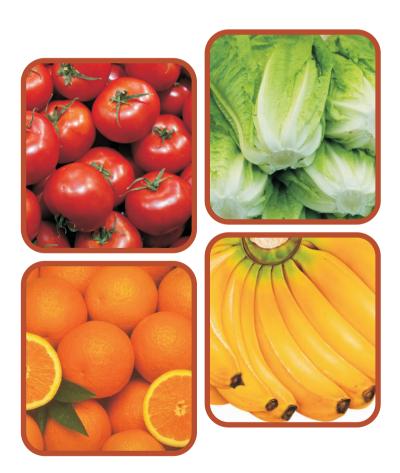


www.quelagrow.com

ORGANIQUE BROCHURE



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NUTRITION AND PROTECTION

Introduction

Organique products

QUELAGROW looks always for products that adapt to the needs of our customers and the demands of the market. That's why we launched a line of organic products that meets the needs of a market that is expanding.

The organic product line collects a wide spectrum of nutritional products with solutions for organic farming.

This line of organic products has been certified by the company SOHISCERT, which is widely recognized in the field of certification of ecological inputs.

The products that currently have the stamp of inputs for Organic Agriculture are:

We are manufacturer!





Introduction

Facilities

Thanks to our modern facilities we are able to offer our customers any type of format and packaging, from 250cc to 1,000 liters (for liquid products) or from 250grams to 25kg (for solid products) and adapt to your packaging requirements and labeling.

We have a high manufacturing capacity thanks to the various mix reactors we have which, together with the automation of the packaging, allows us to serve the orders in a short space of time.

We are specialists in small format, both liquid and solid, being able to customize the packaging to customer requirements





We have a wide portfolio of suppliers that allows us to adapt to the needs of our customers, from raw materials, packaging, labels, etc ... everything can be conditioned at the request of the markets in which we are present. In these markets exist a great variaty in crops, technification, qualification etc ...



HUMIC ACIDS AND ORGANIC MATTER

QUELAFERT® HUMIC QUELAFERT® ORGANIC QUELAFERT® ORGANIC HIERRO

Quelafert HUMIC 20



LIQUID HUMIC CONDITIONER

QUELAFERT® HUMIC20 is a natural humic conditioner, obtained from American Leonardite and presented in the form of a soluble liquid, that improves the physical, chemical and biological characteristics of the soil. The use of the product allows the medium (soil) in which the crops are grown to be improved and transformed, facilitating the availability and assimilation of the nutrients by the crops.

COMPOSTION

Total Humic Extact	20,00% w/v	18,18% w/w
Humic acids	10,00% w/v	09,09% w/w
Fulvic acids	10,00% w/v	9,09% w/w
Density	1,10 g/cc	1,10 g/cc
pH	12	12

We can supply another composition:

Extracto Húmico Total	16%	26%	26%
Ácidos Húmicos	10%	10%	16%
Ácidos Fúlvicos	6%	16%	10%

DOSES

Fertirrigation	10-20 L/Ha
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Apply throughout the crop cycle in vegetables and fruits, from transplanting or early vegetative growth to fruit set and fruit fattening in doses depending on the state of land degradation, crop stress and environmental conditions.

Horticultural and ornamental crops: Total dose: 35-40 L / ha/year, divided into 4-6 applications of 8-12 L / ha through drip irrigation, in the most critical moments of crops. The first application was made $\Box\Box$ for the purpose of promoting rooting, at 10-15 days of transplantation and in case of direct seeding with plant height of 15 cm. In intensive farming can be applied through fertigation of 2.5-3 L / ha every 8-10 days, decreasing to 1.5 L / ha in the final stage of the crop

Woody crops: citrus, fruit, olive, vine, vines and banana: Dose Total 40-60 L / Ha/year, as crop development and plantation frame, divided into 3-4 applications of 15 L / Ha, from start sprouting.

Industrial crops: In sprinkler irrigation, flood or furrow using a total dose of approximately 50 L / ha, divided into 3-4 applications of 20 L / Ha.

Perennials located in applications: Small plants or trees: 15-20 cc / ft and application. Trees developed at 30-50 cc / ft, dissolved in water. Make Multiple applications during the year.





ORGANIC FERTILIZER

QUELAFERT® ORGANIC40 is a liquid organic matter, rich in fulvic acids.

QUELAFERT® ORGANIC40 's agronomic benefits are:

- •Development strong root system
- •Improve the cation exchange capacity of the soil by increasing the clay-humic complex.
- •Improve the soil structure and modifies its physical, chemical and biological qualities.
- Facilities soil oxigenation, liberates fertilising elements and improves bacterial activity

COMPOSITION

Potassium (K ₂ O) water soluble	5% w/w 6	% w/v
C. orgánico	22% w/w 26	% w/v
Relación C/N	11	
Organic Matter Total (O.M.T)	33% w/w 40	% w/v

DOSES

•Drip irrigation:

- Citrus fruits, grapes, vegetables: Total dose of 50-70 L / ha, divided into 3-5 applications during the growing period.

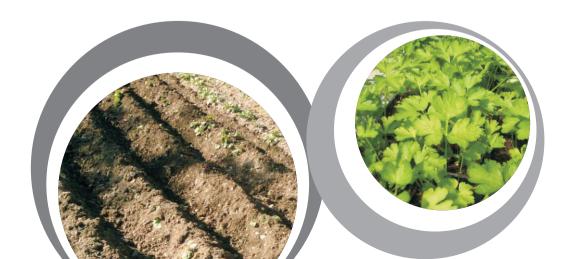
- In perennials begin before the start of sprouting.

• Flood irrigation:

- Total dose of 60-80 L / ha, divided into 3-4 applications. The first application will be a few days after emergence.

- In case of transplantation, the application will be held 10-15 days after transplantation.





Quelafert ORGANIC HIERRO



ORGANIC FERTILIZER WITH IRON

QUELAFERT® ORGANIC HIERRO is a liquid organic matter with iron (complexed with organic acids)

'QUELAFERT® ORGANIC HIERRO's agronomic benefits are:

- Development strong root system
- •Improve the cation exchange capacity of the soil by increasing the clay-humic complex.
- •Improve the soil structure and modifies its physical, chemical and biological qualities.
- Facilities soil oxigenation, liberates fertilising elements and improves bacterial activity
- •Provid iron to crop, this iron is complexed to facilitate their uptake by the plant

COMPOSITION	(w/w)
Iron (Fe) water soluble	2%
Iron (Fe) lignosulphonate potassium complexed	2%
Fulvic acid (F.A)	30%
Potassium (K2O) water soluble	2%
Density	1,1 gr/cc
pH	5

DOSIS

Fertirrigation	10-20 L/Ha (2-4 app.)
Irrigarion flood	20-50 L/Ha (4-6 app.)

The major doses will be applied in poor soils in organic matter, saline soils or with high degree of desertification.es iron to crop, this iron is complexed to facilitate their uptake by the plant



CORRECTORS OF DEFICIENCIES

QUELAFERT® SorbCa

QUELAFERT® Zn-Mn-S

QUELAFERT® Zn-Mn-L

QUELAFERT® BORO

QUELAFERT® ECOCUAJE



CALCIUM WITHOUT NITRATE

Liquid product with 9 % of Oxide of Calcium, free of nitrates and chlorides, which it turns into an excellent source of calcium, specially where it is necessary to to avoid the incorporation of nitrates. With **QUELAFERT® SorbCa** we avoid diverse diseases that suffer the cultures as the bitter-pit (apple tree), blossonen- rot (vegetables of fruit), tip-burn (vegetables of leaf and strawberry), cracking (cherry-tree and plumtree)

COMPOSITION

Calcium (CaO)	9 % w/w
Complexing agent	Etanoic acid
Densidad	1,14 gr/cc.
рН	5,0

DOSES

Fertirrigation	10 - 20 L/Ha.
Spray	250-500 cc/HI

His application is advised to prepare and to treat the lacks of calcium in vegetables of sheet or fruits, tubers, fruit trees of pip, and other cultures as tobacco, grapevine, sunflower.

It is possible to introduce of constant form in the tank where one finds the solution of the calcic nitrate, realizing the following proportion:

If we will contribute 200 kg of Nitrate of Calcium. We replace 100 kg of Nitrate of Calcium with 25L of QUELAFERT® SorbCa

You can use join with microelements, organic matter and acides amines. No mix with humic acids and pH alcaline products.



Quelafert Zinc-Manganeso-S CERTIFICADO POR SHOCK INSUMOS PARA AGY Ecológica

Corrector solid of Zinc and Manganese deficiencies

Corrector of zinc and manganese deficiencies, constituted by a solid mixing of the above mentioned microelements.

With **QUELAFERT®** Cinc-Manganeso-S will be corrected the deficiencies due to imbalances or deficiencies in the assimilation of the zinc and the manganese both in plantations of citrus fruits and fruit trees and in horticultural cultures.

It is a free product of nitrogen.

COMPOSITION

Zinc (Zn)	10,5% w/w
Manganese (Mn)	16,5% w/w

DOSES

Hydroponic	1,5 - 2,5 Kg/Ha
Fertirrigation	3 - 5 Kg/Ha
Spray	300 - 550 g/HI

- Foliar: 300-500 g / hl, make 2-4 applications during the crop cycle, according to needs and development.
- Citrus-application should be performed after the onset of the new shoots of spring and summer when the shoots reach 2/3 of its development.
- -Fruit, Olive and Vine, make applications throughout the development cycle culture, with enough leaf mass and / or early fattening of fruits.
- -Horticulture, Arable and Strawberry, during the first half of the life cycle or the appearance of deficiency symptoms
- In drip irrigation: Applications of 3-5 kg / ha, making 2-4 applications as development and crop requirements.

QUELAFERT® Cinc-Manganeso-S is compatible with most pesticides except alkaline reaction and oils. It is advisable to perform a test before mixing or seek technical advice.



Quelafert SHC Insumos para Agricultura Ecológica

Corrector liquid of Zinc and Manganese deficiencies

Liquid corrector of Zinc and Manganese complexed with polycarboxylic acids, especially developed for use as corrector deficiencies in these elements.

With **QUELAFERT**® **Cinc-Manganeso-L** is achieved the prevention and control of deficiencies caused by imbalances or deficiencies of assimilation of these elements in the plant.

The special formulation of **QUELAFERT®** Cinc-Manganeso-L offers the following advantages:

- Improved flowering and fruit quality
- Increases the weight and size of the fruits in the thickening stage.
- Anticipate the harvest
- Increase productivity

Applying **QUELAFERT**[®] **Cinc-Manganeso-L** can be made throughout the year, but mainly coinciding with the flowering stage of the crop and fattening.

COMPOSITION

Zinc (Zn) water soluble	7,00% w/w
Manganese (Mn) water soluble	4,00% w/w

QUELAFERT® Cinc-Manganeso-L is compatible with most fertilizers and pesticides except for mineral oils and the strong alkaline reaction.

DOSES

Spray:	
Cítrus	200 - 300cc / HI (2 - 3 ap.)
Horticoles	200 - 400cc / HI (2 - 3 ap.)
Fruit trees	200 - 600cc / HI (2 - 3 ap.)
Fertirrigation:	
Soft deficiencies	5 – 7L / ha (2 - 3 ap.)
Heavy deficiencies	6 – 8L / ha (2 - 3 ap.)

When there is a lack of iron accused shall be corrected previously. It is advised to apply early sprouting and when a greater vegetative growth.

In fruit red fruit coloration favors with two applications of 300 cc / HI (3L/Ha irrigation) spaced 20 days, two months after flowering.





BORON LIQUID CORRECTOR

Boron Liquid corrector, prepared to keep boron demands on crops. **QUELAFERT® BORO** can be applied both foliar spray and through fertigation.

Thanks to its formulation based on boron ethanolamine, has all the advantages of this complexing agent: adjuvant that facilitates the absorption of boron by leaves and its penetration into the plant.

The presence of ethanolamine in the formulation enhances the absorption coefficient of boron and provides rapid penetration of this trace element on the ground.

QUELAFERT® BORO has the following advantages:

- 1. Improved flowering, fertilization and fruit set.
- 2. Reinforces the quality and storage life of the fruit.
- 3. It stimulates the growth of meristems, the center of cell division.
- 4. Sugar improves performance by increasing the sucrose.

COMPOSITION

Boron (B) water soluble	15,00% w/v
Complexing agent	Ethalonamine
Density	1,25 g/cc
pН	9

With **QUELAFERT® BORO** the deficiencies are corrected in boron of the cultures: fruit trees, beet, grapevine, olive tree and vegetables.

There is recommended his application of a preventive way, before the symptoms of deficiencies appear.

DOSES

CULTIURES	SPRAY	FERTIRRIG.	APLIC.
Olive	250-500 cc/HI	5-8 L/Ha	1-2
Fruit trees	100-300 cc/HI	4-6 L/Ha	2-3
Horticoles	100-250 cc/HI	4-4 L/Ha	1-2





Stimulant of the flowering and fruit setting processes

Powder formulation based on potassium, magnesium, boron and molybdenum, which promotes flowering, fruit set and fruit fattening.

With **QUELAFERT® ECOCUAJE** prevented or corrected the deficiencies or imbalances in the assimilation of trace elements boron and molybdenum, which are essential for the plant in the process of flowering and fruit set.

COMPOSITION (p/p)

Boron (B) mineral	8,00%
Molybdenum mineral	4,00%
Magnesium (MgO)	16,00%
Potassium (K ₂ O) water soluble	5,50%
` '	

Apply at pre-flowering, fruit set and post fattening fruit.

QUELAFERT® **ECOCUAJE** can be applied in vegetable crops (tomato, zucchini, beans, eggplant, pepper, cucumber, watermelon, melon, etc. ..), ornamental and fruit.

Fertirrigation	2 3 kg/Ha (2-3 app.)
Foliar app.	200- 350 g/HI

Dosage Foliar:

- Cucurbits and horticultural: 200-350 g / hl making a total of 2-3 applications; preflowering starting before the appearance of the first floral bouquet to fruit set, repeating every 12-15 days applications.
- Ornamental: 150-200 g / hl, apply flowering to induce flowering and prevent abscission of flower buds.
- Citrus, fruit, olive and vine: 200-300 g / hl. In citrus fruit to improve fruit set and fruit development in flowering apply, petal fall, the end of the set and fattening. In olive applied before flowering and during fruit enlargement. In vid make applications before flowering.

Dose in fertigation:

- Cucurbits and Vegetables: 2-3 kg $\!\!\!/$ ha with irrigation from beginning to end of flowering fruit set with an interval of 12-15 days.
- Ornamental: 1.5 to 2.5 kg / ha with irrigation to induce flowering and prevent abscission of flower buds.
- Citrus, fruit, olive and vine: 2-3 Kg $\!\!/$ Ha starting applications before flowering.



FOLIAR FERTILIZER

FOLIARES-L

Quelafert POTASIK ECO



LIQUID FOLIAR FERTILIZER

QUELAFERT® POTASIK ECO es un abono de elevada riqueza en potasio con un pH equilibrado, es un producto muy recomendado para mejorar la maduración del fruto en frutales, hortícolas, vid, ornamentales y vid.

El potasio interviene en los mecanismos de regulación hídrica de la planta y en la formación de proteínas, siendo el responsable, a su vez, de la síntesis de hidratos de carbono como el almidón y la celulosa. Actúa como activador en los procesos de respiración celular y forma parte de la activación de muchas enzimas que participan en los procesos metabólicos. Así mismo, regula el transporte de los productos resultantes de la fotosíntesis por el floema y su distribución a los órganos, potencia la resistencia a la sequía, heladas y enfermedades criptogámicas, aumenta la resistencia mecánica de los tallos, potencia el sistema radicular y participa en el engorde y maduración de frutos.

CONTENIDO DECLARADO

DOSIS RECOMENDADAS

CULTIVO	FOLIAR	RIEGO
Olivo	5 - 15 cc/l	15-20L/Ha
Frutales	1 - 2 cc/l	60-100cc/pie
Hortalizas	1 - 2 ccl	2-5L/Ha

Instrucciones específicas de uso:

QUELAFERT® POTASA se puede aplicar en cultivos hortícolas (tomate, calabacín, judía, berenjena, pimiento, pepino, sandía, melón, etc...), y frutales (en cítricos no sobrepasar la dosis de 2cc/L y nunca aplicar pasado el cambio de color)

Se recomienda su uso en primavera y otoño, en las fases de engorde y maduración o formación de órganos de reserva.

No mezclar con aceites o con productos de fuerte reacción ácida. Evite las mezclas con amoníaco anhidro y nitrato de calcio. Si se aplica conjuntamente con correctores de calcio hacer una prueba previa.

Utilícese solamente en caso de reconocida necesidad.

No sobrepasar las dosis recomendadas.



AMINO ACIDS AND BIO STIMULANTS

QUELAMIN-24

VITALIM FORTE

QUELAFERT® AMINO-60

QUELAFERT® QUELGREEN

Quelamín 24



AMINO ACIDS

QUELAMIN24 is a plant amino acid of low molecular weight hydrolyzed easily absorbed by the plant tissue.

QUELAMIN24 is especially recommended in the following cases:

- 1) Increase the yield and quality of crops: applied during growth, flowering, fruit thickening, resulting in crop earliness.
- 2) Solution anti stress in unfavorable weather conditions.
- 3) invigorating and stimulating effect on the critical crop
- 4) Immediate response to foliar application, thanks to the low molecular weight of the amino acids, the uptake and transport in the plant is fast and efficient.

Aminogram presents a complete and balanced amino acid: glutamic acid, glycine, alanine and arginine.

COMPOSITION	(w/w)	(w/v)
Total amino acids	20,00%	24,00%
Free amino acids	11,00%	13,20%
Total Organic Matter (T.O.M)	59,00%	70,80%
Total Nitrogen	3,00%	3,60%
Nitrogen organic	2,50%	3,00%
Iron (Fe)	375 ppm	
Cupper (Cu)	13 ppm	
Manganese (Mn)	175 ppm	
Zinc (Zn)	35 ppm	
Boron (B)	32 ppm	
Density	1,2 g/cc	
pH(1/10)	7,4	

DOSES

Fertirrigation	4 - 8 L/Ha
Foliar	200 - 400 cc/HI

QUELAMIN24 be applied in the most critical times of plant development: post-transplant, growth, flowering, fruit set and fruit development. Just as adverse crop conditions, either by environmental conditions (hot or cold shock, water stress or salt), attacks of pests or diseases, nutritional deficiencies, etc., being essential to achieve recovery of the plant.

QUELAMIN24 can be applied to all crops: vegetables, fruit, grapes, olives, strawberries, ornamentals and lawns. Product compatible with pesticides and foliar fertilizers except mineral, organo-copper products and copper, sulfur or highly alkaline product, except olive tree whose mixtures with copper are favorable and permitted due to the nature of their leaves coriaceous. Do not apply in plum.



Vitalim Forte



ENZYMATIC BOOSTER

VITALIM FORTE is an organic biostimulant based on low molecular weight hydrolyzed amino acids, polysaccharides and microelements. It has a high content of humic extracts and organic matter, stimulating the crop at critical moments of growth (rooting, sprouting, flowering (horticulture) or fruit fattening), or when there are stress situations due to agronomic or environmental conditions.

COMPOSITION p/p

Free aminoacids	13,0%
Organic Matter	60%
Total Nitrogen	8,0%
Organic Nitrogen	4,0%
Phosphorous (P2O5) water soluble	0,6%
Potassium (K2O) water soluble	2,1%
Humic Extract Total	25%
Iron(Fe) water soluble	360ppm
Magnesium (MgO) water soluble	70 ppm
Calcium (CaO) water soluble	30 ppm
Zinc (Zn) water soluble	50 ppm
Manganese (Mn) water soluble	35 ppm

Apply throughout the crop cycle, both in horticultural and fruit crops, with a number of applications depending on the environmental and phenological conditions of the crop. The highest doses will be applied with more developed or larger crops.

In fruit trees especially should be applied budbreak, lethargy output, prefloración and once the set.

DOSES

Fertirrigation	5 - 10 L/Ha
Foliar	300 - 500 cc/HI



Quelafert AMINO-60



AMINO ACIDS

QUELAFERT® AMINO60 is a liquid product of amino acids and short chain peptides, from natural proteins and organic nitrogen. It presents a high contained in organic matter.

QUELAFERT® AMINO60 helps to the plant before situations of stress (drought, extreme temperatures, diseases...) and he is stimulant fruit setting processes and development of the fruits

COMPOSITION (w/w)

Amino acids	12,00%
Total Organic Matter	60,00%
Nitrogen total	6,80%
Organic Nitrogen	4,10%
Density	1,2 g/cc
pH	6,8

QUELAFERT® AMINO60 be applied in the most critical times of plant development: post-transplant, growth, flowering, fruit set and fruit development. Just as adverse crop conditions, either by environmental conditions (hot or cold shock, water stress or salt), attacks of pests or diseases, nutritional deficiencies, etc., being essential to achieve recovery of the plant.

DOSES

Fertirrigation	2 - 5 L/Ha
Foliar	100 - 200 cc/HI

QUELAFERT® AMINO60 can be applied to all crops: vegetables, fruit, grapes, olives, strawberries, ornamentals and lawns. Product compatible with pesticides and foliar fertilizers except mineral, organo-copper products and copper, sulfur or highly alkaline product, except olive tree whose mixtures with copper are favorable and permitted due to the nature of their leaves coriaceous. Do not apply in plum.





SEAWEED EXTRACT

Natural bio activator of the plant growth and development. It is made from natural extracts of seaweeds (Aschophyllum nodosum) rich of natural hormones (auxins, gibberellins and cytokinins), macro and micronutrients.

COMPOSITION (w/v)

Seaweed extract	25.00%
Total Nitrogen (N)	0.20%
Phosphorus (P2O5)	0.40%
Potassium (K ₂ O)	4.00%
Calcium (Ca)	0.06%
Sulphur (S)	1.00%
Magnesum (Mg)	0.06%
Boron (B)	20 ppm
Copper (Cu)	2 ppm
Iron (Fe) soluble en agua	100 ppm
Manganeso (Mn) soluble en agua	2 ppm
Cinc (Zn) soluble en agua	15 ppm

QUELAGREEN is recommended in cultures in which it is desired to accelerate growth and increase production, quality, consistency and color of the fruits.

FOLIAR	FERTIRRIGATION
150-300 cc/HI	2-5 L/Ha

Citrus, fruit trees and olive: 200-300 cc / hl every 2 weeks, starting applications at the beginning of spring sprouting, flowering, fruit set and early stages of fruit development.

Vineyard: 200-250 cc/hl every 15 days, in pre-and post-curdling.

Horticultural Crops of fruit: 150-300 cc / hl every 15 days when the crop has 2-4 leaves or transplant when it is rooted, flowering, fruit set and fruit development.

Horticultural Crops leaves: 200-400 cc / hl every 15 days, when the crop has 2 to 4 leaves or transplant when it is rooted.

Horticultural Crops bulbs, roots and tubers: $150-300\ cc$ / hl, when you have 2-4 leaves and 2-3 applications every two weeks.

Fertigation: 3.10 L / ha crop development by repeating the application every 10-14 days to maintain a prolonged response in culture.

For stimulation fruit setting: 2-3 applications, 3-5 L / Ha, before and after flowering, or apply a lower dose accompanied by **QUELGREEN**

 $\textbf{QUELGREEN} \ is \ compatible \ with \ pesticides \ and \ foliar \ fertilizers \ except \ mineral \ oils.$

