



Biostimulation, Nutrition and Protection



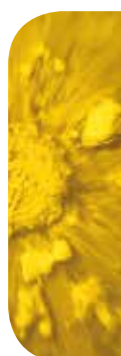
BIOSTIMULANTS..... 4

manvert cuajer	4
manvert ekorigen	4
manvert foliplus	4
manvert fruitsetter / molybdenum mix	4
manvert movili-Ca	5
manvert ocean	5
manvert rooting	5
manvert sealgae	5
manvert silikon	5
manvert soil-am	6
manvert stimulant	6
manvert stimulant plus	6
manvert sugar fruit	6
manvert sulphos	6



SPECIFIC DEFICIENCY CORRECTORS..... 7

manvert biomix	7
manvert boron	7
manvert CaB-tracker	7
manvert potassium	7
manvert ZnB-tracker	7



SOIL AND WATER CONDITIONERS..... 8

manvert drip	8
manvert humus	8
manvert liberoxi	8
manvert mator	8
manvert ric acid	9
manvert salt	9
manvert silargon terra	9
manvert terra	9
manvert win-Ca	9



LIGNOVERT TECH® 10

manvert calcium	10
manvert citrus	10
manvert copper	10
manvert complex	10
manvert complex rice	10
manvert iron	10
manvert magnesio	11
manvert manganese	11
manvert zinc	11



IRON CHELATES..... 11

manvert bioestrene 60 PS	11
manvert bioestrene enorto	11



ADJUVANTS..... 12

manvert optim-pH	12
manvert temojan	12
manvert tesecan	12
manvert tripul-40	12



NPK'S + MICROELEMENTS..... 13

manvert 0-17-19	13
manvert 8-8-6	13
manvert 11-36-14 / manvert baltilan	13
manvert 12-5-36 / manvert nutritif	13



SELF-DEFENSE..... 14

manvert al / manvert biolet	14
manvert defense-Ca	14
manvert defense-Cu	14
manvert defense-Mg	14
manvert defense-Zn	14
manvert fosika	15
manvert miconic	15
manvert phytosoap	15



BIOSTIMULANTS

Compounds applied to the plant and soil improving plant vigour and crop yield quality. Increased plant tolerance to all types of abiotic stress. Improved quality attributes for fruit in terms of sugar content, colour, size, etc. Renders more efficient use of water, increased soil fertility and improved post-harvest life.



manvert cuajer

Biostimulant with a rich formulation in phosphorus and amino acids that makes it an indispensable ally for improving flowering, fruit set and fruit fattening. It has an impact on vegetative not on generative metabolism.

Chemical composition	% w/w	% w/v
Total nitrogen (N)	6.0	7.0
Nitric nitrogen (N)	1.3	1.5
Ammonium nitrogen (N)	4.6	5.4
Organic nitrogen (N)	0.1	0.1
Free amino acids	2.0	2.3
Phosphoric anhydride (P ₂ O ₅)***	12.0	14.1

1 l | 5 l | 20 l | 220 l | 1,000 l



manvert ekorigen

Solid organic biostimulant with complexed micronutrients, polyphenols and other substances that promote root growth (pleiotropic compounds). Organic product without synthetic hormones that increases the formation of secondary roots and root mass, increasing the nutritional potential of the plant.

Chemical composition	% w/w
Boron (B)**	0.7
Copper (Cu)****	0.3
Iron (Fe)****	7.8
Manganese (Mn)****	3.7
Molybdenum (Mo)**	0.2
Zinc (Zn)****	0.7
Copper, iron, manganese and zinc chelated with EDTA	

Bags 1 kg / boxes 15 kg



manvert foliplus

Complete organic biostimulant due to the synergy of action provided by its ingredients: amino acids + reducing sugars + seaweed extract (*Ascophyllum nodosum*) + natural plant hormones. It provides a better start for the vegetative cycle, improves sprouting, flowering and fruit set, and therefore improves the weight and colour of the fruit and the sugar content increases as well. Certified organic by CAEE, according to EU and NOP inputs regulations.

Chemical composition	% w/w	% w/v
Free amino acids	6.0	7.1
Total nitrogen (N)	1.2	1.4
Organic nitrogen (N)	1.2	1.4
Seaweed extract (<i>Ascophyllum nodosum</i>)	15.0	17.5
Reducing sugars	10.0	11.7
Organic matter	18.0	21.0
Cytokininic phytohormones	0.4	0.5

1 l | 5 l | 20 l | 220 l | 1,000 l



manvert fruitsetter/molybdenum mix

Biostimulant with a rich formulation in molybdenum, amino acids and NP that provide the plant the ability to take advantage of N and nutrient mobilization from source to sink organs.

Chemical composition	% w/w	% w/v
Total nitrogen (N)	6.0	7.4
Free amino acids	4.0	5.0
Phosphoric anhydride (P ₂ O ₅)***	12.0	14.8
Molybdenum (Mo)**	3.0	3.7

1 l | 5 l | 20 l | 220 l | 1,000 l





manvert movili-Ca

A solid mixture containing complexed calcium, free amino acids and PACaR (Root Calcium Absorption Promoters) for soil application. PACaR is an organic molecule which, combined with calcium complexes, facilitates its incorporation in the interior of the plant more effectively than isolated applications. PACaR is a facilitator of the transport of calcium, accelerating the processes of calcium metabolism by incorporating it into the cell walls. It mobilizes calcium from the root to the rest of the plant.

Chemical composition	% w/w	
Calcium oxide [CaO]*	18.0	
Free amino acids	2.0	
		5 kg



manvert ocean



Biostimulant made from algae (*Ascophyllum nodosum*) rich in micronutrients that promote rooting, growth and fruit size. Thanks to the cold extraction technology of algae its biostimulant power is much greater. Certified organic by CAAE, according to EU inputs regulations.

Chemical composition	% w/w	% w/v
Seaweed extract (<i>Ascophyllum nodosum</i>)	12.0	14.0
Manganese [Mn]****	1.0	1.1
Zinc [Zn]****	1.0	1.2
Organic matter	9.0	10.5
Chelating agent: EDTA		



1 l | 5 l | 20 l | 220 l | 1,000 l



manvert rooting

Biostimulant with complexed micronutrients, polysaccharides and other substances enhancing the formation and development of the root system, enabling the smooth development of the crop from the initial stages (transplant). Helps the recovery of root systems affected by the attacks of nematodes. It increases the nutritional potential of the plant by increasing the formation of its secondary roots.

Chemical composition	% w/w	% w/v
Boron [B]**	0.05	0.06
Iron [Fe]*	1.0	1.2
Manganese [Mn]*	0.5	0.6
Molybdenum [Mo]**	0.005	0.006
Zinc [Zn]*	0.5	0.6
Magnesium oxide [MgO]*	0.8	0.9
Polysaccharides and sugars	4.0	4.8
extract (Obtained by enzymatic hydrolysis to rooting)		
Complexing agent: Lignosulphonic acid		



1 l | 5 l | 20 l | 220 l | 1,000 l



manvert sealgae



Liquid biostimulant based on seaweed extract, *Ascophyllum nodosum*, extracted using SEAVERT TECH®. These active ingredients protect the plant against any type of stress and provide a high biostimulating power, so that it protects against adverse conditions and provides vigour, improved performance and crop quality.

Chemical composition	% w/w	% w/v
100% seaweed extract (<i>Ascophyllum nodosum</i>)		
Alginate acid	7.0	8.4
Mannitol	1.6	1.9



1 l | 5 l | 20 l | 220 l | 1,000 l



manvert silikon

Liquid biostimulant made from silicon [30% SiO₂], whose effectiveness is enhanced under conditions of water stress and high temperatures, it improves the management of available water by the crop and reduces transpiration. Thanks to its NANOVERT TECH® technology its performance and extension over the surface of the nanoparticles is much higher. It increases the rigidity of the tissues of the plant and fruit, thus reducing crop lodging in cereals and improving the resistance of the pulp in fruit and vegetables, which improves post-harvest life. Certified organic by CAAE, according to EU and NOP input regulations.

Chemical composition	% w/w	% w/v
Silicon oxide [SiO ₂]	30.0	36.0



1 l | 5 l | 20 l | 220 l | 1,000 l



BIOSTIMULANTS



manvert soil-am

Organic biostimulant with 10% free amino acids specially designed for root application. Boosts the development of the plant unblocking and improving the absorption of nutrients in the soil thanks to the development of its root system.

Chemical composition	% w/w	% w/v
Free amino acids	10.0	11.0
Total nitrogen (N)	3.0	3.3
Organic nitrogen (N)	2.8	3.1
Total organic matter	17.5	19.3

20 l | 220 l | 1,000 l



manvert stimulant

Organic biostimulant with high free amino acid content (10% w/w) and low molecular weight peptides. Unifies the generation of crop sprouts and stimulates the vegetative system. Improves foliar assimilation of NPK nutrients and especially microelements. Application periodically throughout the crop cycle. Certified Organic by CAAE, according to EU inputs regulations.

Chemical composition	% w/w	% w/v
Free amino acids	10.0	12.0
Total amino acids	16.5	19.8
Total nitrogen (N)	6.5	7.8
Organic matter	45.0	54.0
Organic carbon	23.0	27.6

1 l | 5 l | 20 l | 220 l | 1,000 l



manvert stimulant plus

Organic biostimulant with high free amino acid content (24% w/w) and low molecular weight peptides. Its application has a strong shock effect, being absorbed very quickly and regardless of whether there is a chlorophyll function. It is recommended for all those crops that go through critical periods and stress, drought, frost, crop phytotoxicity or decay, and as a vegetation stimulant. It can be applied as a foliar spray or by fertigation systems. It is compatible with the most common phytosanitary treatments.

Chemical composition	% w/w	% w/v
Free amino acids	24.0	29.2

1 l | 5 l | 20 l | 220 l | 1,000 l



manvert sugar fruit

Organic biostimulant applied in the fruit fattening. Improves the organoleptic properties and increases Degrees Brix. It should be applied at the end of the crop cycle, before harvesting. Optimizes the production process and translocation of sugars. Certified Organic by CAAE, according to EU inputs regulations.

Chemical composition	% w/w	% w/v
Free amino acids	6.0	7.1
Total nitrogen (N)	1.2	1.4
Organic nitrogen (N)	1.2	1.4
Organic matter	18.0	21.0
Carbohydrates and specific polysaccharides	10.0	11.7
Biostimulants seaweed extract	15.0	18.0

1 l | 5 l | 20 l | 220 l | 1,000 l



manvert sulphos

Biostimulant with a composition that has reduced sulphur suitable for favouring vegetative plant growth and strengthening it against stress conditions. It is an excellent source of sulphur assimilable by the plant, which facilitates the synthesis of amino acids, particularly those with thiol group, such as methionine and cysteine, enhancing crop resistance to abiotic stress.

Chemical composition	% w/w	% w/v
Total nitrogen (N)	9.0	12.6
Ammonium nitrogen (N)	9.0	12.6
Sulfur (SO ₃)	48.0	67.0
Potassium oxide (K ₂ O)**	5.0	7.0

1 l | 5 l | 20 l | 220 l | 1,000 l





SPECIFIC DEFICIENCY CORRECTORS

Correctors specially formulated for improved cultivation efficiency by improving crop nutrient.



manvert biomix

Multiple corrector of microelements in the form of chelated EDTA in very high concentration. It is suitable for the prevention and correction of deficiencies in all crops. It can be applied as a foliar spray or by fertigation systems. Certified organic by CAAE, according to EU inputs regulations.

Chemical composition		% w/w
Boron [B]**		0.7
Copper [Cu]****		0.3
Iron [Fe]****		7.8
Manganese [Mn]****		3.7
Molybdenum [Mo]**		0.2
Zinc [Zn]****		0.7
Chelating agent: EDTA		

1 kg | 5 kg | 15 kg | 270 kg | 500 kg



manvert boron

Correction of the deficiencies of boron in high concentration in liquid form which provides and maintains the levels of boron, essential for good pollination-fruit set, a key factor in obtaining an increase in the production and quality of the fruit. Certified organic by CAAE, according to EU inputs regulations.

Chemical composition		
	% w/w	% w/v
Boron [B]**	10.0	13.5
Boron in boron ethanalamine form		

1 l | 5 l | 20 l | 220 l | 1,000 l



manvert CaB-tracker

A deficiency corrector for calcium and liquid boron formulated as a complex that simultaneously contains Ca and B. It provides hardness to the skin of the fruit and prevents cracking, and decreases the percentage of bitter pit due to calcium deficiencies.

Chemical composition		
	% w/w	% w/v
Calcium oxide [CaO]*	8.0	10.2
Boron [B]*	1.0	1.3
Complexing agent: Gluconic acid		

1 l | 5 l | 20 l | 220 l | 1,000 l

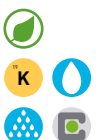


manvert potassium

Liquid potassium solution (30% w/w K₂O) with a high concentration, it contains organic acids to optimize assimilation. Specially formulated to enhance the colour, weight, size and sugar content of the fruit. An optimum pH for assimilation is obtained with the recommended application does.

Chemical composition		
	% w/w	% w/v
Potassium oxide [K ₂ O]	30.0	39.0
Chelating agent: EDTA		
Chlorine content <0,1%		

1 l | 5 l | 20 l | 220 l | 1,000 l

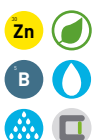


manvert ZnB-tracker

A deficiency corrector for zinc and liquid boron, formulated as a natural complex simultaneously containing Zn and B. It mobilizes these two microelements in the plant increasing the synergy of these elements. Zn is a regulator of cell growth, especially at the beginning of the cycle, and together with B it favours cell division, pollination and fruit set.

Chemical composition		
	% w/w	% w/v
Zinc [Zn]*	6.0	7.8
Boron [B]*	1.0	1.2
Complexing agent: Gluconic acid		

1 l | 5 l | 20 l | 220 l | 1,000 l





SOIL AND WATER CONDITIONERS

Conditioners to improve growth medium, soil structure, CEC, root development and correctors for irrigated and sprayed water. Enhance the effectiveness of other treatments such as root chelates, fertilizers and pesticides.



manvert drip

Liquid organic soil amendment high in micronutrients, for the correction and prevention of deficiencies of Fe, Mn and Zn, in addition to improving the biological-chemical-physical properties of the soil. Highly soluble product that prevents the clogging of drippers. Apply fractionally throughout the crop cycle, with special emphasis on periods of peak demand for nutrients.

Chemical composition	% w/w	% w/v
Iron (Fe)*	2.3	2.9
Manganese (Mn)*	2.0	2.6
Zinc (Zn)*	2.0	2.6
Total humic extract	14.0	17.9
Total nitrogen (N)	2.3	2.9
Organic matter	50	s.m.s
Complexing agent: Lignosulphonic acid		
	20 l	220 l 1,000 l



manvert humus

Liquid humic soil amendment, from leonardite, aimed at improving the physical-chemical-biological properties of the soil, favouring the assimilation of macro and microelements, as a complement and enhancer of basic NPK fertilization. Apply fractionally by means of a fertigation system throughout the crop cycle, with special emphasis on periods of peak demand for nutrients.

Chemical composition	% w/w	% w/v
Total humic extract	15.0	16.5
Humic acids	10.0	11.0
Fulvic acids	5.0	5.5
Total nitrogen (N)	2.5	2.7
Potassium oxide (K ₂ O)**	5.0	5.5
	20 l	220 l 1,000 l



manvert liberoxi

Formulated specifically that once dissolved in irrigation water it releases oxygen slowly, which improves root respiration, eliminates anaerobic zones in the soil and prevents root suffocation, while unlocking and allowing better absorption of nutrients available in the soil. Compatible with the soil auxiliary fauna. Also applicable in hydroponic systems by optimizing the use of the nutrient solutions on the part of the cultivation, improving its production and quality.

Chemical composition	% w/w
Total nitrogen (N)	7.0
Nitric nitrogen (N)	7.0
Potassium oxide (K ₂ O)**	24.0
	5 kg 15 kg 270 kg 500 kg



manvert mator

High concentration liquid organic fertilizer (30% w/w o.m) to improve the biological-chemical-physical properties of soil, favouring the assimilation of macro and microelements as a supplement and enhancer of basic NPK fertilization. Certified organic by CAAE, according to EU and NOP regulations. Apply fractionally throughout the crop cycle, with special emphasis on periods of peak demand for nutrients by the cultivation.

Chemical composition	% w/w	% w/v
Organic carbon	16.5	19.6
Total organic matter	30.0	35.7
	20 l	220 l 1,000 l





manvert ric acid

Acidifying nutrient solution high in nitrogen and sulphur, triple action: acidifying of irrigation water, clearing drippers and unlocks nutrients found in the ground. Thanks to that improvement of water infiltration in the soil, it also increases the nutrient capacity of the plant.

Chemical composition	% w/w	% w/v
Total nitrogen (N)	15.0	22.5
Ureic nitrogen (N)	15.0	22.5
Sulphur (SO ₃)**	40.0	60.0

20 l | 220 l | 1,000 l



manvert salt

A calcium complex conditioned with polyhydroxycarboxylic acids (30% odm), which improve their assimilation and stability, with three outstanding features: water and soil salinity corrector, calcium that is fully absorbable by the plant and soil structure improver. Apply through the fertigation system fractionally throughout the growing season.

Chemical composition	% w/w	% w/v
Calcium oxide (CaO)**	9.1	12.1
Magnesium oxide (MgO)**	0.5	0.7
Polyhydroxycarboxylic acids	30% (d.m)	

20 l | 220 l | 1,000 l



manvert silargon terra



Organic soil amendment that improves soil structure, the CEC, assimilation of nutrients, root development and therefore vegetative growth. Thanks to its MgO content it complements the necessary contributions to the soil. A fractional application is recommended throughout the crop cycle.

Chemical composition	% w/w	% w/v
Total organic matter	30.0	36.0
Boron (B)**	0.05	0.06
Iron (Fe)*	1.0	1.2
Manganese (Mn)*	0.5	0.6
Molybdenum (Mo)**	0.01	0.01
Zinc (Zn)*	0.5	0.6
Magnesium oxide (MgO)*	0.8	1.0
Total nitrogen (N)	2.0	2.4
Humic extract	30.0	36.0
Organic carbon	13.0	16.0
Complexing agent: Lignosulphonic acid		

20 l | 220 l | 1,000 l



manvert terra

Organic soil amendment high in micronutrients that improves soil structure, the CIC, assimilation of nutrients, root development and therefore vegetative growth. Thanks to its content of Fe, it reduces the use of iron chelates in soils with a pH below 7. A fractional application is recommended throughout the crop cycle.

Chemical composition	% w/w	% w/v
Total organic matter	30.0	36.6
Boron (B)**	0.05	0.06
Iron (Fe)*	2.0	2.4
Manganese (Mn)*	0.5	0.6
Molybdenum (Mo)**	0.01	0.01
Zinc (Zn)*	0.5	0.6
Total nitrogen (N)	1.4	1.7
Humic extract	30.0	36.6
Organic carbon	11.2	13.7
Complexing agent: Lignosulphonic acid		

20 l | 220 l | 1,000 l



manvert win-Ca

Liquid mixture of calcium and magnesium high in calcium fulvates that unlocks calcium and other nutrients found in the soil. Corrects calcium deficiencies in crops and helps to improve the assimilation of the fertilizers. It acts as a soil flocculator, improving its aeration and structure, thus optimizing the root development of the plant. Thanks to the contribution of organic matter the soil's microbial flora, structure and water infiltration is improved. Good infiltration translates into good soil nutrient availability for the plant. As a result, the availability of calcium and other nutrients found in the soil is improved, the calcium found in the soil is released, and it enhances the availability of water that will be absorbed by the roots of the plant with solubilized nutrients.

Chemical composition	% w/w	% w/v
Calcium oxide (CaO) **	9.0	12.0
Magnesium oxide (MgO)	0.5	0.7
Calcium fulvates	25.0	33.3

20 l





LIGNOVERT TECH®

Micro-element and macro-element deficiency correctors for crops: Cu, Mg, Zn, Fe, Mn and Ca. Nutrients are complexed, thereby improving their absorption and distribution and permanence within the plant, improving bio-availability. Through application of our own technology we achieve a high concentration of complexed element with balanced molecular weight. Readily miscible in water. Decreases the surface tension of pulverised water, thereby improving its distribution on the leaf surface. High compatibility with other products that may be applied simultaneously.



manvert calcium

Liquid calcium organic complex that acts as a corrector of calcium deficiencies or as an extra contribution of this element, thereby improving the quality and consistency of the fruit.

Chemical composition		
	% w/w	% w/v
Calcium oxide (CaO)*	14.4	20.1
Complexing agent: Lignosulphonic acid		

1 l	5 l	20 l	220 l	1,000 l
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manvert citrus

Corrects deficiencies of zinc and manganese. Increases performance in citrus cultivation.

Chemical composition		
	% w/w	% w/v
Manganese (Mn)*	4.0	5.1
Zinc (Zn)*	3.0	3.9
Complexing agent: Lignosulphonic acid		

1 l	5 l	20 l	220 l	1,000 l
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manvert copper

Enhances photosynthesis as well as assimilation and nutrient transport in crops. Indicated to correct copper deficiencies, an element involved in many enzymatic processes.

Chemical composition		
	% w/w	% w/v
Copper (Cu)*	7.5	9.8
Complexing agent: Lignosulphonic acid		

1 l	5 l	20 l	220 l	1,000 l
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manvert complex

Liquid organic complex of essential microelements indicated for the treatment of multiple deficiencies or to maintain necessary micronutrient levels in crops.

Chemical composition		
	% w/w	% w/v
Boron (B)**	0.1	0.1
Copper (Cu)*	0.1	0.1
Iron (Fe)*	1.0	1.2
Magnesium (MgO)*	2.5	3.0
Manganese (Mn)*	1.0	1.2
Molybdenum (Mo)**	0.05	0.06
Zinc (Zn)*	1.0	1.2
Complexing agent: Lignosulphonic acid		

1 l	5 l	20 l	220 l	1,000 l
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manvert complex rice

Organic complex of essential microelements with a specific balanced formulation for the treatment of nutritional deficiencies in grain crops.

Chemical composition		
	% w/w	% w/v
Copper (Cu)*	1.0	1.3
Iron (Fe)*	1.0	1.3
Manganese (Mn)*	1.0	1.3
Zinc (Zn)*	4.0	5.0
Complexing agent: Lignosulphonic acid		

1 l	5 l	20 l	220 l	1,000 l
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manvert iron

Promotes the synthesis of chlorophyll, which increases the greenness of the leaf and the use of solar radiation and, therefore, improves vegetative growth. Certified organic by CAEE, according to EU and NOP inputs regulations.

Chemical composition		
	% w/w	% w/v
Iron (Fe)*	5.0	6.1
Organic matter	13.0	15.8
Complexing agent: Lignosulphonic acid		

1 l	5 l	20 l	220 l	1,000 l
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manvert magnesio

Corrects magnesium deficiencies. Promotes the synthesis of chlorophyll and increases the greenness of the plant.

Chemical composition		% w/w	% w/v
Magnesium (MgO)*		8.0	10.4
Complexing agent: Lignosulphonic acid			

1 l	5 l	20 l	220 l	1,000 l
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manvert manganese

Corrects manganese deficiencies, a key element in many enzymatic plant processes.

Chemical composition		% w/w	% w/v
Manganese (Mn)*		7.5	9.6
Complexing agent: Lignosulphonic acid			

1 l	5 l	20 l	220 l	1,000 l
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manvert zinc

Effective in Zn deficiency preventive treatments. Enhancer of cell growth and, therefore, the development of the plant thanks to auxin synthesis.

Chemical composition		% w/w	% w/v
Zinc (Zn)*		7.5	9.6
Complexing agent: Lignosulphonic acid			

1 l	5 l	20 l	220 l	1,000 l
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IRON CHELATES

Iron compounds applied to the soil, thereby providing the element to the cultivation where this is prevented by pH conditions or active lime content.



manvert bioestrene 60 PS

EDDHSA solid iron chelate 6% w/w iron chlorosis corrector. High effectiveness in calcareous and alkaline soils, applying it by means of fertigation. Its effectiveness is increased by a fractional application over the cycle instead of a single application. Certified organic by CAEE, according to EU inputs regulations.

Chemical composition		% w/w
Iron (Fe)****		6.0
Chelated fraction orto-orto		4.0 min
Chelating agent EDDHSA		

1 kg	5 kg	15 kg	270 kg	500 kg
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manvert bioestrene enorto

EDDHA solid iron chelate 6% w/w iron chlorosis corrector. High effectiveness in calcareous and alkaline soils. Chelate very persistent in soil. Certified organic by CAEE, according to EU inputs regulations.

Chemical composition		% w/w
Iron (Fe)****		6.0
Chelated fraction orto-orto		4.8 min
Chelating agent EDDHA		
Chlorine content inferior to <1%		

1 kg	5 kg	15 kg	270 kg	500 kg
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ADJUVANTS

Compounds that simultaneously maximize and synergize the effect of other products that are applied simultaneously.



manvert optim-pH

Adjuvant intended for regulating and stabilizing the pH of the water spray to avoid hydrolysis and optimize performance of the product applied. The dose to apply is facilitated thanks to the colour indicator indicating the pH of the liquid mixture. Apply in all foliar applications.

Chemical composition	% w/w	% w/v
Total nitrogen (N)	3.0	3.6
Ureic nitrogen (N)	3.0	3.6
Phosphoric anhydride (P ₂ O ₅)***	23.0	27.6

1 l	5 l	20 l	220 l	1,000 l
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manvert temojan

Nonionic wetting agent that decreases the surface tension of the phytosanitary mixture, improving its wetting power. Apply in all foliar applications.

Chemical composition	% w/v
Atquil poliglycol ether	20.0

1 l	5 l	20 l	220 l	1,000 l
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manvert tesecan

Additive for phytosanitary products particularly suitable for increasing the drying power and dispersing in treatments against pests that secrete honeydew.

Chemical composition	% w/v
Ethoxylated alcohol non ionic linear chain	20.0

1 l	5 l	20 l	220 l	1,000 l
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manvert tripul-40

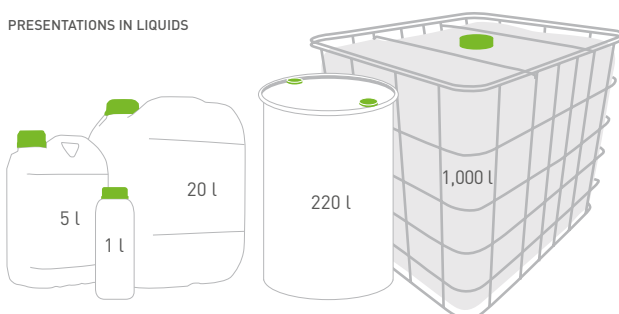
Pesticide synergist that enhances its effectiveness. Certified organic by CAAE, according to EU and NOP inputs regulations.

Chemical composition	% w/w	% w/v
Amino acids	6.0	7.0
Total nitrogen (N)	2.0	2.3
Organic nitrogen (N)	2.0	2.3

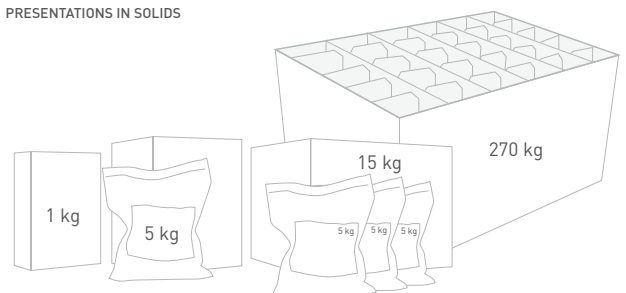
1 l	5 l	20 l	220 l	1,000 l
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PRESENTATIONS IN LIQUIDS



PRESENTATIONS IN SOLIDS





NPK'S + MICROELEMENTS

Basic NPK formulations applied to soil. The additional of different formulations of foliar NPK is necessary in order to obtain good productivity rates and thus satisfy peak requirements for these three macro-nutrients. The choice of foliar application offers the fastest response in these cases.



manvert 0-17-19

Fertilizer (PK) in liquid form suitable for foliar application in cultivation phases where a supply of nitrogen is not required. It is especially recommended in any crop for fattening treatments and mixtures not compatible with nitrogen.

Chemical composition	% w/w	% w/v
Phosphoric anhydride (P ₂ O ₅)**	17.0	23.4
Potassium oxide (K ₂ O)**	19.0	26.2
Boron (B)**	0.05	0.07
Copper (Cu)****	0.05	0.07
Iron (Fe)****	0.05	0.07
Manganese (Mn)****	0.05	0.07
Zinc (Zn)****	0.05	0.07
Copper, iron, manganese and zinc chelated with EDTA		

1 l | 5 l | 20 l | 220 l | 1,000 l



manvert 8-8-6

NPK assimilable foliar liquid containing a balance of EDTA chelated macronutrients and micronutrients that are essential for proper plant nutrition. It is applied by foliar spray at any stage of cultivation or fruit to supplement the nutrition of the plant and the assimilation of other products applied together.

Chemical composition	% w/w	% w/v
Total nitrogen (N)	8.0	9.6
Nitric nitrogen (N)	2.5	3.0
Ammonium nitrogen (N)	3.1	3.7
Ureic nitrogen (N)	2.4	2.9
Phosphoric anhydride (P ₂ O ₅)***	8.0	9.6
Potassium oxide (K ₂ O)**	6.0	7.2
Copper (Cu)****	0.005	0.006
Manganese (Mn)****	0.01	0.01
Zinc (Zn)****	0.005	0.006
Copper, manganese and zinc chelated with EDTA		

1 l | 5 l | 20 l | 220 l | 1,000 l



manvert 11-36-14 / manvert baltilan

NPK fertilizer in solid form, which by its high content of phosphorus, favours the processes related to rooting, flowering and fruit set. Due to its balance of macro and microelements it is a nutritional supplement for cultivation, increasing production and quality. It can be applied as a foliar spray or by fertigation systems.

Chemical composition	% w/w
Total nitrogen (N)	11.0
Ammonium nitrogen (N)	7.0
Nitric nitrogen (N)	3.9
Phosphoric anhydride (P ₂ O ₅)***	36.0
Potassium oxide (K ₂ O)**	14.0
Magnesium (MgO)**	1.6
Boron (B)**	0.5
Copper (Cu)****	0.05
Iron (Fe)****	0.1
Manganese (Mn)****	0.05
Molybdenum (Mo)**	0.2
Zinc (Zn)****	0.05
Copper, iron, manganese and zinc chelated with EDTA	

1 kg | 5 kg | 15 kg | 270 kg | 500 kg



manvert 12-5-36 / manvert nutritifx

NPK fertilizer in solid form, which due to its high potassium content improves the quality and finish of the fruits. With its application the colour and flavour of the fruits and hardness of the pulp is increased. It can be applied as a foliar spray or by fertigation systems.

Chemical composition	% w/w
Total nitrogen (N)	12.0
Ammonium nitrogen (N)	2.0
Nitric nitrogen (N)	10.0
Phosphoric anhydride (P ₂ O ₅)***	5.0
Potassium oxide (K ₂ O)**	36.0
Magnesium (MgO)**	1.6
Boron (B)**	0.4
Copper (Cu)****	0.02
Iron (Fe)****	0.2
Zinc (Zn)****	0.1
Copper, iron and zinc chelated with EDTA	

1 kg | 5 kg | 15 kg | 270 kg | 500 kg





SELF-DEFENSE

Products that activate the plant's natural self-defence mechanisms against pathogens or diseases, by activating the plant SAR and secondary metabolism, permitting a reduction in the rate of application of synthetic products.



manvert al / manvert biolet

Products that activate the plant's natural self-defence mechanisms against pathogens or diseases, by activating the plant SAR and secondary metabolism, permitting a reduction in the rate of application of synthetic products.

Chemical composition	% w/w	% w/v
Copper [Cu]**	1.8	2.0
Manganese [Mn]**	0.8	0.9
Zinc [Zn]**	0.5	0.6
Complexing agent: Lignosulphonic acid		

1 l | 5 l | 20 l | 220 l | 1,000 l



manvert defense-Ca

Calcium phosphite that combines the potentiating action of the natural system of plant defences against fungal diseases of phosphite ion, with the corrective action of calcium deficiencies, promoting its assimilation and transportation.

Chemical composition	% w/w	% w/v
Phosphoric anhydride (P ₂ O ₅)***	16.0	18.6
Calcium oxide [CaO]**	4.5	5.3

1 l | 5 l | 20 l | 220 l | 1,000 l



manvert defense-Cu

Copper phosphite that enhances its action against fungal diseases by the presence of the phosphite ion and copper fungistatic power.

Chemical composition	% w/w	% w/v
Phosphoric anhydride (P ₂ O ₅)***	18.0	21.1
Copper [Cu]*	4.0	4.7
Total nitrogen [N]*	7.5	8.8

1 l | 5 l | 20 l | 220 l | 1,000 l



manvert defense-Mg

Phosphite magnesium that combines the potentiating action of the natural defence system of the plant against fungal diseases of phosphite ion, with the corrective action of magnesium deficiencies, an essential element for chlorophyll synthesis, optimizing photosynthesis, amination, protein synthesis and obtaining energy from the plant.

Chemical composition	% w/w	% w/v
Phosphoric anhydride (P ₂ O ₅)***	36.9	53.1
Magnesium oxide [MgO]*	9.5	13.6

1 l | 5 l | 20 l | 220 l | 1,000 l



manvert defense-Zn

Phosphite zinc that combines the potentiating action of the natural defence system of the plant against fungal diseases of the phosphite ion, with the corrective action of zinc deficiencies, a cofactor of many key enzymatic processes, and that promotes protein synthesis and is essential in auxin synthesis by the plant.

Chemical composition	% w/w	% w/v
Phosphoric anhydride (P ₂ O ₅)***	24.8	32.2
Zinc [Zn]*	7.0	9.1
Total nitrogen [N]	1.6	2.0

1 l | 5 l | 20 l | 220 l | 1,000 l





manvert fosika

Potassium phosphite (0-30-20) that enhances the natural system of creating plant defences with direct and indirect action against fungal diseases, from the oomycetes gender (mildew), and Phytophthora, responsible for neck, root, watery, gomosis, etc. diseases.

Chemical composition	% w/w	% w/v
Phosphoric anhydride (P ₂ O ₅)***	30.0	42.0
Potassium oxide (K ₂ O)*	20.0	28.0
Phosphorous formulated as reduced phosphorous in phosphite ion form		

1 l | 5 l | 20 l | 220 l | 1,000 l



manvert miconic

It is a natural bioactivator of the plant immune system with a high stimulating power of natural elicitors (increases PAL and phenolic compounds) with a specific mechanism of action, which triggers a systemic and broad spectrum response against fungal diseases caused by oomycota fungi, mildews and botrytis.

Chemical composition	% w/w	% w/v
Organic acids	47.0	51.7
Free amino acids	6.0	6.6
Total nitrogen (N)	6.5	7.1
Ammonium nitrogen (N)	5.9	6.5
Organic nitrogen (N)	0.6	0.7

1 l | 5 l | 20 l | 220 l | 1,000 l



manvert phytosoap

Potassium soap from vegetable fatty acids, particularly suitable to help protect the plant against the action of soft cuticle insects, such as aphids, whiteflies, mealybugs, which cause the dissolution of their chitin skeleton and their death by dehydration.

Chemical composition	% w/w	% w/v
Potassium salt derived from fatty acids	60.0	61.2
Potassium oxide (K ₂ O)**	6.0	6.1
Organic carbon	22.0	22.4
Oleic acid (Potassium oleate)	20.4	20.8

1 l | 5 l | 20 l | 220 l | 1,000 l



Organic product

EC fertilizer

Amino acids

Surfactant power

LIGNOVERT TECH®

Liquid formulation

Irrigation application

EHT Total humic extract

Complexing agent

NANOVERT TECH®

Solid formulation

Foliar application

Sugars

Fatty acids

SEAVERT TECH®

Seaweed extract

Chelated elements

Root development

PACaR

* complexed and water soluble

** water soluble

*** water neutral ammonium citrate soluble

**** chelated and water soluble

MANVERT TECHNOLOGY



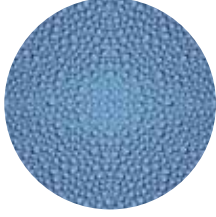
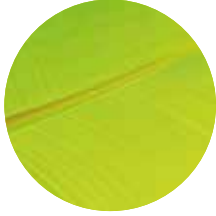
With LIGNOVERT TECH® we are able to achieve a high concentration of complexed elements with balanced molecular weight.



With NANOVERT TECH® we are able to obtain nanoparticles. We thereby obtain a higher concentration of the active ingredient in solution, greater coverage and greater penetration on the leaves.



With SEAVERT TECH® we obtain a higher concentration of active ingredients through extraction at differential pressure.



Ctra. C12, km 150,5 - 25137 Corbins (Lleida)
+34 973 190 707 info@manvert.com

 www.manvert.com



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