

Aurantica

Catalogue

*The agriculture
of the 21st
century*

Product ranges:



Biostimulant



Soil



Correctors



Biofertilizers



Specials

Qualities of each product:

Rooting



Corrector



Growth



Stress



Fruit set



Pests





Biostimulant



Amino Acids

Aminostar



Aminostar is a biostimulant used to improve the development of the plant in stress conditions, be it physical or biological.

Its content in biologically active free amino acids allows the plant to obtain these essential components in all metabolic processes without the effort of synthesizing them at times when it is most difficult for them.

14

| | |
|-------------------------|-----------|
| Free Amino Acids | 14 % w/w |
| Total Nitrogen (N) | 2,6 % w/w |
| Organic Nitrogen (N) | 2,3 % w/w |
| Ammoniacal Nitrogen (N) | 0,3 % w/w |
| Organic Matter | 30 % w/w |

24

| | |
|-------------------------|-----------|
| Free Amino Acids | 24 % w/w |
| Total Nitrogen (N) | 4,3 % w/w |
| Organic Nitrogen (N) | 3,9 % w/w |
| Nitrógeno (N) Amoniacal | 0,4 % w/w |
| Organic Matter | 30 % w/w |

Dose / Foliar: 250-500 cc/Hl
Root: 8-10 L/Ha



Biostimulants

Racinal

Rooting



Racinal is a product designed to favor rooting, the extract of the algae *Ascophyllum nodosum* that it contains favors the production of anchorage roots while the presence of amino acids from enzymatic hydrolysis induces the development of radical hairs, thus improving the absorption of nutrients.

| | |
|--|------------|
| Algae Extract <i>Ascophyllum Nodosum</i> | |
| Alginic Acid | 1,6 % w/w |
| Mannitol | 0,28 % w/w |
| Free Amino Acids | 12 % w/w |
| Total Nitrogen (N) | 2,5 % w/w |
| Organic Nitrogen (N) | 2,0 % w/w |
| Organic Matter | 20 % w/w |
| Boron (B) | 0,10 % w/w |
| Copper (Cu) | 0,10 % w/w |
| Iron (Fe) | 0,60 % w/w |
| Manganese (Mn) | 0,30 % w/w |
| Molybdenum (Mo) | 0,02 % w/w |
| Zinc (Zn) | 0,20 % w/w |

Dose / Root: 1-2 L/Ha

Fruital Plus

Flowering & Setting



Fruital Plus combines 12% free amino acids with 3% molybdenum, among these amino acids 3% L-Tryptophan stands out, which is a hormonal precursor that favors flowering. This combination makes Fruital Plus the perfect complement to achieve an abundant and quality flowering.

| | |
|----------------------|-----------|
| Free Amino Acids | 12 % w/w |
| L-Tryptophan | 3 % w/w |
| Total Nitrogen (N) | 3,3 % w/w |
| Organic Nitrogen (N) | 2 % w/w |
| Molybdenum (Mo) | 3 % w/w |

Dose / Foliar: 200-300 cc/Hl
Root: 2-3 L/Ha



Nutrisan

Growth Biostimulant



Nutrisan is a biostimulant made up mostly of free amino acids, among these 5% L-Cysteine stands out.

Nutrisan components favor rooting, vegetative development, flowering and fattening of the product, as they provide extra energy and vigor to the different biological processes of the plant.

| | |
|----------------------|-----------|
| Free Amino Acids | 12 % w/w |
| Total Nitrogen (N) | 3,3 % w/w |
| Organic Nitrogen (N) | 2 % w/w |
| Urea Nitrogen (N) | 1,3 % w/w |

Dose / Foliar: 100-200 cc/Hl
Root: 1,5-2 L/Ha

Maxisan

Fruit Setting and Fattening



Maxisan is a biostimulant that induces a homogeneous flowering and favors the subsequent fruit setting and fattening. Thanks to the fact that it favors both processes, Maxisan is a very versatile product, especially recommended for crops that overlap flowers, fruit set and fruits in fattening.

| | |
|-----------------------------------|-------------|
| Free Amino Acids | 5 % w/w |
| Potassium (K_2O) | 20,6 % w/w |
| Phosphorus (P_2O_5) | 15,6%w/w* |
| Boron (B) | 0,70%w/w |
| Iron (Fe) chelated with EDTA | 0,03 % w/w |
| Manganese (Mn) chelated with EDTA | 0,03 % w/w |
| Copper (Cu) chelated with EDTA | 0,001 % w/w |
| Zinc (Zn) chelated with EDTA | 0,002 % w/w |

* Phosphorus in the form of Pyrophosphate that enhances the germination of the pollen grain.

Dose / Foliar: 200-300 cc/Hl
Root: 6-8 L/Ha



Algaplus

Seaweed Extract



Algaplus is a natural biostimulant composed of the extract of the seaweed *Ascophyllum nodosum*, this extract is a great source of compounds that help the plant to overcome stress situations.

It also favors rooting and flowering.

Ascophyllum Nodosum Algae Extract

| | |
|---|-------------|
| Alginic Acid | 1,5 % w/w |
| Mannitol | 0,5 % w/w |
| Total Nitrogen (N) | 0,4 % w/w |
| Organic Nitrogen (N) | 0,4 % w/w |
| Phosphorus (P ₂ O ₅) | 0,2 % w/w |
| Potassium (K ₂ O) | 0,5 % w/w |
| Magnesium (MgO) | 0,1 % w/w |
| Calcium (CaO) | 0,2 % w/w |
| Sulfur (SO ₃) | 0,4 % w/w |
| Boron (B) | 0,003 % w/w |
| Organic Matter | 15 % w/w |

Dose / Foliar: 250-300 cc/Hl
Root: 2-3 L/Ha

Madurfruit

Fruit Ripening

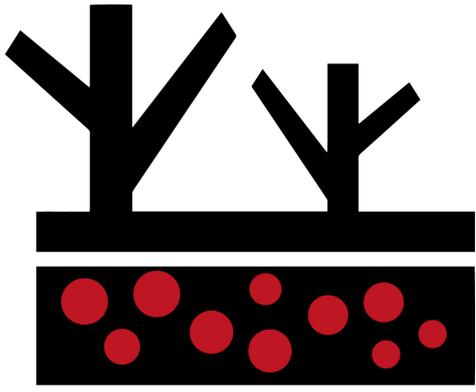


Madurfruit gives your harvest a better ripening and brix degrees, therefore it is especially recommended to apply it in the ripening phase to obtain a higher quality fruit.

| | |
|------------------------------|-----------|
| Free Amino Acids | 5 % w/w |
| Potassium (K ₂ O) | 8 % w/w |
| Calcium (CaO) | 2 % w/w |
| Magnesium (MgO) | 2 % w/w |
| Zinc (Zn) | 0,1 % w/w |
| Boron (B) | 0,1 % w/w |
| Polysaccharides | 15 % w/w |

Dose / Foliar: 200-300 cc/Hl
Root: 5 L/Ha





Soil



Fulvic Acids

Humusan



Humusan is a product composed mostly of fulvic acids. These fulvic acids are capable of complexing nutrients, improving their absorption by the plant, at the same time improving the structure of the soil, allowing greater aeration and the ability to retain water and nutrients. The root of the plant is benefited by the presence of this compound in the soil, improving its development, at the same time the beneficial microorganisms are also favored, increasing its presence and therefore its beneficial effect on the plant.

| | |
|---|-----------|
| Total Humic Extract (EHT) | 35 % w/w |
| Fulvic Acids | 32 % w/w |
| Total Nitrogen (N) | 1,7 % w/w |
| Phosphorus (P ₂ O ₅) | 0,6 % w/w |
| Potassium (K ₂ O) | 5 % w/w |
| Calcium Oxide (CaO) | 0,9 % w/w |

Dose / Root: 15-20 L/Ha

Humic Acids

Humisan



Humisan combines the action of fulvic acids, which are faster acting, with humic acids, which have a slower but also more lasting action.

16

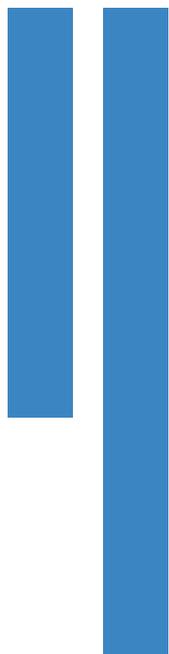
| | |
|---------------------------|----------|
| Total Humic Extract (EHT) | 16 % w/w |
| Humic Acids | 10 % w/w |
| Fulvic Acids | 6 % w/w |

26

| | |
|---------------------------|----------|
| Total Humic Extract (EHT) | 26 % w/w |
| Humic Acids | 10 % w/w |
| Fulvic Acids | 16 % w/w |

Dose / Root: 15-20 L/Ha





Correctors



Amino Acids with Microelements

Aminostar

We have complexed the quality of the amino acids present in Aminostar with different micronutrients so that they can more easily reach the different organs of the plant. The great mobility of amino acids allows less mobile elements to reach places where we generally have difficulty reaching optimal concentrations of these nutrients.

Ca



Free Amino Acids
Calcium Oxide (CaO)

5 % w/w
14 % w/w

Ca-B



Free Amino Acids
Total Nitrogen (N)
Organic Matter
Calcium Oxide (CaO)
Boron (B)

10 % w/w
6,4 % w/w
15 % w/w
8 % w/w
0,5%w/w

Fe



Free Amino Acids
Iron (Fe)
Total Nitrogen (N)

13 % w/w
6 % w/w
2,6 % w/w

Dose / Foliar: 250-500 cc/Hl
Root: 8-10 L/Ha



Deficiency Correctors

Fertimix

Mix - Microelements



Fertimix is a mixture of microelements using different compounds to chelate them. It can be applied to correct multiple deficiencies such as iron, manganese, zinc, copper, boron and molybdenum.

| | |
|-----------------------------------|------------|
| Iron (Fe) chelated with EDDHA | 4,00 % w/w |
| Manganese (Mn) chelated with EDTA | 2,00 % w/w |
| Zinc (Zn) chelated with EDTA | 0,50 % w/w |
| Copper (Cu) chelated with EDTA | 0,22 % w/w |
| Boro (B) soluble in water | 0,30 % w/w |
| Molibdeno (Mo) soluble in water | 0,02 % w/w |

Dose/ Foliar: 200-300 cc/Hl
Root: 3-5 L/Ha

Agrofer

Iron - EDDHSA



Agrofer provides iron to the plant chelated with an EDDHSA which is highly stable and can be used both in foliar application and via irrigation.

| | |
|--------------------------------|-----------|
| Iron (Fe) soluble in water | 6,0 % w/w |
| Iron (Fe) chelated with EDDHSA | 4,8 % w/w |

Dose/ Foliar: 200-300 cc/Hl
Root: 3-5 L/Ha



Boromoli



Boromoli is a product designed to treat deficiency states of boron and molybdenum, these microelements are very necessary throughout the cultivation cycle, especially in the flowering stage.

Boron (B) soluble in water 5 % w/w
Molybdenum (Mo) soluble in water 3 % w/w

Dose / Foliar: 250 - 300 cc/Hl
Root: 4-6 L/Ha

Agromanganese

Manganese- HGA



Agromanganese brings manganese to the plant in an easily assimilable form. Manganese deficiency is difficult to differentiate in the plant, so it is recommended to use Agromanganese especially in plants sensitive to the lack of this nutrient.

Manganese (Mn) complexed with HGA 8 % w/w

Dose / Foliar: 200-300 cc/Hl
Root: 3-5 L/Ha

Agrozinc

Zinc - EDTA



Agrozinc is a corrector of Zinc deficiencies, this microelement is very little mobile within the plant, so its deficiency is mainly shown in the younger leaves, therefore in sensitive crops we must ensure that the plant has zinc at its disposal of quality as is Agrozinc.

Zinc (Zn) chelated with EDTA 15 % w/w

Dose / Foliar: 200-300 cc/Hl
Root: 3-5 L/Ha



Biobore

Boron - etanolamina



Biobore is a boron-based product that prevents and corrects deficiencies of this element. Boron is especially necessary in certain phases of the plant such as flowering.

Boron (B)

10 % w/w

Dose / Foliar: 200-300 cc/HA
Root: 3-5 L/Ha

Potabio

Potassium



Potabio is an excellent way to apply potassium through a concentrated solution of this element. Its application is recommended especially in periods of rapid fattening of the fruit to avoid deficiency states of this element.

Potassium (K_2O) soluble in water 33 % w/w (50 % w/v)
Agente Quelatante EDTA 3 % w/w

Dose / Foliar: 250-300 cc/HA
Root: 5 L/Ha



Deficiency Corrector

Agroca

Ca - EDTA



Agroca is a product used to prevent and correct calcium deficiencies, this element has a mainly structural function in plants since it is part of the cell wall.

Calcium (CaO) soluble in water

14 % w/w

Dose / Foliar: 250-300 cc/Hl
Root: 2-3 L/Ha

Agroca eco



Agroca eco is a calcium product complexed with acetic acid used to prevent and correct calcium deficiencies, this element has a mainly structural function in plants since it is part of the cell wall.

Calcium (CaO) soluble in water

7 % w/w

Dose / Foliar: 250-300 cc/Hl
Root: 2-3 L/Ha

Agroca Flow

Ca - Flow



Agroca Flow is a very concentrated calcium product in flowable form, its contribution being suitable through any irrigation system.

Calcium (CaO)

35 % w/w

Dose / Root: 3-5 kg/Ha



Cupros

Copper Gluconate



Cupros is a copper-based product, Copper is a necessary microelement for the proper functioning of the plant, but it is also toxic to many pathogens and improves the defense system of the plant, so its contribution fulfills a double function.

Copper (Cu)

7 % w/w

Dose / Foliar: 150-200 cc/Hl
Root: 3-5 L/Ha

Agromagnesio

MgO - HGA



Agromagnesio provides complex magnesium to the crop for greater stability in the soil and better absorption.
Magnesium deficiency is sometimes difficult to tell apart, so be careful and careful.

Magnesium (MgO)

10 % w/w

Dose / Foliar: 150 - 200 cc/Hl
Root: 4 - 6 L/Ha

Agromangazinc

Mn - Zn - HGA y EDTA



Agromangazinc is a product designed to provide manganese and zinc at the same time, in this way we prevent deficiency states of these elements that can cause problems in our plant and sometimes are difficult to differentiate.

Manganese (Mn)

8 % w/w

Zinc (Zn)

6 % w/w

Dose / Foliar: 200 -300 cc/Hl
Root: 3 - 6 L/Ha

Potabio eco



Potabio is an excellent way to apply potassium through a concentrated solution of this element.

It is also a product that does not age the plant or advance maturation as it sometimes happens with other potassium-based fertilizers, its formulation is suitable for organic farming.

Potassium (K_2O)

20 % w/w

Dose / Foliar: 250-300 cc/HI
Root: 5 L/Ha

Bramak Ca

Potassium - Calcium - Magnesium - Boron



Bramak Ca is a product formulated with various nutrients to treat deficiencies of these elements, these deficiencies can cause various physiopathologies that will affect the quantity and quality of the harvest.

Total Nitrogen (N)

10,0 % w/w

Potassium (K_2O)

5,0 % w/w

Calcium

12,0 % w/w

Magnesium (MgO)

2,0 % w/w

Boron (B)

0,8 % w/w

Dose / Foliar: 200-300 cc/HI
Root: 3-5 L/Ha



GrowGel

Aurántica gels are formulated with high quality nutrients and dispersants which allow better dissolution and better dispersion both in the soil and when applied on the leaf.

With this, greater use is made of the fertilizer provided and its absorption is better.

7-20-7



| | | |
|---|------------|-----------|
| Nitrogen (N) | 7 % w/v | 5,5 % w/w |
| Phosphorus (P ₂ O ₅) | 20 % w/v | 16 % w/w |
| Potassium (K ₂ O) | 7 % w/v | 5,5 % w/w |
| Iron (Fe) | 0,14 % w/v | 0,1 % w/w |
| Manganese (Mn) | 0,14 % w/v | 0,1 % w/w |
| Zinc (Zn) | 0,14 % w/v | 0,1 % w/w |

33-5-5



| | | |
|---|------------|-----------|
| Nitrogen (N) | 33 % w/v | 26 % w/w |
| Phosphorus (P ₂ O ₅) | 5 % w/v | 4 % w/w |
| Potassium (K ₂ O) | 5 % w/v | 4 % w/w |
| Iron (Fe) | 0,14 % w/v | 0,1 % w/w |
| Manganese (Mn) | 0,14 % w/v | 0,1 % w/w |
| Zinc (Zn) | 0,14 % w/v | 0,1 % w/w |

4-16-28



| | | |
|---|------------|-----------|
| Nitrogen (N) | 4 % w/v | 3 % w/w |
| Phosphorus (P ₂ O ₅) | 16 % w/v | 12 % w/w |
| Potassium (K ₂ O) | 28 % w/v | 20 % w/w |
| Iron (Fe) | 0,14 % w/v | 0,1 % w/w |
| Manganese (Mn) | 0,14 % w/v | 0,1 % w/w |
| Zinc (Zn) | 0,14 % w/v | 0,1 % w/w |

7-0-21



| | | |
|------------------------------|-----------|----------|
| Nitrogen (N) | 7% w/v | 6% w/w |
| Potassium (K ₂ O) | 21% w/v | 17% w/w |
| Iron (Fe) | 0,14% w/v | 0,1% w/w |
| Manganese (Mn) | 0,14% w/v | 0,1% w/w |
| Zinc (Zn) | 0,14% w/v | 0,1% w/w |

17-17-17



| | | |
|---|-----------|----------|
| Nitrogen (N) | 17% w/v | 12% w/w |
| Phosphorus (P ₂ O ₅) | 17% w/v | 12% w/w |
| Potassium (K ₂ O) | 17% w/v | 12% w/w |
| Iron (Fe) | 0,14% w/v | 0,1% w/w |
| Manganese (Mn) | 0,14% w/v | 0,1% w/w |
| Zinc (Zn) | 0,14% w/v | 0,1% w/w |

Dose / Foliar: 5 kg/1.000 L
Root: 5-10 kg/Ha





Biofertilizers



Vita

The products of the "Vita Line" are formulated with different strains of microorganisms that perform functions such as fixation and solubilization of nutrients, growth promoter and pathogen antagonists.

Effective

Growth promotor



Vita Effective is a microbial compound specially indicated to improve the physical-chemical and biological conditions of the soil, favoring the development and health of crops, providing better effective conditions.

Improves soil structure and aeration.

Stimulates and strengthens the root growth of plants, promoting microbial activity and promoting the assimilation of nutrients.

Aerobic mesophilic
Count molds and yeasts
Lactobacillus count

$1,5 \times 10^6$ cfu/ml
 $7,0 \times 10^5$ cfu/ml
 $1,2 \times 10^6$ cfu/ml

Dose / Root: 4-5 L/ha per application until reaching an annual consumption of 25-30 liters.

Prius

Bacillus velezensis



Vita Prius is made up of a strain of Bacillus velezensis that has shown great ability to control diseases caused by fungi or bacteria in different crops, thanks to its ability to compete with pathogens for space, nutrients and to the production of volatile compounds.

Bacillus velezensis 1×10^8 cfu/ml

Dose / Foliar: 250-400 cc / HI
Root: 2-4 L / Ha

Fixer

Bacillus megaterium



Vita Fixer is made up of a strain of Bacillus megaterium that has shown great capacity to fix atmospheric nitrogen and solubilize phosphorus as well as produce biostimulant compounds.

Bacillus megaterium 1×10^8 cfu /ml

Dose / Foliar: 100-250 cc / HI
Root: 2-3 L / Ha



Crufense

The “**Crufense Line**” is a line of advanced products that prepares the plant to withstand critical moments of stress.

Thermal



Crufense Thermal is a product that activates the plant's defense response to adapt to extreme temperatures, both in high and low temperatures.

| | |
|--|---------|
| Free Amino acids | 8 % w/w |
| Manganese (Mn) | 3 % w/w |
| Molibdenum (Mo) | 2 % w/w |
| Contains different groups of vitamins. | |

Dose / Foliar: 200-500 cc / HI
Root: 1-4 L/ Ha

Protect



Crufense Protect is a product designed to induce a signal / cascade that activates the immune system of plants against pathogens such as bacteria and fungi.

| | |
|--------------------|---------|
| Poli D-glucosamine | 4 % w/w |
|--------------------|---------|

This product can be considered a “basic substance” regulated by the RCE I 107/2009 of the European Union.

Dose / Foliar: 200-400 cc / HI
Root: 1,5-2,5 L/ Ha



Hydric



Crufense Hydric is a product designed to prevent further damage caused by an abrupt change in the water supplied to the crop, it can be either an increase or decrease in it or a sudden change in conductivity.

It works by protecting the membrane of the plant cells from possible breaks.

| | |
|--|-----------|
| Potassium (K_2O) | 10 % w/w |
| Amino acids (GB) | 4 % w/w |
| Seaweed extract: | |
| Alginic acid | 1,5 % w/w |
| Manitol | 0,5 % w/w |
| Contains different groups of vitamins. | |

Dose / Foliar: 200-400 cc /HI
Root: 2-4 L/ Ha

Force



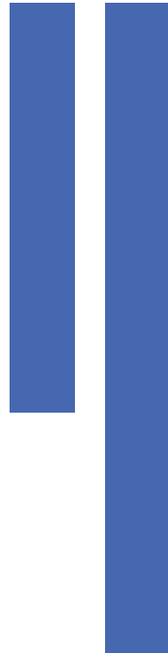
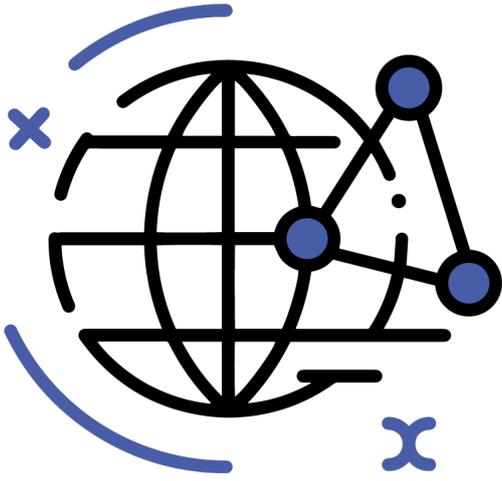
Crufense Force is an activator of different biostimulant responses in the plant that result in increased tolerance to different stresses.

It is also an enhancer of the initial phase of sprouting and fruit setting.

| | |
|--|-----------|
| Potassium (K_2O) | 10 % w/w |
| Seaweed extract: | |
| Alginic acid | 1,5 % w/w |
| Manitol | 0,5% w/w |
| Contains different groups of vitamins. | |

Dose / Foliar: 200-300 cc /HI
Root: 2-3 L/Ha





Especiales



Hydrant

Surfactant



Hydrant is a product designed to improve the application of treatments, It reduces the size of the drop allowing the treatment to wet all the surface. It is a nonionic surfactant that improves the penetrability and wettability of plant protection stocks in all types of crops. Reduces the surface tension of the broth and favors the formation of a thin film on the pulverized vegetable, improving the treatment's efficiency.

Ethoxylated fatty alcohol 15 % w/w

Dose / 100 ml por 100 litros de agua (0,1%).

Turgenic

Osmotic balance regulator



Turgenic regulates the osmotic balance maintaining cell turgidity and improving the resistance of plants against situations caused by extreme temperatures, salinity, drought, etc., in addition to producing an evident increase in yield.

Turgenic reduces the incidence of stress-related physiopathies such as abortion of freshly curdled fruits, poor flower quality, cracking and malformations in fruits or other plant structures.

| | |
|-------------------------|------------|
| Amino acids + G.B. | 97 % w/w |
| Total Nitrogen (N) | 11,6 % w/w |
| Organic Nitrogen (N) | 10,4 % w/w |
| Ammoniacal Nitrogen (N) | 1,2 % w/w |
| Organic Carbon (C) | 56,8 % w/w |
| C/N Ratio | 5,46 |

Dose / Foliar: 150-250 g/HL
Root: 2-5 kg/Ha



Right pH

pH Regulator



Right pH regulates the pH of the water keeping the solution at adequate levels for foliar application.

It contains a color indicator that changes according to the pH of the prepared broth. Its best use is to regulate the pH of the optimal solutions for the incorporation of nutrients by the leaves and avoid the decomposition of many phytosanitary substances by alkaline hydrolysis, which increases their efficiency.

Nitrogen (N)
Phosphorus (P_2O_5)

1 % w/w
10 % w/w

Dose/

General application:
20-40 cc / hL of water.
Use the highest dose with the
hardest and alkaline waters

Silika

Silicon Solution



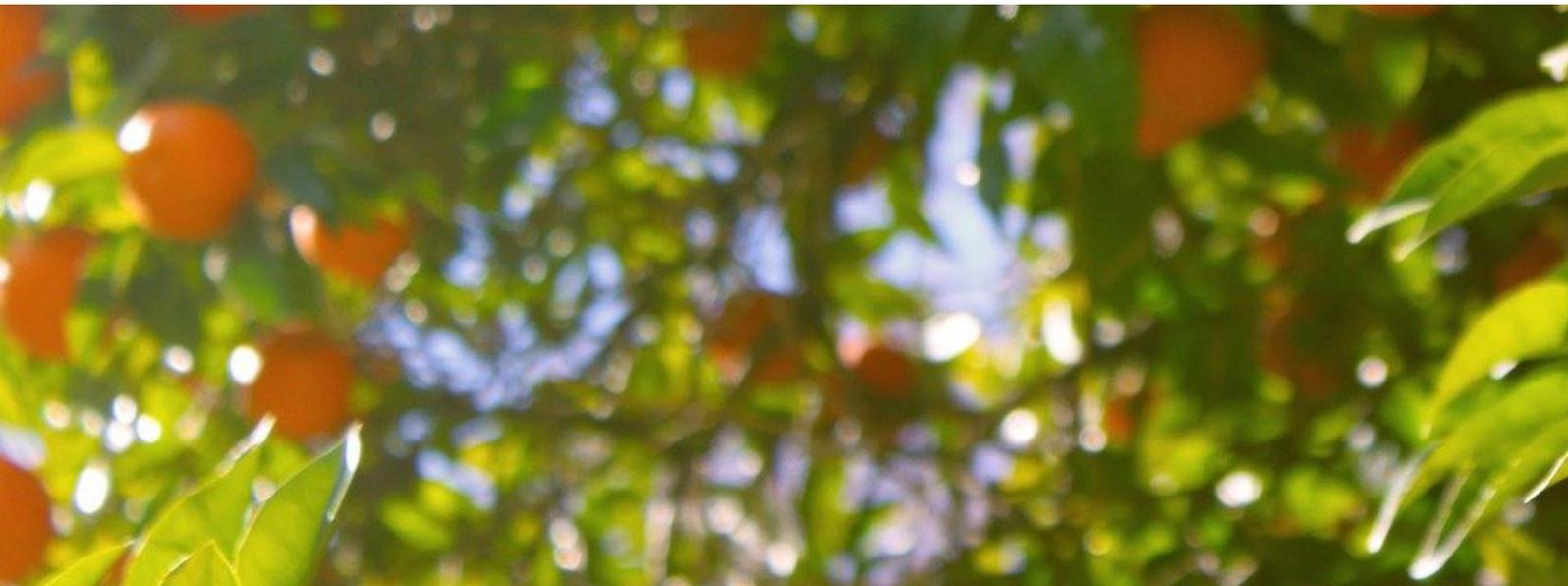
Silika is a silicon-based product, which has shown the ability to improve physical-chemical problems such as heavy metal toxicity, salt stress, soil compaction, etc. and also has a suppressive effect on different pathogens.

It therefore produces an improvement in the general state of the crop.
For both foliar and root application.

Silicon (SiO_2)
Potassium (K_2O)

23 % w/w
10 % w/w

Dose/ Foliar: 300 - 500 cc/Hl
Root: 3-5 l/Ha



Fosforic Soap

Molasses cleaner



Fosforic Soap is a product designed to clean the molasses produced by insects. This molasses is responsible for the growth of fungi such as sooty mold, which reduce the culture's ability to photosynthesize effectively.

| | |
|-----------------------------------|----------|
| Total Nitrogen (N) | 10 % w/w |
| Phosphoric anhydride (P_2O_5) | 5 % w/w |

Dose / Foliar: 150 - 200 cc/Hl

Calstar

Salinity corrector



Calstar is designed to treat soils damaged by an excess of salts in the soil, the acids present in this product will displace the sodium from the exchange bases that will be replaced by calcium, improving the structure of the soil, water retention without waterlogging and reducing salinity.

| | |
|--------------------------------|----------|
| Calcium (CaO) soluble in water | 10 % w/w |
| Calcium (CaO) complexed | 10 % w/w |
| Complexing agent AHG and LS | 20 % w/w |

Dose / Root: 5-10 / Ha



Aurantica

*Sign up
to the future*

Auranticasur.com

AURANTICA S.L, C/Ramón y Cajal, N.3 - Alcalá la Real, Jaén- SPAIN