



AGROORGANIC

PLANT GROWTH REGULATORS

WHAT IS AGRORGANIC FOR PLANTS?

Agroorganic for Plants is a pure organic concentrate extracted from fresh natural resources. Agroorganic is also the richest source of natural growth stimulants.

WHY CHOOSE AGRORGANIC FOR PLANTS?

Most extracts it from dry resource that is then reprocessed to convert it into a liquid. Agroorganic Plants is made from fresh resources, to capture all the essential substances known as natural plant growth regulators found in the stems of fresh resources.

WHAT MAKES AGRORGANIC SO PLANT HEALTHY?

Natural Trace Elements Agroorganic Plants contains natural trace elements, simple and complex sugars in a balanced form that increase the efficiency of foliar absorption and stimulate root growth development. This triggers a chain of complex interactions between the roots, soil, microorganisms and fungi.

The plant roots secrete sugars and other compounds into the soil to feed the soil bacteria and fungi. In return, they convert insoluble nutrients, often unavailable to the plant into a form the plant roots can utilize. This enables the plant to benefit from the nutrients and moisture around it that would not normally be possible.

Reduce Plant Stress

The Betains in Agroorganic are responsible for increasing the plants defense system and play a key role in helping plants survive frosts, drought and saline conditions

Increase Resistance to Insect & Fungal Attack

The Phenolic compounds and Cytokinins contained in Agroorganic increase the plants resistance to disease, fungal attack and that caused by sucking insects as well as stimulate greater root growth development, resulting in healthier plants.

Enhanced Shelf Life

The Cytokinins in Agroorganic stimulate cell division resulting in firmer fruit, delayed fruit drop, improved handling and keeping quality.

They are also involved with shoot growth, flower and seed development contributing to increased yield of some crops by delaying the dying off process (leaf senescence) and extending the growth period.

Improve Flowering and Fruit Development

The Auxins in Agroorganic are naturally occurring plant growth regulators that are vital to root hair growth development. They are important to the development of flower buds, fruit set and rachis stretch in grapes. They send root exudates into the soil around the root zone. This exudates feeds the soil bacteria, which in turn breaks down the nutrients locked up in the soil to make them available to the plants with auxins and betains playing an important part in increasing the amount of root exudes delivered.

WHAT ARE THE BENEFITS?

When used in conjunction with an adequate fertilizer program Agroorganic will:

- ✓ Promote deeper and more extensive root development
- ✓ Improve plant ability to uptake soil nutrients & trace elements
- ✓ Provide a natural resistance to insect and fungal attack
- ✓ Significantly increases frost and drought tolerance
- ✓ Improve fruit set and quality
- ✓ Reduce nutrient leaching
- ✓ Improve leaf color
- ✓ Enhance the natural sugar content of some fruits & plants
- ✓ Stimulate good soil bacteria and worm activity
- ✓ Reduce nematode and fungal infestations
- ✓ Enhances flowering & fruiting

CARING FOR PLANT AND SOIL HEALTH.....NATURALLY

GENERAL RECOMMENDED APPLICATION RATES

Pasture	Apply 5-15L per hectare (two applications of 5L/ha separated by 6weeks if possible or 3 applications of 5L/ha). Apply early Spring, late Spring and/or late Autumn
Field Crops	Apply at early leaf stage and then follow-up at 2-3 week intervals. Apply a total of 10-15 L/ha in no more than 6 spray applications
Citrus & Stone Fruit	Bud Burst – early spring growth 3L/ha. Prior to full bloom 4L/ha. Apply 1-5L/ha at intervals of 3-4 weeks throughout the growing season.
Wine Grapes	Canes 10-15cms 2.5 L/ha rachis stretch application. 14 days later 2.5 L/ha rachis stretch application. Version 2.5 L/ha to improve uniformity in colour, size and shape. Post Harvest 2.5-5 L/ha to stimulate root growth and nutrients for the following season.
Vegetables	3-5 L/ha (refer to specific crop application)
Strawberries	3 L /ha (refer to specific crop application)
Lawn & Turf	5 L/ha starting early Spring and every 6-8 weeks during the growing season
Nursery Production	1:500 solution
Transplanting	Seedlings can be placed in trays containing 1:500 solution for 4 hours before planting
Frost Protection	Apply 5L/ha as a foliar spray in 1,000L of water 4-5 days prior to first frost and every 10 to 12 days at 2.5-3 L/ha for grapes and small trees and up to 5L/ha for large trees
Cut Flowers, Pot & Bedding Plants	1:1000 solution Foliar spray every 7-10 days
Seed Germination	Soak seeds for a maximum of 12 hours, up to 24 hours prior to sowing 1:2000 dilutions. First spray after emergence 3L/ha Second Spray within 6 weeks of the first 3L/ha

TYPICAL ANALYSIS

(N) Nitrogen	0.11 %w/v
(P) Phosphorus	0.98 %w/v
(K) Potassium	4.0 %w/v
(Ca) Calcium	1.10 %w/v
(Mg) Magnesium	0.09 %w/v
(S) Sulphur	0.26 %w/v
(Na) Sodium	0.9 %w/v
(B) Boron	11.50ppm
(Cu) Copper	2.17ppm
(Fe) Iron	3.65ppm
(Mn) Manganese	1.82ppm
(Co) Cobalt	0.45ppm
(Zn) Zinc	1.98ppm
(Mo) Molybdenum	3ppm
(I) Iodine	125ppm
Cytokinins	
Trans Zeatin Riboside	7 mg/ l
Isopental Adenosine	2.1 mg/ l
Trans Zeatin	0.8 mg/ l
Isopental Adenine	17 mg/ l
Auxins	
TriIndole Acetic Acid	145 mg/ l

APPLICATION NOTES

Agroorganic Plants is a fine premium grade seaweed extract with a particle size of 100 microns.

For optimum plant uptake, foliar spray early in the morning or cool of the afternoon, when most of the nutrients and growth regulators will be taken into the sap stream within the first hour of application.

This is of particular benefit for a crop that is stressed and unable to obtain nutrients directly from the soil.

Hydroponics

Agroorganic Plants will not affect the pH at 1:2000—1:6000 when mixed with the cultured solution

Fungicide compatibility

Agroorganic Plants is compatible with insecticides and fungicides.

Herbicide compatibility

A synergistic effect occurs when Agroorganic Plants and Herbicide are mixed, increasing the effectiveness by a factor of (2) Note: Reducing the amount of herbicide in the mixed spray is the users risk and may contravene the manufactures label instructions.

Check compatibility by mixing a small sample in a glass container to observe any adverse reaction. They may include but not limited to separation, clotting or rapid sedimentation.

Use mixed sprays within 4 hours of mixing and do not store unused mixture

Note: Above composition is taken from a wide analytical cross section over a period of years hence the concentrations of individual components may vary from batch to batch