

BIOSTIMULANT RANGE

Contains IODINE Protein to increase plant Health

Turbo-cell Boost™ IODINE

SEAWEED EXTRACT WITH AMINO ACIDS

Turbo-cell Boost™ Iodine is an organic biostimulant containing enzymatically hydrolyzed seaweed extract (*Ecklonia maxima*) and Protein hydrolysate

Key Benefits

ROOT DEVELOPMENT

Natural growth stimulants for enhanced root development.

STRESS RESISTANCE

Increased tolerance to abiotic and biotic stress conditions.

INCREASE YIELD

Stimulates root development, flowering and fruit setting

Key Features

- Contains high levels of natural plant biostimulants
- Boosts plant establishment, growth and development
- Enhances natural stress resistance mechanisms
- Improves plant health, quality and yield

Composition

% w/v

Seaweed extract (<i>Ecklonia maxima</i>)	50 %
Protein Hydrolysate	50 %
Iodine (I)	0.5 %
Potassium (K ₂ O)	0.19 %

Density 1.02 – 1.04

pH 4 - 5

Characteristics

The unique combination of L-amino acids (derived from enzymatically hydrolyzed pelagic fish concentrate) and Seaweed extract (derived from enzymatically hydrolyzed *Ecklonia maxima*) ensures a Biostimulant high in essential amino acids and natural plant growth stimulants.

The enzymatic hydrolysis process ensures a high quality of bio-available amino acids and natural growth stimulants without altering their structure and functionality.

Contains Iodine - Iodine improve Plant Growth and Development and Modulate the Plant Transcriptome. Iodine is important for a plant's life as it is regularly in variable amounts in the soil, water, and atmosphere.

Turbo-cell Boost™ Iodine allows an extra beneficial amount of Pure Iodine that helps regulate the expression of several genes, mostly involved in the plant defense response, suggesting that iodine protects the treated plant against both biotic and abiotic stress.

Iodinated proteins identified are also associated with the chloroplast and are functionally involved in the improvement of the plant photosynthetic processes.

Foliar application:

Crop	Rate/ha	Remarks	Crop	Rate/ha	Remarks
Berries I. Blueberries, Blackberries, Raspberries	1 - 5 L 1 - 5 L	I. Apply at the start of the growing season. II. Repeat 2 – 3 times with 14 day intervals. Apply in 300 L water/ha.	II. Groundnuts	1 - 3 L 3 - 5 L	I. Apply 2 – 3 weeks after emergence. II. Apply 14 days later. Apply in 200 L water/ha.
II. Strawberries	1 - 2 L 1 - 2 L	I. Drench seedlings before transplanting. (see drench application below) II. Apply 2 weeks after transplant. III. Repeat 14 days later, repeat 2 – 3 times. Apply in 200 L water.	III. Soy Beans	1 - 3 L 3 - 5 L	I. Apply 2 – 3 weeks after emergence. II. Apply 14 days later. Apply in 200 L water/ha.
Bulb, Tuber & Root Crops I. Onions, Garlic	1 - 2 L 1 - 2,5 L	I. Drench seedlings before transplanting. (see drench application below) II. Apply 2 weeks after transplant. III. Repeat 14 days later, repeat 2 – 3 times. Apply in 200 L water.	Pineapples	1 - 3 L 1 - 3 L	I. Apply at the start of the growing season. II. Repeat application after 14 days. Apply in 1000 – 2000 L water/ha.
II. Potatoes, Sweet Potatoes	1 - 2 L 1 - 2 L 3 - 5 L 3 - 5 L	I. Start of emergence. II. Apply 3 weeks after transplant. III. Repeat 14 days after transplant. IV. Repeat 14 days later, repeat 2 – 3 times. Apply in 200 L water.	Pome fruit Apples, Pears, Quinces	3 - 5 L 3 - 5 L	I. Apply at the start of the growing season. II. Repeat application after 14 days. Apply in 1000 – 2000 L water/ha.
Grain Crops I. Maize, Sorghum	1 - 3 L 3 - 5 L	I. Apply 2 – 3 weeks after emergence. II. Apply 14 days later. Apply in 200 L water/ha.	Solanaceous Crops I. Chilies, Paprika, Peppers, Tomatoes	1 - 2 L 1 - 2,5 L	I. Drench seedlings before transplanting. (see drench application below). II. Apply 2 weeks after transplant. III. Repeat 14 days later, repeat 2 – 3 times. Apply in 200 L water.
II. Rice, Wheat	1 - 3 L 3 - 5 L	I. Apply 2 – 3 weeks after emergence. II. Apply 14 days later. Apply in 200 L water/ha.	Stone Fruit Apricots, Nectarines, Peaches, Plums	2 - 5 L 2 - 5 L	I. Apply at the start of the growing season. II. Repeat 2 – 3 times with 14 day intervals. Apply in 1000 – 2000 L water/ha.
Grapes Table and Wine Grapes	1 - 3 L 1 - 5 L 1 - 5 L	I. Apply at 2-5 cm shoot length. II. Apply 14 days later. III. Apply at pea berry size. Apply in 500 – 750 L water/ha.	Subtropical Fruit I. Avocados	2 - 5 L 2 - 5 L	I. Apply at the start of the growing season. II. Repeat 2 – 3 times with 14 day intervals. Apply in 1000 – 2000 L water/ha.
Leafy Vegetables Lettuce, Spinach	1 - 2 L 1 - 2,5 L	I. Drench seedlings before transplanting. (see drench application below). II. Apply 2 weeks after transplant. III. Repeat 14 days later, repeat 2 – 3 times. Apply in 200 L water.	II. Guavas	2 - 5 L 2 - 5 L	I. Apply at the start of the growing season. II. Repeat 2 – 3 times with 14 day intervals. Apply in 300 – 500 L water/ha.
Legumes I. Dry Beans, Peas	1 - 3 L 3 - 5 L	I. Apply 2 – 3 weeks after emergence. II. Apply 14 days later. Apply in 200 L water/ha.	III. Lychees, Mangoes	2 - 5 L 2 - 5 L	I. Apply at the start of the growing season. II. Repeat 2 – 3 times with 14 day intervals. Apply in 1000 – 2000 L water/ha.
			VI. Citrus	2 - 5 L 2 - 5 L	I. Apply at the start of the growing season. II. Repeat 2 – 3 times with 14 day intervals. Apply in 1000 – 2000 L water/ha.
			Pomegranate	2 - 5 L 2 - 5 L	I. Apply at the start of the growing season. II. Repeat 2 – 3 times with 14 day intervals. Apply in 300 L water/ha.

Drench application:

Crop	Rate/ha	Remarks
All Crops	5 - 10 L	Apply through irrigation water or apply directly to the soil with suitable applicator. Use sufficient water to wash into root zone. Use the lower dosage on younger plants and higher dosage for mature plants. Repeat application every 14 – 21 days as necessary.
Young trees	4 % solution	Add 1 – 5 L solution as a soil drench or into the planting hole before planting.
Seedlings	4 % solution	Drench seedlings or seedling trays for 5-10 minutes in solution before transplanting.

Important Note:

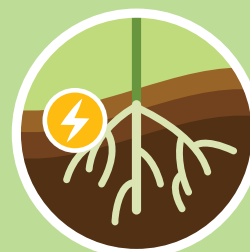
The indicated crops and recommended rate of application mentioned in this Product informative sheet may not be applicable in the country where the product is intended to be used. User must refer and use the product only as per the official registration at the country of use and the approved uses and rates by the authorized authorities. The supplier will not be responsible or liable if the product is used on crops which are not listed on the official label as approved the ministry of agriculture at the country of use.



Suitable for foliar applications from seedling to mature stage with all common applicators



Suitable for soil applications via the irrigation systems, soil drench or direct sprays to the soil



The natural growth stimulants, auxins and cytokinins will enhance root development

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