



Nature

Advanced fertilizers

SA

Innovation in plant nutrition

product catalogue

www.naturefert.com

Nature SA

In Nature SA, our main objective, is designing, formulating and manufacturing a complete range of specialty fertilizers and biostimulants for foliar application and drip irrigation.

Research, innovation and modern production technology, are used to bring to the market, products of the highest quality giving profitable solutions to every plant nutrition item. Furthermore, after sales technical advice is offered on a continuous manner, ensuring the successful use of all products, customer's confidence and satisfaction.

Nature SA operates a fully equipped powerful quality control laboratory, which provides constant monitoring of incoming raw materials and final products, as well as agrochemical services in soil and plant tissue analysis.

The company is continuously widening its presence in Greece, while strengthening its position in the vast international fertilizer market, exporting its products within Europe, Northern Africa and the Middle East.

Complying with its aim to give an answer to demands of the market, Nature SA constantly presents new products based on latest scientific results on plant nutrition.



Contents

Trace elements in Chelate form

Chelan Super	6
Chelan B	6
Chelan Zn	7
Chelan B/Zn	7
Chelan Zincophos	8
Chelan Mo	8

Iron (Fe) Products

Chelan Fe	9
Amino Fe	9
Micro Care Fe	10
Power Fe (EDDHA)	10
Perfect Fe/Mn	11
Ferran	11

Trace elements in water soluble powder form

Microcare range	12
Bozin	13
Cabozin	13

Trace elements in complex form with Fulvic acids

Fulvate Fe	14
Fulvate Zn	14
Fulvate Microfull	14

Calcium and Magnesium based Products

Chelan Ca	15
Chelan Mg	15
Liquid Ca/Mg	16
Profical+Mg	16
Chelan CaP	17
CalcoPhos	17
Calcio N Super	18
Caltonic	18
Mix Nitro	19
MagNitro	19
CalcoNitro	19
Cabor	20

Biostimulants

AA+Vit	21
Pro Grow B	21
AA40	22
Kinalgin	22
Algiton	23
Algi 100	23
Pro Sugar	24
Rhizoactive	24
Amino Bt	25
Humus S	25
Energy	26
Soil Energy	26
Vitaly	27
Action Vit	27
Chelan K	28
Poly PK	28
Q-60	29
Q-Tobacco	29
Power Organic	30
Organica	30

Biostimulants

Force	31
Promoter	31
Bud Storage	32
Bud 14AC	33
Bud 14b	33
Fulvit	34

Specific Biostimulants

Chelan Cu	35
Copper G8	35
F-Away	36
F-Away Cu	36
F-Away Zn	37
F-Away Ca	37
Slene K	38
Slie Plus	38
Chelan Ks	39
Neosol	39
Bioka	40
3S	40

Liquid NPK Fertilizers

32-0-0	41
Nitro Step By Step	41
HyperPhos (5-70-0)	42
Nature's KS(0-0-30)	42
Brilliand K32	43
Basic 12-4-6	44
Basic 7-7-7	44
Basic 5-8-10	44
HD 21-21-21	45
HD 26-6-6	45
9-18-9	46
3-18-18	46
13-13-13	46
18-18-18	46

Water Soluble Fertilizers

Chelan Sol	47
Chelan Sol Plus	48
Professional	49

Specialty Products

Correct pH	50
Minor pH Salt	50
Antiscal	51
Antisal	51
Antifrost	52

Organic Fertilizers

Green range products	52
----------------------	----

Fertilization Programmes

Vineyard	54
Olive	56
Tomato	58
Pepper-Egg Plant	60
Peach-Apricot	62
Cherry	64
Apple-Pear	66
Melon-Watermelon	68
Kiwi	70

Trace elements in chelate form

Chelan Super



Chelan Super is a liquid fertilizer, rich in nitrogen, potassium, magnesium and assimilable trace elements (Fe, Mn, Zn, Cu, Mo). The balanced proportion of these nutrients renders this product an essential supplement of soil fertilization and also, a powerful tool for correction of complicated deficiencies. Moreover, **Chelan Super** strengthens growth and production. Its special method of production ensures a very high concentration of macro and trace elements in stable form. **Chelan Super** also contains bioactive factors, vitamins, proteins, amino-acids and carbohydrates that accelerate its activity. Apart from these, it contains regulating factors, which guarantee an ideal pH in spraying solutions.

ANALYSIS %	W/V	W/W
Nitrogen N	8,1	6
Nitrate N	3	2,2
Ureic N	5,1	3,8
Potassium K ₂ O	8,1	6
Magnesium MgO	2,7	2
Copper Cu*	0,5	0,4
Iron Fe*	2,4	1,8
Manganese Mn*	0,9	0,7
Boron B	0,5	0,4
Zinc Zn*	1,9	1,4
Sulphur S	3	2,2
Molybdaimum Mo	0,0013	0,001
*EDTA form		
Hydrolyzed plant protein (amino acids, peptides), Yeast extracts		
Seaweed extracts	3,3	2,5

Chelan Boron

Chelan Boron is a specialized product, designed for crops with high necessities in boron, such as sugar beets, vineyards, olives, cauliflower etc. or for certain stages of some crops where high quantities of Boron are required.

Chelan Boron has a high concentration of boron in assimilable and absorbable form, so it is very effective in cases of boron deficiencies.

Boron has a prominent role in flowering, fruit setting, cell division and translocation of natural hormones, such as auxin, into the plants.

ANALYSIS %	W/W	W/V
Boron B	8	10

boron ethanolamine



Chelan Zinc



ANALYSIS %	W/W	W/V
Zinc Zn EDTA form	5	6,5

Chelan Zn is a liquid fertilizer of zinc in assimilable EDTA form. It aims in the prevention and confrontation of problems that result from the deficiency of this element. The chelate (EDTA) form, renders **Chelan Zn** particularly effective and reliable in difficult cases of zinc deficiency.

Zinc plays an important role in flowers fertilization, proper growth of shoots and leafage, as well as increasing fruit size.

Chelan B/Zn

Chelan Zn / B is a liquid fertilizer of organic boron and chelated (EDTA) zinc. **Boron** and **Zinc** are two essential elements for flowering and better pollination. **Zinc** plays an important role in fertilization, proper growth of shoots and leafage, as well as increasing fruits size. **Boron**, apart from its role in pollination, is an essential element for certain crops, due to its capability to move natural hormones to various parts of the plant.

Moreover, it prevents appearances of abnormalities such as 'black spot and corky tissues' in apples, 'grapes falling' in vines, 'black heart' in cauliflower, etc.). The special composition of this product allows the simultaneous presence of these two components in high concentrations in assimilable form.

ANALYSIS %	W/W	W/V
Boron B	1,6	2
Zinc Zn*	2,4	3

*EDTA form



Trace elements in chelate form

Chelan Zincophos



ANALYSIS %	W/W	W/V
Nitrogen N	2,5	3
Ammoniacal N	2,5	3
Phosphorus P ₂ O ₅	13,5	17
Zinc Zn	4,0	5

Zincophos is a liquid fertilizer rich in assimilable phosphorus and zinc. Phosphorus participates in the creation of pits, prematurity of production and increases the post harvest storage life of the fruits. Zinc plays a decisive role in pollination as much as in the synthesis of auxins, the natural biostimulant that participates in the growth of shoots and fruits. Zincophos has been designed for both foliar applications and fertigrations.

Chelan Moly

Chelan Moly is a liquid fertilizer of Molybdenum, exclusively planned for crops with increased necessities of this element (watermelon, melon, carrot, cauliflower, onion and garlic).

Molybdenum possesses an important role in the engagement and utilization of atmospheric nitrogen, which in turn is absorbed from the plants.

In cases where molybdenum deficiency symptoms occur in plants, it is similar to those with a lack of nitrogen

ANALYSIS %	W/W
Molybdenum Mo	4

Water soluble Molybdenum 100%



Specific products for iron nutrient deficiencies

Chelan Iron



ANALYSIS %	W/W	W/V
Chelate Iron Fe EDTA	4,8	6,5

Chelan Fe is a rich source of assimilable iron, an element with a prominent role in the process of photosynthesis and subsequently in total production and qualitative characteristics. It is completely available and absorbed by the leaf

surface because of its specific method of production and the stable chelate agent (EDTA) which ensures the protection of iron ions from possible oxidation and inactivation.

Moreover, it contains substances that ease the absorption through the surface cells of the leaves and the utilization of iron (Fe) as well.

Amino Fe

Amino Fe is a rich source of assimilative iron in chelate form with appropriate chosen amino acids, in order to ameliorate the absorption through the epidermal cells of the leaves by foliar applications.

The presence of selected amino acids, which are normally found in all plants, eases the absorption of the fertilizer and helps plants to overcome iron deficiency, thus avoiding problems such as photosynthesis reduction and chlorosis. The chelate form gives to this fertilizer the desirable stability in alkaline soils and therefore, it becomes applicable through irrigation systems.

ANALYSIS %	W/W	W/V
Nitrogen N	6	4,6
Iron Fe	5	3,8
Organic matter	12,5	9,6

(amino acids, peptides)



Specific products for iron nutrient deficiencies

Micro Care Fe



ANALYSIS %	W/W
Iron Fe	13
EDTA form	

Microcare Fe is water soluble fertilizer of iron in chelate (EDTA) form. This form makes it practicable either by foliar applications or through the irrigation water (fertigations). It is highly absorbable and compatible with other agrochemicals. Micro care Fe could be applied to all crops as a powerful means to confront Fe deficiencies.

BIO

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Power Fe **Fe [EDDHA]**

Power Fe is a rich source of assimilable iron (Fe) in chelate (EDDHA) form. Iron is an element with prominent role in the process of photosynthesis and subsequently in total production and qualitative characteristics. **Power Fe** is recommended for soil application for the treatment of iron deficiency in crops growing in adversely alkaline and calcareous soil.

ANALYSIS %	W/W
Iron Fe	6

(chelate iron (Fe) EDDHA)
ortho-ortho EDDHA 4,8%



Perfect Fe-Mn



ANALYSIS %	W/W	W/V
Iron Fe	4,6	6
Manganese Mn EDTA form	1,5	2

Perfect Fe-Mn is a rich source of assimilable iron and manganese in complete chelate (EDTA) form. Iron contributes to the process of photosynthesis and as such, increases the total production, improves the qualitative characteristics, while the role of manganese is to regulate a series of enzymic reactions and the availability of iron into the plants. The deficiency of these elements is often an intense problem in calcareous soils with alkaline pH or in very acidic and light-sandy soils, which are poor in organic substances.

Feran

Iron is an element with prominent role in the process of photosynthesis and subsequently in total production and qualitative characteristics. Iron deficiencies cause chlorosis and all plant activities are eliminated.

Feran is a rich source of assimilable iron (Fe) in chelate (DTPA) form, very effective in prevention or treatment of chlorosis.

The presence of chelate agent (DTPA) ensures the protection of iron ions from possible oxidation and inactivation in a moderate pH range.

Feran is ideal also for hydroponics.

ANALYSIS %	W/W
Iron Fe	6

(Iron (Fe) DTPA - chelate form)
(100% chelate form)



Trace elements in water soluble powder form

Micro Care

Chelated (EDTA) trace elements and meso elements for foliar and soil applications in water soluble powder form



ANALYSIS %	Fe	Zn	Mn	Cu	CaO	MgO
Microcare Fe	13					
Microcare Zn		15				
Microcare Mn			14			
Microcare Cu				14		
Microcare Mix	6	3	3	2		
Microcare Ca					10	
Microcare Mg						10

BIO

BIO

BIO

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The **Microcare** series consists of EDTA chelated trace-elements (Fe, Zn, Mn, Cu) and meso-elements (Ca, Mg), in the form of water soluble powder.

All products of this range are completely water soluble, assimilable, and easily compatible with other water soluble or liquid fertilizers and are suitable for both foliar sprays and fertigation.

The Microcare range can be applied to all crops as a powerful tool for correction of individual or combined deficiencies, thus enhancing vegetative growth, pollination and fruiting, as well as improving the quality characteristics of the vegetables.



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BoZin



ANALYSIS %	W/W
Boron B	15
Zinc Zn*	3

*EDTA form

Bozin contains Boron (B) and Zinc (Zn) in partial chelated (EDTA) form. **Bozin** is formulated with nutrient sources that encourage rapid absorption, assimilation and crop safety. It's special formulation, guarantees healthy flower formation and improvement of pollination and fertilization as well. **Bozin** improves root development and crop emergence and provides auxin (growth hormone) synthesis.

CaBoZin

CaBoZin is a fertilizer consisting of calcium, boron and zinc, enriched with organic substances which guarantee the stability of the above trace elements in the spraying solution. This specific composition secures both high assimilation rate and plants fast response.

The high conciseness of calcium and its synergism with boron and zinc makes this fertilizer a powerful tool for rooting, fruit setting and prevention of Calcium, Boron and Zinc deficiencies.

ANALYSIS %	W/W
Calcium CaO	12
Boron B	2,5
Zinc Zn*	2,5
Organic matter	59,6

*EDTA form



Trace elements in complex form with Fulvic acids

Fulvate Fe



Fulvate Fe is a specialized iron fertilizer enriched with organic substances. Iron contributes to the process of photosynthesis and as such, it increases the total production and improves the qualitative characteristics.

Iron deficiencies appear in strongly calcareous soils with alkaline pH, very acidic and slightly sandy soils which are poor in organic matter.

Fulvate Fe prevents iron deficiencies when applied properly either by spraying or through irrigation system

Fulvate Zn

Fulvate Zn is a specialized zinc fertilizer enriched with organic substances.

Fulvate Zn aims in the prevention and confrontation of problems that result from the deficiency of this element.

Zinc plays an important role in flowers fertilization, proper growth of shoots and leafage, as well as increasing fruits size.

Fulvate Microfull

Fulvate Microfull is a liquid fertilizer, enriched with organic substances, rich in magnesium and assimilable elements (iron, manganese, zinc, copper, boron and molybdenum).

The balanced proportion of these nutrients renders this product an essential supplement of soil fertilization and also, a tool for prevention and correction of complicated deficiencies.



Calcium and Magnesium based products

Chelan Ca



ANALYSIS %	W/W	W/V
Nitrogen N	8,5	12
Nitrate N	8,5	12
Calcium CaO*	15	21
Magnesium MgO	2	2,8
Copper Cu**	0,01	0,014
Iron Fe**	0,01	0,014
Manganese Mn**	0,01	0,014
Zinc Zn**	0,01	0,014
Molybdainum Mo	0,001	0,0014
Organic matter	2	2,8

* 1% CaO (W/W) in chelate EDTA form

** chelate - EDTA form

Chelan Ca is in an extremely rich in assimilable calcium preparation which also contains nitrogen, magnesium and trace elements in chelate form. Additionally it contains bioactive plant and yeast extracts in order to increase effectiveness and quick response. Calcium has a multiple role in plants, as it provides plants growth, cells division and elongation, root tips formation and cells wall stability. Significant, is also the impact of calcium in the prolongation of the post harvest storage life and the protection it presents against abnormalities due to calcium deficiency (eg. 'bitter pit' at apples, 'end rot' in tomatoes, peppers, etc.). Chelan Ca suitable for all crops and can be applied either by foliar sprayings or fertigation.

Chelan Mg

Chelan Mg contains Nitrogen, Magnesium and microelements in (EDTA) chelate form. Additionally it contains bioactive plant and yeast extracts in order to increase absorption, movement and utilization of nutrients within the plant. It is suitable for all crops and can be applied either by foliar sprayings or fertigation. Magnesium has a leading role in plant nutrition, as it participates in the process of photosynthesis and improvement of qualitative characteristics.

ANALYSIS %	W/W	W/V
Nitrogen N	8	11,2
Nitrate N	7	9,8
Ureic N	1	1,4
Magnesium MgO*	9	12,5
Iron Fe**	0,01	0,014
Manganese Mn**	0,01	0,014
Zinc Zn**	0,01	0,014
Copper Cu**	0,02	0,003
Molybdainum Mo	0,001	0,0014
Organic matter	2	2,8

* 0.5% MgO (W/W) in chelate EDTA form.

** chelate EDTA form.



Calcium and Magnesium based products

Liquid Ca/Mg



ANALYSIS %	W/W
Nitrogen N	2
Nitrate N	2
Calcium CaO	11
Magnesium MgO	1,5

Liquid Ca/Mg, is a fertilizer suitable for all crops, designed mainly for fertigation and foliar applications. Calcium is an essential element for the growth of the root system, cells' division and elongation, stability of cellular walls, prevents from abnormalities, and regulation of potassium and magnesium's absorption.

Magnesium plays an important role in the regulation of photosynthesis and the achievement of desirable qualitative characteristics (sugars synthesis, coloring etc.). Moreover, **Liquid Ca/Mg**, has the advantage that it can be applied in late farming stages, because it contains a small amount of nitrogen and thus, undesirable ripening delay is avoided

ProfiCal^{+Mg}

ProfiCal^{+Mg}, is a Calcium-Magnesium fertilizer in chelate form with special selected amino-acids. These bioactive factors increase the absorption of calcium and magnesium by penetration of cuticular membranes and uptake by living cells within the leaf. Additionally, included organic factors increase the translocation of the absorbed nutrient. The natural biostimulants that contained in **ProfiCal^{+Mg}**,

strengthen the root system, provide the cells' division and fruits' growth and improve their qualitative characteristics as well. Calcium, increases the post harvest storage life and prevents from abnormalities such as 'end rot' on tomatoes, peppers and cucumbers and 'bitter pit' in apples. Magnesium supports the photosynthesis capability and also participates in the improvement of qualitative characteristics.

ANALYSIS %	W/W	W/V
Calcium CaO	12	17
Magnesium MgO	3,5	5
Organic matter	10	7

Hydrolized plant protein



Chelan CaP



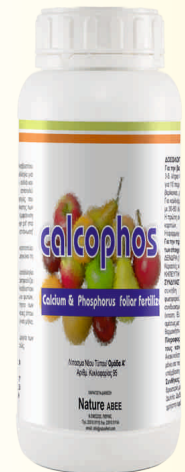
ANALYSIS %	W/W	W/V
Phosphorus P ₂ O ₅	6	7,8
Calcium CaO	14	18
Boron B	0,2	0,26
Zinc Zn	0,2	0,26

Chelan CaP is a specialized liquid Calcium & Phosphorus fertilizer, designed for foliar applications on fruit trees and vegetables. Its specific composition contributes in avoidance and correction of nutrient deficiencies, while simultaneously secures the improvement of qualitative characteristics of fruits and the prolongation of post harvest storage life.

Calco Phos

CalcoPhos is a liquid fertilizer of phosphorus and calcium, suitable for those crops where coloring is considered as an essential qualitative characteristic (red apple varieties, table peaches, tomatoes, strawberries etc.) **CalcoPhos** enriches the synthesis of the pigments, which normally give coloring to fruits. Furthermore, it provides post harvest conservation over a longer period.

ANALYSIS %	W/W	W/V
Nitrogen N	3	4
Nitrate N	1	1,3
Ammoniacal N	2	2,7
Phosphorus P ₂ O ₅	22	30
Calcium CaO	5,2	7



Calcium and Magnesium based products

Calcio N Super



ANALYSIS %	W/W	W/V
Nitrogen N	9	12
Ureic N	9	12
Calcium CaO	9	12
Boron B	0,1	0,13
Zinc Zn	0,1	0,13
Organic matter	4	5

organic plant extracts

Calcio N Super is a fertilizer consisting of amidic nitrogen and calcium, enriched with boron, zinc and organic plant extracts. Its specific composition provides nitrogen controllably, in order to avoid problems derived from competition between nitrogen and calcium. Calcium is an essential element in protecting from 'end rot' while simultaneously, helps in root tips formation and shoots elongation. Boron and zinc have main roles in flowers formation, pollination and fertilization of flowers and fruits growth as well.

Cal Tonic

Cal Tonic is an organic fertilizer for fertigation, rich in assimilative and absorbable calcium. It is suitable for all crops, at all stages of growth. Rich (32%) in organic substances (aminoacids, proteins, betains, mono-,oligo- and polysaccharites, enzymes, vitamins) and trace elements as well, helps confronting unfavorable growth conditions, improves cells division, root tips formation and absorption of potassium and magnesium as well.

ANALYSIS %	W/W	W/V
Nitrogen N	5	6,6
Ureic N	5	6,6
Calcium CaO	4	5,3
Organic matter	24	32

Polysaccharides, oligosaccharides, (amino acids, peptides, other non nitrogen organic matter, vitamins)



Mix Nitro

ANALYSIS %	W/W	W/V
Nitrogen N	6,5	9
Nitrate N	6,5	9
Magnesium MgO	4,6	6,5
Calcium CaO	7,1	10

Mix Nitro is a liquid fertilizer of calcium - and magnesium nitrate, suitable for foliar sprayings or fertigation to all crops with high necessities in these elements. Calcium is an element essential for the elongation of the root tips, cells division, enlargement and prevention of certain natural abnormalities. Magnesium has an important role in the regulation of photosynthesis and contributes to the improvement of qualitative characteristics of products (sugars content, colour, aroma etc).

Mag Nitro

ANALYSIS %	W/W	W/V	Mag Nitro (liquid Magnesium nitrate)
Nitrogen N	6,7	9	is a dense fertilizer, comprising of magnesium, which is suitable for crops with high necessities in the element (tomato, pepper, watermelon, etc). Magnesium has a prominent role in the process of photosynthesis and further it constitutes a structural element of the chlorophyll molecule, while at the same time it contributes to the improvement of qualitative characteristics of the fruits.
Nitrate N	6,7	9	
Magnesium MgO	9,6	13	



ANALYSIS %	W/W	W/V
Nitrogen N	6,2	9
Nitrate N	6,2	9
Calcium CaO	15,2	22

Calco Nitro

Calco Nitro (liquid calcium nitrate) is a dense liquid calcium fertilizer, suitable for all crops with high necessities in this element (e.g. tomato, pepper, water melon etc.). Calcium has a multiple role in plants and fruits growth, cells division and elongation, new root tips formation and cell wall stabilization as well. Furthermore, it prolongs post harvest conservation and protects from abnormalities, such as "end rot" in tomato, pepper, water melon etc.

Calcium and Magnesium base products

CaBor

ANALYSIS %	W/W	W/V
Calcium (CaO)	7,8	11
Boron (B)	2,8	4

A concentrated liquid Calcium – Boron formulation, combining highly stabilized nutrients and enhanced assimilation.

CaBor is designed primarily for foliar application on plants to prevent or correct nutrient deficiencies that may limit crop growth and yields. Due to the advanced formulation **CaBor** can be effectively absorbed by the plant also by the root system.

CaBor: Improves hardness and strength of stem, tissues and fruits (Calcium).
Increases plant resistance against stress resulting from unfavourable environmental conditions.
Increases the pollination as a result of the combined action of Calcium and Boron.
Increases fruit set and fruit size.
Increases the content of sugars in fruit (Boron).



AA+Vit



ANALYSIS %	W/W
Potassium K ₂ O	30
Organic matter	37,5

amino acids, oligopeptides,
yeast extracts
rich in vitamin B

AA+Vit is a water soluble product, based on amino acids, peptides, yeast extract rich in vitamins. **AA+Vit** contains moreover significant amount of Potassium. It is a proper product for the improvement of the qualitative characteristics of agricultural products (colour, size, aroma, firmness, sugar levels, etc), suitable for all crops. Furthermore, it increases the tolerance of plants against unfavourable climatic and environmental conditions, prolongation of post harvest conservation period and also enhances the absorption and utilization of other fertilizers and agricultural products.

Pro Grow

Pro Grow is a water-soluble fertilizer consisting of potassium, calcium, magnesium and trace elements, enriched with organic substances.

The organic part consists of amino-acids, peptides and seaweed extracts rich in growth promoters. The proportion of inorganic substances renders Pro grow particularly effective during the first farming stages till harvest, as well as during periods where unfavorable environmental conditions prevail.

ANALYSIS %	W/W
Potassium K ₂ O	18
Magnesium MgO	0,2
Calcium CaO	0,2
Manganese Mn	1,5
Iron Fe	3
Boron B	0,02
Zinc Zn	1,5
Organic matter	12



Biostimulants

AA 40



ANALYSIS %	W/W
Organic matter	40
L- amino acids	

AA 40 is a dense liquid biostimulant of amino acids. AA40 is suitable for all crops for the improvement of the qualitative characteristics of agricultural products (colour, size, aroma, firmness, sugar levels, etc). Furthermore, **AA40** increases the tolerance of plants against unfavourable climatic and environmental conditions and prolongs the post harvest storage life of fruits.

AA40 is applicable either by foliar sprayings or by fertigation.



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Kinalgin

Kinalgin is a natural product, deriving from cold extraction of seaweed (*Ascophyllum Nodosum*). Due to this extraction method, it is particularly rich in plant growth hormones known as auxins and cytokinins, which helps the plant to overcome stress due to climatic changes and other situations. Plants under stress (disease, insects, frost, drought) can not produce sufficient amounts of growth hormones. **Kinalgin** contains naturally-occurring cytokinins that can protect plants from the effects of stress. The result is faster growth, healthier plants and higher yields. Moreover, **Kinalgin** activates the plant to effectively stimulate its metabolic function in relation to the creation of a rich root system, growth, blossoming as well as fruit ripening.

ANALYSIS %	W/W
Organic matter	17

Seaweed extract (*Ascophyllum Nodosum*), proteins of plant origin, Carbohydrates (mannitol, laminarin, algal acids, oligo- and poly-saccharides), vitamins, cytokinins, auxins.



Algiton



ΣΥΝΘΕΣΗ %	W/W	W/V
Nitrogen N	5	6
Phosphorus P ₂ O ₅	1	1,2
Potassium K ₂ O	1	1,2
Organic matter	8	9,6

seaweed extracts
(ascophyllum nodosum)

Algiton is a liquid extract of marine algae (*Ascophyllum nodosum*) enriched with inorganic plant nutrients. The seaweed extract includes amino acids, peptides, vitamins, natural hormones (cytokinins, IAA, ABA) and carbohydrates (mannose, mannitol, alginic acid) in high availability. As it is rich in these organic substances, Algiton helps to overcome unfavourable climatic and environmental conditions, pauses dormancy (strawberry), utilizes and transfers nutrients into the plants, increases cellular division and the ripening of production as well. It is applicable either by foliar sprayings or by fertigation.

Algi 100

Algi 100 is a natural product in solid form, derived from 100% seaweed extract (*Ascophyllum nod*).

Algi 100 is rich in nutrients which helps the plant to overcome stress due to climatic changes and other situations. Furthermore, it activates the plant to effectively stimulate its metabolic function in relation to the creation of a rich root system, growth, blossoming as well as fruit ripening.

ANALYSIS %	W/W
Nitrogen N organic	1
Potassium K ₂ O	13,5
Organic matter (seaweed)	54



Biostimulants

Pro Sugar



ANALYSIS %	W/W	W/V
Potassium K ₂ O	4,5	6
Magnesium MgO	0,7	1
Calcium CaO	8	11
Boron B	0,007	0,01
Zinc Zn	0,007	0,01
Molybdenum Mo	0,001	0,0013
Organic matter	18	25

Pro Sugar is a bio-stimulant with mono -, di - and poly - saccharides, enriched with uronic acids, potassium, calcium, magnesium, trace elements and activators. It is applied mainly foliar and results in the increment of sugars level, red and yellow pigments composition, cells durability, ripening of produce and finally, to the elongation of post harvest storage life.

Pro Sugar is suggested mainly for cultivations that require a high concentration of sugars such as grapes, watermelons, melons, sugar beets, etc.

Pro Sugar:

- ensures higher sugar concentration
- improves fruit colouration
- improves fruit consistency and conservation

Rhizoactive

Rhizoactive is a liquid blend of organic bioactive substances, specialized for root stimulation and formation. It contains in high proportions humic and fulvic acids, seaweed extracts (from *Ascophyllum nodosum*), coenzymes and vitamins, particular for root system development. Moreover, it contains cytokinines, ambcisic and indoloxic acid.

Rhizoactive is very effective just after transplantation, as it confronts transplantation shock, while simultaneously aids root system adjustment to its new environment.

Rhizoactive can also be used as a biostimulant during all cultivate stages. It is recommended after infections of soil by insects and funguses, in order to rejuvenate the root system. Furthermore,

Rhizoactive contributes to useful microflora growth, while combined with water soluble fertilizers and trace elements improves the absorption and utilization of the nutrients.

ANALYSIS %	W/W	W/V
Nitrogen N	5	6,5
Ureic N	5	6,5
Organic matter	30	39

Humic & Fulvic acids, organic matter from seaweed extracts (*ascophyllum nodosum*), yeast extracts.



Biostimulants

Amino BT



ANALYSIS %	W/W
Amino acids, betaine (L-tryptophan, proline)	7

Amino BT is an L-Tryptophan glycine and betaine based fertilizer solution, suitable for all cultivations in critical stages of their growth (rooting, fruit formation and enlargement, ripening) as well as when unsuitable environmental conditions prevail (heavy rainfall, flood, drought, salinity).

The special composition of this product, contributes to fruit enlargement (due to higher fruit cell proliferation) and early ripening as sugars level is increased. Furthermore, **Amino BT** increases also epidermic cells plasticity, thus preventing fruit's cracking especially in varieties and crops vulnerable in this disorder such as stone fruits (particularly cherry), when heavy rains prevail.

Humus-S

Humus-S is a dense (70%) biostimulant consists of humic and fulvic acids.

The humic and fulvic acids of this preparation stimulate the growth of plants and act as regulators of the soil, particularly in sandy and non porous (clay) soils.

In these types of soils, Humus-S improves the water capacity, the aeration and activation of micro-organisms at the region of the root system.

Moreover, it activates root system growth, increases absorption of nutritive elements. Furthermore, it acts in synergy with other fertilizers, thus intensifies its activity.

ANALYSIS %	W/W
Potassium K_2O (water soluble)	15
Humic & Fulvic acids	70



Biostimulants

Energy



ANALYSIS %	W/W
Organic matter	35

Humic & Fulvic acids,
plant extracts,
natural biostimulants

Energy is a Nitrogen liquid fertilizer rich in organic biostimulants (humic and fulvic acids, plant extracts rich in amino acids, peptides, vitamins, oligosaccharides and polysaccharides, betaines etc).

Energy maximizes and activate the microbial enhancement in the soil, while improves the N/C proportion. Moreover, eases the absorption and utilization of macroelements and trace elements, as the contained biostimulant agents act as chelate compounds.

Soil Energy

Soil Energy is a liquid biostimulant, consisting of a vegetal extract mixture, rich in mono-, oligo- and polysaccharides, bioactive agents (amino acids, peptides, organic acids, vitamins, folic acid, niacin) and enzymes.

Soil Energy's composition:

- Helps to the augmentation of useful soils micro-flora.
- Increases plants' tolerance against unsuitable environmental conditions.
- Improves nutrients absorption and translocation.
- Increases total production.
- Improves qualitative characteristics of the products.

Combined application of Soil energy with other liquid or water soluble fertilizers, maximizes nutrients absorption and utilization by the plants.

ANALYSIS %	W/W	W/W
Nitrogen N	2	2,6
Ureic N	2	2,6
Potassium K ₂ O	5	6,5
Organic matter	28	36

Polysaccharides, oligosaccharides,
amino acids, peptides, non-nitrogen
organic matter, vitamins.





Vitaly

ANALYSIS %	W/W
Nitrogen N	3,5
Organic N	0,7
Ureic N	2,8
Potassium K ₂ O	8,5
Iron Fe	0,02
Zinc Zn	0,02
Molybdainum Mo	0,001

(Fe) EDDHA
(Zn) EDTA

Vitaly is a special liquid growth biostimulant, which promotes and enhances plant growth by creating a favorable environment in the root zone of plants.

Vitaly increases the growth of the root system of plants, promotes fruit setting, increases the size and uniform maturation of the fruit and increases total yield.

Action Vit

Action Vit is a liquid organic fertilizer used to improve soil characteristics and it is suitable for all crops and all growing stages of the plant.

Action Vit is mainly applied for:

- Enhancement of nutrient absorption
- Yield increasing
- Improvement of qualitative characteristics of the products
- Development of a rich root system

ANALYSIS %	W/W
Potassium K ₂ O	4
Iron Fe EDDHA	0,5
Zinc Zn EDTA	0,1
Molybdainum Mo	0,001
Organic matter*	40

*Seaweed extracts and other plant extracts



Biostimulants

Chelan K



ANALYSIS %	W/W	W/V
Potassium K_2O	22	30
Organic matter	7,5	10

Amino acids, oligopeptides
Hydrolyzed plant protein

Chelan K is a liquid fertilizer rich in potassium, in complex form with amino acids. This form ensures the correction of potassium deficiency, due to its absorbability and assimilability. Moreover, **Chelan K** improves the qualitative characteristics such as coloration in tobacco, taste and aroma in fruits, sugars level, vitamins (B1, C) and carotene concentration.

Chelan K, decreases the undesirable oxalic acid, elongates the post harvest storage life, strengthens fruits durability, etc.

Poly PK is a liquid fertilizer rich in phosphorus and potassium, suitable for all crops and particularly for those which have high necessities in phosphorus and potassium or for certain stages of some crops, require high quantities of phosphorus and potassium. Poly PK is enriched with trace elements in complete chelate and assimilable form.

Poly PK improves fruit setting and qualitative characteristics such as taste and aroma in fruits, sugars level, vitamins and carotene concentration.

Moreover **Poly PK** elongates post harvest storage life and helps plants to overcome unfavourable climatic and environmental conditions.

Poly PK is applicable either by foliar sprayings or by fertigation.

Poly PK

ANALYSIS %	W/W	W/V
Phosphorus P_2O_5	15	19,5
Potassium K_2O	20	26
Iron Fe^*	0,5	0,7
Boron B	0,06	0,08
Manganese Mn^*	0,02	0,03
Zinc Zn^*	0,002	0,003
Copper Cu^*	0,0015	0,002
Organic matter	5	6,5

*EDTA form

Amino acids, peptides
Hydrolyzed plant protein



Q-60



ANALYSIS %	W/W
Potassium K ₂ O	60
Organic matter	6

Q-60 is a water soluble potassium fertilizer, enriched with amino-acids. This form ensures high availability, as it acts very rapidly and directly to the problems that occur in plants due to deficiency of Potassium.

Besides **Q-60** improves qualitative characteristics such as the flavour and aroma of fruits, the sugar levels, vitamins B1, C and carotene. It reduces undesirable oxalic acid and elongates the self life of products. It is also applied with success for the improvement of colour in tobacco. **Q-60** is advised particularly for foliar applications where the absorption of Potassium from the leaf is achieved fast and effectively
The applications on the ground are recommended in cases of neutral or acidic soil conditions.

Q-Tobacco

Q-Tobacco is a specialized product, rich in assimilable potassium with high bioavailability. It acts immediately and achieves the improvement of quality characteristics of tobacco. By applying **Q-Tobacco** the appropriate color is achieved for an excellent quality tobacco.

ANALYSIS %	W/W
Potassium K ₂ O (fully water soluble)	60



Biostimulants

Power Organic



ANALYSIS %	W/W
Organic matter	45

Power organic is a biotechnological product which is prepared by microbial fermentation of plant origin organic matter. The microbial fermentation breaks large organic components to organic acids, peptides and other organic compounds of low molecular weight that are rapidly assimilated and help save energy by plants during the growth and development of fruits. Moreover **Power Organic** helps plants to overcome unfavourable climatic and environmental conditions.

Power Organic enriches the soil with high rates of organic substances, aiming in the increase of beneficial micro-organisms population. This increased number of beneficial micro-organisms makes plants more resistant to diseases ensuring higher yields and better quality products.

Organic-A

Organic-A is a liquid formulation of hydrolyzed protein of plant origin, rich in amino acids, micropeptides and water soluble low molecular weight protein, enriched with organic bioactive factors (coenzymes, selected vitamins etc.).

Organic-A can be applied either by foliar sprayings or fertigation.

Organic-A:

- Improves N/C relation
- Increases the total amount of soil's beneficial micro-organisms population
- Increases the total produce and improves the qualitative characteristics.
- Improves nutrients absorption and translocation. Increases plants' tolerance against unsuitable environmental conditions

ANALYSIS %	W/W
plant l-amino acids, water-soluble peptides of plant origin.	15



Force



ANALYSIS %	W/W
Organic matter (Amino acids)	20

Force is a liquid biostimulant with exceptional properties, improving plant metabolism, due to its high content of organic bioactive substances. It constitutes a balanced mix of vegetal amino-acids, small chain peptides, proteins and carbohydrates, enriched with organic bioactive factors, vitamins and trace elements in chelate form. **Force** is suitable for all crops and can be applied either by foliar sprayings or fertigation.

Force:

- Improves the N/C relation.
- Activates the beneficial bacteria content of soil, when applied.
- Increases resistance of plants to unfavorable climatic conditions and stress situation.
- Helps better absorption, assimilation and utilization of nutrient substances and trace elements.
- Increases total productivity of the crops and improves their qualitative characteristics.

Promoter

Promoter is an organo-mineral fertilizer rich in natural biostimulants humic and fulvic acids, saccharides, betains, vitamins (nicotinic and folic acid). Furthermore, it contains nitrogen, phosphorus and potassium in assimilable forms, in order to benefit soil's fertility. It can be applied by foliar sprayings and fertigation.

Promoter:

- Improves N/C relation
- Increases the total amount of soil's microorganisms
- Amplifies plants' tolerance against stressful environmental conditions
- Contributes in nutrients absorption and utilization
- Increases the total produce and improves the qualitative characteristics.

ANALYSIS %	W/W	W/W
Nitrogen N	10	13
Nitrate N	1	1,3
Ureic N	9	11,7
Phosphorus P ₂ O ₅	2	2,6
Potassium K ₂ O	5	6,5
Organic matter	10	13

Plant extracts, Yeast extracts,
Fulvic acid extracts.



Bud Storage



ANALYSIS %	w/w
Phosphorus P ₂ O ₅	6
Potassium K ₂ O	2,2
Magnesium MgO	16
Boron B	2,2
Zinc Zn*	2

*EDTA

Bud Storage is a well balanced formulation containing high soluble inorganic plant nutrients suitable to be stored by plants after harvest, in order to improve the fruiting bud development for the next growing season. Bud storage is applied as soon as possible after harvest and before leaf fall.

Bud 14AC



ANALYSIS %	W/W	W/V
Nitrogen N	14	19
Nitrate N	8	10,8
Ammoniacal N	6	8,1
Calcium CaO	6	8,1

Bud 14 AC and **Bud 14B** liquid formulations are based on a well-balanced content nitrogen and high soluble calcium. Application helps plants to interrupt dormancy in a natural way. **Bud 14AC** and **Bud 14B** have to be sprayed on dormant branches during a specific period of time prior to bud break. Furthermore Bud 14AC and Bud 14B promote an early bud break and flowering.

Bud 14b

ANALYSIS %	W/W	W/V
Nitrogen N	14	19
Nitrate N	5,5	7,5
Ureic N	5,5	7,5
Ammoniacal N	3	4
Calcium CaO	5	6,7



Biostimulants

Fulvit



ANALYSIS %	W/V
Organic matter	20
Fulvic acids	

Fulvit is a concentrated extract of pure fulvic acids, enriched with natural bioactive substances. Characteristic of fulvic acids is their action as natural organic electrolytes.

Fulvit:

- Improves the N/C ratio.
- Activates the beneficial bacteria and enzymes of the soil.
- Increases the resistance of plants to unfavourable climatic conditions and contition of stress
- Helps in better absorption, assimilation and utilization of nutritive substances and trace elements.
- Increases the total productivity of the crops and improves their qualitative characteristics.



Chelan Cu



ANALYSIS %	W/W	W/V
Copper Cu	5,2	6,3
Nitrogen N	2,7	3,2
Organic matter	16,7	20

(N) Organic
Hydrolyzed plant protein

Chelan Cu is an effective Copper liquid fertilizer in chelate form. It is suitable for correcting copper deficiencies. Chelan Cu formulation is based on copper, chelated to amino acids and short chain peptides. It is 100% water soluble and assimilable by plants. **Chelan Cu** is suitable for all cultivations where Copper deficiency has appeared. It stimulates plants enzymic reactions, acts on carbohydrates metabolism, participates in photosynthesis and energy production. **Chelan Cu** is applied practically either by foliar sprayings or through irrigation systems.

Copper G8

Copper G8 is an effective Copper liquid fertilizer. It supplies systemic Copper to plants as Copper is chelated with gluconic acid and polysaccharide molecules. Copper is an essential nutrient needed for the normal growth and development of crops. Chlorophyll production, protein synthesis, respiration, carbohydrates distribution, nitrogen fixation, lignification, proteins synthesis and cellular membranes metabolism are important plant functions that need copper. A copper deficiency can result in early or lowered levels of chlorophyll, which leads to yield reductions. **Copper G8** formulation meets the plant nutritional needs for copper, and besides, stimulates primary metabolism and biosynthesis of polyphenols and phytoalexins in the plant, thus enhancing the natural plant vigor by reinforcing cell walls and plant tissues. Copper G8 penetrates in the vegetable tissue without producing spots in fruits or leaves. Its application does not generate any type of plant stress.

ANALYSIS %	W/W	W/V
Copper Cu	6,2	8

Chelated gluconate acid, polysaccharides



Specific Biostimulants

F - Away



ANALYSIS %	W/W
Phosphorus P_2O_5	30
Potassium K_2O	20

Phosphorus source: Phosphorus acid

F-away is a concentrated and very effective source of potassium phosphite, suitable for foliar or soil application. Phosphite ion has one less oxygen molecule than phosphate and a much higher degree of solubility and mobility. This characteristic permits phosphite to be rapidly absorbed or taken up cross the membranes of plant foliage and roots. **F-away** is an excellent available source of potassium and phosphorus and an appropriate supplementary fertilization especially at crop growth stages where high requirements of these nutrients are needed.

The nutrients of **F-away** enhance the physical condition the plants and make them more resistant to negative environmental and climatic conditions.

F - Away + Cu

F-away + Cu is a concentrated and very effective formulation based on ammonium and copper phosphites. Phosphite ion has one less oxygen molecule than phosphate and a much higher degree of solubility and mobility. This characteristic permits phosphite to be rapidly absorbed or taken up cross the membranes of plant foliage and roots.

Copper is an essential nutrient needed for normal growth and development of crops. Chlorophyll production, protein synthesis, respiration, carbohydrates distribution, nitrogen fixation, lignification, protein synthesis and cellular membranes metabolism are important plant functions that need copper. A copper deficiency can result in early or lowered levels of chlorophyll, which leads to yield reductions.

ANALYSIS %	W/W	W/V
Nitrogen N	10	13
Ammoniacal N	10	13
Phosphorus P_2O_5	22	28
Copper Cu	4	5,2

Phosphorus source: Phosphorus acid



F - Away+Zn



ANALYSIS %	W/W
Nitrogen N	3
Ureic N	3
Phosphorus P ₂ O ₅	33
Zinc Zn	10

Phosphorus source: Phosphorus acid

F-away Zn is a very effective formulation based on Zinc phosphite. Phosphite ion has one less oxygen molecule than phosphate and a much higher degree of solubility and mobility. This characteristic permits phosphite to be rapidly absorbed or taken up cross the membranes of plant foliage and roots.

Since Zinc is a plant micronutrient which is involved in many physiological functions, its inadequate supply will reduce crop yields. Zinc deficiency can affect plants by stunting its growth, decreasing the number of tillers, chlorosis and smaller leaves, increasing crop period, spikelet sterility and inferior quality of harvested products.

F - Away+Ca

F-away Ca is a very effective formulation based on Calcium phosphite. Phosphite ion has one less oxygen molecule than phosphate and a much higher degree of solubility and mobility. This characteristic permits phosphite to be rapidly absorbed or taken up cross the membranes of plant foliage and roots.

Calcium is an important component of cell wall development; higher calcium levels lead to thicker and stronger cell walls, which improves fruit firmness and grants longer shelf life. Another characteristic of phosphite ions is their ability to increase nutrient uptake and translocate into plant tissues. Normally calcium moves very slowly through the plants xylem, but **F-away Ca** moves very fast and efficiently. Calcium deficiency problems can effectively be solved by using **F-away Ca** fertilizer to improve growth, fruit quality and shelf life.

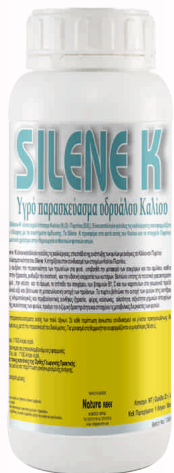
ANALYSIS %	W/W
Phosphorus P ₂ O ₅	20
Calcium CaO	5

Phosphorus source: Phosphorus acid



Specific Biostimulants

Silene K



ANALYSIS %	W/W
Potassium K ₂ O	12,5
Silicate SiO ₂	26

(Potassium K₂O fully water soluble)

Silene-K is liquid potassium silicate fertilizer suitable for all crops. Potassium, improves the qualitative characteristics of fruits such as. Colour, flavour and aroma, sugars content, vitamins B1, C, post harvest preservaton, while it decreases the undesirable oxalic acid. **Silene-K** is an important source of silicon. The beneficial effects of the silicon applications are extremely important for plants grown in stressful situations.

Silic Plus

Silic Plus is a liquid fertilizer of silicon in the form of stabilized oligomeric silicate , a high available form of silicon. Silicon is an element that forms Si-enzyme complexes that act as protectors and photosynthesis regulators and influence other enzymatic activities as well. It plays an important role in the structural rigidity of cell walls. The beneficial effects of the silicon applications are extremely important for plants grown in stressful situations. Silicon is deposited in the cell wall of the xylem vessels, so it can avoid the vessel compression under high transpiration conditions; therefore, it enhances the sap flow, easing the distribution of nutritive elements, which are relatively immobile to the interior of the plant and stimulate root aggressiveness.

ANALYSIS %	W/W
Silicate SiO ₂	2
Boron B	0,2

(SiO₂) in oligomer form



Chelan Ks



ANALYSIS %	W/W
Potassium K ₂ O	40
Organic matter	15

(Potassium K₂O fully water soluble)

Chelan Ks is a water soluble fertilizer rich in potassium, enriched with amino acids and adjuvants. This form ensures the correction of potassium deficiency due to its absorbability and assimilability. Moreover, **Chelan Ks** improves the qualitative characteristics such as coloration, taste and aroma in fruits, sugars content level, vitamins (B1, C) and carotene concentration. **Chelan Ks** decreases the undesirable oxalic acid, elongates the post harvest conservation period, strengthens fruits durability, etc. Chelan Ks is a chloride-free product, providing protection to the qualitative characteristics from the potential danger of chloride impact at foliar sprayings.

NeoSol

Neosol is an organic soil characteristics conditioner, suitable for soil improvement and growth of healthy root system. It contains a well balanced mixture of vegetable lipids and phospholipids as well as natural polysaccharides.

Neosol enriches the soil with high rates of organic substance, aiming in the increase of beneficial micro-organisms population. This increased number of beneficial micro-organisms competes with the pathogenic micro-organisms of soil, like parasitic nematodes, thus improving the protection of plant root system.

ANALYSIS %	W/W
Organic matter	70

Contains selected natural polysaccharides, lipids, phospholipids and amino acids.



Specific Biostimulants

Bio Ka



ANALYSIS %	w/w
Potassium K ₂ O	5
Potassium salts of plant fatty acids	40

Bio Ka is a liquid Potassium fertilizer in the form of potassium salts of plant fatty acids, suitable for foliar applications. Its application contributes to the avoidance and correction of potassium deficiencies and in the improvement of qualitative characteristics that depend on potassium, such as the flavour, the aroma of

fruits and an increase in saccharides.

This particular form of Potassium, allocates surface active attributes and consequently the preparation functions as a natural "wetter" that helps the entry of Potassium ion through the leafage.

Due to the special organic composition, **Bio Ka** helps to remove honeydews in the plants.

3S is an anionic surfactant formulation with exceptional properties of wetting agent. Surfactants are actually the most widely-used and efficient additives in enhancing foliar spray efficacy. 3S reduces surface tension in the spray droplet, which ensures that the formulation spreads out and covers plants with a thin film rather than beading up. 3S can also directly influence the absorption of agrochemicals by changing the viscosity and crystalline structure of waxes on leaf and stem surfaces. By this action the leaves can be more easily penetrated by the active substances. Moreover, **3S** increases the adhesiveness of the spraying solutions and decreases the danger of run-off, if sprayings are followed by rain.

3S is:

- Soluble in water
- Soluble in most organic solvents
- Miscible with most aliphatic & aromatic hydrocarbon solvents
- Chemically stable in neutral solutions and moderately stable in dilute acidic & alkali solutions

Compatible with anionic & non-ionic surfactants, but not cationic surfactants

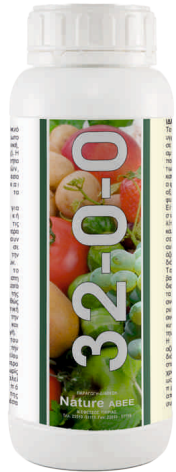
3S

ANALYSIS %	w/v
Sodium salt, organic acids.	65-70



Liquid N-P-K fertilizers

32-0-0



ANALYSIS %	W/W
Nitrogen N	32
Nitrate N	8,5
Ureic N	15
Ammoniacal N	8,5

32-0-0 is dense liquid fertilizer, containing nitrogen in a triple form (ureic, ammoniacal and nitrate). The quality and purity of the raw materials used, renders this product immediately absorbable and assimilable by plants. It is suitable as a supplementary fertilizer to all cultivations and particularly for those that have increased necessities

in nitrogen (e.g., leafy vegetables), as well as for the correction of nitrogen's deficiencies.

Nitrogen is the most basic element in the nutrition of plants during the first growth stages, as it regulates shoots development, cells division, and consequently, increases total production. The triple form of nitrogen ensures availability of this element over long periods of time, avoiding abnormalities caused by rapid accumulation of nitrogen into fruits (e.g. schisms or hollowness).

32-0-0 is applicable either by foliar sprayings or by fertigation.

Nitro Step by Step

Nitro Step by Step is a liquid fertilizer of slow available nitrogen. The polymerized form of nitrogen (polymethylen- urea) , release nitrogen at a constant rate, thus plants have available nitrogen over a long period. Besides all abnormalities caused by rapid accumulation of nitrogen are avoided (e.g. schisms or hollowness).

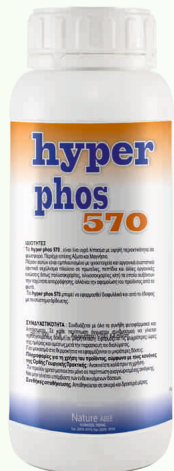
Nitro Step by Step is applicable either by foliar sprayings or by fertigation.

ANALYSIS %	W/W	W/O
Nitrogen N	23,3	28
Ureic N	7,0	8,4
polymerized urea formaldehyde	16,3	19,6



Liquid N-P-K fertilizers

Hyper Phos 570



ANALYSIS %	W/W	W/V
Nitrogen N	3,5	5
Phosphorus P ₂ O ₅	50	70
Magnesium MgO	0,35	0,5
Copper Cu	0,007	0,01
Iron Fe	0,07	0,1
Manganese Mn	0,07	0,1
Boron B	0,007	0,01
Zinc Zn	0,07	0,1
Molybdaimum Mo	0,0003	0,0004
Organic matter	2	3

Hyper Phos 570 with trace elements is a fertilizer with a high content of phosphorus, in a stable organic complex form. It is suitable for crops which have high necessities in phosphorus (e.g. beans) or for certain stages of some crops where high quantities of phosphorus are required (e.g. cotton, clover, horticultural). Moreover, it contains bioactive factors such as amino-acids, vitamins, stabilizers, etc, which increase the speed of absorption and assimilation of this product by the plant.

Hyper Phos 570 can be applied foliar as well as to the soil through the irrigation system.

Nature's KS

Nature's KS is a dense liquid potassium fertilizer in thiosulphate form. Its application, contributes to the avoidance and correction of potassium deficiency and improvement of qualitative characteristics of produce (flavour, aroma, color, sugar content, etc.).

Futhermore, it increases plant tolerance against drought and other stressful environmental conditions and increases post harvest storage life of the products. It is particularly effective when practiced through fertigations in alkaline soils, thus achieving pH decrease.

It is suitable for all crops during the biological stage of plants when potassium needs are higher.

ANALYSIS %	W/W	W/V
Potassium K ₂ O	23,4	30
Sulphur S	15,5	20

Potassium K₂O water soluble



Brillant K³²

Brillant K³² is a high rate organic potassium product. The treatment of plants with **Brillant K³²** ameliorates the qualitative characteristics such as aroma, taste, coloring and sugars level and also corrects potassium deficiencies. Moreover, it contributes to the increment of plants tolerance whenever unfavourable conditions for crops prevail. The organic form of potassium eases and speeds both absorption and translocation into the plants, improving the fertilizers effectiveness.

ANALYSIS %	W/W	W/W
Potassium K ₂ O	24	32
Organic matter	17	22,5

Potassium salts of organic acids,
organic plant extract



Liquid N-P-K fertilizers



Basic 7-7-7

Basic 7-7-7 with trace elements, is a balanced liquid NPK fertilizer. It is suitable for supplementary fertilization of all crops, at all cultivation stages. Apart from its balanced proportion in basic nutritional elements, it contains all the essential trace elements in sufficient quantity and in complete chelate and assimilable form.

Basic 5-8-10

Basic 5-8-10 is a liquid NPK fertilizer, primarily rich in potassium. It is particularly effective when applied through foliar applications to all crops, from the beginning of cells expansion to ripening. Potassium plays a main role in the amelioration of qualitative characteristics (colour, aroma, sugars), as well as the prolongation of post harvest conservation.

It also contains a correct proportion of the other two basic fertilizing elements (nitrogen and phosphorus) and a sufficient quantity of trace elements in complete chelate (EDTA) and assimilable form as well.



Basic 12-4-6

Basic 12-4-6 is a liquid NPK fertilizer primarily rich in nitrogen. It is suitable for all cultivations, particularly at vegetative growth and after blossoms fertilization (stage of rapid cells division). Apart from a balanced proportion of basic nutritional elements, it contains all the essential trace elements in sufficient quantity, in complete chelate and assimilable form.

BASIC 7-7-7	N:	7	P ₂ O ₅ :	7	K ₂ O:	7	Fe:	0,01	Mn:	0,01	Zn:	0,01
BASIC 5-8-10	N:	5	P ₂ O ₅ :	8	K ₂ O:	10	Fe:	0,01	Mn:	0,01	Zn:	0,01
BASIC 12-4-6	N:	12	P ₂ O ₅ :	4	K ₂ O:	6	Fe:	0,01	Mn:	0,01	Zn:	0,01

High Density N-P-K fertilizers in gel form

HD 21-21-21



ANALYSIS %	W/W	W/V
Nitrogen N	14	21
Nitrate N	2,6	3,9
Ammoniacal N	3	4,5
Ureic N	8,4	12,6
Phosphorus P ₂ O ₅	14	21
Potassium K ₂ O	14	21
Boron B	0,02	0,015
Iron Fe*	0,03	0,02
Zinc Zn*	0,03	0,02
Manganese Mn*	0,03	0,02
Copper Cu*	0,03	0,02

*EDTA form

HD 21-21-21 is a balanced N-P-K fertilizer in suspension form, suitable for all crops, during all stages of plant growth. **HD 21-21-21** provides an additional source of nitrogen, phosphorous and potassium during the growing season. **HD 21-21-21** fertilizer is in a easy absorbtion form by plant tissue when applied foliar. **HD 21-21-21** is manufactured by use of high quality raw materials to provide a very agronomically efficient source of N-P-K. **HD 21-21-21** is enriched with trace elements in a complete chelate and assimilable form.

HD 26-6-6

HD 26-6-6 is a N-P-K fertilizer in suspension form, suitable for all crops and particularly for those which have high necessities in nitrogen or for certain stages of some crops where high quantities of nitrogen are required. **HD 26-6-6** is manufactured by utilizing high quality raw materials to provide a very agronomically efficient source of N-P-K. **HD 26-6-6** is enriched with trace elements in complete chelate and assimilable form.

ANALYSIS %	W/W	W/V
Nitrogen N	20	26
Nitrate N	6	8
Ammoniacal N	6	8
Ureic N	8	10
Phosphorus P ₂ O ₅	5	6
Potassium K ₂ O	5	6
Boron B	0,02	0,015
Iron Fe*	0,03	0,02
Zinc Zn*	0,03	0,02
Manganese Mn*	0,03	0,02
Copper Cu*	0,03	0,02

*EDTA form



Dense N-P-K liquid fertilizers

9-18-9

3-18-18

13-13-13

18-18-18

The range of **Dense** liquid NPK fertilizers is rich in basic nutritional elements and strongly enriched with trace elements. It is suitable for all crops, during all stages of plant growth. The range of **Dense** liquid NPK fertilizers provides an additional source of nitrogen, phosphorous and potassium during the growing season. It is manufactured by use of high quality raw materials to provide a very agronomically efficient source of N-P-K. The quality of the raw materials used to formulate the range of **Dense** liquid NPK fertilizers maximized plant nutrient solubility.

Water soluble fertilizers

chelansol

Chelan Sol range includes 100% water soluble fertilizers enriched with trace elements in EDTA form.

Chelan Sol water-soluble fertilizer are manufactured with the highest quality and pure source of raw materials. They are used to solve nutritional problems of soil irrigation and satisfy the demand of nutrients for all plant.

The range is capable to cover the plant nutrition needs from beginning until harvest and completion of the annual biological cycle.

Properties and characteristics:

- Suitable for all soil irrigation techniques
- Lowers the pH of solutions to acid values
- Free of impurities, chlorine, sodium and heavy metals
- Low salinity
- Low levels of biuret
- Micronutrients in the fully chelated from EDTA
- 100 % soluble in water

20-20-20	14-6-28
30-10-10	15-5-30
25-10-20	12-12-36
25-5-5	13-39-13
20-12-20	9-45-15
25-5-25	5-55-20

Water soluble fertilizers *for* Professionals

Specially Formulated Water Soluble Fertilizers for professional use

Professional series includes a wide range of 100% water soluble fertilizers enriched with high levels of DTPA and EDTA chelated trace elements. The whole Professional range with specially designed formulations is able to cover rapidly and accurately the plant nutrition needs, specially during the most demanding periods of annual biological cycle.

- Technical grade raw materials
- DTPA and ETDA complexed trace elements
- Low salinity
- Acidic pH
- Fe DTPA complexed
- Mn, Zn, Cu EDTA complexed



30-10-10

20-20-20

20-10-20+MgO

10-50-10

10-30-20+2MgO

15-8-22+2MgO

15-11-33

17-7-26+3MgO

9-9-35+3MgO

7-18-38

**14-0-14 +3MgO
+10,5CaO**

22-7-7 acid

chelan sol plus

Water-Soluble fertilizers enriched with organic ingredients

Chelan Sol Plus range includes 100% water soluble fertilizers enriched with bioactive agents like betaines, aminoacids, vitamins, coenzymes, seaweed extracts, humic and fulvic acids. The Chelan Sol Plus range contains high concentrated trace elements complexed in EDTA form.

The range is capable to cover the the plant nutrition needs from the beginning until harvest and the completion of the annual biological cycle.

- Technical grade raw materials
- 2,5% Organic substances
- Low salinity
- Acidic pH
- Rich in trace elements



9-45-45

12-4-40

13-39-13

20-20-20

20-10-20

10-5-35+3MgO

10-20-30+2MgO

25-20-10

30-10-10

14-48-0

Products for Specific use

Correct pH



Correct pH is a special preparation for lowering the pH of spraying solutions. It contains polycarboxylic acids, in order to inactivate the salts and the heavy metals, as the latter causes oxidation and hydrolyzation of agrochemicals. Moreover Correct pH contains an indicator, which makes the spraying solution fade to pink when pH grade lowers to the ideal (4-5).

Minor pH and Salt

Minor pH & Salt is a specialized fertilizer which aims the reduction of pH and the removal of salts from the soil. With its application, a part of the carbonates ions of the ground are neutralized, resulting in the lowering of pH at least, for half a unit. For the maintenance of this reduction, repeated applications are required, at least twice per farming period, depending on grounds C.E.C. Moreover, due to the containing of polycarboxylic acids, Minor pH & Salt contributes to the extraction of sodium, resulting in the reduction of the total salinity of the soil.

ANALYSIS %

Nitrogen N

W/W

15



Antiscal



ANALYSIS %	W/V
Nitrogen N	9
Phosphorus P ₂ O ₅	12

Antiscal is a liquid formulation, suitable for the cleaning of all the irrigation systems (drip irrigation systems, sprayers etc.).

Irrigation water contains salts, often in high concentrations, which bond together forming clogs, particularly at the terminals of the irrigation equipments. When clogging occurs, it obstructs the flow of water, creating potential danger to equipment and crops. Antiscal, with its special composition, helps dilution of these clogs, protecting irrigation systems and consequently the plants.

Antisal

Antisal is an excellent saline soil corrector. It is rich in organically chelated calcium and mono- and polycarboxylic acids which can help to overcome successfully salinity problems.

Mode of action: It displaces the Sodium ions (Na⁺) adsorbed by clays, replacing them with calcium, thus preventing sodium salinisation. The soluble calcium carried by the poly- and monocarboxylic organic acids saturates the soil humic clay matrix, allows the exchange of Sodium ions and finally their removal from root area.

Moreover the calcium included by Antisal is a fundamental nutritional element for the correct development of crops. Calcium is the single most important nutrient in high-production agriculture and Antisal provides rapidly absorbed,

ANALYSIS %	W/V
Calcium CaO	14
Organic mono- and Polycarboxylic acids	25

Products for Specific use

Antifrost



ANALYSIS %	W/V
Nitrogen N	7
Nitrate N	4
Ureic N	3
Phosphorus P ₂ O ₅	10
Potassium K ₂ O	12
Magnesium MgO	0,05
Iron Fe	0,01
Zinc Zn	0,0015
Copper Cu	0,022
Boron B	0,05
Molybdenum Mo	0,003
Cobalt Co	0,001

Antifrost is a specially designed formulation to help plants overcome stress from low temperatures and frost. When applied according to the instructions it infiltrates into the interior parts of the cells, preparing them to endure conditions of late frost.

Green



Green range of organic fertilizers suitable for fertilizing all organic crops

The products follow the requirements of N.209 / 91 of the EC Directive 89/530 / EEC and its amendments and are certified as organic by organizations and control institutes and certification bodies of organic products.



	N	P ₂ O ₅	K ₂ O	CaO	MgO	Fe	Zn	Mn	Cu	B	seaweed extract ascoph.nod.	Organic matter
Green Alga	0,2	0,05	3	0,2	0,05	0,01	5ppm		15ppm	40ppm	25	21,4
Green B										10		
Green Fe							3				12,5	
Green Fish	4	1	1		800ppm	0,032			50ppm			20
Green Mix						1,5	1	1	0,2		12,5	
Green Zn							3				12,5	

Fertilizing program: Vineyard

PRODUCT	DESCRIPTION	APPLICATION	DOSAGE	COMMENTS
New vegetation				
Chelan Super	Liquid complete foliar fertilizer of macro and trace elements (EDTA)	1-3 application from the start of new vegetation until before flowering	2-3 lt / 1000 lt of water.	To overcome complicated deficiencies
Chelan Zn/B	Boron-Zinc	2 applications. 1st: before blossoming 2nd: after fruit bearing	2-3 lt / 1000 lt of water	For the shaping of flowers and their pollination
Fruit set enlargement				
Kinalgin	Cytokines and auxins	1-3 applications 1st: at the start of flowering 2nd: after petals falling 3rd: during fruits fast growth	Foliar: 250 cc. / 1000m ²	Increases the size of the fruit
Amino Bt	Special product of amino-acids	2-4 applications. 1st: 3 weeks after pollination. Follow ups every 7-10 days, at the maximum of 4 applications / growing season	Foliar: 100-150 c.c. / 1000m ²	Contributes to fruit enlargement and early ripening
Fruit Growth and ripening				
Chelan K	Liquid fertilizer rich in potassium, in complex form with amino acids	2-3 applications. 1st: at coloring. Follow ups every 10-15 days	2-3 lt / 1000 lt of water	Improves the qualitative characteristics of fruits
Q-60	Rich in assimilable Potassium fertilizer, enriched with aminoacids	2-3 applications. 1st: at coloring. Follow ups every 10-15 days	Foliar: 2-4 kg / 1000 lt of water	Increases sugars' level and pre-ripening
Rachis desiccation				
Chelan Mg	Magnesium liquid fertilizer	2-3 applications. 1st: after fruit set. Follow ups every 10-15 days	2-3 lt/ 1000 lt of water	Prevention of rachis desiccation

PRODUCT	DESCRIPTION	APPLICATION	DOSAGE	COMMENTS
Color enhacher				
Prosugar	Poly - saccharides	1 application at coloring	2 lt prosugar + 2 lt Poly PK /1000 lt of water	Color enhancer
Poly PK	Liquid fertilizer rich in phosphorus and potassium			
Calcophos	Liquid fertilizer of phosphorus and calcium	2 application. 1st: 7-10 days after application with prosugar+poly pk 2nd: 7-10 days later	5 lt / 1000 lt of water	Color enhancer

Special Biostimulants

F-Away	Potassium phosphite	2 -3 applications	Foliar: 250 - 300 cc / 100 lt of water. Fertigation: 1-2L/1000m ²	Stimulates root system development, flowering and ripening
Chelan Cu	Very effective Cu fertilizer in chelate form with peptides and proteins	2-3 applications	Foliar 1-1,5L/1000L of water	Stimulates enzymic reactions, participates in photosynthesis
Chelan Ks	Special potassium foliar fertilizer	2-3 applications	Foliar: 3-5 kg / 1000 lt of water	Assimilable potassium

Water Soluble Fertilizers Chelan sol and Chelan sol plus

Each range consists of many fertilizing combinations, all able to cover all crops necessities at all cultivate stages. Chelan fertilizers are produced from high purity raw materials in order to be applicable either by foliar sprayings or through the irrigation systems.

Fertilizing program: Olive

PRODUCT	DESCRIPTION	APPLICATION	DOSAGE	COMMENTS
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New vegetation

Nitro step by step	Liquid fertilizer of slow available nitrogen	1-2 applications during annual sprouting	2-3 lt / 1000 lt of water	Plants have available nitrogen over a long period
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Optimize flowering and following fruit set

Chelan B	Boron liquid fertilizer	2 applications. 1st: at the start of flowering 2nd: After fruit setting	1-2 lt / 1000 lt of water	High concentration of boron in assimilable and absorbable form
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Fruit set enlargement

Kinalgin	Cytokines and auxins	1-3 applications. 1st: at the start of flowering 2nd: after petals falling 3rd: during fruits fast growth	Foliar: 250 cc. / 1000m ²	Increases the size of the fruit
Algiton	Seaweed extracts	2-3 applications. 1st: after fruit set pollination. Follow ups every 10-15 days	1-3 lt / 1000 lt of water	Increases the size of the fruit

Fruit Growth ripening

Chelan K	Liquid fertilizer rich in potassium, in complex form with amino acids	2-3 applications. 1st: after fruit set Follow ups every 10-15 days	2-3 lt / 1000 lt of water	Improves the qualitative characteristics of fruits
Brillant K32	Organic potassium liquid fertilizer	2-3 applications. 1st: after fruit set Follow ups every 10-15 days	2-3 lt / 1000 lt of water	Improves the qualitative characteristics of fruits

PRODUCT	DESCRIPTION	APPLICATION	DOSAGE	COMMENTS
Special Biostimulants				
F-away	Liquid fertilizer of slow available nitrogen	2 -3 applications	Foliar: 250 - 300 cc / 100 lt of water. Fertigation: 1 -2 lt / 1000m ²	Stimulates root system development, flowering and ripening
Chelan Cu	Very effective Cu fertilizer in chelate form with peptides and proteins		Foliar 100 - 150 c.c / 100 lt of water	Stimulates enzymic reactions, acts on carbohydrates metabolism, participates in photosynthesis
Chelan KS	Special foliar product		Foliar: 3-5 kg / 1000 lt of water	Assimilable potassium

Water Soluble Fertilizers Chelan sol and Chelan sol plus

Each range consists of many fertilizing combinations, all able to cover all crops necessities at all cultivate stages. Chelan fertilizers are produced from high purity raw materials in order to be applicable either by foliar sprayings or through the irrigation systems.

Fertilizing program: Tomato

PRODUCT	DESCRIPTION	APPLICATION	DOSAGE	COMMENTS
Post Transplant				
Rhizoactive	Liquid blend of organic bioactive substances	Application after transplant	Fertigation: 1lt / 1000m ²	Root stimulation
Soil energy	Plant extract biostimulant	Repeated applications every 10-15 days	Fertigation: 1-2lt / 1000m ²	Improves nutrients absorption
Fruit set- enlargement				
Kinalgin	Cytokines and auxins	1st: when plants have 3-6 leaves 2nd: 2 weeks after the first. 3rd: 2 weeks after the second	Foliar: 250 cc. / 1000m ²	Increases the size of the fruit
End rot				
Chelan CaO	Calcium liquid fertilizer enriched with nitrogen and magnesium	3-5 applications. 1st: after fruit set. Follow ups every 7-10 days	Foliar:2-3 lt / 1000 lt of water Fertigation: 1-2lt /1000m ²	Could be used alternatively with Profi cal + Mg, Chelan CaP and Calcio N super
Profi cal +Mg	Calcium-Magnesium fertilizer in chelate form with special selective amino-acids	3-5 applications. 1st: after fruit set. Follow ups every 7-10 days	Foliar:2-3 lt / 1000 lt of water	Could be used alternatively with Chelan CaO, Chelan CaP and Calcio N super
Chelan CaP	Liquid Calcium & Phosphorus fertilizer	3-5 applications. 1st: after fruit set. Follow ups every 7-10 days	Foliar:1-3 lt / 1000 lt of water	Could be used alternatively with Profi cal + Mg, Chelan CaO and Calcio N super
Calcio N super	Calcium complex with Amidic nitrogen + Boron + Zinc	3-5 applications. 1st: after fruit set. Follow ups every 7-10 days	Foliar:2-3 lt / 1000 lt of water Fertigation: 1-2lt / 1000m ²	Could be used alternatively with Profi cal + Mg, Chelan CaO and Chelan CaP

PRODUCT	DESCRIPTION	APPLICATION	DOSAGE	COMMENTS
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Fruit Growth and ripening

Chelan K	Liquid fertilizer rich in potassium, in complex form with amino acids	2-3 applications. 1st: at coloring. Follow ups every 10-15 days	2-3 lt / 1000 lt of water	Improves the qualitative characteristics of fruits
Pro sugar	Poly - saccharides	2-3 applications. 1st: at coloring. Follow ups every 10-15 days	2-3 lt / 1000 lt of water	Increases sugars' level, cells durability and pre-ripening

Special Biostimulants

F-away	Potassium phosphite	2 -3 applications	Foliar 100 - 200 c.c / 100 lt of water. Fertigation: 1 -2 lt / 1000m ²	Stimulates root system development, flowering and ripening
Chelan Cu	Very effective Cu fertilizer in chelate form with peptides and proteins	2 -3 applications	Foliar: 1L /1000 lt of water Fertigation: 1 -1,5 lt/1000m ²	Stimulates plants enzymic reactions, acts on carbohydrates metabolism, participates in photosynthesis and energy production
Chelan KS	Special foliar product	2-4 applications	Foliar: 3-5 kg / 1000 lt of water	Assimilable potassium
Neosol	Organic soil conditioner, suitable for soil improvement and growth of healthy root system	1-3 applications	Fertigation: 1 lt / 1000m ²	Increase of beneficial microorganisms creates phenomenal competition with pathogenic micro-organisms of the soil, such as parasitic nematodes

Water Soluble Fertilizers Chelan sol and Chelan sol plus

Each range consists of many fertilizing combinations, all able to cover all crops necessities at all cultivate stages. Chelan fertilizers are produced from high purity raw materials in order to be applicable either by foliar sprayings or through the irrigation systems.

Fertilizing program: Pepper-Eggplant

PRODUCT	DESCRIPTION	APPLICATION	DOSAGE	COMMENTS
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Post Transplant

Rhizoactive	Liquid blend of organic bioactive substances	Application after transplant	Fertigation: 1lt / 1000m ²	Root stimulation
Soil energy	Plant extract biostimulant	Repeated applications every 10-15 days	Fertigation: 1-2lt / 1000m ²	Improves nutrients absorption

Fruit set- enlargement

Kinalgin	Cytokines and auxins	1-3 applications. 1st: when plants have 3-6 leaves 2nd: 2 weeks after the first. 3rd: 2 weeks after the second	Foliar: 250 cc. / 1000m ²	Increases the size of the fruit
Algiton	Seaweed extracts	Application after each fruit set	Foliar: 1-3 lt / 1000 lt of water	Increases the size of the fruit

End rot

Chelan CaO	Calcium liquid fertilizer enriched with nitrogen and magnesium	3-5 applications. 1st: after fruit set. Follow ups every 7-10 days	Foliar:2-3 lt / 1000 lt of water Fertigation: 1-2lt / 1000m ²	Could be used alternatively with Profi cal + Mg, Chelan CaP and Calcio N super
Profi cal +Mg	Calcium-Magnesium fertilizer in chelate form with special selective amino-acids	3-5 applications. 1st: after fruit set. Follow ups every 7-10 days	Foliar:2-3 lt / 1000 lt of water	Could be used alternatively with Chelan CaO, Chelan CaP and Calcio N super
Chelan CaP	Liquid Calcium & Phosphorus fertilizer	3-5 applications. 1st: after fruit set. Follow ups every 7-10 days	Foliar:1-3 lt / 1000 lt of water	Could be used alternatively with Profi cal + Mg, Chelan CaO and Calcio N super
Calcio N super	Calcium complex with Amidic nitrogen + Boron + Zinc	3-5 applications. 1st: after fruit set. Follow ups every 7-10 days	Foliar:2-3 lt / 1000 lt of water Fertigation: 1-2lt / 1000m ²	Could be used alternatively with Profi cal + Mg, Chelan CaO and Chelan CaP

PRODUCT	DESCRIPTION	APPLICATION	DOSAGE	COMMENTS
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Fruit Growth and ripening

Chelan K	Liquid fertilizer rich in potassium, in complex form with amino acids	2-3 applications. 1st: at coloring. Follow ups every 10-15 days	2-3 lt / 1000 lt of water	Improves the qualitative characteristics of fruits
Pro sugar	Poly - saccharides	2-3 applications. 1st: at coloring. Follow ups every 10-15 days	2-3 lt / 1000 lt of water	Increases sugars' level, cells durability and pre-ripening

Special Biostimulants

F-away	Potassium phosphite	2 -3 applications 1st: at coloring. Follow ups every 10-15 days	Foliar 100 - 200 c.c / 100 lt of water. Fertigation: 1 -2 lt / 1000m ²	Stimulates root system development, flowering and ripening
Chelan Cu	Very effective Cu fertilizer in chelate form with peptides and proteins	2 -3 applications	Foliar: 100 c.c / 100 lt of water Fertigation: 1 -1,5 lt / 1000m ²	Stimulates plants enzymic reactions, acts on carbohydrates metabolism, participates in photosynthesis and energy production
Chelan KS	Special foliar product	2-4 applications	Foliar: 3-5 kg / 1000 lt of water	Assimilable potassium
Neosol	Organic soil conditioner, suitable for soil improvement and growth of healthy root system	1-3 applications	Fertigation: 1 lt / 1000m ²	The population increase of beneficial micro-organisms creates phenomenal competition with pathogenic micro-organisms of the soil, such as parasitic nematodes

Water Soluble Fertilizers Chelan sol and Chelan sol plus

Each range consists of many fertilizing combinations, all able to cover all crops necessities at all cultivate stages.
Chelan fertilizers are produced from high purity raw materials in order to be applicable either by foliar sprayings or through the irrigation systems.

Fertilizing program: Peach - Apricot

PRODUCT	DESCRIPTION	APPLICATION	DOSAGE	COMMENTS
New vegetation				
AA + Vit	Aminoacids- vitamins	1-3 applications every 15-20 days from the start of new vegetation	1 kg / 1000 lt of water	Helps plants to overcome stressful situations due to weather or other conditions
Chelan super	Liquid complete foliar fertilizer of macro and trace elements (EDTA)	1-3 applications every 15-20 days from the start of new vegetation	2 lt / 1000 lt of water	To overcome complicated deficiencies
Fruit set- enlargement				
Kinalgin	Cytokines and auxins	1-3 applications. 1st: at the start of flowering 2nd: after petals falling 3rd: during fruits fast growth	Foliar: 250 cc. / 1000m ²	Increases the size of the fruit
Fruit Growth and ripening				
Chelan K	Liquid fertilizer rich in potassium, in complex form with amino acids	2-3 applications. 1st: at coloring. Follow ups every 10-15 days	2-3 lt / 1000 lt of water	Improves the qualitative characteristics of fruits
Pro sugar	Poly - saccharides	2-3 applications. 1st: at coloring. Follow ups every 10-15 days	2-3 lt / 1000 lt of water	Increases sugars' level, cells durability, pre-ripening
Profi cal +Mg	Calcium-Magnesium fertilizer in chelate form with special selective amino-acids	1-3 applications. 1st: at coloring. Follow ups every 10-15 days	2-3 lt / 1000 lt of water	Elongates the post harvest conservation period

PRODUCT	DESCRIPTION	APPLICATION	DOSAGE	COMMENTS
Special Biostimulants				
F-away	Potassium phosphite	2 -3 applications	Foliar 2,5-3L/1000 lt of water. Fertigation: 1 -2 lt / 1000m ²	Stimulates root system development, flowering and ripening
Chelan Cu	Very effective Cu fertilizer in chelate form with peptides and proteins	2 -3 applications	Foliar 100 - 150 c.c / 100 lt of water	Stimulates plants enzymic reactions, acts on carbohydrates metabolism, participates in photosynthesis and energy production
Chelan KS	Special foliar product	2 -3 applications	Foliar: 3-5 kg / 1000 lt of water	Assimilable potassium

After harvest

Bud storage	Special foliar fertilizer	Application after harvest and before leaf fall	Foliar: 0,5kg / 1000 m ²	Improves the fruiting bud development for the next production period.
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Water Soluble Fertilizers Chelan sol and Chelan sol plus

Each range consists of many fertilizing combinations, all able to cover all crops necessities at all cultivate stages. Chelan fertilizers are produced from high purity raw materials in order to be applicable either by foliar sprayings or through the irrigation systems.

Fertilizing program: Cherry

PRODUCT	DESCRIPTION	APPLICATION	DOSAGE	COMMENTS
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Before Bud break

Bud 14AC Bud 14B	Special foliar fertilizers	1 application 45(±5) days before bud break	5lt Bud 14B+8lt Bud 14AC /100 lt of water	Promotes early flowering
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Fruit set- enlargement

AA + Vit	Aminoacids- vitamins	1-3 applications every 15-20 days from the start of new vegetation	1 kg / 1000 lt of water	Helps plants to overcome stressful situations due to weather or other conditions
Chelan super	Liquid complete foliar fertilizer of macro and trace elements (EDTA)	1-3 applications every 15-20 days from the start of new vegetation	2 lt / 1000 lt of water	To overcome complicated deficiencies

Fruit set- enlargement

Kinalgin	Cytokines and auxins	1-3 applications. 1st: at the start of flowering 2nd: after petals falling 3rd: during fruits fast growth	Foliar 250 cc. / 1000m2	Increases the size of the fruit
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For the preventing fruit's cracking

Amino GT	Special product of amino-acids	2-4 applications. 1st: 3 weeks after pollination. Follow ups every 7-10 days, at the maximum of 4 applications / growing season.	Foliar 100-150 c.c. / 1000m2	In cases where rains are predicted, an extra application is recommended, by condition that no application have been done 5 days before.
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PRODUCT	DESCRIPTION	APPLICATION	DOSAGE	COMMENTS
Fruit Growth and ripening				
Chelan K	Liquid fertilizer rich in potassium, in complex form with amino acids	2-3 applications. 1st: at coloring. Follow ups every 10-15 days	2-3 lt / 1000 lt of water	Improves the qualitative characteristics of fruits
Pro sugar	Poly - saccharides	2-3 applications. 1st: at coloring. Follow ups every 10-15 days	2-3 lt / 1000 lt of water	Increases sugars' level, cells durability and pre-ripening
Profi cal +Mg	Calcium-Magnesium fertilizer in chelate form with special selective amino-acids	1-3 applications. 1st: at coloring. Follow ups every 10-15 days	2-3 lt / 1000 lt of water	Elongates the post harvest conservation period

Special Biostimulants

F-away	Potassium phosphite	2 -3 applications	Foliar 250 - 300 cc / 100 lt of water. Fertigation: 1 -2 lt / 1000m2	Stimulates root system development, flowering and ripening
Chelan Cu	Very effective Cu fertilizer in chelate form with peptides and proteins	2-3 applications	Foliar 100 - 150 c.c / 100 lt of water	Stimulates plants enzymic reactions, acts on carbohydrates metabolism, participates in photosynthesis and energy production
Chelan KS	Special foliar product	2-3 applications	Foliar 3-5 kg / 1000 lt of water	Assimilable potassium

After harvest

Bud storage	Special foliar fertilizer	Application after harvest and before leaf fall	Foliar 0,5kg / 1000 m2	Improves the fruiting bud development for the next production period.
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Water Soluble Fertilizers Chelan sol and Chelan sol plus

Each range consists of many fertilizing combinations, all able to cover all crops necessities at all cultivate stages. Chelan fertilizers are produced from high purity raw materials in order to be applicable either by foliar sprayings or through the irrigation systems.

Fertilizing program: Apple-Pear

PRODUCT	DESCRIPTION	APPLICATION	DOSAGE	COMMENTS
New vegetation				
AA + Vit	Aminoacids- vitamins	1-3 applications every 15-20 days from the start of new vegetation	1 kg / 1000 lt of water	Helps plants to overcome stressful situations due to weather or other conditions
Chelan Zn/B	Boron-Zinc	2 applications. 1st: before blossoming 2nd: after fruit bearing	2-3 lt / 1000 lt of water	For the shaping of flowers and their pollination
Fruit set- enlargement				
Kinalgin	Cytokines and auxins	1-3 applications. 1st: at the start of flowering 2nd: after petals falling 3rd: during fruits fast growth	Foliar: 250 cc. / 1000m2	Increases the size of the fruit
Bitter pit				
Chelan Ca	Calcium liquid fertilizer enriched with nitrogen and magnesium	4-5 applications. 1st: after fruit set. Follow ups every 7-10 days	2-4 lt / 1000 lt of water	Could be used alternatively with Profi cal + Mg and Chelan CaP
Profi cal +Mg	Calcium-Magnesium fertilizer in chelate form with special selective amino-acids	4-5 applications. 1st: after fruit set. Follow ups every 7-10 days	2-4 lt / 1000 lt of water	Could be used alternatively with Chelan Ca and Chelan CaP
Chelan CaP	Liquid Calcium & Phosphorus fertilizer	4-5 applications. 1st: after fruit set. Follow ups every 7-10 days	2-4 lt / 1000 lt of water	Could be used alternatively with Profi cal + Mg and Chelan Ca
Black spot and corky tissues				
Chelan B	High concentration of boron in assimilable and absorbable form	1-2 applications after fruit set	1-1,5 lt / 1000 lt of water	Very effective in cases of boron deficiencies

PRODUCT	DESCRIPTION	APPLICATION	DOSAGE	COMMENTS
Color enhancer				
Calcophos	Liquid fertilizer of phosphorus and calcium	2-3 applications. 1st: at coloring. Follow ups every 7-10 days	3-5 lt / 1000 lt of water	Color enhancer
Chelan K	Liquid fertilizer rich in potassium, in complex form with amino acids	2-3 applications. 1st: at coloring. Follow ups every 10-15 days	2-3 lt / 1000 lt of water	Improves the qualitative characteristics of fruits
Pro sugar	Poly - saccharides	2-3 applications. 1st: at coloring. Follow ups every 10-15 days	2-3 lt / 1000 lt of water	Increases sugars' level, cells durability and pre-ripening

Special Biostimulants

F-away	Potassium phosphite	2 -3 applications	Foliar 250 - 300 cc / 100 lt of water. Fertigation: 1 -2 lt / 1000m2	Stimulates root system development, flowering and ripening
Chelan Cu	Very effective Cu fertilizer in chelate form with peptides and proteins	2 -3 applications	Foliar 100 - 150 c.c / 100 lt of water	Stimulates plants enzymic reactions, acts on carbohydrates metabolism, participates in photosynthesis and energy production
Chelan KS	Special foliar product	2 -3 applications	Foliar: 3-5 kg / 1000 lt of water	Assimilable potassium

After harvest

Bud storage	special foliar fertilizer	Application after harvest and before leaf fall	Foliar: 0,5kg / 1000 m2	Improves the fruiting bud development for the next production period.
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Water Soluble Fertilizers Chelan sol and Chelan sol plus

Each range consists of many fertilizing combinations, all able to cover all crops necessities at all cultivate stages. Chelan fertilizers are produced from high purity raw materials in order to be applicable either by foliar sprayings or through the irrigation systems.

Fertilizing program: Watermelon - Melon

PRODUCT	DESCRIPTION	APPLICATION	DOSAGE	COMMENTS
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Post Transplant

Rhizoactive	Liquid blend of organic bioactive substances	Application after transplant	Fertigation: 1lt / 1000m ²	Root stimulation
Soil energy	Plant extract biostimulant	Repeated applications every 10-15 days	Fertigation: 1-2lt / 1000m ²	Improves nutrients absorption

Fruit set- enlargement

Chelan Zn/B	Boron-Zinc	Before blossoming	1-3 lt / 1000 lt of water	For the shaping of flowers and their pollination
Algiton	Seaweed extracts	Application after each fruit set	1-3 lt / 1000 lt of water	Increases the size of the fruit
Kinalgin	Cytokines and auxins	1-3 applications. 1st: when plants have 3-6 leaves 2nd: 2 weeks after the first. 3rd: 2 weeks after the second.	Foliar: 250 cc. / 1000m ²	Increases the size of the fruit

End rot

Chelan CaO	Calcium liquid fertilizer with nitrogen and magnesium	3-5 applications. 1st: after fruit set. Follow ups every 7-10 days	Foliar:2-3 lt / 1000 lt of water Fertigation: 1-2lt / 1000m ²	Could be used alternatively with Profi cal + Mg, Chelan CaP and Calcio N super
Profi cal +Mg	Calcium-Magnesium fertilizer in chelate form with special amino acids		Foliar:2-3 lt / 1000 lt of water	
Chelan CaP	Liquid Calcium & Phosphorus fertilizer		3-5 applications. 1st: after fruit set. Follow ups every 7-10 days	
Calcio N super	Calcium complex with Amidic nitrogen + Boron + Zinc		Foliar:2-3 lt / 1000 lt of water Fertigation: 1-2lt / 1000m ²	

PRODUCT	DESCRIPTION	APPLICATION	DOSAGE	COMMENTS
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Fruit Growth and ripening

Chelan K	Liquid fertilizer rich in potassium, in complex form with amino acids	2-3 applications. 1st: at coloring. Follow ups every 10-15 days	2-3 lt / 1000 lt of water	Improves the qualitative characteristics of fruits
Pro sugar	Poly - saccharides	2-3 applications. 1st: at coloring. Follow ups every 10-15 days	2-3 lt / 1000 lt of water	Increases sugars' level, cells durability and pre-ripening

Special Biostimulants

F-away	Potassium phosphite	2 -3 applications	Foliar: 1-2L/1000 lt of water. Fertigation: 1 -2 lt/1000m ²	Stimulates root system development, flowering and ripening
Chelan Cu	Very effective Cu fertilizer in chelate form with peptides and proteins	2 -3 applications	Foliar: 1L/1000 lt of water Fertigation: 1 -1,5 lt / 1000m ²	Stimulates plants enzymic reactions, acts on carbohydrates metabolism, participates in photosynthesis and energy production
Chelan KS	Special foliar product	2-4 applications	3-5 kg / 1000 lt of water	Assimilable potassium
Neosol	Organic soil conditioner, suitable for soil improvement and growth of healthy root system	1-3 applications	Fertigation: 1 lt / 1000m ²	The population increase of beneficial micro-organisms creates phenomenal competition with pathogenic micro-organisms of the soil, such as parasitic nematodes

Water Soluble Fertilizers Chelan sol and Chelan sol plus

Each range consists of many fertilizing combinations, all able to cover all crops necessities at all cultivate stages. Chelan fertilizers are produced from high purity raw materials in order to be applicable either by foliar sprayings or through the irrigation systems.

Fertilizing program: Kiwi

PRODUCT	DESCRIPTION	APPLICATION	DOSAGE	COMMENTS
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New vegetation

Chelan Fe	Liquid fertilizer of chelate (EDTA) iron	1-3 applications from the start of new vegetation until before flowering	1-3 lt / 1000 lt of water	To overcome iron deficiency and chlorosis
Chelan super	Liquid complete foliar fertilizer of macro and trace elements (EDTA)	1-3 applications from the start of new vegetation until before flowering	1-2 lt / 1000 lt of water	In combination with chelan Fe. To overcome complicated deficiencies

Special Biostimulants

Neosol	Organic soil conditioner, suitable for soil improvement and growth of healthy root system	1-3 applications	Fertigation: 1 lt/1000m ²	The population increase of beneficial micro-organisms creates phenomenal competition with pathogenic micro-organisms of the soil, such as parasitic nematodes
F-away	Potassium phosphite	2 -3 applications	Foliar: 250 - 300 cc / 100 lt of water. Fertigation: 1 -2 lt / 1000m ²	Stimulates root system development, flowering and ripening

Fruit set- enlargement

Kinalgin	Cytokines and auxins	2 applications. First after fruit set and second after 15-20 days	Foliar: 250 cc. / 1000m ²	Increases the size of the fruit
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After harvest

Bud storage	Special foliar fertilizer	Application after harvest and before leaf fall	Foliar: 0,5kg / 1000m ²	Improves the fruiting bud development for the next production period.
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Water Soluble Fertilizers Chelan sol and Chelan sol plus

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Notes

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Nature SA

Advanced fertilizers



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