

fertilizers catalogue



Mediterránea de agroquímicos

**liquid organic matter
humic and fulvic acids
amino acids
amino acids based products
minor elements correctors
seaweed based products
saline correctors
liquid NPKs**



Mediterránea de agroquímicos

Mediterránea de agroquímicos s.l. provides its clients with a wide range of fertilizers, most of them available in liquid form. Used with irrigation water (drip irrigation, sprinkling, etc.) or through foliar application, they are well recommended in fruit cropping, hort cropping, seedlings nurseries, greenhouses, cultivation of flowers and other ornamentals.

Our company is also involved in research and development of new products, and its possible combinations, always trying to satisfy any customer requirements and suggestions. We aim to provide our clients with professional advising in a personalized way, too.

Mediterránea de agroquímicos s.l. works hard to supply you with best solutions and feeding complements to solve plant nutritional problems at reasonable prices.

FERTILIZANTES NPK

Ciclos ((9-7-7)+ microelements)	4
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(d.corrector of Boron , soluble granules)	
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(CaO + organic matter)	
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(d.corrector of Calcium)	
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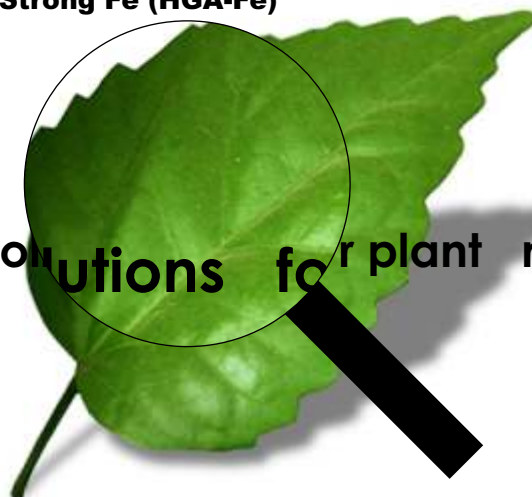
multiple

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accurate solutions for plant nutrition



NPK fertilizers



Ciclos ((9-7-7)+ microelements)	4
Fructiplus (special fertilizer)	4
Kti (10-15-18)	5
OM-K (NK+organic matter)	7
OM-P (NP+organic matter)	7

phosphites

Fósforo P-24	
(potassium phosphite)	8
Doble PK	
(potassium phosphite)	8

NPK fertilizers

Guaranteed analysis:

Nitrogen (N)	9	% w/w
Phosphorus (P ₂ O ₅)	7	% w/w
Potassium (K ₂ O)	7	% w/w
Magnesium (MgO)	0.2	% w/w
Iron (Fe)	0.1	% w/w
Zinc (Zn)	0.02	% w/w
Manganese (Mn)	0.03	% w/w

CICLOS
9-7-7 + minor elements

Ciclos is a well balanced formula containing Magnesium and the minor-elements Iron, Zinc, and Manganese, specially developed for a regular supply by drip irrigation, but also useful in conventional high-volume irrigation or foliar spraying, optimal for overcoming punctual deficiencies in plants and fruits.

Ciclos has proven very effective in crops with salinity or chlorine problems.

In combination with JUGLA-HUMIC, it offers a guaranteed supply to the crop and also improves soil fertility.

Guaranteed analysis:

Free Amino Acids	3.0	% w/w
Total Nitrogen (N)	0.5	% w/w
Phosphorus (P ₂ O ₅)	10.0	% w/w
Potassium (K ₂ O)	10.0	% w/w
Boron (B)	0.01	% w/w
Total organic matter	21.0	% w/w

FRUCTIPLUS
special fertilizer 0-10-10

Fructiplus is a special fertilizer with 3% free Amino Acids content, and Phosphorus (10%), Potassium (10%), and Boron (0.01%). Applied on crops it will improve yielding quality .

Fructiplus may be applied to all kind of fructifying crops in order to overcome weakness states related to Phosphorus or Potassium deficiencies. These elements improve fruit growing and superior quality. On the other hand, the action of Boron is also good for a correct growth of fruits.

NPK fertilizers

Kti

10-15-20 NPK

Guaranteed analysis:

Total Nitrogen (N)	10%w/w
Phosphorus (P ₂ O ₅) water soluble	15%w/w
Potassium (K ₂ O) water soluble	20%w/w

Description:

Kti is a liquid product based on a NPK formulation with a balance of 10-15-18. It is specially suited to regular fertilization through fertigation (drip irrigation , as well as flood irrigation), although it can be properly used through foliar spray.

Kti



NPK fertilizers



NPK fertilizers

OM-K

2.7/0/10+org.matter

Guaranteed analysis:

Nitrogen (N)	2,7	% w/w
Potassium (K ₂ O)	10	% w/w
Organic Matter	23	% w/w

OM-K is a liquid organomineral NK fertilizer with organic matter. Its natural chelating properties enhance availability of minor elements to the plant. It also increases availability of other minor nutrients which, otherwise, would keep insoluble in soil. This way, besides making macro as well as micro-elements more assimilable by the crop, OM-K also improves soil structure.

Application of OM-K is specially recommended from firstly fruit setting to crop harvest. OM-K is indicated for all kinds of crops.

OM-P

6.5/15.5/0+org.matter

Guaranteed analysis:

Nitrogen (N)	6,5	% w/w
Phosphorus (P ₂ O ₅)	15,5	% w/w
Organic Matter	22	% w/w

OM-P a liquid organomineral NPK amendment, whose additional formulation with organic matter increases the availability of these two major nutrients for the plant, thanks to its chelating characteristics. Also soil structure gets improved.

OM-P is recommended for every type of crop, specially in all those cases in which a good root development of the plant is looked for, from seedling up to the first fruit setting.

NPK fertilizers

Guaranteed analysis:

Phosphorus (P ₂ O ₅)	24	% w/w
Potassium (K ₂ O)	16	% w/w
Organic Matter	14.5	% w/w

FOSFORO-P-24
potassium phosphite

General information:

Fósforo P-24 has been designed as a combined regulator of Phosphorus and Potassium deficits , specially developed for proper yielding. Thanks to phosphorus formulation, Fósforo P-24 improves the strength of plants against adverse elements.

This product may be used via conventional and in drip irrigation systems, but it's specially recommended for foliar applications, in order to solve specific deficiencies and certain growing problems in plant or fruit .

Guaranteed analysis:

Phosphorus (P ₂ O ₅)	30	% w/w
Potassium (K ₂ O)	20	% w/w

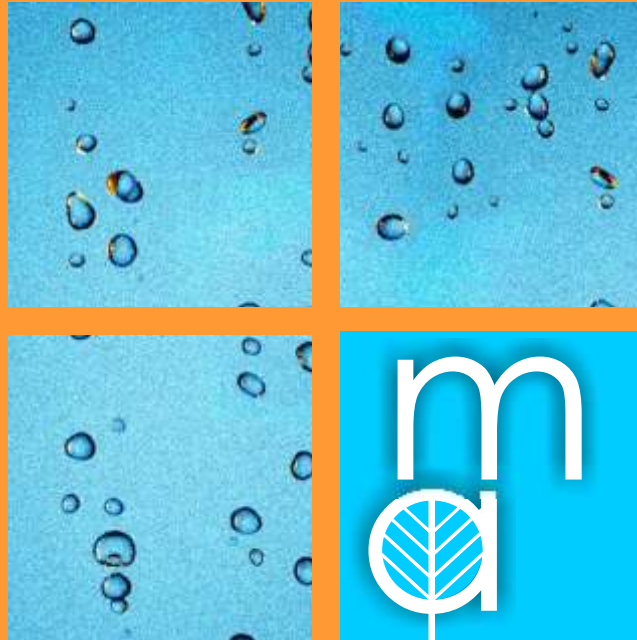
DOBLE PK
potassium phosphite

General information:

Doble PK has been designed as a combined regulator of Phosphorus and Potassium deficits, specially developed for proper yielding. Thanks to phosphorus formulation, Doble PK improves the strength of plants against adverse elements.

This product may be used via conventional and in drip irrigation systems, but it's specially recommended for foliar applications, in order to solve specific deficiencies and certain growing problems in plant or fruit.

organic amendments



humic acids

Jugla-humic (humic and organic corrector)	10
Recti-humus (soluble humic acids)	10
Orga-humic (humic acids with organic matter)	11

organic matter

Orgamed (liquid organic matter)	12
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saline corrector

Intersal (calcium as saline corrector)	12
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amino acids

Juglam-25 (special fertilizer)	13
Juglam-Fe (special fertilizer)	13
Juglam-micro (special fertilizer)	14
AA50-V (solid amino acids)	14

organic amendments

Guaranteed analysis:

Total Humic Extract	15	% w/w
Humic acids	9	% w/w
Fulvic acids	6	% w/w

JUGLA-HUMIC

organic and humic
corrector

JUGLA HUMIC is a concentrated liquid formulation with 15%w/w Total Humic Extract for its application as organic amendmend and Humic substances provider. It offers physical benefits by arising water retention, soil construction (ventilation, plowing), drought resisting, seed settlement, reducing soil erosion, and promoting beneficial microbial activity.

JUGLA HUMIC guarantees a rapid effect, due to its high content in Fulvic and Humic acids, the resulting end compounds of transformation process of the Organic Matter.

This product is liquid, and thus readily usable in drip irrigation, for water solutions of JUGLA HUMIC show high stability along time.

It may also be used via foliar application, for some formula's components may be considered as a good source of certain beneficial organic molecules .

Guaranteed analysis:

Total Humic Extract	70	% w/w
Humic acids	42	% w/w
Fulvic acids	28	% w/w

RECTI-HUMUS

soluble humic acids

RECTI HUMUS is a concentrated formulation consisting of 70%w/w Total Humic Extract, over natural weight, for its application as corrector of Organic Matter and Humic substances provider. The 100% soluble granules presentation allows easy transportation and application.

It offers physical benefits by arising water retention, soil construction (ventilation, plowing), drought resisting , by improving seed settlement, by reducing soil erosion, and by promoting beneficial microbial activity. RECTI HUMUS guarantees a rapid effect, due to its high Fulvic and Humic acids content, which are the resulting natural end products of the trasnformation process of Organic Matter in soil .

organic amendments

ORGA-HUMIC

humic acids with
organic matter

Guaranteed analysis:

Organic Matter	25	% w/w
Total Humic Extract	25	% w/w
Potassium (K ₂ O)	2.3	% w/w

Orga Humic is an excellent fertilizer which synergizes those beneficial effects of organic matter and of humic acids, both occurring in its composition.

As in the case of Jugla Humic, application of ORGAHUMIC is recommended through fertigation or foliar spraying.



organic amendments

ORGAMED liquid organic matter

Guaranteed analysis:

Organic matter	39	% w/w
Organic matter (o.d.w.)	99.9	% w/w

Orgamed is a liquid organic matter formulation with great beneficial effects on soil and plants. It improves soil construction, water retention, and organic bonding of minor elements. Its high organic matter content makes of Orgamed a unique product, which, can be applied all throughout the year, including cropping time. Plant appearance get also improved by fertilizing with Orgamed.

The beneficial effects of Orgamed upon soil plowing and fertility can get improved when using it in conjunction with Jugla-Humic .

INTERSAL calcium as saline corrector

Guaranteed analysis:

Polihydroxycarboxylic Acids	15,3	% w/w
Calcium	10	% w/w
Total Nitrogen	5,7	% w/w

General Information:

Intersal acts as saline corrector, providing 10% Calcium (CaO). Its mode of action consists of a Sodium-Calcium ion exchange, improving soil plowing and fertility, also removing undesired salts from soil. The percentage of salts in ground water gets also reduced through precipitation, thus decreasing osmotic pressure to the plant. Intersal may be used when quality deficiencies in irrigation water occur, in order to improve saline and basic grounds. The beneficial effects of Intersal upon soil plowing and fertility get improved when used with Jugla-Humic .

organic amendments

JUGLAM-25 special fertilizer

Guaranteed analysis

Free Amino Acids	24	% w/w
Total Nitrogen	3.2	% w/w
Total organic matter	16	% w/w

JUGLAM-25 is a formula with 25% of free Amino Acids. This product provides maximum uptake and utilization when applied as a foliar spray. For its readily available form, it helps plants to overcome weakness and yielding stress. Specially in front of hot, drought, and yielding stress, applying JUGLAM-25 allows the plant to overcome them.

JUGLAM-25 also improves penetrating and acting properties of insecticides and fungicides on the leaf.

JUGLAM-25 can be applied to all kind of crops: Pome fruit trees, stone fruit trees, horticultural crops, etc., with the exception of plum trees. Previous test must be carried through before applying this product on cherry trees.

JUGLAM-Fe special fertilizer

Guaranteed analysis:

Free Amino Acids	5.0	% w/w
Total organic matter	3.5	% w/w
Iron (Fe)	4.0	% w/w

JUGLAM-Fe is a fertilizer containing 5% Free Amino Acids directly available for plants, and 4 % Iron. It improves foliar uptake and guarantees excellent plant feeding, thus overcoming yielding stress or weakness states.

Amino Acids contained in the formula help the leaf to absorb minor elements, such as supplied Iron. It also insures absorption and uptake of insecticides and fungicides in combined spray programs.

JUGLAM-Fe may be applied to all kind of crops under growing or yielding stress, and weakness states related to Iron deficits.

organic amendments

JUGLAM-MICRO special fertilizer

Guaranteed analysis:

Free Amino Acids	12.0	% w/w
Total Organic Matter	8.3	% w/w
Iron (Fe)	0.2	% w/w
Zinc (Zn)	0.1	% w/w
Manganese (Mn)	0.1	% w/w
Boron (B)	0.02	% w/w

JUGLAM-MICRO is a fertilizer containing 12% free amino acids, directly available for plants, and some minor elements. It improves foliar uptake and guarantees excellent feeding, thus overcoming yielding stress or weakness states .

Due Amino Acids effect, supplied minor elements can rapidly be incorporated. JUGLAM-MICRO also improves penetrating and acting properties of insecticides and fungicides on the leaf .

JUGLAM-MICRO may be applied to all kind of crops under growing or yielding stress, and weakness related to minor element deficits.

AA50-V amino acids from vegetal origin

Guaranteed analysis:

Free amino acids	50	% w/w
Total Nitrogen (N)	12.1	% w/w

AA50-V is a homogeneous powder , highly water soluble , with a content of free amino acids from vegetal origin of 50% w/w.

This product is specially recommended when the plants are in difficulty states (growth, flowering, fruit bearing ...) and they need additional amounts of nutrients, as well as in periods in which the external conditions are adverse : low temperatures, cold winds, impoverished grounds, snow, etc.

correctors



DEFICIENCIES CORRECTORS

simple

Recti-Fe	16
(d.corrector of Iron)	
Asad Fe	16
(d.corrector of Iron)	
Recti-Mg	17
(d.corrector of Magnesium)	
Boro-6	17
(d.corrector of Boron)	
Recti-B	18
(d.corrector of Boron)	
B-Med SG	18
(d.corrector of Boron , soluble granules)	
OM-Ca	20
(CaO + organic matter)	
Recti-Ca	20
(d.corrector of Calcium)	
Recti-Cu	21
(d.corrector of Copper)	

multiple

Doble Fe-Zn	21
(d.corrector of Iron and Zinc)	
Doble Zn-Mn	22
(d.corrector of Zinc and Manganese)	
Multimicro	22
(d.corrector of Mg, Zn, Fe and Mn)	
Super Seaweed	23
(minor elements + seaweed extract)	
Special Micro	23
(minor elements + organic matter)	

chelates (microgranules)

ID-Fe (IDHA-Fe)	24
ID-Zn (IDHA-Zn)	24
ID-Mn (IDHA-Mn)	25
ID-Cu (IDHA-Cu)	25
Ferro-Star (EDDHA-Fe)	26
Strong Fe (HGA-Fe)	26

correctors

Guaranteed analysis:

Iron (Fe) 4% w/w

RECTI-Fe
iron deficiencies
corrector

Recti-Fe is a 4% solution for Iron deficient crops. The Iron in Recti-Fe is sequestered by a complex formation agent, and thus in a readily available and soluble form. This product may be used in drip irrigation, conventional irrigation, foliar or soil applied. Foliar application seems to be the best way to overcome punctual deficiencies or problems concerning lime soils.

Recti-Fe may be applied on all kind of crops under weakness states related to Iron deficits. It is widely used on field, row and vegetable crops, as well as fruit trees, horticultural and turfs.

Guaranteed analysis:

Iron (Fe) 4.5 % w/w

ASSAD-Fe
iron deficiencies
corrector

General information

Assad-Fe is an organic liquid formulation with 5% iron. This product provides excellent uptake when applied as foliar spray, but it also can be used properly with irrigation water. For its readily available form, it helps plants to overcome iron deficits, and weakness and yielding stress.

Advised uses

Assad-Fe can be applied to all kind of crops, excepting plum trees. Previous tests must be carried through before applying on cherry trees.

correctors

RECTI-Mg

magnesium defic.
corrector

Guaranteed analysis:

Magnesium (MgO)	6.5	% w/w
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General information:

Recti-Mg is a 6.5% solution for deficient in magnesium crops, where this element is sequestered by a chelating agent. Recti-Mg may be applied to soil or leaves. Foliar application is specially recommended to overcome punctual deficits of magnesium.

In plants, Magnesium serves as an activator for the plant enzymes required along the growth process. This element is also essential for photosynthesis.

Recti-Mg may be used applied on all kind of crops suffering weakness states related to Magnesium deficit. It is widely used on field, row and vegetable crops, etc.

BORO-6

boron defic.corrector

Guaranteed analysis:

Free amino acids	7	% w/w
Boron (B)	6	% w/w

BORO-6 is a boron deficiencies corrector . It is a water soluble amendment , which contains 6% w/w boron and 7% w/w free amino acids .This product may be applied by spraying and on ground, to supply this minor nutrient as needed. Among others, foliar application is preferred to prevent and overcome punctual problems (prior or along blooming and fruit bearing states).

Boron deficits can lead to inappropriate growing, flower necrosis, yielding problems, and defective fruit, among others. Beet crops show a remarkable effective response to Boro-6 applications.

correctors

RECTI-B

boron defic.corrector

Guaranteed analysis:

Boron (B) water soluble 10% w/w

Recti-Boro is a corrector for boron deficits with a 10% content of soluble boron. It may be applied through localised irrigation , flood irrigation or foliar spraying. As a result of the small boron demand along the year by the crops , foliar spraying constitutes the most suitable way of applying this product, in order to overcome temporary deficits, before or along blooming season, fruit bearing, etc

Boron deficit may cause, for instance, growing defaults, necrosis in flowers, fruit bearing problems, defaulted fruits, among other adverse effects.

B-Med SG

boron defic.corrector

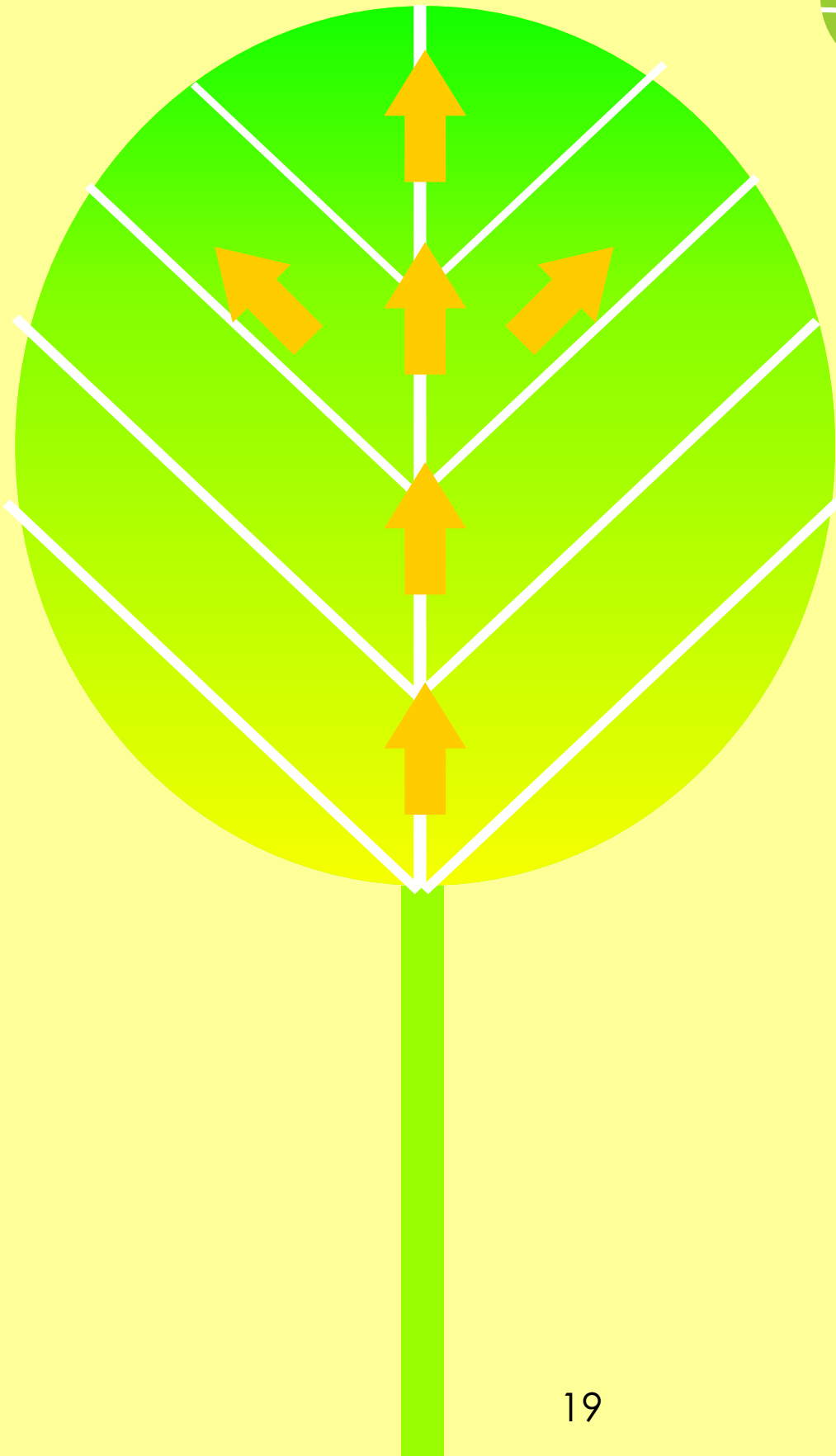
Guaranteed analysis:

Boron (B) water soluble 15% w/w

B-Med SG is a solid product based on sodium pentaborate in soluble granules form. It is a corrector for boron deficits, which brings 15% boron content in its formulation.

Due to its complete water solubility, it can be applied through localised irrigation, flood irrigation, after previous application to soil. Anyway ,foliar spraying constitutes the most suitable way of application, in order to prevent against physiopathies related to boron deficit, or in order to improve fruit and harvest quality.

correctors



correctors

OM-Ca Ca+organic matter

Guaranteed analysis:

Nitrogen(N)	3.5	%w/w
Calcium(CaO)	6	% w/w
Organic Matter	24	% w/w

OM-Ca is an amendment with a high effective calcium delivery. This element appears in chelated form, with organic matter occurring in the formula as chelating agent. It is used in order to correct calcium deficits in crops , as well as to prevent and to correct problems of salinity in the soil. It is recommended to apply it directly with irrigation water.

As a corrector , OM-Ca is indicated to all kind of crops; fruit tress , citric trees, hort crops, grain, ornamentals....

RECTI-Ca calcium defic. corrector

Guaranteed analysis:

Calcium (CaO)	14	% w/w
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Recti-Ca is a 14 % Calcium fertilizer coming from calcium nitrate. Although it may be applied by drip or conventional irrigation, Recti-Ca is specially suited for foliar application in order to prevent concrete and localised physiological disorders and deficits (growing delay, tipburn, etc.), and improve yielding conditions and preservation of harvested fruits.

Calcium deficiency symptoms are visible on younger tissues and growing points of plants. Recti-Ca is recommended for all field, vegetable, citrus fruit trees, ornamental crops, etc.

correctors

RECTI-Cu

liquid solution
with copper

Guaranteed analysis:

Copper (Cu)	6	%w/w
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Recti-Cobre is a corrector for deficiencies in copper, providing 6% copper coming from copper sulphate and partially chelated. Recti-Cobre is useful to prevent and overcome lack or induced deficiencies of this minor element (stunted growth, dieback of terminal shoots...) .

For copper in the formula is partially complexed , Recti-Cobre is also useful for a light prevention of Alternaria, Monilia, etc.

Recti-Cobre has remarkable beneficial effects on hort crops. It's important to follow directions carefully, specially when using Recti-Cobre on apple or pear trees, because it may cause russetting .

DOBLE Fe-Zn

Iron and Zinc defic.
corrector

Guaranteed analysis:

Iron (Fe)	3.5	%w/w
Zinc (Zn)	2.1	%w/w

Doble Fe-Zn contains 3.5% Iron and 2.1% Zinc, both sequestered with complexing agents. This product may be used in drip irrigation, foliar or soil applied. For specific and localised deficit problems, we recommend to spray on the leaves.

Doble Fe-Zn may be used to overcome weakness or other symptoms related to combined Fe-Zn deficiencies, such as chlorosis in veins and stretching of young leafs, or stunted growth of plants and fruits.

correctors

Guaranteed Analysis:

Zinc (Zn)	3.2	% w/w
Manganese (Mn)	4.8	% w/w

DOBLE Zn-Mn
Zinc and Manganese
defic.corrector

Doble Zn-Mn has been specially developed to overcome combined deficiencies of Zn and Mn. It contains Zn (3.2%) and Manganese (4.8%), both complexed. May be foliar or soil applied (via flood irrigation or in drip irrigation systems). Foliar application is specially recommended when temporary growing problems take place in plant, as well as in fruit.

Combined deficits of Zn-Mn, often related to alkaline soils, may be treated with Doble Zn-Mn. It is recommended for all field, row, vegetable, stone fruit trees, citrus fruit trees, ornamental crops, etc.

Guaranteed analysis

Magnesium (MgO)	2,5	% w/w
Iron (Fe)	2,5	% w/w
Zinc (Zn)	1	% w/w
Manganese (Mn)	1	% w/w

MULTI-MICRO
Mg,Zn,Fe and Mn
defic. correctors

Multi-Micro is a multi deficiency corrector that provides plants with magnesium, iron, zinc and manganese, all of them in chelated form. It can be applied by drip or conventional irrigation, but it's also suited for foliar application in order to prevent localised physiological disorders in vegetables.

Multi-Micro may be applied to all kind of crops in order to overcome deficits of above described minor elements. The application of combined magnesium, iron, zinc and manganese give plants a healthy appearance, and helps them in the biosynthesis processes.

correctors

SUPER SEAWEED minor elements+ seaweed extract

Guaranteed analysis:

Magnesium (MgO)	1,6	% w/w
Zinc (Zn)	1,6	% w/w
Manganese (Mn)	1,6	% w/w
Seaweed extract	30	% w/w

Description:

Super Seaweed is an amendment with minor elements with a high seaweed extract content. This product is completely available for the plant. It doesn't work only as a nutrient, but also as a good growing agent.

Super Seaweed can be applied to woody and also to arable crops, in order to activate growing, and to improve harvesting, quality and homogeneity of fruits. It is also indicated to use Super Seaweed in those crops under extreme conditions (freeze, drought,...).

SPECIAL MICRO minor elements+ organic matter

Guaranteed analysis:

Iron (Fe)	1	% w/w
Zinc (Zn)	0,5	% w/w
Manganese (Mn)	0,5	% w/w
Boron (B)	0.15	% w/w
Organic Matter	38.4	% w/w

Description:

Special Micro is a special fertilizer, enriched with minor elements and a great amount of organic matter in form of polysaccharides, which have great effectivity on root system. These polysaccharides get rapidly assimilated by the plant, resulting in high amounts of energy readily available, to be used by the plant in transportation, metabolic processes and root growing and development.

Thus, application of Special Micro is specially indicated in those crops needing rapid root growing and development, such as seedlings or transplanted crops.

correctors

Guaranteed analysis

Iron (Fe^{2+}) 8 % w/w

Description:

ID -Fe is IDHA-Fe , which is a micro granulated product, totally soluble in water, providing 8% w/w iron in chelated form.

This product belongs to a branch of new generation products , in which a total biodegradability is pretended, according to European new trends and norms , which become more and more restrictive regarding environmental protection, without neglecting effectivity in front of other conventional chelating products .

ID-Fe

chelated Iron
(IDHA-Fe)

Guaranteed analysis:

Zinc (Zn^{2+}) 10 % w/w

Description:

ID -Zn is IDHA-Zn , which is a micro granulated product, totally soluble in water, providing 10%w/w zinc in chelated form.

This product belongs to a branch of new generation products , in which a total biodegradability is pretended, according to European new trends and norms , which become more and more restrictive regarding environmental protection, without neglecting effectivity in front of other conventional chelating products . .

ID-Zn

chelated Zinc
(IDHA-Zn)

correctors

ID-Mn

chelated Manganese
(IDHA-Mn)

Guaranteed analysis:

Manganese (Mn^{2+}) 9 % w/w

Description:

ID -Mn is IDHA-Mn , which is a micro granulated product, totally soluble in water, providing 9% w/w manganese in chelated form.

This product belongs to a branch of new generation products , in which a total biodegradability is pretended, according to European new trends and norms , which become more and more restrictive regarding environmental protection, without neglecting effectivity in front of other conventional chelating products .

ID-Cu

chelated Copper
(IDHA-Cu)

Guaranteed analysis:

Copper (Cu^{2+}) 10% w/w

Description:

ID -Cu is IDHA-Cu , which is a micro granulated product, totally soluble in water, providing 10% w/w copper in chelated form.

This product belongs to a branch of new generation products , in which a total biodegradability is pretended, according to European new trends and norms , which become more and more restrictive regarding environmental protection, without neglecting effectivity in front of other conventional chelating products .

correctors

FERRO-Star chelated iron (EDDHA-Fe)

Guaranteed analysis:

Soluble Iron(Fe)	6 %w/w
Ortho-ortho Iron (Fe)	2-4% w/w

Description:

FERRO-Star is a micro granulated totally water soluble product. In this product Iron has been chelated by EDDH Acid. In this case, the proportion of the ortho-ortho form occurring in the formula becomes a key factor to evaluate iron availability for the plant.

In case of extremely basic soils, the use of this kind of chelate becomes probably the best choice.

STRONG-Fe chelated iron (HGA-Fe)

Guaranteed analysis:

Iron (Fe)	12 %w/w
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Description:

STRONG-Fe is a solid product containing water soluble micro granules. Iron chelated by HG Acid , an organic and readily biodegradable molecule , becomes completely available for the plant in a pH range of 2 to 12.

Due to its excellent absorption by the plant, the iron chelate is very helpful in order to overcome deficiencies of this element .

Recti-Humus...

Soluble powder for application with irrigation water,
directly to soil, or through foliar spraying

RECTI-HUMUS is a powder coming from leonardite , very rich in humic derivatives. It is completely soluble in water and, thus, it is very easy to be used. Thanks to its formulation it can be applied where other micronized humates can not : drip irrigation.

Organic matter in general, and humus in particular, play a very important role in fertility, the structure, and in water storage capacity of soil. Although by itself it already offers remarkable properties for the ground, when bonding with the clay particle occurring in soil , it forms a decisive compound, the so called clay-humic complex.

This clay-humic complex has a very high ion exchange capacity, behaving as a reservoir of minor elements when plants need them. This fact also keeps the water osmotic potential of soil in suited ranges. It also behaves as a long term source, which gradually releases mineral elements , thus making them available for plants.

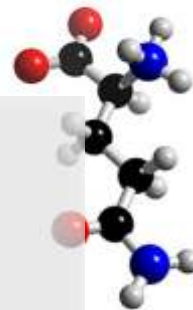
It is also noticeable the structuring effect of this complex on soil (and thus in its leaching and infiltration capabilities). The humic-clay complex improves aggregates formation, which allows a proper infiltration and leaching of water in the ground. Without an appropriate structure, although being rich in nutrients, the soil is considered unsuitable for agriculture.

This complex also increases the water retention. This water molecules are released to other parts of the ground when there is a demand due to a low water potential. The capacity of water retention of humus rich soils is much higher than those lacking organic matter.

Humic fertilization with formulations from mineral origin, such as RECTI-HUMUS, provides soil and plants with appropriate conditions needed for a successful and fruitful cropping. Moreover, the mineral origin formulations include in their composition stimulant molecules that enhance plant growing. Applied together with irrigation water, directly to soil, or sprayed to leaves of the plants, the effects are noticeable along the time, resulting in rich soils and healthy plants.



KEEP THINGS FRESH , TRY IT OUT!



...amino acids

An outstanding solid product (powder), with a high guaranteed analysis, and a great solubility (>99%) in water. These three properties allow to qualify AA50-V as an excellent product for its use in spraying, at an adjusted price.

Fertilization with amino acids is useful in stress states of plants (lack of soil humidity in warm regions, low or high temperatures, winds...), as well as for the fixation in the ground of normal fertilizers. The amino acids complex by itself can not replace "classic" amendments of mineral elements, but it is interesting as a complement in weakened plants or that crops carrying out an extra effort (growth, fruit/bearing, etc.).

The most important advantage of using amino acids in agriculture is the quick response by plants. Amino acids are end products of plant metabolism and there is no need of expending energy in transforming processes. Application of amino acids is a complementary fertilizing method, which increases the production obtained through conventional fertilizers.

This product is specially recommended when the plants suffer stress states (growth, flowering, fruit bearing, etc.) and they need additional amounts of nutrients, as well as in periods in which the external conditions are unfavourable: low temperatures, cold winds, impoverished grounds, snow, etc.

Other effects and advantages:

- Increase in productivity
- Improvement of crop quality
- General increase of the resistance of the plant (to cold conditions, drought, heat, pest infestations).
- Stimulation of the enzymatic activity of the plant.
- Greater reabsorption of the fertilizers with mineral content (Fe, Zn, Mn, Cu)

Mediterranea arranges:

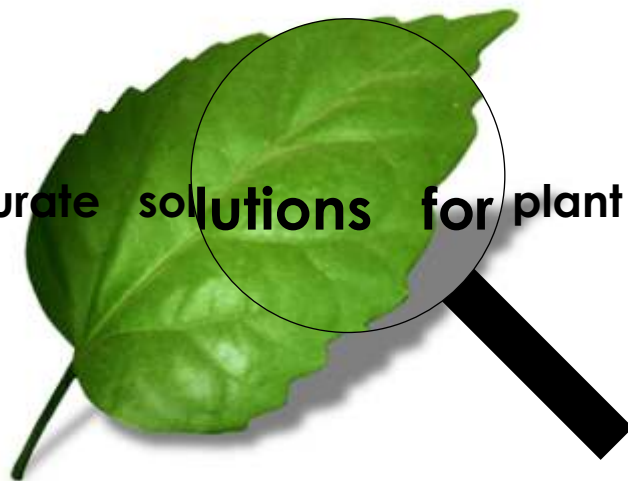
AA50-V

(amino acids of vegetal origin, with a guaranteed content of 47%-50% in free amino acids)



Mediterránea de agroquímicos

accurate solutions for plant nutrition



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