% at 20 °C
pH	3.5–3.8
Density	1.15 g/L at 20 °C

\*Escherichia coli-free and Salmonella-free product.



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CROPS	DOSE L/Ha	APPLICATION
<b>Pomaceous</b> (Apples, Pears, Quinces); <b>Stone fruits</b> (Plums, Peaches, Nectarines, Cherries); <b>Dried Fruits</b> (Walnuts, Almonds, Hazelnuts); <b>Vines</b> (table grapes, wine grapes); <b>Kiwis</b> ; <b>Citrus fruits</b> (Lemons, Oranges, Mandarins, Tangerines); <b>Avocado, Olives and Pomegranates.</b>	40 - 200	Apply since sprouting begins and throughout the whole of the vegetative cycle of the crop.  Split up the dose with each weekly watering (10 L/Ha/Week).
<b>Smaller fruit</b> (Blueberries, Raspberries, Strawberries, Blackberries, Cranberries).	40 - 120	With loosly textured soil use the higher dose.
<b>Leafy and Stalky Vegetables</b> (Lettuce, Cabbage, Chard, Celery). <b>Bulbous vegetables</b> (Carrots, Beetroot, Chicory, Radish). <b>Flowering Vegetables</b> (Cauliflower, Broccoli, Artichokes). <b>Fruity Plants</b> (Cucumber, Tomato, Peppers, Melon, Watermelon).	40 - 120	Apply as from 7 days after transplantation or after an emergency. Split up the dose with each weekly watering (8 L/Ha/Week).  With loosly textured soil use the higher dose.
<b>Potatoes.</b>	20 - 60	Apply in the establishment of the crop, either in incorporated pre-plantation (hoeing or light tilling) or the plantation furrow next to the plant phytosanitary system (20 L/Ha). Repeat, starting from the emergency until just before the closing of the row (10 L/Ha/application).

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