+34 634 077 903 +34 692 058 845 wxid_v0n0oj6xrji822 juliosuarezrodriguez juliosuarezrodriguez@juliosuarezrodriguez.org

PRESENTATION OF SANAPLANT FERTILIZERS SERIES

We present a unique series of fertilizers designed for effective plant growth, increasing the quality of green mass and yield, the value of microelements and flavor of fruits and vegetables, the concentration of anthocyanins in foliage and peduncles. as well as disease prevention:

The products are designed by our scientific department and produced in our factory in Bulgaria.

The use of our fertilizers does not require professionally qualified personnel, they are easy to apply and high performance products.

Our concept in the creation of fertilizers is based on properties similar to those developed by nature; The Sanaplant series of fertilizers fundamentally constitute a generation of fertilizers, very economically affordable, profitable and highly effective for the sowing of crops.

We apply a modern approach to the development of fertilizers based on the study of the activation of the plant's own genetic forces that are necessary for its growth and healthy fruiting, allowing the uniform distribution of nutrients in the green mass and fruits.

Our studies show that a favorable environment is a determining factor in the development of healthy and strong plants.

Therefore, it is necessary to pay attention to the natural factors of the development of the plant, which corresponds to the maximum level of environmental friendliness in its performance.

The concept in the development of our fertilizers is based on the principle of symbiosis of plants with soil organisms that inhabit the rhizosphere, which largely determines the growth rate of the plant and the nutritional value of the future harvest.

Fertilizers of the Sanaplant series are produced using a unique technology of biological-physical-chemical depolymerization/hydrolysis of natural products in order to obtain a sufficient amount of biogenic and safe components that provide adequate nutrition for plants and rhizosphere microflora.

Let's be honest, until recently, this technology could not be available to the general consumer, since it could not compete with synthetic analogues on the fertilizer market, and with growth stimulants due to the high costs of their implementation.

However, currently, our company's team of scientists has managed to optimize production processes and bring out a unique product on the market..

The effectiveness of most fertilizers on the world market is based on outdated principles:

This is:

Increasing seed yield through a combination of inexpensive synthetic substances that are applied to plants, causing rapid and unnatural development and maturation for momentary effect:

The increase in the harvest in the number and weight of fruits.

At the same time, plants treated with these additives become dependent on chemical substances that stimulate their growth and this affects their original properties, such as nutrients, flavor, color, etc.
To all intents and purposes, the yield of such plants has little flavor, the products rot quickly and their transport must be under special conservation conditions, including their maturation is chemically treated to maintain the times necessary to reach the final consumer, which evidently affects the quality of the fruit.

As a result of constant treatments with such artificial fertilizers, the soil quickly loses its original properties, becoming enriched with various toxins.

The soil becomes unsuitable for further use and exploitation due to an imbalance in the concentrations of mineral and organic compounds.

The loss of balance, in turn, leads to the inhibition and death of the microorganisms that inhabit the soil and ensure natural fertility.

All these problems can now be avoided.

*With our modern series of new generation fertilizers Sanaplant, which implements modern factors for obtaining high-quality yield in crops**.***

Sanaplant series fertilizers contain:

• All "Natural Physicochemical Materials" to enhance both the quality and quantity of plants, improving their organoleptic properties (amino acids, peptides, proteins, vitamins, adhesive bioagents, metabiotics, macronutrients and microelements, photosynthesis stimulators, phytohormones, polysaccharides). , etc.).

• Natural immunostimulants.
• Natural anti-infective agents.

Sanaplant increases:

• The volume of green mass.
• The concentration of terpenes, anthocyanins and flavonoids in foliage and peduncles.
• The quantity, weight and value of microelements of the yield.

Sanaplant series fertilizers are suitable for all types of plants:
• For cultivation in the open field of any type of crop.
• In greenhouses, for all types of flora, vegetables and fruits.
• In hydroponics, enhancing dissolved chemical nutrients or sterile substrates (sand, gravel, ground glass) in aqueous solutions to enhance the strength of plant roots.
"Hydroponics is profitable due to the low amount of nutrients needed, and it is very useful in particularly arid areas".

Debemos señalar que es IMPOSIBLE crear UN fertilizante UNIVERSAL, motivo por el cual, nuestro departamento científico ha diseñado una serie de fertilizantes naturales con tecnología del siglo XXI.

Our series of Sanaplant fertilizers has no analogues in the world, it is uniquely designed based on extensive tests and scientific combinations that have allowed us to obtain a unique fertilizer in the world, which offers natural and ecological qualities that optimizes the production and quality of the crops. crops.

Years of research, long testing processes, qualified studies of the natural properties of plants, investment and great dedication to obtain a series of fertilizers that contribute to the increase, growth and quality of crops in a natural way without chemical additives and that allow preserve the original qualities of the plants and fruits, to produce high-quality crops, which preserve the qualities of flavor, quality and durability of the crops, enhancing the natural product without synthetic artificial chemical additives, healthier for human consumption

+34 634 077 903 +34 692 058 845 wxid_v0n0oj6xrji822 juliosuarezrodriguez juliosuarezrodriguez@juliosuarezrodriguez.org

SANAPLANT (BIO-PROGRESS) ORGANIC FERTILIZER
(STIMULATION OF PLANTS METABOLISM)

Composition:
Liquid concentrate of the extract of rhizospheric microorganisms (proteins, amino acids, metalloproteins, anti-infective components, main biomacronutrients C-N-P-K-Fe-Ca and biomicroelements) with an adherent bioagent effect (moisturizes the leaf surface).

Application:
Concentrate of a basic stimulant of plant metabolism to prepare a nutrient solution used to prepare a substrate during the growth period of the plant.

Effect:
Enrichment with biogenic elements in all stages of growth. Nutrient solution base. Activation of beneficial microflora. Provide energy for seed germination. Stimulation of the development of a complete root system of plants. Activation of the synthesis of amino acids and plant proteins. Improvement of metabolism.

Advantages:
All essential plant nutrients in bioavailable capsule form.

SANAPLANT (MINERAL) MINERAL FERTILIZER
(ENRICHMENT OF PLANT WITH BIOAVAILABLE MACRONUTRIENTS AND MICROELEMENTS)

Composition:
Liquid concentrate of extracts of marine and mountain minerals. It contains biogenic substances and more than 30 chemical elements necessary for a living organism in an easily digestible form for plants.

Application:
The working concentrate solution is sprayed onto the green mass.

Effect:
Strengthening and development of green mass, reduction of the length of internodes.
Stimulation of the formation of peduncles and fruiting. Increase the genetic potential of the plant.
Stimulation of the development of the vegetative mass of plants. Stimulation of better nitrogen uptake by plants. Improve performance quality.
Reinforcement of the flavor and aroma of the green mass, as well as of fruits. Stimulation of the formation/diversity of terpenes and secondary metabolites.
Activation of resistance to lodging of plants. Prevention of diseases due to deficiency of any element; Stimulation of the movement assimilable to the fruiting organs (increase in the content of dry matter, sugars).

+34 634 077 903 +34 692 058 845 wxid_v0n0oj6xrji822 juliosuarezrodriguez juliosuarezrodriguez@juliosuarezrodriguez.org

SANAPLANT (SANITAS) ORGANOMINERAL FERTILIZER (PLANT DISEASE PREVENTION)

Composition:
Liquid concentrate of the extract of copper, molybdenum and boron that contains minerals with a bio-adherent effect (moisturizes the surface of the leaf).

Application:
The working concentrate solution is sprayed onto the green mass.

Effect:
Activation of plant metabolism. Stimulation of root growth. Control of possible infections and parasites, reinforcing the immunity of the plant (anti-stress effect). Protection against harmful environmental influences. Control of water-salt balance (increased resistance to osmotic stress, natural regulation of water metabolism in plants). Increase the density of vegetative tissues and fruits. Increase the shelf life of fruits.

APPLICATIONS FOR OUR FERTILIZERS

1. 1. Greenhouse crops: Cucumbers, tomatoes, lettuce, berries, etc. (increase in the number of new ovaries, size and weight of the fruits, as well as improvement in the quality, flavor, aroma of the green mass and fruits).
2. 2. Tea and coffee plantations (higher green mass growth and higher green mass aroma)
3. 3. Fruit trees and shrubs: apple trees, plum trees, pear trees, grapes, olive trees, orange trees, lemon trees, peach trees, etc. (prevention of infectious and parasitic diseases, increase in the number of new ovaries, size and weight of fruits, as well as improvement in the quality of green mass, increase in sugar content in fruits).
4. 4. Flowers: Roses, peonies, tulips, lilacs, daisies, orchids, etc. (higher color saturation and flowering time, higher aroma)
5. 5. Vegetables: Lettuce, cardoons, cabbage, chard, etc. (stimulation of growth, increase in the biological value of the product).
6. 6. Ornamental plants: firs, pines, grass, flowers and indoor plants, etc. (increased growth of green mass, prevention of yellowing, increase in aroma).
7. 7. Cereals, sunflower, soybean, corn, beans, wheat and buckwheat, sorghum, etc. (accumulation of proteins, starch, oils and gluten).
8. 8. Open field crops: Potatoes, onions, garlic, peppers, tomatoes, beets, cucumbers, zucchini, watermelons, melons, berries, etc. (increase in the number, size and weight of the fruits, improvement in the quality of the green mass).
9. 9. Medicinal plants (increase in the growth of green mass and the amount of essential oils produced).
10. 10. Plants for the production of tissues (increased growth of green mass, improvement of the quality of green mass).
11. 11. Plants for livestock feeding (greater growth of green mass and greater value of micronutrients).
12. 12. Soil (activation of beneficial soil microflora, control of infectious agents, conversion of the mineral part of the soil into a bioavailable form).

BRIEF INSTRUCTIONS FOR USE

- • The fertilizer solution is applied in doses that allow a high yield (1 part of concentrated fertilizer per 1000 parts of drinking water), it is applied directly on open ground in dry and stable weather in the absence of direct sunlight or after 6:00 p.m. :00 hours.
- • When applied directly to the green mass, the fertilizer solution should be spread in the form of small uniform drops on the plantation, imitating the formation of dew drops on the leaves.
- • When applied directly to the soil, the solution must be applied by the spray method.
- • The average consumption in the use of our fertilizer solutions when applied in the work area to fumigate plants in the open field is 400 liters per 1 hectare.

RECOMMENDATIONS FOR THE APPLICATION OF FERTILIZERS OF THE SANAPLANT SERIES

Solution for working dose: 1*1000.

Consumption: 400 ml of concentrate per 1 hectare (ha) or 400 liters of working solution (400 ml of concentrate per 400 liters of water) per 1 hectare (ha).

Spraying of microdrops of the working solution on the green mass of the plants: 40 ml per 1 m2

It is also possible to use our series of fertilizers by means of a drip irrigation system.

APPLICATION SCHEDULE	
Plant growth week	**Terreno abierto/Invernadero**
Week 1	**SANAPLANT (BIO-PROGRESS)**
Week 2	**SANAPLANT (MINERAL)**
Week 3	**-**
Week 4	**SANAPLANT (SANITAS)-**
Week 5	**-**
Week 6	**SANAPLANT (BIO-PROGRESS)**
Week 7	**SANAPLANT (MINERAL)**
Week 8	-
Week 9	**SANAPLANT (SANITAS)**
Week 10	**-**
Week 11	**SANAPLANT (BIO-PROGRESS)**
Week 12	**SANAPLANT (MINERAL)**
Week 13	**-**
Week 14	**SANAPLANT (SANITAS)**

+34 634 077 903 +34 692 058 845 wxid_v0n0oj6xrji822 juliosuarezrodriguez juliosuarezrodriguez@juliosuarezrodriguez.org

Product Data Sheet
Multicomponent chelated mineral fertilizer Sanaplant (mineral)

REGULATORY AND TECHNICAL DOCUMENTATION FOR THE FINAL PRODUCT
TR 20.15.79-001-2012623913-2022; GOST R 51520-99; Technical Regulations of the Customs Union TR CU 039/2016 "On the requirements for mineral fertilizers"

Nº.	Indicator	Indicator values	Test method
	Metric characteristics		
1	Volume, ml	At least 50 At least 1,000 At least 10,000 At least 20,000	Metric
2	Strength and tightness of packaging	Tight packing. When dropped, the packaging must not be deformed and lose tightness.	GOST 26319
	Organoleptic characteristics		
3	Consistency	Liquid concentrate. A little sediment is allowed at the bottom.	GOST 23954
4	Odour	Slight specific	
5	Colour	Dark green to dark brown in colour	
	Physical and chemical indicators		
6	pH value	2.70 – 2.80	GOST R 50335
7	Organogenic substances and macronutrients incl.: oxygen, hydrogen, nitrogen, carbon, calcium, phosphorus, potassium, sulphur, sodium, chlorine, magnesium	<30%	GOST EN 15960 GOST 20851.1 GOST 20851.2 GOST 20851.3
8	Microelements: iron, iodine, cobalt, silicon, lithium, nickel, manganese, copper, molybdenum, lead, titanium, selenium, chromium, zinc, boron, fluorine, cadmium, bromine, strontium	<0.1%	GOST EN 1596 GOST EN 14888
9	Chelating agents	<30%	GOST EN 13368-1, GOST EN 13368-2-2016.
	Toxicological indicators		
10	Mass fraction of impurities of toxic elements (gross content), including individual elements, mg/kg of dry matter, up to: lead cadmium zinc copper nickel chromium mercury arsenic	 200.0 5.0 500.0 300.0 100.0 300.0 10.0	GOST R 51520-99
11	Mass concentration of benzo(a)pyrene. mg/kg of dry matter, up to	0.02	GOST R 51650
12	Mass concentration of pesticide residues in dry matter, including their individual types, mg/kg of dry matter, up to: - HCCH (sum of isomers) - DDT and its metabolites (total amounts)	 0.1 0.1	GOST 30349
	Microbiological indicators		
13	Pathogenic microflora	None	GOST R 50611-93

+34 634 077 903 +34 692 058 845 wxid_v0n0oj6xrji822 juliosuarezrodriguez juliosuarezrodriguez@juliosuarezrodriguez.org

Multicomponent chelated mineral fertilizer Sanaplant (mineral)
Composition of microelement solution

Element	%
Li	0.001
B	0.00275
C	1.5
N	1.4
Na	1.9
Mg	0.14
Al	0.0000013
P	1.1
S	0.18
Cl	0.5
K	2.5
Ca	0.055
Ti	0.00002
V	0.000012
Cr	0.0001
Mn	0.00275
Fe	0.014
Co	0.0001
Ni	0.00003
Cu	0.00051
Zn	0.00195
Se	0.0006
Br	0.00001
Mo	0.00048
Sb	0.0000012

+34 634 077 903 +34 692 058 845 wxid_v0n0oj6xrji822 juliosuarezrodriguez juliosuarezrodriguez@juliosuarezrodriguez.org

Product Data Sheet
Organic fertilizer Sanaplant (BIO-PROGRESS)

REGULATORY AND TECHNICAL DOCUMENTATION FOR THE FINAL PRODUCT
TR 20.15.80-002-2012623913-2022

Nº.	Indicator	Indicator values	Test method
	Metric characteristics		
1	Volume, ml	At least 50 At least 1,000 At least 10,000 At least 20,000	Metric
2	Strength and tightness of packaging	Tight packing. When dropped, the packaging must not be deformed and lose tightness.	GOST 26319
	Organoleptic characteristics		
3	Consistency	Liquid concentrate. A little sediment is allowed at the bottom.	GOST 23954
4	Odour	Slight sour	
5	Colour	Light yellow	
	Physical and chemical indicators		
6	pH value	6.5 – 7.5	GOST R 50335
	Organogenic substances and macronutrients incl.: nitrogen, carbon, calcium, iron, phosphorus, potassium, amino acids	<30%	GOST EN 15960 GOST 20851.1 GOST 20851.2 GOST 20851.3 GOST EN 1596 GOST 32195-2013
	Toxicological indicators		
7	Mass fraction of impurities of toxic elements (gross content), including individual elements, mg/kg of dry matter, up to: lead cadmium mercury arsenic	 130.0 2.0 2.1 10.0	GOST R 53117-2008
8	Effective specific activity of natural radionuclides, Bq/kg of dry matter, up to	300	GOST R 53117-2008
9	Mass concentration of pesticide residues in dry matter, including their individual types, mg/kg of dry matter, up to: - HCCH (sum of isomers) - DDT and its metabolites (total amounts)	 0.1 0.1	GOST 30349
	Microbiological indicators		
10	Pathogenic microflora	None	GOST R 50611-93

Organic fertilizer Sanaplant (BIO-PROGRESS)
Composition of trace element solution

Substance/Element	%
C	2.3
N	1.8
P	1.6
K	2.7
Fe	0.014
Ca	0.055
Amino acids (L-arginine, L-lysine, glycine, L-alanine)	0.002
Cytokinins (zeatin, Isopentenyladenine)	0.00001
Polysaccharides (lipopolysaccharides (LPS))	0.5
Lipopeptides	0.0012
Phytohormones (bacterial indoleacetic acid, gibberellic acid)	0.00001

+34 634 077 903 +34 692 058 845 wxid_v0n0oj6xrji822 juliosuarezrodriguez juliosuarezrodriguez@juliosuarezrodriguez.org

Product Data Sheet
Organomineral fertilizer Sanaplant (SANITAS)

REGULATORY AND TECHNICAL DOCUMENTATION FOR THE FINAL PRODUCT
TR 20.15.80-003-2012623913-2022

Nº.	Indicator	Indicator values	Test method
	Metric characteristics		
1	Volume, ml	At least 50 At least 1,000 At least 10,000 At least 20,000	Metric
2	Strength and tightness of packaging	Tight packing. When dropped, the packaging must not be deformed and lose tightness.	GOST 26319
	Organoleptic characteristics		
3	Consistency	Liquid concentrate. A little sediment is allowed at the bottom.	GOST 23954
4	Odour	Non-odourous	
5	Colour	Light blue	
	Physical and chemical indicators		
6	pH value	8.0 – 9.0	GOST R 50335
7	Organogenic substances incl.: copper, boron, molybdenum	<30%	GOST EN 1596
8	Chelating agents	<30%	GOST EN 13368-1, GOST EN 13368-2-2016.
	Toxicological indicators		
9	Mass fraction of impurities of toxic elements (gross content), including individual elements, mg/kg of dry matter, up to: lead cadmium zinc copper nickel chromium mercury arsenic	 200.0 5.0 500.0 300.0 100.0 300.0 10.0	GOST R 51520-99
10	Mass concentration of benzo(a)pyrene. mg/kg of dry matter, up to	0.02	GOST R 51650
11	Mass concentration of pesticide residues in dry matter, including their individual types, mg/kg of dry matter, up to: - HCCH (sum of isomers) - DDT and its metabolites (total amounts)	 0.1 0.1	ГОСТ 30349
	Microbiological indicators		
12	Pathogenic microflora	None	ГОСТ Р 50611-93

Product Data Sheet
Organomineral fertilizer Sanaplant (SANITAS)
Composition of solution of microelements and macronutrients (bioadhesive)

Substance/element	%
Aminochelate and Boron Glycinate	00028
Mo	0.00048
Cu	0.00055
Bioadhesive (seaweed extract)	0.0005