



BOTAN FOLIAR

PRODUCT DATA SHEET

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



COMPOSITION

Compounds	%	g/L
Antioxidants (DPPH)	1.3	13
Total Polyphenols	2	20
Organic Material	3.5	35
Organic Carbon	1.8	18

Elements	%	mg/L
Total Nitrogen (N)	0.03	270
Nitrate (NO ₃)	0.01	122
Ammonium (NH ₄)	0.02	162
Soluble Potash (K ₂ O)	0.04	397
Available Phosphate (P ₂ O ₅)	0.01	63
Magnesium (Mg)	0.03	277
Calcium (Ca)	0.05	539
Sulfur (S)	0.03	300

Microelements	%	mg/L
Iron (Fe)	0	3
Manganese (Mn)	0	14
Zinc (Zn)	0	10

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)	3.4.
Electric conductivity	2.4 dS/m.
Formulation	Soluble Concentrate – SL.
Mode of action	Contact.

FEATURES

BOTAN FOLIAR is a **natural and organic antioxidant** composition, manufactured from waste from the agricultural industry, in tune with the Circular Economy. Its active ingredients are essential to reduce the oxidative stress of the plant and **promote photosynthesis**, impacting growth and the quality of the plant and its fruits. By **minimizing the effect of stress** (transplantation, extreme temperatures, water deficit, among others) the recovery of the plant is encouraged, generating an increase in its dry and fresh weight, size, firmness and the color of the fruits, and the overall quality of the plant. This biostimulant is made from plant extracts and its active ingredients have been extracted from processes that do not require organic solvents, being water-based, obtaining an extract rich in polyphenols and flavonoids, in addition to the presence of carbohydrates, proteins and micronutrients. Its benefits are: **Enhance lawns and plants color, quality, and vegetative growth; increase fruit and vegetable size, quality and postharvest life.**



RECOMMENDATIONS FOR USE

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

Crop or Plant	Objective	Application Time	Number of Applications	Foliar Dose	Suggested Wetting (L/ha)
Lawns and Ornamental Plants	Quality and growth	Every 7 or 14 days.	4	3 cc/L	-
	Establishment	First application 10 days after sowing, every 7 to 14 days.	4	3 cc/L	-
	Stress	The day before and/or 3 days after.	1 or 2	6 cc/L	-
Cherries	Caliber	From flower fading, every 7 to 10 days.	4	3 L/ha	1000
	Firmness and calcium assimilation.	From fruit set, every 7 to 10 days.	4	3 L/ha	1000
	Improve postharvest life	From fruit set, every 7 to 10 days.	4	3 L/ha	1000
Grapes	Yield and acidity	From fruit set, every 14 days.	2	6 L/ha	600
	Improve stalk quality	From fruit set, every 14 days.	2	6 L/ha	600
Blueberries and berries	Firmness and calcium assimilation.	From fruit set, every 7 days.	4	3 L/ha	500 to 1000
Apples	Caliber and color	From color change, every 7 to 14 days.	4	3 L/ha	1000
Walnuts	Caliber and color	From fruit set, every 7 days.	4	3 to 6 L/ha	2000
Citrus Fruits	Yield, color, firmness, and calcium assimilation.	From fruit set, every 14 days.	2	6 L/ha	3000
Adult Fruit Orchards	Stress	The day before and/or 3 days after.	1 or 2	600 cc/100 L	1000
Young Fruit Orchards	Establishment	Post-transplant application, every 7 to 10 days.	4	3 L/ha	1000
	Vegetative growth	Every 7 to 10 days.	4	3 L/ha	1000
	Stress	The day before and/or 3 days after.	1 or 2	6 L/ha	1000
Vegetables	Establishment and performance	First application 7 to 10 days after transplant, every 7 to 14 days.	4	300 cc/100 L	-
Nurseries	Vegetative growth	First application 7 to 10 days after transplant, every 7 to 14 days.	4 to 6	300 to 600 cc/100 L	-

Apply the solution by sprinkling (as rain) to the leaves of the plant. Use sufficient wetting to ensure uniform coverage of the plant. Apply while there is no direct sunlight, avoiding the following conditions: dew present, rain for at least 24 hours before and after application. Avoid application in strong winds (> 6 mph) due to the risk of drift.



COMPATIBILITY AND OTHERS

- If possible, apply with a turbo sprayer to guarantee uniformity of distribution.
- It has no compatibility problems with other phytosanitary products and foliar 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.