



HORTILAND

**DUTCH QUALITY & holistic
perspective on horticulture**

FERTILISERS & SPECIAL PLANT NUTRIENTS



Greenhouse



Open field
cultivation



Fruits



Potatoes, tubers
and root crops



Vegetables



Cereals
and rice



Viniculture



Tree
cultivation



DUTCH QUALITY & holistic perspective on horticulture



Hortiland, proud of its Dutch roots, provides quality nutrition solutions, combining know-how and innovation. Alongside, Hortiland and its people, who understand the needs and contribute to the strengthening of agricultural production for 50 years now, is your reliable business partner.



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HORTILAND

HORTIgrow

Water soluble fertiliser series

- Ultra fine blended 100% watersoluble fertilisers of premium quality with micro elements for drip irrigation and foliar applications
- Ready blended types which meet the specific crop needs during all growth stages. Suitable for vegetables, fruit trees, ornamental cultures and plant nurseries.
- The basic compounds of HORTIGROW are of highest quality and are free of chlorine and any hazardous elements thus avoiding leafburn.
- HORTIGROW fertilisers can be applied together with most usual plant protection products except alkalic ones. HORTIgrow fertilisers if combined with other chemicals are always added last to the mixture.
- HORTIGROW fertilisers have a low EC (Electric Conductivity) level and therefore do not block nozzels of irrigation systems or spraying equipment.
- The microelements (Fe, Zn, Cu, Mn) are all in chelated form and assure the maximum availability of the micro elements to the plant.
- HORTIGROW fertilisers do not leave any residues on the final product.

MAIN FORMULAS OF HORTIGROW

– HORTIGROW 20-20-20+TE+AMINO

Balanced N-P-K combination 1:1:1 suitable for general use in all cultures throughout the vegetative period. HORTIGROW 20-20-20 is improving both roots, leaves and flowers.

– HORTIGROW 15-5-30+3MgO+TE+AMINO

N:K ratio 1 : 2 plus Magnesium

Special type which is used in fruit bearing crops from the stage of setting of the first flower till the harvest alternatively applied with HORTIgrow 5-5-40+2MgO and HORTIgrow 29-20-10 depending on the crop stage. Recommended for Tomato, Cucumber, Sweet melon, Watermelon, Cabbage, Eggplant, Pepper, Squash and Potato.

– HORTIGROW 5-50-20+TE+AMINO

N-P-K combination with a high content of 100% soluble top quality Phosphorus. Special type for:

- strong development of the roots
- HG 5-50-20 is enhancing the transport of natural hormones and enzymes in the plant thus improving the flowering and fruit setting of the plant.

– HORTIGROW 5-5-40+2MgO+TE+AMINO

Unique fertilizer with a high content of greenhouse grade Potassium. HORTIgrow 5-5-40+2MgO is used for:

- prevention and therapy of "blotchy ripening" of tomato during Spring.
- immediate improvement of the fruit color and fruit quality.
- increase of the shelf life of tomatoes and other vegetables
- Increase of BRIX of fruits and vegetables

– HORTIGROW 29-20-10+TE+AMINO

N-P-K- ratio 3:2:1

Fertiliser formula with a high Nitrogen contents for rich vegetation. HORTIgrow 29-20-10 gives vigorous, colorful and resistant leaves. Commonly used in all vegetable and fruit cultures and especially in cucumber, melon, watermelon and squash cultures until the start of the harvest.

HORTIGROW fertilisers contain the following trace elements:

MICRO ELEMENTS	% PERCENTAGE OF MASS
Iron (Fe EDTA)	0,030
Iron (Fe EDDHMA)	0,030
Zinc (Zn EDTA)	0,010
Manganese (Mn EDTA)	0,020
Copper (Cu EDTA)	0,010
Boron (B)	0,020
Molybdenum (Mo)	0,001
Magnesium (MgO)	0,010

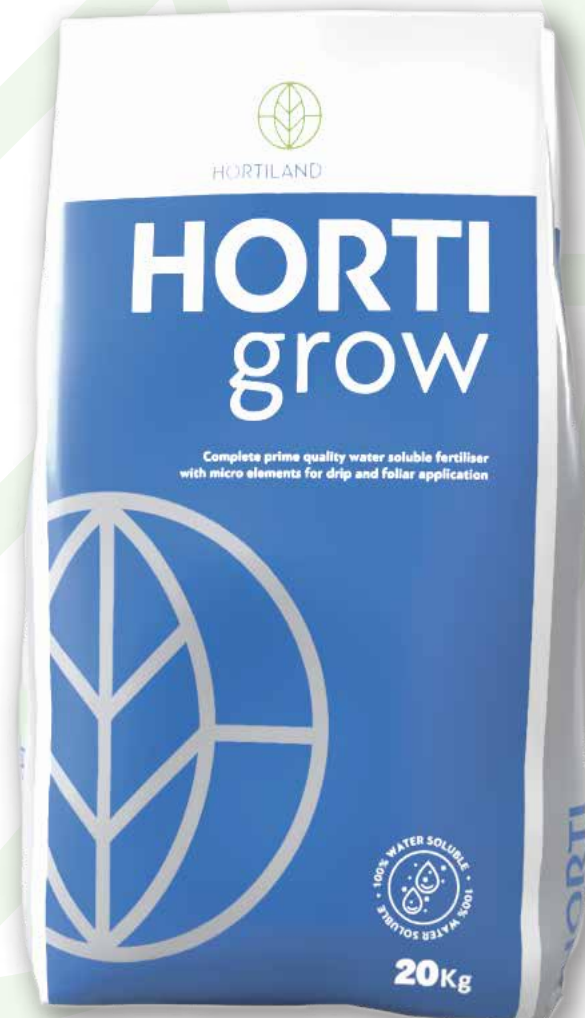
HORTIGROW fertilisers also contain 1% amino acids and Ascophyllum nodosum extract.

Contents and formulations may vary according to restrictions and regulations per country.

GENERAL DOSAGE

Fertigation: 1-4 kg / 1000 Lt water

Foliar spray: 2-3 kg/ 1000 Lt water



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COMBIfast

Water soluble fertiliser series

- 100% Watersoluble Fertilisers
- COMBIFAST is suitable for Drip Irrigation and Foliar Applications
- COMBIFAST consists of small homogenous particles which dissolve evenly and easily
- The available types meet the crop needs during all growth stages
- The basic components of COMBIFAST are of high quality and free of chlorine and other hazardous elements
- COMBIFAST fertilisers can be applied with all usual plant protection products
- Due to the 100% water solubility, COMBIFAST fertilisers do not block the nozzles of the irrigation systems or spraying equipment.
- The microelements (Fe, Zn, Mn, Cu) are in chelated form
- When applied by foliar application no stains or residues remain on the fruits or leaves

MAIN FORMULAS OF COMBIFAST

COMBIFAST 20-20-20-TE

COMBIFAST 18-18-18+ 2MgO+TE

COMBIFAST 15-30-15-TE

COMBIFAST 12-5-24+ 2MgO+TE

COMBIFAST 22-8-22-TE

COMBIFAST 18-9-27-TE

COMBIFAST 30-10-10-TE

COMBIFAST 22-0-20-+10CaO+TE

COMBIFAST fertilisers contain the following trace elements:

MICRO ELEMENTS	% PERCENTAGE OF MASS
Iron (Fe EDTA)	0,030
Zinc (Zn EDTA)	0,020
Manganese (Mn EDTA)	0,020
Copper (Cu EDTA)	0,010
Boron (B)	0,020
Molybdenum (Mo)	0,001

Contents and formulations may vary according to restrictions and regulations per country.

GENERAL DOSAGE

Fertigation: 1-4 kg / 1000 Lt water

Foliar spray: 2-3 kg/ 1000 Lt water



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Solvita

Water soluble fertiliser series

- 100% Watersoluble Fertilisers
- Soluvita is suitable for Drip Irrigation and Foliar Applications
- Soluvita consists of small homogenous particles which dissolve evenly and easily
- The available types meet the crop needs during all growth stages
- Soluvita fertilisers can be applied with all usual plant protection products
- Due to the 100% water solubility, Soluvita fertilisers do not block the nozzles of the irrigation systems or spraying equipment
- The microelements (Fe, Zn, Mn, Cu) are in chelated form
- When applied by foliar application no stains or residues remain on the fruits or leaves

MAIN FORMULAS OF SOLUVITA

SOLUVITA 19-19-19-TE

SOLUVITA 30-10-10+TE

SOLUVITA 12-6-36-TE

SOLUVITA 12-32-12+TE

Τα λιπάσματα SOLUVITA περιέχουν τα παρακάτω ιχνοστοιχεία:

MICRO ELEMENTS	% PERCENTAGE OF MASS
Iron (Fe EDTA)	0,030
Zinc (Zn EDTA)	0,020
Manganese (Mn EDTA)	0,020
Copper (Cu EDTA)	0,010
Boron (B)	0,020
Molybdenum (Mo)	0,001

Contents and formulations may vary according to restrictions and regulations per country.

GENERAL DOSAGE

Fertigation: 1-4 kg / 1000 Lt water

Foliar spray: 2-3 kg/ 1000 Lt water



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N-extra

Special plant nutrition product

- N-extra 30-5-5+TE Special Plant Nutrition Product

- N-extra 30-5-5+TE is especially formulated for foliar application
- N-extra controls any type of chlorosis directly and effectively
- N-extra 30-5-5+TE contains a high percentage of microelements (e.g. Fe EDTA 0,77% and Fe EDDHMA 0,18%)
- Applications with N-extra 30-5-5+TE will improve the leaf color immediately and at higher doses new vegetative growth is initiated
- N-extra is especially effective in plant nurseries at young plants and at plants which have just been transplanted, without causing leaf burn even at a higher dose

N-extra 30-5-5+TE is a unique and effective plant nutrition product which contains 30% technical UREA - low biuret - and a high percentage of microelements.

N-extra strongly improves the effectivity of plant protection products due to their better absorption.

N-extra is a unique product for application in vegetables, fruit trees, olive trees, ornamental crops and young plant nurseries due to its fast results.

GENERAL DOSAGE:

Foliar spray: 2 - 4 kg / 1000 Lt water

When is it applied?: Whenever the plants have an immediate need of extra nutrition.

Repeat every 7 days till plants have recovered and are looking strong and healthy again.

Spray with the low dose for therapy of chlorosis and various other deficiencies (Fe, Zn, Mn, Cu, Mo, Mg) and for immediate improvement of the leaf color.

Spray with the high dose for therapy of chlorosis and various deficiencies and in order to enhance vegetative growth (new foliage).

- N-extra Bor 25-5-5 + 2% Boron + TE

Before and after the flowering of the olive trees, there is an increased need for boron. N-extra 25-5-5 + 2% B provides the plant with high quality Boron which can easily be absorbed by the foliage of the olive tree.

GENERAL DOSAGE:

Foliar spray: 2 - 4 kg / 1000 Lt water

Growth stage: Before and after flowering

N-extra contains the following micro elements:

MICRO ELEMENTS	% PERCENTAGE OF MASS
Iron (Fe EDTA)	0,770
Iron (Fe EDDHMA)	0,180
Zinc (Zn EDTA)	0,500
Manganese (Mn EDTA)	0,500
Copper (Cu EDTA)	0,500
Boron (B)	0,500
Molybdenum (Mo)	0,075
Magnesium (MgO)	1,000

Contents and formulations may vary according to restrictions and regulations per country.



FERTIflex

Liquid N-P-K fertilisers series

The liquid NPK FERTI FLEX fertilizers are rich in nutrients and based on the highest quality raw materials available, with excellent solubility. The main raw materials have a high nutrient content and minimal unwanted salts such as sulphates. The products are free from chlorine and sodium. In the FERTI FLEX types that contain urea, the urea used is of low biuret content and excellent quality. The EDTA trace elements are 100% chelated and therefore 100% available to plants.

- High-quality liquid NPK fertilizers
- Made from premium raw materials, resulting in high nutrient concentration without crystallization of the liquid
- All formulations are suitable for foliar spraying and fertigation (drip irrigation), even in high-tech hydroponic systems
- The available formulas meet the nutritional requirements of plants throughout the different growth stages of the crop

FERTI FLEX fertilizers can be applied to vegetables, fruit trees, vineyards, nurseries, ornamentals, lawns, etc.

They contain a complete range of trace elements (Boron, Copper, Iron, Manganese, Molybdenum, Zinc).

Contents and formulations may vary according to restrictions and regulations per country.

GENERAL DOSAGE:

Fertigation: 3-5 Lt / 1000 Lt water

Foliar application: 5-10 Lt / 1000 Lt water

MAIN FORMULAS OF FERTI FLEX

FERTI FLEX 13-13-13+TE

FERTI FLEX 7-7-7+TE

FERTI FLEX 4-16-27+TE

FERTI FLEX 35-0-0+2MgO+TE

FERTI FLEX 7-0-20+TE



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EXEL WINTERMIX

Special nutrition products – biostimulants – humic formulations

EXEL is a concentrated solution of humic and fulvic acids, rich in organic matter derived from leonardite, and possesses unique characteristics. It is mainly applied to the soil.

- The humic and fulvic acids in EXEL improve soil structure and create favorable conditions for root system development.
- Its application releases bound soil nutrients, making them easily available for root absorption.
- EXEL can be applied throughout the year.
- Especially recommended for use in low-temperature conditions, abiotic stress, and saline soils.

GENERAL DOSAGE: 1-3 Lt / 1000 m²



WINTERMIX is an organic nutrition product that offers an effective solution to problems that plants face during winter and early spring. When temperatures are low, roots struggle to absorb nutrients from the soil.

WINTERMIX facilitates the absorption of these bound nutrients thanks to its high content of amino acids and organic matter. That's why WINTERMIX strengthens plants quickly and effectively, ensuring the best possible growth during stress periods. It promotes a rich root system, resulting in higher yield and improved quality.

COMPOSITION: Organic matter 7.5%, derived from *Ascophyllum nodosum* seaweed extract, humic acids, fulvic acids (from leonardite), and amino acids

GENERAL DOSAGE:
Fertigation: 2-4 L / 1000 m²
Foliar spray: 2-4 Lt / 1000 Lt water

VITAFree

Special nutrition products – biostimulants – humic formulations

VITAFREE is a special plant nutrition product and biostimulant that contains amino acids, trace elements, and betaines. The amino acids and betaines are derived from concentrated seaweed extract (*Ascophyllum nodosum*).

- Applied to plants to regulate and enhance their physiological processes.
- Improves plant resistance, yield, and fruit/flower quality.
- Boosts vital plant functions and increases the effectiveness of fertilization and crop protection.
- Promotes chlorophyll biosynthesis and increases photosynthesis.
- Enhances root system development, root volume, and lateral root growth.
- Improves nutrient absorption and reduces soil-related issues.
- Increases tolerance to adverse conditions (e.g., frost, phytotoxicity).
- Accelerates flowering and fruit set, increasing yield in vegetables, fruit trees, and greenhouse crops.
- Improves fruit size, weight, and market quality.
- Seaweed extracts improve soil health, moisture retention, and microbial activity.
- Releases nutrients bound in the soil (due to pH or low temperature).
- Enhances fruit color, taste, and size.

VITAFREE can be mixed with all commonly used nutrition products.

Dissolve in water before application.

GENERAL DOSAGE:

Fertigation: 250g / 1000 Lt water

Foliar spray: 250g / 500 Lt water

Contents and formulations may vary according to restrictions and regulations per country.

VITAFREE INGREDIENTS

Amino acids

Trace elements

Natural hormones (cytokinins, IAA, ABA)

Organic matter



PROamino

Special nutrition products – biostimulants – humic formulations

PROAMINO is a natural product obtained through the low-temperature processing of the Norwegian seaweed *Ascophyllum nodosum*. Its production process preserves the natural compounds that enhance the physiological activities of plants.

- Contains free amino acids, proteins, vitamins, and natural hormones (ABA, IAA, cytokinins).
- Stimulates the physiological processes of protein, amino acid, and sugar synthesis in plant tissues.
- Promotes the development of the root system.
- Enhances flowering.
- Increases yield.
- Improves specific quality characteristics, such as fruit color and size.
- Extends post-harvest shelf life of fruits.
- Helps plants overcome stress conditions.
- Promotes the growth of beneficial microorganisms in the rhizosphere.

PROAMINO COMPOSITION

Dry matter: 18% w/v (*Ascophyllum nodosum* extract)
Proteins: 1.1% w/v
Alginic acid: 3.5% w/v
Mannitol: 1.0% w/v
Cytokinins: 38 ppm
ABA: 27 ppm
IAA: 60 ppm
Amino acids: glutamic acid, aspartic acid, arginine, alanine, glycine, leucine, etc.

PROAMINO can be mixed with commonly used crop protection products, enhancing their effectiveness.

It is compatible with copper-based formulations, as well as with other foliar and water-soluble fertilizers.

GENERAL DOSAGE:

Fertigation: 1 kg / 1000 Lt water

Foliar spray: 1-3 kg / 1000 Lt water



Contents and formulations may vary according to restrictions and regulations per country.



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MACRO / MICROELEMENTS

Macroelements, Microelements & Blends

- HORTI-FERRUM 6% WP

100% water-soluble iron (Fe) in powder form, easily absorbed even in high-pH soils.
A special formulation for the rapid treatment and prevention of iron deficiencies.

HORTI-FERRUM COMPOSITION

Total Iron (Fe): 6%
6% as water-soluble chelated complex with EDDHA
4.8% as o-o EDDHA chelated complex

GENERAL DOSAGE:

Ornamentals (shrubs, roses, gardenias, magnolias, hydrangeas, azaleas):
5–25 g per plant
Fruit trees (citrus, apple, apricot, peach, olive): 25–200 g per tree,
depending on size and needs
Vineyards: 500–1.000 g / 1.000 m²

- HORTI-CAL 12%CaO

Foliar calcium fertilizer — an effective product for the treatment and prevention of calcium deficiencies.

HORTI-CAL COMPOSITION

Calcium (CaO): 12%
Boron (B): 0.1%

GENERAL DOSAGE:

2–3 Lt / 1000 Lt water
Repeat sprays 3 to 4 times during the growing period.

Contents and formulations may vary according to restrictions and regulations per country.



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MACRO / MICROELEMENTS

Macroelements, Microelements & Blends

- HORTI-BOR 8% B LS

A fast-acting product for the treatment of boron deficiency through foliar application.

GENERAL DOSAGE:

1-2 liters / 1.000 Lt water

Apply before and after flowering, as well as in nurseries and young plants.

- HORTI-MAG 12% MgO LS

A concentrated magnesium fertilizer, specially designed for the treatment of magnesium deficiencies in vegetables and tree crops.

GENERAL DOSAGE:

1-3 Lt / 1.000 Lt water

- HORTI-ZINC 5% Zn LS

Used for the prevention and treatment of zinc deficiency. Suitable for both foliar sprays and drip irrigation systems.

GENERAL DOSAGE:

1-3 Lt / 1.000 Lt water



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HORTImicro

Trace Element Mixtures

- HORTI-MICRO 1 WP

An ultra-fine, 100% water-soluble mixture of trace elements.

HORTI-MICRO 1 COMPOSITION

Iron Fe EDTA:	2,95%
Iron Fe EDDHMA:	1,10%
Zinc Zn EDTA:	3,00%
Manganese Mn EDTA:	2,20%
Copper Cu EDTA:	1,00%
Boron (B):	1,50%
Molybdenum (Mo):	0,05%

Application: Mainly through drip irrigation, but can also be applied by foliar spraying.

GENERAL DOSAGE:

500–700 g / 1.000 Lt water or / 1.000 m²
Apply before flowering and during fruit set.

- HORTI-MICRO 2 WP

A special mixture of trace elements designed for the control and correction of nutrient deficiencies.

HORTI-MICRO 2 COMPOSITION

Iron Fe EDTA:	7,00%
Zinc Zn EDTA:	1,70%
Manganese Mn EDTA:	3,00%
Copper Cu EDTA:	0,25%
Boron (B):	0,25%
Molybdenum (Mo):	0,35%

Application: Mainly foliar, but also suitable for drip irrigation.

GENERAL DOSAGE:

500–700 g / 1.000 Lt water or / 1.000 m²
Apply when deficiency occurs or is expected.

- HORTI-MICRO 3 WP

A special product for the prevention and treatment of multiple nutrient deficiencies.

HORTI-MICRO 3 COMPOSITION

Iron Fe EDTA:	2,95%
Zinc Zn EDTA:	1,50%
Manganese Mn EDTA:	3,10%
Copper Cu EDTA:	1,50%
Boron (B):	0,50%
Secondary element: Magnesium (MgO)	4,50%

Application: Mainly foliar, but can also be applied by drip irrigation.

GENERAL DOSAGE:

500–700 g / 1.000 Lt water or / 1.000 m²
Apply when deficiency occurs or is expected.

Contents and formulations may vary according to restrictions and regulations per country.



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HORTIcolor

Polysaccharides

HORTI-COLOR is a concentrated polysaccharide-based product designed to improve fruit color and increase BRIX levels (sugars).

It is an effective nutritional product that enhances the taste, aroma, and appearance of fruits.

HORTI-COLOR promotes earlier harvests and extends the post-harvest storage life of fruits.

- Immediate increase in BRIX levels
- Improvement of taste, color, and aroma of fruits
- Enhances microbiological activity in the rhizosphere, improving root development and nutrient absorption
- Promotes earlier production
- Extends fruit storage and shelf life

INGREDIENTS

25% Organic matter
Monosaccharides
Polysaccharides
Enzymes
Organic acids
Amino acids

HORTI-COLOR can be combined with other foliar and water-soluble fertilizers.

GENERAL DOSAGE:

Fertigation: 1-2 Lt / 1.000 m²

Foliar spray: 2-3 Lt / 1.000 Lt water

Apply from the first fruit set until the end of harvest.



Contents and formulations may vary according to restrictions and regulations per country.



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Organic
Fertilizer

Nature's Choice 4-3-3



HORTILAND



Nature's Choice 4-3-3 organic fertilizer



Fruits



Potatoes, tubers
and root crops



Vegetables



Viniculture



Tree
cultivation

Nature's Choice 4-3-3 is a well-known 100% organic, ecologic and hygienic fertilizer pellet. The organic material in this excellent, all-round plant fertilizer contains mostly humic acid structures, which benefit the soil in facilitating its nutrient availability. The humic acids gradually release the present minerals and therefore, minerals become more available for absorption by the roots of the plant. The use of this Organic Fertilizer considerably reduces the need of chemical fertilizers, which has a positive effect on the biodiversity and natural environment.

Benefits

- Increases microbiological activity in the soil
- Improves soil structure
- Provides long time availability of nutrients
- Ensures high nutrient uptake efficiency and reduces leaching
- Enhances the availability of present nutrients in the soil
- Contains a significant amount of trace elements
- Organic carbon and nutrients improve crop quality

General application advice

- Apply one week before planting and mix with the topsoil
- If pre-plant application is not possible, apply before rainfall or irrigate after application
- For trees: spread the fertilizer around the root area and, if possible, mix it lightly into the soil
- Spread applications if necessary

Application

Nature's Choice 4-3-3 is an easy to use allround Organic Fertilizer with proven results. The content of the stable organic material is combined with a relatively high N-P-K content. This fertilizer is easy to apply in the field: the pellets can be spread over the land using a fertilizer spreader or by hand. The application of this fertilizer results in an increased yield, increased crop quality and healthier plants.

the natural way of growing!

Average composition Nature's Choice

Dry Matter	88%-90%
Moisture	10%-12%
Organic matter(minimum)	65%
Humic and Fulvic acids	20%
Nitrogen (total)	4,2%
Nitrogen (organic)	3,5%
Nitrogen (ammonium)	0,7%
Phosphorus(P ₂ O ₅)	3,0%
Potassium (K ₂ O)	2,8%
Calcium (CaO)	9,0%
Magnesium (MgO)	1,0%

Sulphur (SO ₄)	1.5%
Iron (Fe)	1000mg/kg
Manganese (Mn)	480mg/kg
Zinc (Zn)	400mg/kg
Copper (Cu)	100mg/kg
Boron (B)	40mg/kg
Cobalt (Co)	2mg/kg
C/N	9
pH(10% solutions)	6.4
Pellet diameter	5-6 mm / 3 mm (crumb)
Density	700kg/m ³

Recommended quantities Nature's Choice 4-3-3

Plant / Crop	per hectare	per 100m ²
Potatoes	750 - 1000 kg	7,5 - 10 kg
Carrots	1000 - 1250 kg	10 - 12,5 kg
Asparagus	1500 - 2000 kg	15 - 20 kg
Ground nuts	1000 - 1500 kg	10 - 15 kg
Onions	750 - 1500 kg	7,5 - 15 kg
Legumes	750 - 1250 kg	7,5 - 12,5 kg
Tomatoes	1000 - 1500 kg	10 - 15 kg
Cucumbers	1000 - 1500 kg	10 - 15 kg
Eggplants	1000 - 1500 kg	10 - 15 kg
Leeks	1000 - 1250 kg	10 - 12,5 kg
Lettuces	1000 - 1250 kg	10 - 12,5 kg
Cabbages	1000 - 1250 kg	10 - 12,5 kg
Melons	1250 - 1500 kg	12,5 - 15 kg
(Straw)berries	1000 - 3000 kg	10 - 30 kg
Pineapples	2000 - 3000 kg	20 - 30 kg
Peppers	1000 - 1500 kg	10 - 15 kg
Tobacco-plants	750 - 1500 kg	7,5 - 15 kg
Flowers / Roses	1000 - 3000 kg	10 - 30 kg
Chrysanthemums	500 - 1500 kg	5 - 15 kg
Lawns / Sports fields	1000 - 1500 kg	10 - 15 kg

Field	per hectare	per100m ²
Cereals	30 - 50 kg	3 - 5 kg
Wheatsp	30 - 50 kg	3 - 5 kg
Rapeseeds	30 - 50 kg	3 - 5 kg
Maiz	40 - 75 kg	4 - 7,5 kg
Sunflowers	40 - 75 kg	4 - 7,5 kg
Rice	30 - 50 kg	3 - 5 kg
Cotton	100 - 150 kg	10 - 15 kg
Sugarbeets	120 - 150 kg	12 - 15 kg
Soybeans	150 - 200 kg	15 - 20 kg
Sorghum	150 - 250 kg	15 - 25 kg

Tree / Shrub	per hectare / tree
Olives	2 - 5 kg/tree/year
Citrus	2 - 4 kg/tree/year
Grapes / Vineyard	0.3 - 0.5 kg/tree/year
Apples / Pears / plums	2 - 5 kg/tree/year
Pistachios	3 kg/tree/year
Papayas	1000 - 2000 kg/year
Mangos	750 - 1500 kg/year
Bananas	1500 - 3000 kg/year

Above figures are an indication. The dosage depends on local soil & weather conditions.

Recommended rates are for full production tree/shrub/plant. For tree/shrub/plant in development stage or without production, rates can be lowered.

Above rates are advised on a complementary based fertilization. In most of the times extra nutrients should be applied depending on soil analysis or crop stage





Liquid
Organic
Fertilizer

Nature's Choice Liquid 3-2-7



HORTILAND



Nature's Choice Liquid 3-2-7 +15% Amino Acids



Fruits



Potatoes, tubers
and root crops



Vegetables



Cereals
and rice

Nature's Choice Liquid 3-2-7 can be applied to all types of crops and is best used before flowering until the end of the reproduction cycle of the plant. The fertilizer can be used in a quick application to compensate for plant deficiency symptoms and increase drought tolerance. In both circumstances Nature's Choice Liquid 3-2-7 is a very effective addition. The product contains macro and micro elements, as well as L-amino acids, humic and fulvic-acids. It can be used through flood irrigation and drip irrigation but the most effective way to apply this fertilizer is foliar application.

Nature's Choice Liquid 3-2-7 performs best before flowering until the end of the plants reproductive cycle due to the high levels of potassium, which is also known as "quality" nutrient. In crops, potassium highly influences the crop's shape, size, color, taste and quality of yield. For example, in potatoes, potassium can limit bruises after harvest, in berries it results in sweeter berries and in citrus it increases fruit size and soluble solid content.

Benefits

- Fertilizer and biostimulant in one product
- No leaching of precious minerals
- Fast available nutrients when foliar applied
- Increases resistance to stress after cutting
- Improves drought resistance
- Optimal nutrient supply
- Stimulates generative crop growth

Advice

It is advisable to use this fertilizer to compensate crop's deficiency symptoms, increase drought tolerance and improve quality and yield.

- Before flowering and fruiting
- In moments of drought
- To quickly compensate for potassium deficiency symptoms at low soil potassium

Application

Foliar application of Nature's Choice Liquid 3-2-7 has the fastest effect on the crop. This is ideal to compensate for nutrient deficiencies, within a few days recovery of the plant will be visible due to fast absorption of the nutrients by the leaves. Foliar application also increases the availability of several micro nutrients such as Iron. In the soil this mineral is often trapped in soil particles, when foliarly applied it is directly available to the plant. This is the big advantage of the trace elements in this product.

the natural way of growing!

Aminogram Nature's Choice 3-2-7 +15% Amino Acids (6% L-amino acids)

Alanine	4,5	Leucine	<0,5
Arginine	3,6	Lysine	1,4
Aspartic acid	14,4	Methionine	<0,5
Cystine	<0,5	Phenylalanine	0,6
Glutamine	22,3	Proline	3,9
Glycine	<0,5	Serine	1,2
Histidine	0,8	Taurine	2,9
Hydroxyproline	<0,5	Tyrosine	1,3
Isoleucine	0,9	Valine	1,5

* Plant absorbable L-Amino Acids

** Unit: g/kg

Guaranteed analysis Nature's Choice 3-2-7 +15% Amino Acids (6% L-amino acids)

Nitrogen (N total)	3,1%
Phosphorus (P ₂ O ₅)	1,6%
Potassium (K ₂ O)	6,9%
Total Amino Acids	15%
Plant absorbable L-Amino Acids	6%
Organic Matter	35,9%
pH	5,5-6,5
Magnesium (MgO)	0,5%
Calcium (Ca)	0,2%
Sulfur (SO ₃)	2,3%
Trace elements	Fe, Zn, B, Mn, Cu, Mo

* Organic origin, this can cause a deviation up to 15%

Application advice

Crop	Application rate	Application time	Biological effect
Vegetables & berries	Foliar: 3-5 L/ha Drip: 5-10 L/ha	Apply weekly from fruit set until two weeks to harvest	Increase fruit size, quality and shelf life.
Potatoes	Foliar: 3-5 L/ha Drip: 5-10 L/ha	At low soil potassium every two weeks. At tuber setv	Improve water management, transporting sugars from the leaves to the tubers. Improve tuber size.
Forage	Foliar: 2-4 L/ha	Every 3-4 weeks at low soil potassium	Increased nutritional values.
Cereals and rice	Foliar: 2-4 L/ha	Production phase, after flowering or during the season at low K content of the soil. Effective at abiotic stress (i.e. heat, drought)	Increased resistance for abiotic stress, better functioning of the stomata, better quality of the grains.
Fruits	Foliar: 3-5 L/ha Drip: 5-10 L/ha	Until 3 weeks before harvest and after harvest.	Filling of fruits and better fruit quality. Improve drought resistance during fruiting period.
Ornamental plants	Foliar: 3-5 L/ha Drip: 5-10 L/ha	Every 7 days at generative crop stage. At low soil potassium	Increased sturdiness and improved leaf and flower color.
Seedlings	Foliar: 1-2 L/ha Drip: 1-2 L/ha	Every 14 days until transplanting	Healthier plants and better root development. Stress reduction
Grapes	Foliar: 3-5 L/ha Drip: 5-10 L/ha	Apply every two weeks from fruit set until two weeks to harvest.	Improve grape size, color, uniformity and sugar content.
Abiotic stress relieve	Foliar: 3-5 L/ha* *Combine with Fulvic+	Apply just before heat/drought periods, or any other abiotic stress cause. Repeat every 7 days until end of stress period.	Increase abiotic stress tolerance, by improving water management and functioning of stomata.
All crops	Foliar 1-2 L/ha	Add to plant protection products	Reduce negative effects of plant protection products on the crop.

* Minimal dilution 1:20

** The exact dosage depends on local soil & weather conditions



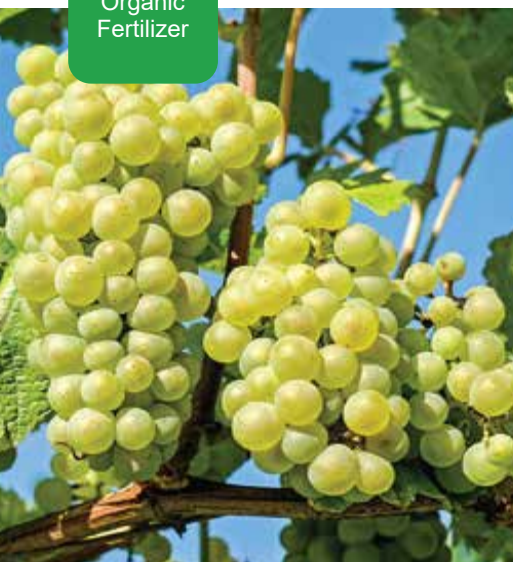


Liquid
Organic
Fertilizer

Nature's Choice Liquid 5-2-4



HORTILAND



Nature's Choice Liquid 5-2-4 +18% Amino Acids



Fruits



Potatoes, tubers
and root crops



Vegetables



Cereals
and rice

Nature's Choice Liquid 5-2-4 can be applied to all types of crops during the entire growth cycle of the crop. This product will provide the crop with all nutrient needs and prevent general nutrient deficiency symptoms.

It contains macro and micro elements, as well as amino and humic acids. It can be applied through flood irrigation and drip irrigation but the most effective way to apply this fertilizer is foliar application.

The composition of this liquid fertilizer has been developed in a way that it is not necessary to change to another liquid formulation until the end of your crop cycle. There is enough nitrogen in this fertilizer so your crop will grow to mature size and there is potassium for good fruit setting.

Benefits

- Fertilizer and biostimulant in one product
- Total package of micro-nutrients
- Less leaching of precious minerals
- Fast available nutrients when foliarly applied
- General product for the entire cycle
- Increased resistance to any stress
- Quick recovery fruit trees after harvesting

Advice

It is advisable to use it from planting to harvest.

- Cutting the intervals between applications increases vegetative growth
- Nature's Choice Liquid 5-2-4 to your fertilizing plan between flowering and ripening induces fruit fattening

Application

Foliar application of Nature's Choice Liquid 5-2-4 has the fastest effect on the crop. When you apply this fertilizer to correct nutrient deficiencies, the crop shows recovery within a few days. This liquid fertilizer contains free amino acids which speeds up absorption of the nutrients and trace elements such as iron and zinc by the leaves. In the soil these minerals are often trapped and not available for the plant.

Nature's Choice Liquid 5-2-4 can also be applied through drip irrigation and it will not block inline filters. Liquid nutrient delivery by drip irrigation increases nutrient uptake efficiency. The nutrients are directly available in the active root zone of the plants and can be quickly absorbed by the plant. Providing plants with the nutrients of Nature's Choice 5-2-4 will increase the plants performance and yield. Apply product within 4-6 hours after preparation. Clean the spraying tank before and after application when foliarly applied. It is compatible with most commonly used fertilizers and plant protection products, however do not mix with copper fertilizers, sulphur based products, alkaline products or oil based products.

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Aminogram Nature's Choice 5-2-4 +18% Amino Acids (9% L-Amino Acids)

Alanine	7,1	Λευκίνη	<0,5
Arginine	3,1	Λυσίνη	1,2
Aspartic acid	16,9	Μεθιονίνη	<0,5
Cystine	<0,5	Φαινυλαλανίνη	<0,5
Glutamine	44,6	Προλίνη	1,2
Glycine	<0,5	Σερίνη	1,2
Histidine	0,7	Ταυρίνη	0,9
Hydroxyproline	<0,5	Τυροσίνη	1,4
Isoleucine	1,2	Βολίνη	1,4

* Plant absorbable L-Amino Acids

** Unit: g/kg

Guaranteed analysis Nature's Choice 5-2-4 +18 Amino Acids (9% L-Amino Acids)

Nitrogen (N total)	5,2%
Phosphorus (P ₂ O ₅)	2,3%
Potassium (K ₂ O)	5%
Total Amino Acids	18%
Plant absorbable L-Amino Acids	9%
Organic Matter	45,5%
pH	5,5-6,5
Magnesium (MgO)	0,4%
Calcium (Ca)	0,2%
Sulfur (SO ₃)	3,4%
Trace elements	Fe, Zn, B, Mn, Cu, Mo

* Organic origin, this can cause a deviation up to 15%

Application advice

Crop	Application rate	Application time	Biological effect
Vegetables & berries	Foliar: 3-5 L/ha Drip: 5-10 L/ha	Just after planting the seedlings, again after 7 days and then repeat every 15-20 days.	Increased flowering and fruit setting and a more uniform crop in early production.
Potatoes	Foliar: 3-5 L/ha Drip: 5-10 L/ha	Start when the plants are approx. 15 cm high and repeat every 20-25 days.	Increased productivity and a more even tuber size.
Forage	Foliar: 2-4 L/ha	Every 3-4 weeks.	Shorter growth cycles, root recovery and increased
Cereals and rice	Foliar: 2-4 L/ha	During important growth stages, i.e. booting, flower set, before/during stress moments.	Increased resistance for abiotic stress, better functioning of the stomata and increased effectiveness of pesticides.
Fruits	Foliar: 3-5 L/ha Drip: 5-10 L/ha	Every 15-20 days, after leaves appear.	Increased flower setting, fruit calibre and weight and an improved absorption of deficiency correctors.
Ornamental plants	Foliar: 3-5 L/ha Drip: 5-10 L/ha	Every 14 days.	Increased sturdiness and improved leaf and flower color.
Seedlings	Foliar and drip: 2 L/ha	Every 14 days until transplanting	Healthier plants and better root development.
Grapes	Foliar: 3-5 L/ha Drip: 5-10 L/ha	Apply after leaves appear, after flowering and at the beginning of fruit growth.	Increased fruit setting and improved grape colour, fruit uniformity and higher sugar content.
Abiotic stress relieve	Foliar: 3-5 L/ha* *Combine with 1-3 L/ha Fulvic+	Apply at any abiotic stress cause. Repeat every 7 days until end until end of stress period.	Increasing stress tolerance due to amino acids.
All crops	Foliar 1-2 L/ha	Add to plant protection products.	Reduce negative effects of plant protection products on the crop.

* Minimal dilution 1:20

** The exact dosage depends on local soil & weather conditions





Liquid
Organic
Fertilizer

Nature's Choice Liquid 7-2-2



HORTILAND



Nature's Choice Liquid 7-2-2 +21% Amino Acids



Fruits



Potatoes, tubers
and root crops



Vegetables



Cereals
and rice

Nature's Choice Liquid 7-2-2 can be applied to all types of crops, it is extremely effective for plants during fast vegetative growth. Nature's Choice Liquid 7-2-2 contains a sophisticated combination of fast and slow release in nitrogen. This makes the liquid fertilizer able to stimulate the plants health and soil life for more than three weeks. The product contains macro and micro elements, as well as amino and humic acids. It can be applied through flood irrigation and drip irrigation but the most effective way to apply this fertilizer is foliar application.

Nature's Choice Liquid 7-2-2 performs best when applied at the beginning or during crucial moments in the crop growth cycle. In periods when the plant requires high levels of nitrogen, this fertilizer is the best choice to provide the plant some extra energy and boost the plant's growth. This product contains 13% free amino acids - which are easily absorbed by the plant and used as a nitrogen source. Amino acids are easily available and in contrast with inorganic N (NO_3) these amino acids can directly be used by the plant as building blocks for proteins.

Benefits

- Fertilizer and biostimulant in one product
- Provides quick nitrogen effect by foliar application
- Less leaching of precious minerals
- Fast available nutrients when foliarly applied
- Improves soil life
- Increased resistance and recovery to abiotic stress

Application

Foliar application of Nature's Choice Liquid 7-2-2 has the fastest effect on the crop. The nitrogen is easily absorbed by the leaves and the trace minerals are also immediately available to the plant. This effect strengthens the plant. In the soil these minerals could be trapped and made inactive by soil particles, however, when foliarly applied they are directly available to the plant during key growth periods. This liquid fertilizer can also be applied through drip irrigation and it will not block inline filters. Providing plants with nutrients through drip irrigation will increase the plants performance and yield. Nutrient delivery by drip irrigation increase nutrient uptake efficiency (compared to solid fertilizer). Nutrients are directly available in the active root zone of the plants and quickly absorbed by the plant. This limits leaching of mobile nutrients like N and K but also enhances availability of less mobile nutrients like P. The nitrogen in this fertilizer contains fast available N and slower released N making it useful for a longer period in the soil both feeding the plant and essential soil organisms. Apply product within 4-6 hours after preparation. Clean the spraying tank before and after application when foliarly applied. It is compatible with most commonly used fertilizers and plant protection products, however do not mix with copper fertilizers, sulphur based products, alkaline products or oil based products.

Advice

It is advisable to use it in periods when the crop needs a boost, such as:

- At the beginning of the growth phase
- During periods of abiotic stress
- During crucial moments in the growth cycle
- Stimulates vegetative growth without weakening the plants

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Aminogram Nature's Choice 7-2-2 Amino Acids (13% L-Amino Acids)			
Alanine	15,4	Leucine	<0,5
Arginine	1	Lysine	0,7
Aspartic acid	22,9	Methionine	<0,5
Cystine	<0,5	Phenylalanine	<0,5
Glutamine	50	Proline	29,7
Glycine	0,7	Serine	0,9
Histidine	<0,5	Taurine	0,7
Hydroxyproline	<0,5	Tyrosine	0,5
Isoleucine	1,1	Valine	1,1

* Plant absorbable L-Amino Acids

** Unit: g/kg

Guaranteed analysis Nature's Choice 7-2-2 +21 Amino Acids (13% L-Amino Acids)	
Nitrogen (N total)	6,8%
Phosphorus (P ₂ O ₅)	2,2%
Potassium (K ₂ O)	2%
Total Amino Acids	21%
Plant absorbable L-Amino Acids	13%
Organic Matter	50,9%
pH	5,5-6,0
Magnesium (MgO)	0,2%
Calcium (Ca)	0,2%
Sulfur (SO ₃)	4,3%
Trace elements	Fe, Zn, B, Mn, Cu, Mo

* Organic origin, this can cause a deviation up to 15%

Application advice

Crop	Application rate	Application time	Biological effect
Vegetables & berries	Foliar: 3-5 L/ha Drip: 5-10 L/ha	Just after planting the seedlings, again after 7 days and then repeat every 15-20 days prior to flowering.	Increased flowering and fruit setting and a more uniform crop in early production.
Potatoes	Foliar: 3-5 L/ha Drip: 5-10 L/ha	Start when the plants are approx. 15 cm high and repeat every 20-25 days.	Increased productivity and a more even tuber size.
Forage	Foliar: 2-4 L/ha	Every 3-4 weeks.	Shorter growth cycles, root recovery and increased biomass.
Cereals and rice	Foliar: 2-4 L/ha	During important growth stages, i.e. booting, flower set, before/during stress moments.	Increased resistance for abiotic stress, better functioning of the stomata and increased effectiveness of pesticides.
Fruits	Foliar: 3-5 L/ha Drip: 5-10 L/ha	Every 15-20 days, starting before flower setting.	Increased flower setting, fruit calibre and weight and an improved absorption of deficiency correctors.
Ornamental plants	Foliar: 3-5 L/ha Drip: 5-10 L/ha	Every 14 days.	Increased sturdiness and improved leaf and flower color.
Seedlings	Foliar and drip: 2 L/ha	Every 14 days until transplanting.	Healthier plants and better root development.
Grapes	Foliar: 3-5 L/ha Drip: 5-10 L/ha	Apply during flowering, after flowering and at the beginning of fruit growth.	Boost vegetative crop growth without weakening the plants. Improved leaf and flower color, fruit uniformity and sugar content.
Abiotic stress relieve	Foliar: 3-5 L/ha* *Combine with 1-3 L/ha Fulvic+	Apply at any abiotic stress cause. Repeat every 7 days until end of stress period.	Increasing stress tolerance due to amino acids.
All crops	Foliar 1-2 L/ha	Add to plant protection products.	Reduce negative effects of plant protection products on the crop.

* Minimal dilution 1:20

** The exact dosage depends on local soil & weather conditions





Nature's Choice AMINO+ 4-0-0 +22% Amino Acids



Nature's Choice Amino+ is a highly recommended addition to your standard fertilizer and crop protection schedule to increase plant productivity, nutrient uptake, stress tolerance and crop quality. Thanks to our unique natural enzymatic hydrolysis process, Nature's Choice Amino+ contains high levels of 20 different free L-amino acids which are essential for all living beings including plants. They are the basic building blocks of proteins and enzymes, playing a key role in plant cell energy management and performing various regulatory functions.

Nature's Choice Amino+ performance mainly comes from the regulatory functions of amino acids. Plants are able to produce amino acids themselves, but this process consumes a lot of energy. By applying Nature's Choice Amino+, your crop will save this energy and boost crop performance. The saved energy can be used for vigorous growth, flowering, strong root development, darker leaves, fruit setting and increased quantity and quality of yield.

Benefits

- Gives the crop a boost during the growth phase
- Increases crop quality
- Increases efficiency of foliar applications
- Protects the crop against abiotic stress
- Reduces stress when added to crop protection products
- Broadest spectrum of free L-amino acids

Advice

It is advisable to use Nature's Choice Amino+ in periods when the crop needs a stimulus:

- At the start of the cycle of the plant
- At moments when plants need extra energy
- When plants are exposed to unfavorable conditions
- At pre-flowering and fruit set
- At fruit development
- Improving plant growth at critical periods

Application

Amino acid molecules contain an average 16% of nitrogen. Nitrogen fertilizers are mainly used for production of amino acid by the plant. This means that you can replace nitrogen requirements by feeding your plant with Nature's Choice Amino+. You replace an input with a negative effect on the environment for an organic/natural product certified for Organic Agriculture. Nature's Choice Amino+ is liquid and soluble so it can be applied to the crop by foliar treatment or through drip irrigation. When applied via irrigation its efficiency is higher in drip system. The product enters the soil and increases amino acid uptake by the roots. It also improves soil conditions, boost soil life and availability of minerals to the plant. For quick crop response apply as foliar treatment frequently during the growth cycle of the crop. Amino+ can be sprayed on the leaves together with most liquid fertilizers and plant protection products to increase efficiency and reduce negative effects.

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Aminogram Nature's Choice AMINO+ 4-0-0 +22% Amino Acids (15% L-Amino Acids)

Alanine	11,28	Λυσίνη	14,16
Arginine	4,64	Methionine	4,4
Aspartic acid	11,4	Phenylalanine	7,76
Cystine	0,4	Proline	8,56
Glutamine	13,28	Serine	8,56
Glycine	7,52	Taurine	0,88
Histidine	4,72	Threonine	9,5
Hydroxyproline	0,35	Tryptophan	1,8
Isoleucine	8,48	Tyrosine	7,04
Leucine	16,64	Valine	10,88

* Plant absorbable L-Amino Acids

** Unit: g/kg

Εγγυημένη σύνθεση Nature's Choice AMINO+ 4-0-0 +22 Amino Acids (15% L-Amino Acids)

Nitrogen (N total)	3,7%
N Organic	3,7%
Total Amino Acids	22%
Plant absorbable Amino Acids	15%
Organic Matter	25%
pH	4,8 - 5,8
Organic carbon	15%
Fulvic Acids	1%
Dry matter	32%

* Organic origin, this can cause a deviation up to 15%

Application advice

Crop	Application rate	Application time	Biological effect
Vegetables & berries	Foliar: 2-3 L/ha Drip: 3-6 L/ha	Just before or after transplanting at pre flowering and fruit setting.	Increased flowering and fruit setting and a more uniform crop in early production
Potatoes	Foliar: 3 L/ha Drip: 2-4 L/ha	Add to post emergence herbicides, pesticides, at vegetative growth stage, tuber initiation and tuber set.	More even tuber size and reduce negative effect of pesticides.
Forage	Foliar: 1-2 L/ha	Every 3-4 weeks.	Shorter growth cycles, root recovery and increased protein content.
Cereals and rice	Foliar: 1-2 L/ha	During important growth stages, i.e. booting, flower set, before/during stress moments.	Increased resistance for abiotic stress, enhanced growth in spring and increased effectiveness of pesticides.
Fruits	Foliar: 2-3 L/ha Drip: 3-6 L/ha	Before flowering and fruit setting. After harvest.	Increased flower setting, fruit quality and recovery after harvest.
Ornamental plants	Foliar: 2-3 L/ha Drip: 2-4 L/ha	Every 14 days.	Increased sturdiness and improved leaf and flower color.
Seedlings	Foliar: 1-2 L/ha Drip: 2 L/ha	Every 14 days until transplanting	Healthier plants, better root development and reduce transplanting stress.
Grapes	Foliar: 2-3 L/ha Drip: 3-6 L/ha	Before flowering and fruit setting. After harvest.	Increased fruit setting and improved grape colour, fruit uniformity and sugar content.
Abiotic stress relieve	Foliar: 2-4 L/ha* *Combine with 1-3 L/ha Fulvic+	Apply at any stress cause. Repeat every 7 days until end of stress period.	Increasing stress tolerance due to amino acids.
All crops	Foliar 1-2 L/ha	Add to plant protection products.	Reduce negative effects of plant protection products on the crop.

* Minimal dilution 1:20

** The exact dosage depends on local soil & weather conditions





Nature's Choice FULVIC+

+17% Fulvic Acids



Fruits



Potatoes, tubers
and root crops



Vegetables



Cereals
and rice

Nature's Choice Fulvic+ is a valuable additive to your standard fertilizer plan. Where NPK fertilizers are necessary to ensure plant production and soil fertility. Nature's Choice Fulvic+ boosts fertilizer uptake, plant natural processes and soil life. Fulvic+ acids are small organic compounds, naturally present in the soil and play an essential function in soil quality. Together with humic acids they form the group of humic substances. Fulvic acids are soluble in water and act directly on plants by stimulating key processes and improving their overall functioning. This biostimulant can both be applied by drip and foliar application. Also it can be added in tankmixes with insecticides and fungicides, Fulvic+ promotes improved effects of these products.

Nature's Choice Fulvic+ performs best when used in combination with other liquid fertilizers. It improves the effectivity of foliar fertilizers. It reduces the possibility of burn damage by foliar fertilizers because of its buffering capacity. Soil applications are specifically profitable when organic matter content and soil life activity is poor. In this situation natural fulvic and humic acids will occur less, which can be compensated by Nature's Choice Fulvic+. This soil applications will stimulate soil life activity and humus building processes. It also deblocks and chelates soil minerals like P and Fe and important trace elements like Zinc and Manganese.

Benefits

- Increased root development
- Chelating function of micronutrients
- Increased nutrient uptake
- Increased chlorophyll content
- Increased abiotic stress tolerance
- Increased soil life
- More energy for fruit development

Advice

Combine Fulvic+ with every foliar fertilizer for increased efficiency.
Top dress or soil application of Fulvic+ days before critical plant growth stages, ensure mineral availability from the soil profile.

Application

Nature's Choice Fulvic+ is very easy to use. As a soil application it can be applied by (drip) irrigation, at fertigation, and it can be sprayed broad acre with a field sprayer.

As a foliar application Nature's Choice Fulvic+ can be combined with all fertilizers. It can also be combined with most systemic crop protection products. Be aware that it can influence the effectivity of the application. Do not mix with selective herbicides. Foliar treatment with Nature's Choice Fulvic+ lowers abiotic stress during high temperatures, drought conditions and too high salt levels.

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Application Dosage Nature's Choice Fulvic+ +17% Fulvic Acids

Seed coating	10%
Soil application	10-20 L/ha
Rows application	5-10 L/ha
Pot plants	1,5ml/L water
Fertilizer (cations)	1 L/1000 L
Leaf application	3-5 L/ha
Leaf application with fertilizer	1-3 L/ha
Fungicide, insecticide	1,5-2 L/ha
Herbicide	1,5-3 L/ha
Herbicide (LVS systeem)	0,5 L/ha
Tankmix stabilisation	2 L/ha

Guaranteed analysis Nature's Choice Fulvic+ +17% Fulvic Acids

Organic Matter	10,2%
pH	8,34
Fulvic acids	17%
Humic acids	3%
Dry matter	19,2%
Trace elements	Fe, B, Cu

* Organic origin, this can cause a deviation up to 15%

Application advice

Crop	Dosage	Application time	Biological effect
Vegetables & berries	Foliar: 1-2 L/ha Drip: 5 L/ha Soil: 10-20 L/ha (+250 cc Nature's Choice 7-2-2)	Combined with fertilizer application and during drought period. Soil application after planting.	Nutrient mobilization, mineral availability.
Potatoes	Foliar: 3 L/ha Soil: 10-20 L/ha	Combined with fertilizer application and during drought period. Soil application after planting.	Nutrient mobilization, mineral availability and increase stability of osmotic pressure.
Forage	Foliar: 1-2 L/ha Soil: 10 L/ha	Combined with every fertilizer application.	Better nutrient uptake, root recovery and increased biomass
Cereals	Foliar: 1-2 L/ha Insecticide, Fungicide combination: 1-2 L/ha Soil: 10 L/ha	Combined with fertilizer application and during drought.	Increased nutrient uptake, fertilizer efficiency and resistance for abiotic stress, enhanced effectiveness of pesticides.
Fruits	Foliar: 2-3 L/ha Drip: 5-10 L/ha Drip monthly	Every 7 days, starting just before flowering - combined with fertilizers.	Increased flower setting, calibre and weight and an improved absorption of locked up nutrients.
Ornamental plants	Foliar: 1-2 L/ha Drip: 5 L/ha Drip starter: 100 cc/tree (+250 cc Nature's Choice 7-2-2)	Every 7 days. Drip starter after planting of new trees, or restoring trees.	Increased sturdiness and improved leaf and flower colour.
Seedlings	Foliar: 1-2 L/ha Soil: 2 L/ha	Combined with fertilizer, or at transplanting.	Fertilizer efficiency, better root development.
Grapes	Foliar: 1-2 L/ha Drip: 5-10 L/ha Drip starter: 100 cc/tree (+250 ml Nature's Choice 7-2-2)	Apply during flowering, after flowering and at the beginning of fruit growth. Drip monthly.	Increased setting and raise the grape colour, uniformity and sugar content.

* Minimal dilution 1:20

** The exact dosage depends on local soil & weather conditions





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sales@hortiland.nl
www.hortiland.nl