

*Microbially Active Foliar Fertiliser. Packed with Vital Amino acids.
Balanced with trace elements and micro nutrients*



Introduction

AminoElite™ is a foliar fertiliser produced by a unique microbial digestion process, which involves the breakdown of deep sea fish emulsion and crustaceans, into a form in which plants can rapidly absorb the available nutrients through their foliage or through their root system.

This unique process, used to manufacture AminoElite™ and developed through 25 years of R&D, allows us to preserve beneficial microbes and creates nutrients in the form of absorbable amino acids.

Plants will rapidly absorb these nutrients in a noticeably shorter time frame than with conventional fertilisers.

Why AminoElite™ works so well

Unlike most other liquid protein sources Amino Elite™ is produced via a unique ambient (room) temperature process. This process involves bacterial digestion, which preserves the protein molecules.

In doing so beneficial microbes are unharmed and continue to increase over time. Increased microbes will improve your soil biology as well as improve your plants nutrition.

Importance of Amino Acids & Trace Elements

Amino Acids are the essential building blocks for plant growth. AminoElite™ has a series of L shaped -Amino Acids. These Amino Acids are good chelating agents, which facilitates nutrient absorption through the foliar surface and through the root system, transporting nutrients more efficiently throughout the plant.

Most soils have deficiencies of trace elements. AminoElite™ is a concentrated source of both macro and micronutrients. It will provide organic nitrogen to your plant and soil and beneficial microbes to your soil.

Inclusion of Crustaceans

Deep sea crustaceans are a good source of Chitin. The presence of Chitin and the enzyme Chitinase, enhance the immune system of the plant.

Amino Acid (AA) Analysis (mg/L) and Benefits

AminoElite™ contains minimum 3.5% (w/v) Amino Acids with the approximate composition of:

AA		Metabolic functions of AA
Aspartic Acid	5%:	Seed germination
Threonine	2.5%:	Improve drought tolerance
Serine	4.5%:	Chlorophyll production, Stomata regulation, Improve Pollination
Glutamic Acid	10%:	Chlorophyll production, stomata regulation, pollination, seed germination
Proline	9%:	Heat, Salt, and Drought tolerance
Glycine	27.5%:	Chelation, Heat tolerance, Chlorophyll production
Alanine	12.5%:	Chlorophyll production, seed germination
Valine	4.5%:	Drought tolerance, seed germination
Methionine	0.2%:	Ripening, stomata regulation
Isoleucine	3%:	Salt and Drought tolerance, Pollination
Leucine	5.5%:	Salt and Drought tolerance, Pollination
Phenylalanine	0.8%:	Humic compound, lignin formation
Histidine	1%:	Aids fruit ripening
Lysine	5%:	Chlorophyll production, seed germination
Arginine	4%:	Root development, induces Flowering and Fruiting Hormones
Hydroxyproline	5%:	Defence against Pathogens attack Water movement through the plant

* Being a microbial product the concentration of the different amino acids may vary.

Grow Green AminoElite™ - Horticulture Blend

Product Benefits

- Healthy plants are better able to resist environmental stresses such as pests, disease and extreme weather conditions.
- The correct balance of Micro and Macro nutrients will aid the plants ability to produce uniformity in fruit size, colour, and shape.
- Microbes and bacteria help supply organic nitrogen to the plant and soil.
- AminoElite™ can enhance the uptake and assimilation of trace minerals to rapidly correct minor micronutrient deficiencies.
- Improving soil microbial activity can aid the reduction of bulk fertilisers use and assist with unlocking built up nutrients.
- AminoElite™ has a Nil with holding period.

Shelf Life and Storage

Shelf Life up to 12 months from manufacture

AminoElite™ should be stored at ambient temperature conditions. It is recommended to be stored out of direct sunlight, but within a well lit area so that the microbial digestion process within the product continues.

Compatibility & Use

AminoElite™ can be mixed and applied with most commonly used pesticides, however AminoElite™ should not be used with selected herbicides.

We strongly recommend checking labels for compatibility as well as pre testing in a small area prior to widespread application.

AminoElite™ is rainfast in 15 minutes. We suggest not applying if rain is expected shortly after application.

Optimising results

Use with GrowGreen's Xtend® plant oil adjuvant for optimum results. Xtend® will maximise the result by reducing drift and increasing adherence to the sprayed surface.

GrowGreen Pty Ltd

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Analysis (W/V)

		Hort
Nitrogen (N)	as protein	1.10%
	as nitrate	0.20%
	as urea	1.80%
	as ammonium	0.20%
	Total	3.30%
Phosphorus (P)	as water soluble	0.70%
	Potassium (K)	as protein
	as phosphate	0.20%
	Total	0.50%
Sulphur (S)	as sulphate	0.55%
Calcium (Ca)	as nitrate	0.20%
Magnesium (Mg)	as sulphate	0.02%
Zinc (Zn)	as sulphate	0.10%
Manganese (Mn)	as sulphate	0.025%
Iron (Fe)	as sulphate	0.005%
Boron (Bo)	as sodium borate	0.04%
Molybdenum (Mo)	as sodium molybdate	0.01%
Cobalt (Co)	as sulphate	0.0025%

Packaging

AminoElite™ is available in the following containers:

- 20L and 1000L

Application Details

AminoElite™ is suitable to use on a wide range of horticultural crops – for example tomatoes, grapes, almonds, walnuts, citrus, bananas, mangoes, apples, and many other vegetables and fruits.

Crop	App. Rates/Ha	No. of applications
Horticultural crops	1.5 – 2L	3-4 foliar applications, pre flowering, post flowering & fruit enlargement stage
Broad acre Winter crops	1.5 – 2L	Liquid injection at seed sowing stage, 2 foliar applications (mid tillering & booting – grain filling stage)
Broad acre Summer crops	1.5 – 2L	2-3 foliar applications, pre flowering, post flowering and grain filling stage
Annual & perennial pasture	2 – 3L	3-4 foliar applications post grazing

To be diluted in a minimum of 100L of water p/Ha

** Spray to point of run off.*

For information about specific application rates, please contact our technical staff

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