

*Our passion:
Plant nutrition
and soil health*

elfer[®]

ORGANIC
Product catalogue



DASA
Desarrollos Agroquímicos, S.A.

In **DASA** we believe in sustainable and environmentally friendly agriculture. That is why we have developed our organic **ELFER** product line for organic fertilization, tailored to the nutritional needs of organic crops. We can adapt formulations to the needs of our clients from all over the world, according to the laws applicable in each country.

The **ELFER** product organic line is manufactured with top quality raw materials to provide the highest performance to your crops. They are certified through prestigious certifying entities such as **BCS-ÖKO Garantie** and **CAAE**. You can find additional information at www.dasaelfer.com or contact our Agronomic department for assistance.

We have a wide range of packaging formats and we adapt product orders to your needs. Do not hesitate to contact us!



FOLIAR application



ROOT application



LIQUID



SOLID

NITRO
Nitrogen fertilizer (16) of plant origin

N fertilizer (16-0-0) with amino acids from hydrolyzed vegetable protein origin highly absorbable by the plant. It enhances vegetative growth during the beginning of the crop cycle and improves the plant's defenses, protecting it from stressful situations.

Composition (% w/w)

Free amino acids	12.40
Total nitrogen (N)	16.25
Total organic nitrogen (N)	15.00

DOSE (Foliar) 150 - 500 g/hl
DOSE (Radicular) 10 - 20 kg/ha

Fertilizer usable in organic plant production according to R (EU) 2018/848 in compliance with the UNE 142500 Standard.

GLADIS
Osmotic optimizer against abiotic stress

Vegetable concentrate based on glycine betaine with an osmoprotective action that balances the water exchange between the plant and the environment. Increases resistance to stress situations and favors the flowering and fruiting process.

Composition (% w/w)

Glycine betaine	97.0
Total organic matter	98.0
Total nitrogen (N)	12.0
Total organic nitrogen (N)	11.5
Organic carbon (C)	57.0
C/N ratio	5.0

DOSE (Foliar) 200 - 400 g/hl

Fertilizer usable in organic plant production according to R (EU) 2018/848 in compliance with the UNE 142500 Standard.

BIOSOIL
Soil health and structure regenerator

Exclusive organic amendment with organic acids of plant origin, which, applied to the soil improves its structure. It increases the water retention capacity of the soil, helps to unblock nutrients, improves their assimilation and increases the microbial population of the soil.

Composition (% w/w)

Total humic extract	15.0
Humic acids	7.0
Fulvic acids	8.0
Water-soluble potassium oxide (K ₂ O)	5.0

DOSE (Radicular) 30 - 60 l/ha

Fertilizer compatible for use in organic agriculture in accordance with regulation (EC) No. 2021/1165, Annex II (EU) and USDA/NOP-Final rule (EULU) § 205.601(j)(3).

BIOROOT
Root system biostimulator

Concentrated biostimulant activator of the root, vegetative and fruit growth. Increases the plants own defenses against abiotic stress and increases the absorption capacity of nutrients.

Composition (% w/w)

Seaweed extract (<i>Ascophyllum nodosum</i>)	5.0
Free amino acids	10.0
Total nitrogen (N)	2.0
Total organic nitrogen (N)	1.9
Water-soluble boron (B)	0.2
Water-soluble iron (Fe)	3.5
Water-soluble manganese (Mn)	1.0
Water-soluble molybdenum (Mo)	0.05
Water-soluble zinc (Zn)	0.1
Mannitol	0.1
Water-soluble sulphur trioxide (SO ₃)	8.0

DOSE (Radicular): 1.5 - 3 l/ha

Fertilizer compatible for use in organic agriculture in accordance with regulation (EC) No. 2021/1165, Annex II (EU) and USDA/NOP-Final rule (EULU) § 205.601(j)(6).

NUTRITOP
Fruit growth improver

Concentrated biostimulant that promotes flower buds growth, improves fruit setting, prevents premature fruit drop and increases its caliber.

Composition (% w/w)

Seaweed extract (<i>Ascophyllum nodosum</i>)	6.0
Free amino acids	6.0
Total nitrogen (N)	1.1
Total organic nitrogen (N)	1.0
Water-soluble boron (B)	0.2
Water-soluble copper (Cu)	0.5
Water-soluble iron (Fe)	2.5
Water-soluble manganese (Mn)	1.0
Water-soluble molybdenum (Mo)	0.02
Water-soluble zinc (Zn)	0.5
Mannitol	0.1
Water-soluble sulphur trioxide (SO ₃)	8.0

DOSE (Foliar): 50-100 cc/hl

Fertilizer compatible for use in organic agriculture in accordance with regulation (EC) No. 2021/1165, Annex II (EU) and USDA/NOP-Final rule (EULU) § 205.601(i).

ALGAE
Ascophyllum nodosum 24% extract

Liquid algae extract with a high content of auxins and natural cytokinins that enhance fruit setting and cell division. It helps crops to overcome abiotic stress conditions and improves their metabolism.

Composition (% w/w)

Seaweed extract (<i>Ascophyllum nodosum</i>)	24.0
Alginate acid	3.0
Mannitol	0.7

DOSE (Foliar) 200 - 300 cc/hl

Fertilizer compatible for use in organic agriculture in accordance with regulation (EC) No. 2021/1165, Annex II (EU) and USDA/NOP-Final rule (EULU) § 205.601(i).

ALGAE PLUS
Ascophyllum nodosum 50% (w/v) extract

High concentration seaweed extract with growth-promoting phytohormones that boosts plant's defenses and stimulate its metabolism, improving flowering, fruit set and growth.

Composition (% w/w)

Seaweed extract (<i>Ascophyllum nodosum</i>)	40.5
Alginate acid	4.0
Mannitol	1.5
Water-soluble potassium oxide (K ₂ O)	8.0

DOSE (Foliar) 150 cc/hl

Fertilizer usable in organic plant production according to R (EU) 2018/848 in compliance with the UNE 142500 Standard.

PERCOLATE
Soil conditioner


Polymer of organic acids and calcium that improves the salts lixiviation and increases the drainage capacity of the soil. It favors the colloidal fraction of organic matter. It improves porosity in cracked or hardened soils, correcting the soil structure and improving aeration.

Composition (% w/w)

Aldaric acids	21.0
Water-soluble calcium oxide (CaO)	14.0

DOSE (Radicular) 20 - 40 l/ha

Fertilizer compatible for use in organic agriculture in accordance with regulation (EC) No. 2021/1165, Annex II (EU), USDA/NOP-Final Rule (EULU) §205.203(c)(3)-(d)(2) and JAS/MAFF No.1605, Table 1.

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TSA Fe
Iron complexed by heptagluconic acid (HGA)


Easily assimilable complexed iron that increases the plant development. The iron participates in the synthesis of chlorophyll, and improves photosynthesis and vegetative growth, increasing the synthesis of photoassimilates.

Composition (% w/w)
Water-soluble iron (Fe)12.0
Total iron (Fe) complexed by HGA 12.0

DOSE (Foliar) 100 - 150 g/hl **Formulation** Solid
DOSE (Radicular) 1 - 3 kg/ha

Fertilizer compatible for use in organic agriculture in accordance with regulation (EC) No. 2021/1165, Annex II (EU).



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TSA Mn
Manganese complexed by heptagluconic acid (HGA)


Complexed manganese of high assimilation by the plant that promotes the growth of lateral roots and activates cell elongation. It improves the chlorophyll synthesis in the plant, as well as the growth of the pollen tube during flowering.

Composition (% w/w)
Water-soluble manganese (Mn)12.0
Manganese (Mn) complexed by HGA12.0

DOSE (Foliar) 100 - 200 g/hl **Formulation** Solid
DOSE (Radicular) 1 - 3 kg/ha

Fertilizer compatible for use in organic agriculture in accordance with regulation (EC) No. 2021/1165, Annex II (EU).



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TSA Zn
Zinc complexed by heptagluconic acid (HGA)


Complexed zinc of easy assimilation that promotes growth, flowering and fruit setting. Its use during flowering and fruit set is essential, and enhances the synthesis of auxins and improves pollen fertility and fruit setting success.

Composition (% w/w)
Water-soluble zinc (Zn)14.0
Total zinc (Zn) complexed by HGA14.0

DOSE (Foliar) 75 - 100 g/hl **Formulation** Solid
DOSE (Radicular) 1 - 3 kg/ha

Fertilizer compatible for use in organic agriculture in accordance with regulation (EC) No. 2021/1165, Annex II (EU).



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TSA Cu
Copper complexed by heptagluconic acid (HGA)


Copper complex that promotes the synthesis of phytoalexins and lignins. It stimulates the plants self-defense system protecting it from external attacks.

Composition (% w/w)
Water-soluble copper (Cu)13.0
Total copper (Cu) complexed by HGA13.0

DOSE (Foliar) 100 - 150 g/hl **Formulation** Solid
DOSE (Radicular) 1 - 1.5 kg/ha

Fertilizer compatible for use in organic agriculture in accordance with regulation (EC) No. 2021/1165, Annex II (EU).



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BIOFER
Iron chelate EDDHA - 4.8 o-o


High quality and soluble chelated iron. Formulated with EDDHA to protect iron in alkaline soils and/or waters and improve its assimilation by crops. Recommended to correct iron deficiencies in fruit trees and vegetables.

Composition (% w/w)
Water-soluble iron (Fe)6.0
Iron (Fe) chelated by (o-o) EDDHA4.8

DOSE (Radicular) 10 - 12 kg/ha **Formulation** Solid

Fertilizer compatible for use in organic agriculture in accordance with regulation (EC) No. 2021/1165, Annex II (EU).



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GREENFIELDS
Iron chelate EDDHA - 3.5 o-o


High quality soluble iron chelate. Formulated with EDDHA to correct iron deficiencies and increase its stability in alkaline soils and/or waters. Recommended to prevent iron chlorosis, especially in horticultural crops.

Composition (% w/w)
Water-soluble iron (Fe)6.0
Iron (Fe) chelated by (o-o) EDDHA3.5

DOSE (Radicular) 10 - 12 kg/ha **Formulation** Solid

Fertilizer compatible for use in organic agriculture in accordance with regulation (EC) No. 2021/1165, Annex II (EU).



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MICROS
Solid mixture of EDTA/HGA micronutrients


Highly soluble multiple deficiency corrector that stimulates vegetative growth and increases the metabolic and enzymatic activity of the plant. It is stable in a wide pH range (2-12) and can be easily absorbed via radicular or foliar application.

Composition (% w/w)
Water-soluble boron (B) 0.7
Copper (Cu) EDTA/HGA 0.3
Iron (Fe) EDTA/HGA 7.5
Manganese (Mn) EDTA/HGA 3.3
Water-soluble molybdenum (Mo) 0.1
Zinc (Zn) EDTA/HGA 0.6

DOSE (Foliar) 100 - 300 g/hl **Formulation** Solid
DOSE (Radicular) 1.5 - 3 kg/ha

Fertilizer compatible for use in organic agriculture in accordance with regulation (EC) No. 2021/1165, Annex II (EU).



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FRUITS
Micronutrients mix for fruit trees


Liquid mixture specifically formulated to maintain the optimal level of micronutrients in fruit trees. It prevents and corrects nutritional deficiencies, thus increasing crop production.

Composition (% w/w)
Water-soluble boron (B)0.5
Water-soluble iron (Fe)2.5
Water-soluble manganese (Mn)2.5
Water-soluble molybdenum (Mo)0.02
Water-soluble zinc (Zn)1.5

DOSE (Foliar) 500 - 700 cc/hl **Formulation** Liquid
DOSE (Radicular) 10 - 15 l/ha

Fertilizer compatible for use in organic agriculture in accordance with regulation (EC) No. 2021/1165, Annex II (EU).



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FULVATE Ca
Calcium complexed by lignosulfonate (LS)


Calcium solution complexed by lignosulfonate (LS) and designed to increase the efficient assimilation of calcium. Its formulation improves the calcium mobility inside the plant, increasing the plant and fruit firmness. Specially recommended for thin-skinned fruits.

Composition (% w/w)
Water-soluble calcium oxide (CaO)11.0
Calcium oxide (CaO) complexed by LS ...11.0

DOSE (Foliar) 200 - 300 g/hl **Formulation** Liquid
DOSE (Radicular) 5 - 25 l/ha

Fertilizer compatible for use in organic agriculture in accordance with regulation (EC) No. 2021/1165, Annex II (EU).



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FULVATE Mg
Magnesium complexed by lignosulfonate (LS)

Magnesium solution complexed by lignosulfonate (LS) designed to efficiently assimilate the nutrients via foliar, correct magnesium deficiencies and boost the crop yield. It activates the plant's metabolism and promotes the transport and accumulation of sugar in the fruits.

Composition (% w/w)
Water-soluble magnesium oxide (MgO)6.5
Magnesium (MgO) complexed by LS6.5

DOSE (Foliar) 200 - 300 g/hl **Formulation** Liquid
DOSE (Radicular) 5 - 25 l/ha

CC issued by KIVA BCS, product compatible with NCP regulation for use in organic crops as crop fertilizer.



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BORO
Concentrate boron solution


Concentrate solution of boron complexed with ethanolamine, specially designed for the prevention and correction of boron deficiency in crops. It improves the calcium transport, pollen germination and fruit setting.

Composition (% w/w)
Water-soluble boron (B) 11.0

DOSE (Foliar) 200-300 cc/hl **Formulation** Liquid

Fertilizer compatible for use in organic agriculture in accordance with regulation (EC) No. 2021/1165, Annex II (EU).




T34 Biocontrol 

T34 Biocontrol
Trichoderma (1x10¹² UFC*/kg)

Innovative and highly concentrated biofungicide which controls crop diseases and protects plants from pathogens. It also produces antifungal compounds that act against fungal diseases and the parasitic potential in nematodes, accelerating the development of the root system.

Composition (% w/w)
Trichoderma asperellum strain T34 12.0
10¹² colony forming units per kg of dry weight

DOSE (Foliar) 50 - 150 g/hl **Formulation** Solid
DOSE (Radicular) 500 g/ha



OMRI confirms the compatibility of this product for use in organic farming in accordance with the USDA National Organic Program regulations if requirements of 205.206 (e) are met, which requires the use of preventive, mechanical, physical, and other pest, weed, and disease management practices.
ECOCERT confirms the compatibility of this product for use in organic farming in accordance with the regulation (CE) n°834/2007 and (CE) n°899/2008.



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Our quality and environmental management systems are annually certified by:

