

ACTIVEGROW® BIO

100%
NATURAL

SEAWEED EXTRACT Refined Biostimulant

ACTIVE GROW® BIO is an organic product made with naturally occurring biostimulants and organic metabolites, stimulating optimal biochemical metabolisms and genetic expressions in plants. Combined biochemical activities, nutrients and up-regulation of gene expressions bring increased photosynthesis, increased nutrient uptake and increased anti-oxidation activity.



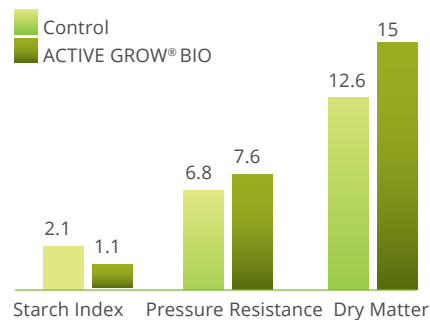
ACTIVE GROW® BIO supports the plant immune system to induce resistance to abiotic stress.

BIOSTIMULANT PATHWAY
More Growth
ELICITOR PATHWAY
Desirable Genetic Phenotypes
STRESS RESISTANCE
Abiotic
SOIL BIOTA PATHWAY
Inoculates & Supports

BENEFITS OF USAGE

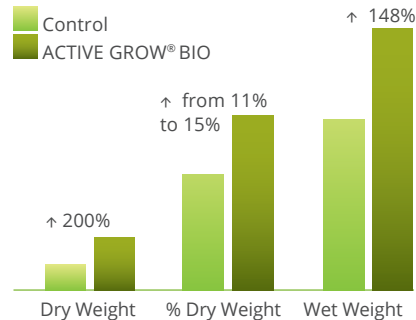
- CLEAN** Seaweed *Undaria pinnatifida* from New Zealand cold, clean and clear sea.
- ECO-FRIENDLY** Made with invasive seaweed, not with indigenous species.
- SAFE** Free of Potassium Hydroxide.
- UNIQUE FEATURES** Extract of fresh seaweed at ambient temperature to retain higher levels of plant metabolites and nutrients. No KOH is used, yielding acidic extract.
- SOLUBLE** Can be added directly into fertigation systems.
- COMPREHENSIVE** Improves the health of the entire plant from the roots upward and feeds beneficial soil biology.

Fruit Quality: NZ Apples Trial



Independent trial performed by Horteye Agronomy Nelson 2015

Growth Rates & Lettuce Weight



Waikaitu performed trial 2014

Phytotoxicity: G3 Kiwifruit



ACTIVE GROW® BIO was used on fully randomized trial with both negative and positive control during most sensitive time on sensitive variety G3.

The visual assessment across each of the individual replicates determined that there was no phytotoxicity on either the fruit or leaves on any of the treatments. The different rates and seaweed fertilisers applied produced the same results as the Control.

Independent trial performed by Phillipa Wright B.Hort Sci KWKIWI Ltd March 2015

Villanova AG uses 100% wild harvested and processed seaweed to create completely natural foliar biostimulant and soil conditioner.

ACTIVE GROW® BIO is extracted exclusively from brown algae *Undaria pinnatifida* which is classified as an invasive seaweed. This makes it one of the most effective and ecologically responsible or-

ganic plant nutrient suspensions available. It has a stimulative effect on plants, especially during early growth and periods of stress such as drought, heat or frost. It stimulates cell division, root formation and improves fruit size.

It is also indicated for use to lessen transplant stress. International research con-

firms the usefulness of brown seaweed like *Undaria* in improving soil microbial activity which leads directly to better soil health.

ACTIVE GROW® BIO biostimulant comes in liquid form and can be used both for root and foliar application. It can also be added to irrigation systems for ease of application.

SUGGESTED APPLICATIONS RATE

ACTIVE GROW® BIO can be used both for root and foliar application. It can also be added to irrigation systems for ease of application.

PRODUCT FORM: Liquid solution

FOLIAR APPLICATION

4-7.5 l/ha 2-5 applications per annum.

Field Crops: 2-5 l/ha 3-4 times. Dilute 1:150 -1:200.

Trees and Shrubs: every 10-14 days during the growing season. Dilute 1:100.

Pasture: 2-5 l/ha. Dilute 1:50 to 1:100.

Viticulture: Spray 2 – 5 l/ha at 20-30cm cane, at 40-60cm cane, at pre-bloom and then every second week. Apply 5 l/ha per season in the Fall.

Home & Garden & Turf: 0.1-0.3% solution of ACTIVE GROW® BIO with water every 1-3 weeks.

SOIL APPLICATION

Agriculture: 5-7 l/ha application every 2-3 weeks.

Home & Garden & Turf: 50 ml per 100 m2 application every 2-3 weeks.

MAIN COMPONENTS:

Seaweed Extract
(*Undaria pinnatifida*)

Organic matter: >4%
pH 2.6

Composition	mg/l*
N	400
P	22
K	4051
B	77
Mg	9556
Ca	241
Fe	4
S	4426

* Variability can occur as the product is organic