

MACRILS@

RECh No.: Exempt from registration

1. Product information

Regulatory Framework	<p>Specific action products - Biostimulants pursuant to Legislative Decree of 29th April 2019, n.75.</p> <p>ALLOWED IN ORGANIC FARMING according to Reg. (EU) 2018/848.</p>
Product description	<p>The MACRILS@ is a vegetable biostimulant in liquid form obtained from an innovative extraction process (Cold State Cell Disruption®) of Macrocyctis algae from the southern Chilean coast.</p> <p>The formulation contains mannitol, alginates, betaine, polyamines and other growth factors completely of natural origin. It also contains small concentrations of secondary nutrients and traces of micro-nutrients.</p>
Functional properties	<p>The strong biostimulating action of each of the substances characterizing the MACRILS@ make it unique in its kind.</p> <p>The gibberellin and auxin like activity, together with mannitol, alginates and betaine, allows important effect on vegetative development and cell elongation, as well as on flowering and fruit setting.</p> <p>MACRILS@ increases fruit development and improves their quality characteristics, in terms of consistency, dry substance, tolerance to water and physiological stress during ripening.</p>
Indications for use	<p>MACRILS@ can be used by foliar application, mixed with organic nitrogen and amino acids, to favor the initial vegetative development of horticultural crops after transplantation and the elongation of shoots and flower clusters of vines and other tree crops. Applied during flowering, it favors fruit setting, even of new hybrids or species in the process of adapting to new cultivation environments.</p> <p>In post-setting, MACRILS@ stimulates cellular distension and therefore the increase in the caliber of the fruit, with a marked anti-stress action from water shortage and improvement of the shelf-life.</p>
Packaging	1 kg – 5kg – 20kg
Physical state-Appearance	Liquid – Dark brown

2. Typical analysis

Parameter	Value	Tolerance
<u>Chemical parameters:</u>		
Organic nitrogen (N)	1.60%	± 0.05
Organic carbon (C)	10.4%	± 0.2
Carbon/Nitrogen ratio (C/N)	6.2 – 6.8	-
Total potassium oxide (K ₂ O)	1.3 – 2.3%	-
Dry matter	26.5 – 28.0%	-
Organic matter	21.0 – 22.5%	-
Ash	5.0 – 6.0%	-
<u>Physical parameters</u>		
Electrical conductivity 1:100 (dS/m)	1.5	± 0.3
Density (kg/dm ³)	1.11	± 0.10
pH	4.5	± 0.5

3. Microbiological analysis

Parameter	Value	Method of analysis
Enterobacteriaceae (UFC/g)	< 10	ISO 21528-2 2004
Salmonella spp.	Absent in 25g	UNI EN ISO 6579-1:2017

4. Warnings

Storage	Store in a cool, dry place, away from children, sunlight and heat sources. Once opened keep in original container closed tightly. Keep containers upright and safe by avoiding the possibility of falls or collisions.
Handling	Shake well before use.

5. Precautionary statement

Before using this product, read the Information Safety Data Sheet.