



GreenBiotech



Greenflou technical data sheet

Greenflou is a moisture-retaining soil amendment developed to optimize water use in turf and treat the soil through all irrigation systems. Its action helps protect soil aggregates, preserving soil structure and preventing water loss by leaching. This promotes better root development and greater water availability for plants, even under low rainfall or limited irrigation conditions. By forming a larger and longer-lasting moist root bulb, it significantly reduces water stress between irrigations, facilitating vigorous development.

In addition, **Greenflou** contributes to energy savings during the search process and facilitates absorption of available water. This results in lower metabolic expenditure during water uptake, redirecting that energy toward crop growth and development, making it more homogeneous and improving overall performance and health.

Thanks to the stabilization of soil structure, **Greenflou** improves infiltration of both irrigation water and rainwater, and helps prevent erosion caused by the force of water. This protective action is key to maintaining ground integrity and ensuring a more uniform distribution of moisture.

Greenflou increases the efficiency of fertilizers and phytosanitary inputs applied through fertigation. By maintaining better retention of water and nutrients in the root zone, losses by leaching are reduced, especially contaminating nitrates and nitrites, by more than 30%. This not only improves plant nutrition but also contributes to more sustainable management.

After overseeding, **Greenflou** helps achieve maximum germination due to the maintenance of constant moisture.

Greenflou is classified as a group 7-08 product, according to Annex I of Royal Decree 999/2017 of 24 November, amending RD 506/2013 of 28 June on fertilizing products.

CHARACTERISTICS

Ingredients	2-propenoic acid homopolymer.
Precautions	Can be mixed with fertilizers for application in all types of technical irrigation.
Storage	Store in a cool, dry place. Original container hermetically sealed. Do not expose to sunlight.
Storage temperature	0-35 °C.
Application temperature	5-25 °C.
Application route	Foliar and/or root.
Shelf life	24 months.
pH restrictions	Avoid strongly alkaline pH.



Additional information	Due to its low viscosity, it is guaranteed not to produce obstructions at the discharge points of the irrigation system.
Net content	25 kg.

PHYSICO-CHEMICAL PROPERTIES

Physical state	Liquid.
Color	Colorless or slightly yellowish.
Odor	Odorless.
Density	1.15 - 1.30 g/cm ³ .
Electrical conductivity (at 20 °C)	8.70 mS/cm.
pH (at 25 °C)	4 - 5.
Solubility	100% soluble in water.
Melting/freezing point	< 5 °C.
Boiling point	> 100 °C.
Flammability	Not applicable.
Vapor pressure (at 20 °C)	2.3 kPa.
Absorption capacity in distilled water 450 g H ₂ O/100 g of product	28% *

*Absorption capacity may vary depending on external environmental and soil factors (examples: humidity, temperature, aggregation and soil type).

DECLARED CONTENT

2-propenoic acid homopolymer in aqueous solution: 29.8%.

APPLICATION DOSE

Indicative dose	Application frequency	Application method
10 kg/ha in monthly applications.	Once a month.**	Fertigation at the start. Treatment tanks.***

**Application frequency will vary depending on soil structure, water demand and soil moisture evaluation.

***After application, an immediate assimilation irrigation of approximately 3 minutes should be carried out for proper penetration into the soil profile.



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PREPARATION FOR APPLICATION

Shake the container before using the product. Add the product to the mixing tank with half of the required water, agitate properly and complete the mixing tank with water; agitate again to ensure a homogeneous mixture.

INCOMPATIBILITY

Incompatible with products with strongly alkaline pH.

RECOMMENDATIONS

Apply at the start of irrigation.

It is recommended to include it in the schedule during the most demanding months for water demand.

It is compatible with all treatment inputs; however, it is recommended not to add other chemical products directly.