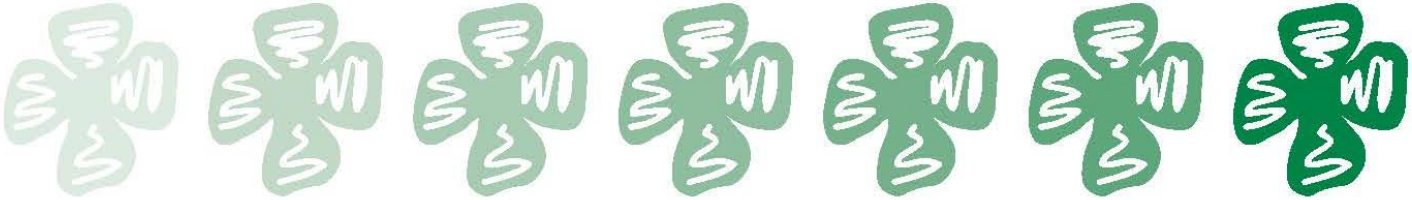
ecoforce

ADVANCED ORGANIC AGRICULTURE



WHO ARE WE?

ECOFORCE is a Spanish company dedicated to manufacture and distribution of innovative products, aimed to improve agricultural production in organic agriculture and free residue farming.

ECOFORCE´s products are marketed in the rest of Europe, Africa and America.

We are proud of our effective and safe wide range of nutritional and plant protection solutions, focused on healthy and high performance farming.

THE PHILOSOPHY OF ECOFORCE:

Our commitment is to improve the efficiency of our fields, using modern and sustainable agriculture. ECOFORCE´s products are:

1. Able to provide organic agriculture and free residue farming.
2. Safety for the farmer.
3. Without security term.
4. Suitable with beneficial organisms.
5. Not generate resistance to crop pests.
6. With multiple mode of action.
7. Natural or biological technology.
8. Safety for the environment and people.

All of our products are certified within the legislation of organic agriculture making feel the farmer more confident and safety.

ecoforce

OUR CERTIFICATES

USDA ORGANIC

Inspeccionado por ECOCERT INSUMOS

SHC
INSUMOS PARA AGRICULTURA ECOLÓGICA

CAAE
INSUMO PARA LA AGRICULTURA ECOLÓGICA

ÖKO - GARANTIE BCS

COOPERATING WITH:

PARTNERS COIAL

ZERO WASTE Residuo cero eco Producto ecológico USDA ORGANIC National Organic Program

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SOIL

1. ORGANIC MATTERS

ECOFORCE´s beliefs are that the basis of good agriculture starts at the soil. Therefore, we produce several types of high quality organic matter, which enhances fertile soil for crops.

Organic matter is a material that we find in every stage of decomposition, from fresh organic matter, to even «humus», which is completely decomposed and stabilized. «Humus» is composed by elaborate substances (humic and fulvic acids and humins) with colloidal action, which play important physical and chemical roles in soil, similar to clays.

These compounds are essential to improve soil characteristics. Using organic matter products, we can achieve an optimized plant growth, stimulating root system and aerial plant part.

Every single one of them, improve quality and yield of the harvest.

FORCE ORGANIC 6-7-10 + 50% MO

25kg | 700kg | Granel

AN ORGANIC FERTILIZER WITH HIGH NPK CONCENTRATION AND MICROELEMENTS. ITS COMPOSITION CONTAINS A CONSIDERABE AMOUNT OF ORGANIC MATTER. SOLID GRANULATE OR MICROGRANULATED.

DOSE:

Apply at 1,5-2 t/ha in vegetables; between 2-3 kg/tree in citrus, fruit trees and olive tree; 0,8 kg/grapevine in irrigation system and 0,8-1 kg/trellis vine. It is recommend to apply it during the crop cycle.

COMPOSITION: **p/p**

Total Nitrogen	6%
Phosphorous	7%
Potassium	10%
Calcium	10,1%
Magnesium	2,3%
Organic Material	50%
Humic Extract	34%

GRANULATED

MICROGRANULATED

FRUTEL·LA N8

5kg | 25kg | 900kg

ORGANIC NITROGENOUS FERTILIZER WITH HIGH CONTENT IN ORGANIC MATTER. IT IS USEFUL FOR IRRIGATION SYSTEMS AND RAINFED CROPS DUE TO ITS INCORPORATION INTO SOIL.
SOLID PEARL.

DOSIS:

Between 500-600 kg/ha/año.

COMPOSITION: **p/p**

Total Nitrogen	8,43%
Phosphorous pentoxide Total	0,45%
Potassium oxide Total	5,45%
Organic Material	74%
Carbon Organic	43%
Total Humic Extract	4,5%

MICROSPHERES

SOIL

EARTHWORM HUMUS

20kg | 600kg

1.200kg | 24.000kg

SOIL REGENERATOR. 100% NATURAL MANURE, WITH HIGH COMPOSITION IN MICROORGANISMS. A GRAM OF EARTHWORM HUMUS CONTAINS AROUND TWO BILLION OF BENEFITIAL MICROORGANISMS.

DOSE:

20 % of this humus, plus 80% of organic substratum in seedbed; between 4-5t/ha/year in vegetables; 2kg/tree/transplanted and between 6-10kg/tree/ year in citrus, fruit trees and subtropical trees; around 0,1-0,2kg/hedge/year in hedgerow of bushes; between 0,5-1 kg/m^2 in Grass and 2,5-4 t/ha/year in grapevine.

COMPOSITION: **p/p**

Organic Material	35,7%
Carbon Organic	20,7%
Humic Extract	7%
Total Nitrogen	1,3%
Phosphorous	0,8%
Potassium	0,5%

BLOOD MEAL

5kg | 25kg

ORGANIC FERTILIZER WITH A HIGH NITROGEN CONTENT OBTAINED FROM BLOOD. THIS PRODUCT ESTIMULATES A WELL-BALANCED CROP´S GROWTH.

DOSE:

Between 500-2000 kg/ha.

COMPOSITION: **p/p**

Total Nitrogen	15%
Phosphorous	0,39%
Potassium	0,29%
Iron,,,	0,25%
Organic Material	95%

FORCE-SOIL

5L | 20 L | 1000L

HIGHLY CONCENTRATED LIQUID SOLUTION, BASED ON AMINOACIDS, SUPPLEMENTED WITH ORGANIC MATTER TO ORGANIC FARMING. FORCE-SOIL, REGENERATOR OF LIFE ON THE GROUND.

DOSE:

Between 200-400 l/ha/year in vegetables, citrus, fruit trees and subtropical trees; between 100-200 l/ha/year in olive trees and vine.

COMPOSITION: **p/p**

Free vegetal aminoacids	9%
Trimethylglicine/betaine	10%
Total Organic Material	42%
Fulvic acids	26%
Potassium	3%
Nitrogen	2,5%

AMINOGRAM:

Asp-0,483 g/100g; Gly-0,341 g/100g; Glu-5,200 g/100g; Pro-0,243 g/100g; Ser-0,322 g/100g; Thr-0,140 g/100g; Val-0,282 g/100g; Hyp-0,680 g/100g; Ala-0,620 g/100g; Tyr-0,223 g/100g; Phe-0,132 g/100g; Ile-0,238 g/100g; Leu-0,250 g/100g; Lys-0,162 g/100g; Gaba-0,650 g/100g.

FORCE-SAL

20 L | 1000L

LIQUID SOLUTION MADE FOR INCREASE SOIL STRUCTURE. ITS REGULAR APPLICATION TO THE SOIL PREVENTS THE DAMAGING EFFECTS OF SALT WATER IRRIGATION AND SOIL SOLUTION. CALCIUM LINKED TO ORGANIC MOLECULES IMPROVE FLOCCULANT CLAY´S ACTION, ALLOWS SOIL AERATION, ROOT PENETRATION AND CATION EXCHANGE CAPACITY. ALSO FAVOUR TO TAKE IN OTHER NUTRIENTS.

DOSE:

Apply between 20-30 l/ha every time that the crop needs it.

COMPOSITION : **p/p**

Calcium oxide	8%

SOIL

HUMIC ACIDS

FORCE-HUMIC HD

ZERO WASTE

USDA ORGANIC

1kg | 5kg

FULLY SOLUBLE CONCENTRATED HUMIC ACIDS. IMPROVE SPOIL PHYSICOCHEMICAL PROPERTIES, INCREASE WATER RETENTION, ROOT DEVELOPMENT AND SOIL FERTILITY SO NUTRIENTS ARE ABLE TO BEEN ASSIMILATED BY THE PLANT. FORCE-HUMIC HD COMES IN THE FORM OF PELLETS OF HIGH PURITY, FULLY SOLUBLE IN WATER, MAKING IT IDEAL FOR BOTH ROOT APPLICATION, INCLUDING ITS USE IN FERTIGATION.

DOSE:

Between 3-6kg/ha/irrigation in vegetables, subtropical trees, olive tree and vine; between 5-10 kg/ha/irrigation in citrus and fruit trees.

COMPOSITION: **p/p**

Humic Total Extract	82%
Humic acids	63%
Fulvic acids	19%
Potassium oxide	12%

FORCE-HUMIC

ZERO WASTE

5L | 20 L | 1000L

LIQUID SOLUTION OF HUMIC AND FULVIC ACIDS ABLE TOU BEEN USED IN FERTIGATION.

DOSE:

Between 5-10 l/ha/application.

COMPOSITION: **p/p**

Humic Total Extract	15%
• Humic acids	12%
• Fulvic acids	3%

2.ROOT STIMULATORS

Root system and aerial organs have a large number of important functions:

- Application of root stimulants, increasing crop efficiency.
- Root system is essential to optimize soil resources for plant´s nutrition.
- Improve respiration and increase of growth.

1L 5L

FORCEX-ECO

ZERO WASTE eco USDA ORGANIC

ECOLOGICAL ROOT IMPROVER MADE WITH AMINOACIDS. IT STIMULATES SECONDARY ROOT FORMATION, INCREASING THE NUMBER OF ABSORBENT HAIRS AND IMPROVING NUTRIENT ABSORPTION CAPACITY.

DOSE:

Vegetable seedbed: 1 cc/l.

Foliar application: 200 cc/hl in citrus, fruit trees, subtropical trees, olive trees and vine.

Root application: between 3-5 l/ha/application in vegetables, citrus, fruit trees, subtropical trees, olive trees and vine.

COMPOSITION: **p/p**

Free aminoacids	2,32%
Total Nitrogen	2,55%
Phosphorous pentoxide	9,3%
Potassium oxide	2,32%

AMINOGRAM:

Arg 6,61 % p/p; Asp 7,78 % p/p; Gly 8,45 % p/p; Glu 11,85 % p/p; Pro 12,10 % p/p; Ser 14,15 % p/p; Thr 5,25% p/p; Val 5,95 % p/p; Cys 1,45 %; His 1,83 %; Ala 5,19 %, Tyr 0,88 % p/p, Phe 5,35% p/p; Ile 3,81 % p/p; Leu 6,75 %, Lys 1,85 % p/p; Met 0,75 % p/p

3.BIOSTIMULANTS

Biostimulants have been our associates for many years in organic agriculture. Nowadays, scientists have proven their important role in conventional agriculture, as a supplement in crop nutrition and crop protection.

Agricultural biostimulants are characterized by increasing plant strength to abiotic stress. These products stimulate soil reinforcing its health and promoting benefitial microorganism development. Taking into account that healthy soil retains more water efficiently and reduces erosion.

Biostimulants are used to develop plant´s metabolic functions, so crops can increase the quantity and quality of the harvests. Biostimulants promote several plant organs like roots, fruits…

Aminoacids:

Stable compounds based on aminoacids obtained from enzymatic hydrolysis, which improve crop's biological efficiency. They provide the necessary nutrients for the contribution of cellular hydric balance, so plants can lead to different abiotic stress.

FORCE-NITRO ECO

1kg

HIGH PURITY AND FAST DISSOLUTION BIOLOGICAL STIMULANT. THIS PRODUCT IS A REINFORCER OF PLANT GROWTH AND ACTS AS A BIG DESTRESSANT.

DOSE:

Foliar application: between 100-300g/hl in vegetables, citrus, fruit trees, subtropical trees, olive trees and vine.

Root application: between 3-5 kg/ha/application in vegetables, citrus, fruit trees, subtropical trees, olive tress and vin.

COMPOSITION: **p/p**

Total aminoacids	85%
Free aminoacids	16%
Total Nitrogen	13%
Organic carbon	46%
Potassium oxide	5%

AMINOGRAM:

Arg 3,33 % p/p; Asp 10,74 % p/p; Gly 4,43 % p/p; Glu 7,35 % p/p; Pro 3,09 % p/p; Ser 3,25 % p/p; Thr 2,66 % p/p; Val 7,90 % p/p; Cys <0,1 %; His 5,78 %; Ala 7,17 %, Tyr 1,64 % p/p, Phe 5,73% p/p; Ile 0,35 % p/p; , Leu 12,16 %, Lys 7,26 % p/p; Met 0,70 % p/p; Trp 1,21 % p/p

NITRO-CELL ECO

1L 5L

PLANT BIOLOGICAL STIMULANT BASED ON AMINOACIDS, ACHIEVED BY ENZYMATIC HYDROLYSIS. HIGH ORGANIC NITROGEN COMPOSITION. SUITABLE FOR PLANT´S ENERY DEMANDS LIKE: STRESS´S MOMENTS OR ACTIVE PLANT GROWTH DIRECTED TO ROOT DEVELOPMENT, SPROTING, FLOWERING, FRUIT SET PROCESS AND FRUIT-GROWING PHASES.

DOSE:

Foliar application: between 100-200 cc/hl in vegetable, citrus and fruit trees; between 100-250 cc/hl in olive tree.

Root application: between 1,5-3 l/ha in vegetables; between 2-3 l/ha in citrus, fruit trees and olive trees.

COMPOSITION: **p/p**

Total Nitrogen	27,7%
Organic Nitrogen	27,7%
Free aminoacids	6,8%

AMINOGRAM:

Ala 0,2 % p/p; Asp 0,8 % p/p; Glu 0,34 % p/p; Gly 1,09 % p/p; Pro 0,32 % p/p; Ser 0,39 % p/p; Thr 2,65 % p/p; Otros (Arg, Hip, His, Ile, Leu, Lys, Met, Phe, Tyr, Val) 1,01% p/p

BIOSTIMULANTS

FORCE-AMIN ECO

1L | 5L | 20 L

ECOLOGICAL BIOSTIMULANT WITH FREE AMINOACIDS TO INCREASE PRODUCTIVITY.

DOSE:

Foliar application: between 150-250 cc/hl in vegetables citrus, fruit trees, subtropical trees, olive trees and vine.

Root application: between 2-4 l/ha/application in vegetables citrus, fruit trees, subtropical trees, olive trees and vine.

COMPOSITION:	**p/p**
Vegetal Aminoacids	15%
Total Nitrogen	7,5%
Organic Nitrogen	2,5%

MARLOX-GB

1kg | 5kg

BIOSTIMULANT WITH OSMOPROTECTIVE ACTION IMPROVING CROP YIELD. THIS PRODUCT INCREASE THE FRUIT SET PROCESS AND REDUCE ITS CRACKING WHEN IT IS APPLIED BEFORE COLOUR CHANGE.

DOSE:

Foliar application: between 200-400 g/hl in vegetable and vine; between 150-250g/hl in citrus; between 300-500 g/hl in fruit trees, subtropical trees, cherry tree and olive tree.

COMPOSITION:	**p/p**
Glycine betaine	97%
Total Nitrogen	11,6%
Organic Carbon	56,8%

3.BIOSTIMULANTS

Algae:

These products, which are formulated with *A.nodosum* extracts, improve nutritional balance. Our products provide macro and micronutrients, proteins (vitamins, hormones, aminoacids), mannitol (with osmoprotective effect), alginic acid, polysaccharides, polyphenols (enhances the plant's strength during cellular stress to confront the effect of free radicals generated by pathogens) y laminarians. Furthermore they have a hormonal effect, according to plant´s phenological state and the application moment. They contain auxins, cytokinins, gibberellins and betaines.

This products contribute to increase absorption and assimilation of nutrients. They have synergetic effects, which improve crop response against adverse conditions and promote hormonal activity in many phenological phases, improving high yields.

BIOSTIMULANTS

1kg | 5kg

FORCE-MAR ECO

ZERO WASTE eco

BIOACTIVATOR, LATEST GENERATION BASED ON EXTRACTS OF *ASCOPHYLLUM NODOSUM*. PROVIDES BIOACTIVE COMPONENTS AS ALGINIC ACID, MANNITOL AND PHYTOHORMONES THAT HELPS THE PLANT TO EFFECTIVELY TOLERATE ADVERSE CONDITIONS.

DOSE:

Root application: between 2-4 kg/ha/application in vegetables; between 2-3kg/ha/application in citrus, fruit trees, subtropical trees, olive trees and vine.

COMPOSITION: **p/p**

Pure extrats of *Ascophyllum nodosum*
Alginic acid……..14%
Mannitol……..4%

FORCE-CYT

ZERO WASTE eco

1L | 5L

ALGAE BIOSTIMULANT WITH HIGH CYTOKININ ACTIVITY. PROMOTES GROWTH AND GLOBAL PLANT DEVELOPMENT, IMPROVES FLOWERING AND FRUIT GROWING. IT CAN BE USED TO START SPROTING, INCREASE PHOTOSYNTHESIS CAPACITY, RETARD AGEING AND IMPROVING YIELDS.

DOSE:

Foliar application: 200-300 cc/hl.

COMPOSITION: **p/p**

Ascophyllum nodossum extract……20%
Total Organic Material……13%
Potassium oxide……1,8%
Mannitol……0,8%
Alginic acid ……2,1%

FORCE-AUX

1L 5L

ECOLOGICAL BIOSTIMULANT, BASED ON ALGAE EXTRACTS, AMINOCADIS FROM ENZYMATIC HYDROLYSIS AND VEGETAL HORMONES. IT ENABLE SET FRUIT PHASES AND FRUIT-GROWING PROCESSES.

DOSE:

Foliar application: between 100-300 cc/hl in vegetables and olive trees; between 100-200 cc/hl cereals; between 200-300 cc/hl in fruit trees and vine.

Root application: between 1-3 l/ha in vegetables and olive trees; between 2-3 l/ha in fruit trees and vine.

COMPOSITION: **p/p**

Alginic acid……1,5%
Mannitol……..0,5%
Water-soluble Potassium oxide……..2,5%
Total Nitrogen ……2,5%
Free aminoacids……..1,58%

4. BIO+TECHNOLOGICAL FORMULAS

Microorganisms in agriculture are very useful to achieve fully-developed crops. They are essential to maintain soil fertility. In fact, soils without microbial flora are poor and unbalanced, so its necessary to add constantly, large quantities of synthesis fertilizers.

Even though microorganisms are not actual fertilizers, they are needed for an optimum fertilization. Many microorganisms produce biostuff which have fungicide and insecticide effects, so plants can be naturally protected.

Nowadays, biotechnological formulations are used to solve many types of problems in order to accomplish healthy crops. These products help farmers to increase yields, stimulate pests's resistance and support biotic and abiotic adverse conditions.

5L

FORCE-BACTER

ZERO WASTE

SOIL REGENERATOR BIOFERTILIZER AND PLANT GROWTH BIOSTIMULANT, FORMULATED WITH SOIL MICROORGANISMS (NITRIFICANTS, PHOSPHOROUS REDUCERS, PROTEOLYTICS AND CELLULOLYTICS)

DOSE:

Root application: 3l/ha in vegetables; 5l/ha in sprouting process combined with iron chelated and 3 l/ha in fruit set phases and growing-fruit process in citrus, fruit trees, olive trees and vine. Around 2 or 3 applications per crop cycle.

COMPOSITION:

Azozpirillum brasilense..... $1 \cdot 10^8$ u.f.c. /ml
Azotobacter chroococcum.... $1 \cdot 10^8$ u.f.c. /ml
Bacillus loti..... $1 \cdot 10^8$ u.f.c. /ml
Rhizobium loti..... $1 \cdot 10^8$ u.f.c. /ml

1L 5L

RIZO-BACTER

ZERO WASTE eco USDA ORGANIC

BIOTECHNOLOGIC FORMULATION WITH SPECIFIC MICROELEMENTS WHICH STIMULATE DIFFERENT PLANT DEFENSIVE MECANISMS.

DOSE:

Foliar application: between 300-500 cc/hl in vegetables, citrus, fruit trees, olive trees and vine.
Root application: 5 l/ha in vegetables, citrus, fruit trees, olive trees and vine.

COMPOSITION: **p/p**

Water-soluble Manganese.....2%
Ls-chelated Manganese 2%

BIO+TECHNOLOGICAL FORMULAS

1L | 5L

FORCE-GOLD

BIOTECHNOLOGICAL FORMULA FOR MEETING ZINC AND MANGANESE REQUIREMENTS. IT IS ALSO USED AS CROP PROTECTION TREATMENT COMPLEMENT.

DOSE:

Foliar Application: Between 150-200 cc/hl.

COMPOSITION: p/v

Water-soluble Manganese.....0,7%
Water-soluble Zinc 1,55%

5L | 20 L

FORCE-SIL

BIOTECHNOLOGICAL FORMULA MADE WITH A HIGH CONCENTRATION OF SILICON, CALCIUM AND ORGANIC ACIDS. THIS PRODUCT IMPROVES FRUITS'S QUALITY, PROVIDING THESE ELMENTS TO THE PLANT AND MAKING ENHANCING THE ABSORPTION AND TRANSLOCATION OF CALCIUM IN THE PLANT.

DOSE:

Foliar Application : Between 200-300 cc/hl.

COMPOSITION: p/p

Silicon oxide.....9%
Calcium oxide.....8,5%
Organic acids.....18%

1L 5L

COPPER-BAC

ZERO WASTE eco

BIOTECHNOLOGICAL FERMENTATION FORMULA, WHICH REDUCES THE IMPACT OF DIFFERENT BIOTIC FACTORS.

DOSE:

Foliar application: 150 cc/hl in vegetables, citrus, fruit trees, subtropical trees, olive trees and strawberry; between 150-250 cc/hl in rice and other cereals.
Root application: 5l/ha in vegetables, olive trees and strawberry; between 2-5 l/ha in citrus, fruit trees and subtropical trees; between 1,5-2,5 l/ha in rice and other cereals.

COMPOSITION: **p/p**

Water-soluble Copper (Cu) ……..2,8%
AGH-chelated Copper (Cu) ……..2,8%

1L 5L

OXICOBRE ECO

ZERO WASTE eco USDA ORGANIC

HIGH CONCENTRATION COPPER OXYCLORIDE SUSPENSION PRODUCT FOR SPRAYING IN FOLIAR APPLICATION. IT IS CHARACTERIZED BY ITS FINE ADHESION AND RESISTANCE TO BE WASHED.

DOSIS:

Foliar application between 75-125 cc/hl in citrus; between 150-250 cc/hl in olive trees, vegetables and cereals and all type of trees; between 250-400 cc/hl in fruit trees.

COMPOSITION: **p/p**

Copper……38%
Copper oxycloride……70%

Formulados BIO+tecnológicos

1L 5L

FORCE-CITRUS

BIOCORRECTIVE OF ZINC AND MANGANESE DEFICIENCIES WITH ADJUVANT PROPERTIES. THIS PRODUCT IS AN IDEAL COMPLEMENT AS AN AGROCHEMICAL PRODUCTS ADJUVANT.

DOSE:

Foliar application: for an adjuvant action: 100 cc/hl. For a crop protection treatment complement: 300-500 cc/hl.

COMPOSITION: **p/p**

Water-soluble Zinc…….. 2,3%
Water-soluble Manganese……1,1%

1L 5L

FORCE-SIOUX

BIOTECHNOLOGICAL FORMULA BASED ON HIGH ASSIMILATION PLANT AMINOACIDS . THIS PRODUCT ACTS LIKE A CROP PROTECTION TREATMENT COMPLEMENT.

DOSE:

Foliar application : Entre 100-150 cc/hl.

COMPOSITION: **p/p**

Free aminoacids……..2%

FORCE-CONTACT is an organic biodegradable pesticide, based on potassium salt which comes from vegetal fatty acids and high quality oils. It is used in crop protection to control pests that have any type of a wax coating. It is also used to clean honeydew secreted by sucking insects and as a antiseptic.

This product fights insects like aphids, mealybugs, whiteflies, thrips and red spider mite in a efficient manner.

1L | 5L | 20 L

FORCE-CONTACT OLEATBIO

ZERO WASTE eco

POTASSIUM SALT INSECTICIDE BASED ON VEGETAL FATTY ACIDS. THIS PRODUCT ACTS BY CONTACT WITH THE PEST, DISSOLVING THE INSECT CUTICLE AND REDUCING PEST RATE.

DOSE:

Foliar application: 10 cc/l in vegetables, citrus, fruit trees, subtropical trees, olive trees and vine.

COMPOSITION: **p/p**

Potassium salt from fatty acids……..25,7%

5.FRUIT-GROWING AND RIPENING

Fertilizers based on algae extracts and micronutrients, acting in a synergetic way with plants, to reroute more photo assimilates where plant requires its like growing fruits. In this way, we improve all the quality parameters: size, consistency, turgor, coloration, homogeneity and post-harvest life.

On the other hand, potassium fertilizers, encourage sugar synthesis and its later accumulation on the sugar sinks. For this reason, it is recommended to apply this product during growing-fruit process as it increases fruit size and homogeneity.

Combination of both products has a positive effect on plants, improving ripening and homogeneity growing-fruit process without any type of stress.

COTA-ECO

1L | 5L

ECOLOGICAL METABOLIC STIMULATOR OF THE TOTAL FRUIT QUALITY BASED ON ALGAE.
COTA-ECO PRESENTS A NOVEL FORMULATION WITHOUT SYNTHETIC HORMONES, NUTRIENTS WHICH PROMOTE FATTENING, RIPENING AND COLORING OF THE FRUIT NATURALLY.

DOSE:

Foliar application: between 250-450 cc/hl in vegetables; between 300-500 cc/ha in citrus, fruit trees, subtropical trees and olive tree and between 300-400 cc/ha in vine.

Root application: 10-20 l/ha in vegetables; 20-25 l/ha in citrus, fruit trees, subtropical trees, olive tree, and vine.

COMPOSITION: **p/p**

Ascophyllum nodosum extract
Potassium oxide……..15%
Alginic acid……..0,75%
Manntol……..0,25%

FORCE-K ECO

5L | 10L

POTASSIUM SOLUTION WITH NEUTRAL pH FOR FATTENING AND FRUIT RIPENING.

DOSE:

Foliar application: between 300-400 cc/hl/application in vegetables, citrus, fruit trees, subtropical trees; and between 300-500 cc/ha/application in olive trees and vines.

Root application : between 40-100 l/ha/plant cycle in vegetables, citrus, fruit trees, subtropical trees, olive tree, and vine.

COMPOSITION: **p/v**

Potassium oxide……..40%
Sulfur oxide……..36,8%

CORRECTORS

6. DEFICIENCY CORRECTORS:

Macro and microelements stable formulation, supplemented with aminoacids and algae. These products have systemic properties, which favour its application and plant assimilation. In this way, using these products we can anticipate the deficiencies that our crops may suffer, with the appropriate vegetal growing concentrations.

1kg | 5kg

FORCE-Ca+B

ECOLOGICAL WATER-SOLUBLE FERTILIZER WITH CALCIUM AND BORON TO IMPROVE FIRMNESS, FRUIT SET AND CRACKING PROBLEMS.

DOSE:

Foliar application: between 300-500 g/hl in vegetables; between 300-600 g/hl in citrus, fruit trees, subtropical; between 400-600 g/hl in olive trees and between 200-400 g/hl in vine.

Root application: 5-25 kg/ha in vegetables, citrus, fruit trees, subtropical, olive trees and vine.

COMPOSITION: **p/p**

Calcium oxide	28%
Calcium oxide with lignosulphats	5%
Boron	1,5%

5kg

FORCE-CALCIO

WATER-SOLUBLE AND MICRO GRANULATE ORGANIC PRODUCT BASED ON HIGH ASSIMILATION AMINOACIDS AND CALCIUM. THIS PRODUCT IS USED TO STRENGTHEN AND CONFER ELASTICITY TO THE CELLS. THEREFORE, WE GET A ROBUST PLAN STRUCTURE.

DOSE :

Foliar application : between 150-300g/hl.

Root application : between 5-25 kg/ha in short-cycle crops and between 3-5 kg/ha in long-cycle crops.

COMPOSITION: **p/p**

Calcium oxide	36%
Free aminoacids	6%
Organic Nitrogen	1,5%

CORRECTORES

1L | 5L | 10L

FORCE-ZINMAN ECO

ZERO WASTE eco

ORGANIC CORRECTOR BASED ON ZINC Y MANGANESE. LIQUED MIXTURE WITH CHELATED MICRONUTRIENTS (Mn y Zn) FOR FOLIAR APPLICATION AND FERTIGATION.

DOSE:

Foliar application : between 250-400 cc/hl in vegetables, citrus, fruit trees, subtropical trees, olive trees and vine.

Root application : 5-7,5 l/ha/application in vegetables; 2,5 l/ha/application in citrus, fruit trees, subtropical trees, olive trees and vine.

COMPOSITION: **p/p**

Zinc with lignosulfates……..5%
Manganese with lignosulfates ……..5%

1kg | 5kg

FORCE-Fe ECO

ZERO WASTE eco

FORCE-FE ECO IS ESSENTIAL FOR PLANTS INVOLVED IN NUMEROUS VITAL FUNCTIONS, AMONG WHICH, THE SYNTHESIS OF CHLOROPHYLL NUTRIENT.

DOSE :

Root application : between 5-10kg/ha in short-cycle vegetables, between 10-20kg/ha in long-cycle vegetables; between 5-15 kg/ha in citrus, fruit trees, subtropical trees, olive trees and vine.

COMPOSITION : **p/p**

Fe-EDDHA……6%
Orto-orto-isomer-Fe……4,8%

1kg | 5kg

FORCE-MIX ECO

ZERO WASTE eco

ECOLOGICAL SOLUTION THAT ACTS AS A CORRECTOR OF MULTIPLE DEFICIENCIES. MIXTURE OF CHELATED MICRONUTRIENTS TO REDRESS OR PREVENT DEFICIENCY STATES AND OPTIMIZE YIELDS.

DOSE :

Foliar application: between 50-80 g/hl in vegetables, citrus, fruit trees, subtropical trees, olive trees and vine.

Root application: between 1,5-3 kg/ha in vegetables, citrus, fruit trees, subtropical trees, olive trees and vine.

COMPOSITION: **p/p**

Zinc EDTA	4%
Fe EDTA	4%
Manganese EDTA	3%
Water-soluble .Boron	1,5%
Óxmagnesium oxide	1,20%
Copper EDTA	0,60%
Molybdenum	0,05%

RAW MATERIALS

7.RAW MATERIALS

Our products are made of excellent quality raw materials. These type of products are used as an alternative fertilizer to provide nutrients like phosphorous, carbon, silicon or calcium.

These raw materials contribute to root system stimulation, plant growth, nutrient absorption and also promote microbial soil activity. Many of these microorganisms improve substrate quality in poor soils, contributing to nutrient retention and increasing crop yields.

20kg

BONE MEAL:

ZERO WASTE

NATURAL FERTILIZER BASE ON PHOSPHOROUS AND CALCIUM. THIS PRODUCT STIMULATES ROOT DEVELOPMENT, PLANT GROWTH, NUTRIENTS ABSORPTION, FLOWERING AND FRUIT SET PHASE.

DOSE:

Application: between 300-500 kg/ha.

COMPOSITION: **p/p**

Calcium	25%
Phosphorous	12%
Nitrogen	3,16%
Magnesium	0,43%
Potassium	0,10%
Zinc	0,012%
Iron	0,005%

20kg 700kg

VEGETAL COAL

ZERO WASTE

PRODUCT WITH A HIGH CARBON CONCENTRATION, WHICH STIMULATES MANY VITAL SOIL MICROORGANISM ACTIVITIES. THIS PRODUCT IMPROVES PHYSICAL AND CHEMICAL SOIL PROPERTIES LIKE THEIR STRUCTURE, ALLOWING A FITTING ROOT DEVELOPMENT, OXYGENATION, HUMIDITY AND HEAT ABSORPTION.

DOSE :

Application: 10 m^3/ha.

COMPOSITION : **p/p**

Carbon	98 %

RAW MATERIALS

DIATOMACEUS EARTH

ZERO WASTE eco

1kg | 5kg

20kg | 1000kg

PLANT ORIGIN MINERALS BASED ON ALGAE. THIS PRODUCT PROVIDES LARGE QUANTITIES OF SILICON AND CALCIUM.
MICRONIZED AND DOUBLY SIEVED.

DOSE:

Application : it can be sprinkled on the plant or be applied by leaf treatments (20g/l).

COMPOSITION: **p/p**

Silicon oxide	70,30%
Calcium carbonate	27,70 %
Magnesium oxide	0,42%
Phosphorous oxide	0,11%
Potassium oxide	0,27%
Iron oxide	0,50%

BASALT STONE: SILICION-BASED FERTIILZER

ZERO WASTE

5kg | 20kg | 1250kg

BASALT POWDER TO SUPPLY MICROELEMENTS. PERIODIC APPLICATIONS IN POOR SOILS IMPROVE THE CATION EXCHANGE CAPACITY AND NUTRIENT RETENTION.

DOSE:

Application: 1-2t/ha/year.

COMPOSITION : **p/p**

Silica	46,69%
Iron	12,76%
Calcium	11,28%
Phosphorous	0,38%
Manganese	0,22%
Copper	0,02%
Zinc	0,01%

PHOSPHATE ROCK: PHOSPHOUS-BASED FERTILIZER

ZERO WASTE

5kg | 20kg | 1000kg

AGRONOMIC ALTERNATIVE TO CONVENTIONAL PHOSPHOROUS INPUTS. THIS ALTERNATIVE IMPROVES THE APPROPRIATE PLANT GROWTH AND FRUIT-GROWING PROCESS.

DOSE:

Application : between 300-500kg/ha/year.

COMPOSITION : **p/p**

Phosphorous oxide	33,40%
calcium oxide	45,42%
Silicon oxide	7%
Aluminum oxide	3,70%
Iron oxide	1,90%
Carbon dioxide	2,20%
Magnesium oxide	0,20%

pH REGULATOR

8. pH REGULATOR

They are essential in agriculture, a suitable pH control solution. It is important to know the consequences of mixing any products and their eventual incompatibilities. The best way to reduce these solubility or precipitated problems, is using pH regulators.

Accomplishing a balanced pH mixture, we improve the product adherence, making easier their plant assimilation and also increasing the persistence on the leaves. It is by these means, that we achieve a good product efficiency.

1L 5L

FORCE-pH ECO

ZERO WASTE eco

pH REGULATOR WITH A DEFOAMER EFFECT INDICATING ITS ADDITION IN FOLIAR APPLICATIONS. ITS MANGANESE CHELATED WITH ORGANIC ACIDS SOLUTION, IMPROVES THE PENETRATION AND ASSIMILATION OF THE USED PRODUCTS AS A RESULT OF pH BEING BALANCED.

DOSE:

Foliar application: 50 cc/hl for reduce pH 8 to pH 6 in vegetables, citrus, fruit trees, subtropical trees, olive trees and vine.

COMPOSITION: **p/p**

Water-soluble Manganese……3%
pH……1,3

ecoforce

ADVANCED ORGANIC AGRICULTURE

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