

Growth promoter
Resoil activ

The product derived from natural raw materials (made of leonardite) with a high content of humic acids, which is used both for seed treatment and for foliar feeding and ferrigation.

Applied for adjusting the nutrition in the absence of micronutrients, to stimulate plant growth and root system development and to activate various protective functions of the plants.

Product features

Indicator name	Units of measure	Value*	Note
Density	kg/l	1,05-1,37	
Boiling point	°C	+ 97	
Freezing point	°C	-4 -8	
Storage temperature	°C	+ 10 +45	
Temperature of loss of the properties	°C	Less than + 5 over + 50	Avoid long-term exposure to direct sunlight
Form		Liquid	
Color		From light brown with a pink tinge to dark brown	
Odor		none	
pH	pH	5,33-5,37	
Humic acids	%	0,285-0,325	
Fulvic acids	%	0,065-0,0747	
Ash content	g/l	4,55	
Dry residue	g/l	5,99	
Humic acids	g/l	1,00-1,10	
Fulvic acids	g/l	0,04	
K	mg/l	95,0	
Si	mg/l	718,6	
Ca	mg/l	1637,8	
S	mg/l	979,1	
Mn	mg/l	5,2	
Fe	mg/l	645,0	
Cu	mg/l	3,3	
Zn	mg/l	5,6	
Organic matter	g/l	5,7-5,9	

* The value of the indicators depending on the raw material may differ $\pm 10\%$

Benefits

1. Used as a growth stimulant and simultaneously as anti-stress and adaptogen - a means of rapid adaptation of the plant to unfavorable conditions.
2. 100% soluble.
3. High biological activity.
4. Environmental-friendly.
5. Does not conflict with water-soluble fertilizers and pesticides, increasing their effectiveness.
6. Activates the growth processes of the vegetative mass and root system.
7. Increases the resistance to plant diseases.
8. Improves the quality of the product: weight and sugar content of fruits, vegetables, berries, grain class - protein, gluten, grain nature, etc.
9. Seeds treated before sowing significantly increase the viability and energy of growth.
10. Used with different types of sprayers and drip systems.
11. Increases the resistance of plants to stress from plant protection products and lack of moisture.
12. Increases the water content in the plant tissues.
13. Intensifies metabolic processes in the plant cell, increases the intensity of photosynthesis, without increasing the transpiration coefficient.

Application rate for the cultures:

- Gardens 2.0-10.0 l/ha (up to 2.5% in the solution with foliar application and up to 5.0% with drip irrigation).
- Greenhouse (ferrigation) 1.0-10.0 l/ha (up to 5.0% in the solution).
- Field crops:
 1. Seed treatment 3.0-7.0 l/t (depending on the surface area of the seed. For example: Rapeseed 7.0 l/t, and soybeans 3.0 l/t).
 2. Application on vegetative parts of plants:
 - Cereals 3.0-10.0 l/ha (up to 2.0% in the solution).
 - Leguminous 1.0-4.0 l/ha (up to 2.5% in the solution).
 - Vegetables 2.0-10.0 l/ha (up to 2.5% in the solution for foliar application and up to 5.0% for drip irrigation).
 - Other agricultural crops 1.0-7.0 l/ha (up to 2.5% in the solution).