



BOTAN ROOT

PRODUCT DATA SHEET

Tradename	BOTAN ROOT
Type	Biostimulants
Objective	Crop Protection
Made by	Botanitec SpA
Commercialized by	Botanitec SpA



COMPOSITION

Compounds	%	g/L
Antioxidants (DPPH)	1.3	13
Total Polyphenols	1.9	19
Organic Material	5.5	55
Organic Carbon	3.1	31

Elements	%	mg/L
Total Nitrogen (N)	0.06	600
Nitrate (NO ₃)	0	18
Ammonium (NH ₄)	0	25
Soluble Potash (K ₂ O)	0.03	306
Available Phosphate (P ₂ O ₅)	0	27.5
Magnesium (Mg)	0.01	91
Calcium (Ca)	0.02	198

Microelements	%	mg/L
Iron (Fe)	0	18
Manganese (Mn)	0	8
Zinc (Zn)	0	1

Heavy Metals	%	mg/L
Arsenic (As)	0	<0.01
Cadmium (Cd)	0	<0.01
Mercury (Hg)	0	<0.01
Lead (Pb)	0	<0.01

Density (at 20°C) 1 g/mL.

pH (at 100%; 20°C) 3.3.

Electric conductivity 2.5 dS/m.

Formulation Soluble Concentrate – SL.

Mode of action Contact.

FEATURES

BOTAN ROOT is a **natural and organic antioxidant** composition, manufactured from waste from the agricultural industry, in tune with the Circular Economy. This natural solution is in polyphenols and flavonoids, which **improve the quality of lawns and plants** in terms of their physiology and their **ability to cope with abiotic stress**. Consequently, greater root development and more efficient nutrient assimilation are obtained, which **promotes growth, enhance color, and more resilient plants are obtained**. Its benefits are: Enhance plant vegetative growth and quality (color, height, number of leaves, diameter of the stem), increase the weight of the root, more and better lawns, flowers and fruits, and more resilient plants.



RECOMMENDATIONS FOR USE

Below are the indications for the use of **BOTAN ROOT** for different crops:

Crop or Plant	Application Time	Number of Applications	Watering Dose
Lawns and Ornamental Plants	First application 10 days after sowing, every 7 to 14 days. For maintenance, every 7 or 14 days.	1 and up	3 cc/L
Lawns, Ornamental Plants and Vegetables	From transplant, every 7 or 14 days. One application one day before a stress event (Excess heat, frost, water stress, herbicide, etc.).	1 to 4	3 cc/L
Orchards in Establishment and Nurseries	From transplant, every 7 or 14 days. One application one day before a stress event (Excess heat, frost, water stress, herbicide, etc.).	1 to 6	3 to 6 cc/L
Young Fruit Orchard	During flush of root growth. One application one day before a stress event (Excess heat, frost, water stress, herbicide, etc.).	1 or 2	3 L/ha
Adult Fruit Orchard	During flush of root growth. One application one day before a stress event (Excess heat, frost, water stress, herbicide, etc.).	1 or 2	6 L/ha
Nurseries	First application 7 to 10 days after transplant, every 7 to 14 days.	4 to 6	300 to 600 cc/100 L
In Vitro Plants	One application 20 days after transplant.	1	1.5 cc/L

Apply after watering, covering the root area of your lawns, plants, orchards, and fruit trees.

COMPATIBILITY AND OTHERS

- It has no compatibility problems with other phytosanitary products and fertilizers in common use. It is also compatible with *Trichodermas spp* and *Bacillus spp*.
- Shake each container before use.
- Avoid applying at extreme temperatures.
- Store in a cool, dark place. Do not expose to direct sunlight. The product can build up pressure in the container, so it is recommended to open it carefully.
- It is not toxic or dangerous for the user and the environment. Its composition makes it a non-phytotoxic formula and it is safe for operators, machinery, and the environment. It is not flammable.
- Biodegradable product, approved for use in organic agriculture, so it has no deficiency restrictions.
- Durability: 2 years.
- Sales Formats: 1.25 L.