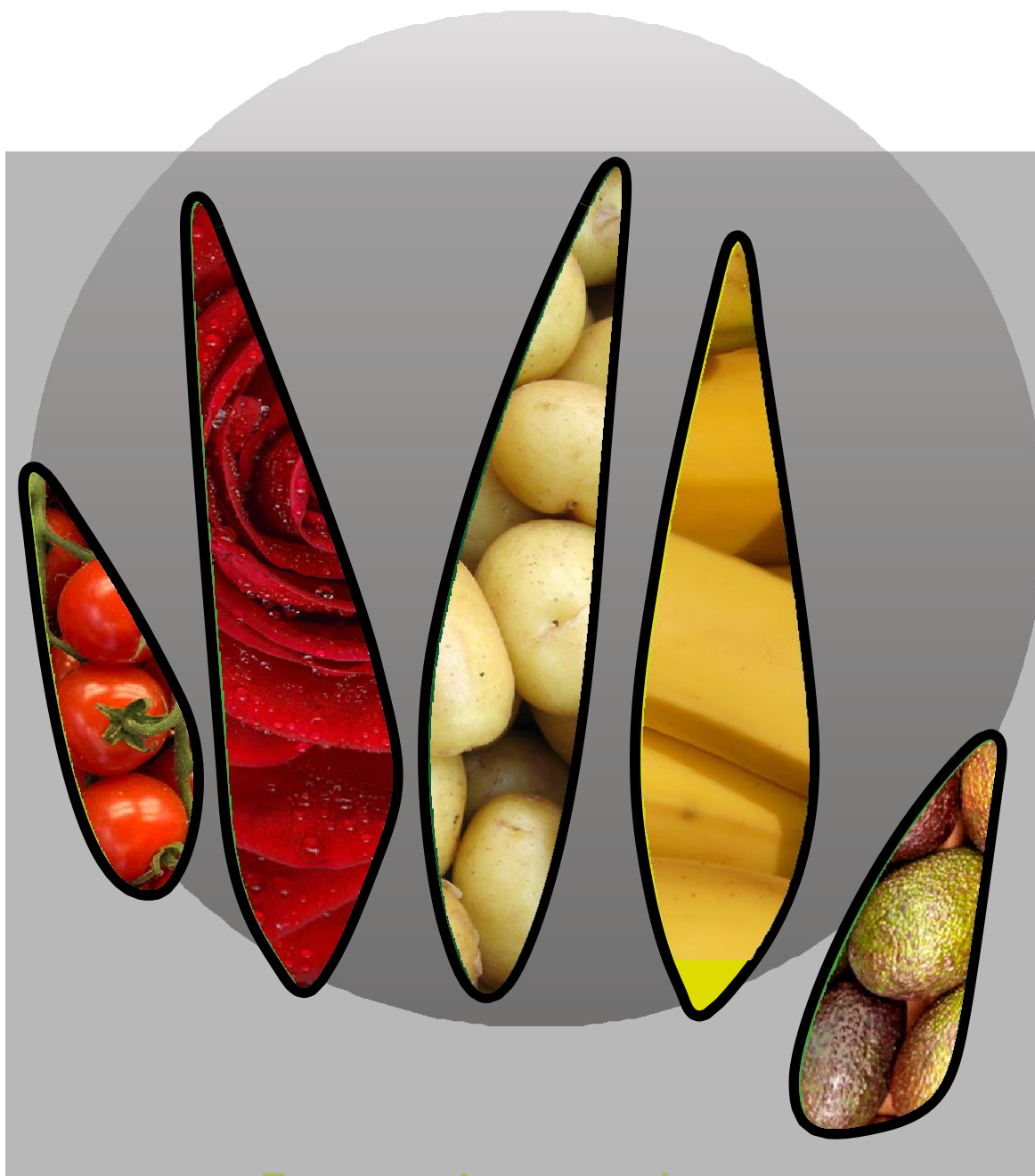




# spachem

GROW THE FUTURE



Exportation catalogue

**2025**

[spachem.es](http://spachem.es)



## At Spachem we are specialists in the design, production and commercialization of innovative solutions for modern day agriculture.

Spachem SL is a Spanish enterprise, belonging to the Quimialmel group, which has great experience and specialization in the agrochemical field, particularly in agronutrients for the agricultural sector.

Vertical integration within the Quimialmel Group in 2006 enabled us to establish ourselves in raw materials control and to benefit from the vast knowledge of the various industries we have worked with since then, creating our own technological know-how, the application of which positions us as a company that offers its customers flexible and exclusive solutions.

Vikza LLC is the exclusive distributor of Spachem S.L. in the Republic of Armenia, the Republic of Kazakhstan, the Russian Federation, the Republic of Belarus, the Kyrgyz Republic, Georgia, Turkmenistan, the Republic of Uzbekistan, and the Republic of Tajikistan.

## Markets

We are currently present in over 25 countries around the world, spread over 4 continents, with Europe, Northern Africa, Middle East, Central and South America.



GROW THE FUTURE

## High quality committed to customer service

Spachem SL is a Spanish company belonging to the Quimialmel group, with an extensive experience and a high degree of specialization in the agrochemical sector, particularly in agronutrients specifically designed for the agricultural sector.

Spachem's identity is linked to high-quality processes to meet our customers' needs. We rely on the savoir-faire we have acquired in our type of industry, as well as making the most of the synergies of which our group has consolidated experience.



## Certifications

Spachem is committed to quality management, in the form of certified quality that is applicable and therefore, reliable. To this end, many resources are invested in various certifications:

ISO 9001  
BUREAU VERITAS  
Certification



### ISO 9001:2015

Design, formulation, sale and distribution of agrochemical products (biocides, pesticides and plant protection products, Irontilisers and biostimulants)

ISO 14001  
BUREAU VERITAS  
Certification



### ISO 14001:2015

Design, formulation, sale and distribution of agrochemicals (Biocides, pesticides and plant protection products, Irontilizers and biostimulants)

ISO 45001  
BUREAU VERITAS  
Certification



### ISO 45001:2018

Design, formulation, sale and distribution of agrochemicals (Biocides, pesticides and plant protection products, Irontilizers and biostimulants)

RD 506/2013  
FERTILIZANTES  
BUREAU VERITAS  
Certification



### RD 506/2013

Manufacture and distribution of group 1, 3 and 4 Irontilisers

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# PLANT PROTECTION

Plant protection products provide adequate protection against diseases and pests. They complete the range of nutritional products by offering solutions to the different needs of crops and also by activating the natural defence mechanisms of plants, which intervene in the prevention and control of fungi and induce the synthesis of phytoalexins.

# Plant Protection

## Phytosanitary

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# Plant Protection

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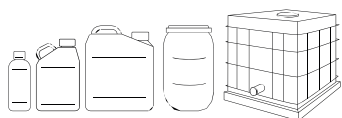


# Biorationals



## Biokomax

Ref. AC008



100mL,250mL,500mL,1L,5L,20L,200L,1000L



BIOKOMAX its a liquid antimite/insecticide based on four natural terpens. It efficiently acts over the adult individuals by inhibiting their resistance development. Efficient in plague control integrated programmes, BIOKOMAX is the most efficient natural solution to keep tetranychid mites under control.

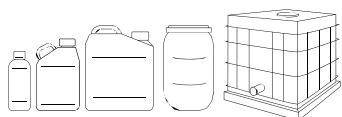
### Composition

Geraniol	0,38% w/v
Citronellol	0,38% w/v
Nerolidol	0,38% w/v
Farnesol	0,38% w/v



## Citronic Plus

Ref. FU054



100mL,250mL,500mL,1L,5L,20L,200L,1000L



CITRONIC PLUS is a liquid fungicide made from citric extracts and rich in organic acids. Conceived to keep under control fungus such as the Botrytis, Esclerotinia, Fusarium or Erwinia, either in foliar or post-harvest application. This formula generates a protective film impeding the micellium to develop over the fruit's skin. It is a natural product with no risk to produce fitotoxicity. Citronic Plus it's the natural form to protect your harvest.

### Composition



Citrics extracts	50,0% w/v
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\*Other commercial trademarks: CITRONIC PLUS 50 EC, CITRONIC MAX CITRIMAX



## Ultor

Ref. **FU043**



1Kg, 5Kg



ULTOR is a Spachem's exclusive mineral-botanic nematocide/bactericide in form of liquid solution focused on the control of nematodes and some soil bacteria. Due to the presence of glucosinolates in its formula, Ultor promotes the synthesis of hydrocyanic acid in the root which, when in contact with the nematode cuticle or bacterial cell wall, causes their disintegration and ultimately, their death. Ultor is a natural and efficient solution for a free of nematodes and bacteria ground.

Composition:

Nitrogen (N)	9,00 % w/v
Potassium (K2O)	5,00 % w/v
Sulphur (SO3)	70,0 % w/v
Broccoli extract*	0,50 % w/v

\*Glucosinates



## Yakarta 22,25 EC\*

Ref. **OP041**



100mL,250mL,500mL,1L,5L,20L,200L,1000L



YAKARTA 22,25 EC its a large spectrum fungicide in form of liquid solution made of tea tree oil(Melaleuca Alternifolia) for preventive and curative control of a variety of fungus, such as the Black Sigatoka on banana trees. It works by inhibiting the germination of spores and mycelium, generating an expansive lesion. YAKARTA 22,25 EC is with no doubt a revolution in plant protection.



Composition:

Tea Tree Oil (Melaleuca Alternifolia)	22,25% w/v
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\*Other commercial trademarks: ATRAKAY

# Antimites



## Avenger 24 SC

Ref. **IN042**



100mL,250mL,500mL,1L,5L,20L,200L,1000L



AVENGER 24 SC is a insecticidal/antimite in form of concentrated suspension made of Spiromesifen, a tetronic acid derivate which acts efficiently against nymphs and eggs for whitefly and mite control. AVENGER 24 SC it's the technological aid to defend your crops.

Composition:

Spiromesifen

24,0% w/v



## Dawa 5 SC

Ref. **AC005**



100mL,250mL,500mL,1L,5L,20L,200L,1000L



DAWA 5 SC is a liquid based antimite insecticidal made of fenpropathrin which targets mobile forms of different mites. It is a highly effective product and an excellent alternative for integrated pest management plans. DAWA 5 SC is an effective solution for controlling mites.

Composition:

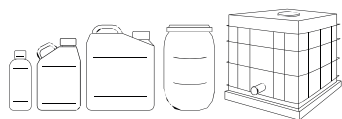
Fenpropathrin

5% w/v



## Presea

Ref. AC006



100mL,250mL,500mL,1L,5L,20L,200L,1000L



PRESEA is a liquid formulation acaricide based on an innovative combination of hexythiazox and fenpyroximate for the control of phytophagous spider mites. Thanks to the combination of different actives, it acts in a variety of forms with high effectiveness. PERSEA, the perfect formule to fight against mites.

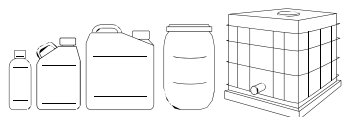
Composition:

Hexythiazox	3,12% w/v
Fenpyroximate	6,24% w/v



## Radiance 24 SC

Ref. IN034



100mL,250mL,500mL,1L,5L,20L,200L,1000L



RADIANCE is an insecticide and antimitic made of chlorfenapyr aimed at fighting against mites and other insects. Its translaminar effect acts by contact and ingestion inside the mites and insects intestines. RADIANCE guarantees mite- and insect-free crops.

Composition:

Chlorfenapyr	24,0% w/v
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## Spicus 24 SC

Ref. IN033



100mL, 250mL, 500mL, 1L, 5L, 20L, 200L, 1000L



SPICUS 24 SC is an antimitic/ insecticide in form of concentrated suspension. Its spiroadiclofen-based formula fights against mites (eriophyides, tenuipalpidae, tétranyques,...) and larvae of different homopterae. It acts on contact by inhibiting lipid synthesis at all stages of development. SPICUS, the latest-generation antimitic to protect your crops.

Composition:

Spiroadiclofen

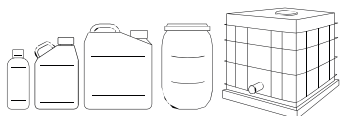
24,0% w/v

# Insecticides



## IONIC 10 EC

Ref. IN037



100mL, 250mL, 500mL, 1L, 5L, 20L, 200L, 1000L



IONIC 10 EC is an insecticide in the form of concentrated emulsion that acts by contact and ingestion on the diaspinos, psyllids and lepidopterans. Its translaminar action affects the insects' growth, making it an efficient product for both prevention and cure. IONIC 10 EC is a highly effective tool for pest control.

Composition:

Pyriproxyfen

10,0% w/v



## KYPPER 53,4 SC FS

Ref. IN036



100mL, 250mL, 500mL, 1L, 5L, 20L, 200L, 1000L



KYPPER SC is a systemic and residual insecticide in concentrated suspension format based on fipronil and imidacloprid for the seeds treatment. It acts on contact and ingestion by generating paralysis and death on a grand variety of insects, including carbamates, cyclodiene and pyrethroids resistant insects. KYPPER SC is the perfect combination for infestation free seeds.

Composition:

Imidacloprid

35,6% w/v

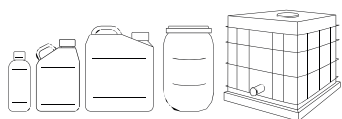
Fipronil

17,8% w/v



## Movi-Go 15 OD

Ref. **IN032**



100mL,250mL,500mL,1L,5L,20L,200L,1000L



Insecticide with a high systemic and contact effect. MOVI-GO 15% OD is a derivative of tetroneic acid and as such inhibits lipid synthesis, so it has a great effect on forms that need to synthesise a large quantity of fatty acids, such as larvae, protozoa and deutonymphs. In addition, it has an ovicidal effect causing the females to be unable to lay Irontile eggs. MOVI-GO 15 % OD acts mainly by ingestion and shows a systemic behaviour through the xylem and phloem (ascending and descending).

Composition:

Spirotetramat

15,0% w/v



## Skytter 20 SC

Ref. **IN035**



100mL,250mL,500mL,1L,5L,20L,200L,1000L



SKYTTER 20 SC is an insecticide in a concentrated suspension formulation based on Chlorantraniliprole, mainly aimed at controlling lepidopteran eggs and larvae. It acts mainly by ingestion but also has a contact effect. SKYTTER 20 SC, the ultimate solution for lepidopteran control.

Composition:

Chlorantraniliprole

20,0% w/v

## Fungicidals



### Decano 23 SC

Ref. **FU063**



100mL, 250mL, 500mL, 1L, 5L, 20L



DECANO 23 SC is a broad-spectrum fungicide with a concentrated suspension formulation based on Fludioxonil. Designed to control post-harvest fungi in the field, it acts by contact as well as residual action, inter Ironing in the process of osmotic regulation of fungal cell membranes. DECANO is a latest-generation fungicide that protects crops after harvest.

Composition:

Fludioxonil

23,0% w/v



### Demolish 25 EC

Ref. **FU037**



100mL, 250mL, 500mL, 1L, 5L, 20L, 200L, 1000L



DEMOLISH is a propiconazole-based liquid systemic fungicide designed to control fungal diseases. With its acropetal action, the formula takes advantage of the xylem network and acts both preventively and curatively. DEMOLISH is an effective solution for protecting crops from fungal attack.

Composition:

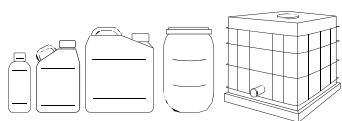
Propiconazole

25,0% w/v



## Kilat 40 SC

Ref. FU051



100mL,250mL,500mL,1L,5L, 20L,200L,1000L



KILAT 40 SC is a fungicide with a concentrated suspension formulation that acts preventively and protectively on contact. Its translaminar and anti-sporulation action prevents the development of fungi such as Phytophthora and mildew. KILAT is a high-tech fungicide for healthy crops.

Composition:

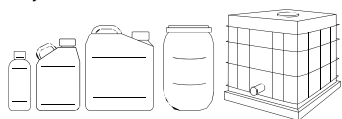
Cyazofamide

40,0% w/v



## Koppa 24,7 SC

Ref. FU039



100mL,250mL,500mL,1L,5L,200L,1000L



KOPPAR 24,7 SC is a systemic fungicide/bactericide suspension concentrate. It has preventive and curative action in controlling a wide range of bacterial and fungal diseases. Its formulation reduces the amount of copper released into the environment by 98%. KOPPAR: the effective, long-lasting fungicide.

Composition:

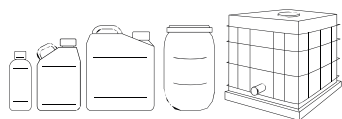
Copper sulphate pentahydrate 24,7% w/v\*

*\*equivalent to 6.30% w/v metallic copper; containing 247 g of active ingredient per litre of commercial product.*



## Mestizo SC

Ref. FU062



100mL,250mL,500mL,1L,5L,20L,200L,1000L



MESTIZO SC is an exclusive, genuine fungicide from Spachem. A concentrated suspension formulation that combines the action of Fludioxonil with the effect of Melaleuca Alternifolia to control a wide variety of fungal diseases before and after harvest in a wide variety of crops, preventing rotting during storage, preservation and transport. MESTIZO represents innovation at the service of agriculture.

Composition:

Fludioxonil	23,0% w/v
Melaleuca alternifolia	22,25% w/v



## Misil 25 SC

Ref. FU058



100mL,250mL,500mL,1L,5L,20L,200L,1000L



MISIL 25 SC is a quinoxifen-based fungicide in concentrated suspension that acts in a curative and preventive form on the infestation of various families of powdery mildew. It has a translaminar effect and a vapour effect that act in a residual way against downy mildew in agricultural crops. MISIL is the best ally for controlling lepidoptera.

Composition:

Quinoxifène	25,0% w/v
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## Platinum Flow

Ref. FU021-02



100mL, 250mL, 500mL, 1L, 5L



PLATINUM FLOW is a copper oxychloride-based fungicide/bactericide in concentrated suspension that acts by contact on different types of fungi such as oidium, mildium or Phytophthora, as well as a wide variety of bacterial diseases. PLATINUM FLOW uses the SC experience for disease control.

Composition:

Copper oxychloride



70,0% w/v\*

\*(700 g/l) (Expressed as Copper)



## Synermix SC

Ref. FU044



100mL, 250mL, 500mL, 1L, 5L



SYNERMIX SC is a fungicide/bactericide/nematocide in a concentrated suspension formulation based on an authentic combination of Spachem; copper sulphate pentahydrate and chitosan with a broad-spectrum fungistatic and bactericidal effect. Thanks to its systemic effect, it works effectively on a wide range of bacteria and fungi. Chitosan also induces lysis of the cuticle of nematode eggs and integument. SYNERMIX is the triple action formulation created by Spachem.

Composition:

Copper sulphate pentahydrate

27,0% w/v

\*(Expressed as Copper (Cu) 6,80% w/v)

Chitosan

6,20% w/v

# Herbicides



## Invictus 24 EC

Ref. **HR019**



100mL,250mL,500mL,1L,5L,20L, 200L,1000L



INVICTUS 24 EC is a contact herbicide in the form of a concentrated emulsion with a short residual life for post-emergence control of broadleaf weeds in sugar cane and maize crops. INVICTUS eliminates weeds with a low risk to the environment.

Composition:

Carfentrazone-ethyl

24,0% w/v



## Stinger

Ref. **HR020**



100mL,250mL,500mL,1L,5L,20L,200L,1000L



STINGER is an oxyfluorophene-based liquid herbicide for the control of broadleaf and narrow-leaved weeds, acting selectively pre-emergence and post-emergence on crops such as onions, garlic and chives, Brassicaceae and certain fruit trees. It acts by contact on membrane formation by inhibiting the enzyme protoporphyrinogen oxidase. STINGER keeps your crops weed-free.

Composition:

Oxyfluorophene

48,0% w/v



## Kalium SL

Ref. **OP017**



100mL,250mL,500mL,1L,5L,20L,200L,1000L



KALIUM SL is a potassium salt-based liquid formulation that acts on molasses and black mould caused by various sucking insects, as well as acting as a wetting agent and stimulant for insecticide treatments. It removes the sticky film from molasses, preventing stomata obstruction and black mould formation. KALIUM is an efficient solution for clean crops.

Composition:

Potassium salt with vegetable fat acids

20,0% w/v



## Nutri-Aktiv Cu 8

Ref. **FU045**



100mL,250mL,500mL,1L,5L,20L,200L,1000L



NUTRI-AKTIV Cu 8 is a liquid organic complex made of copper gluconate that acts as a corrector for copper deficiencies and as an inducer of plants' natural defences against fungal diseases. Its translaminar effect helps the assimilation and absorption of copper and reduces the risk of phytotoxicity. NUTRI-AKTIV Cu 8 also corrects and protects.

Composition:

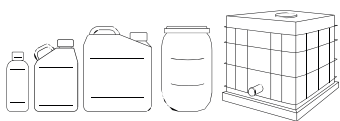
Copper gluconate (Cu)

8,00% w/v



## Nutri-Aktiv Defender

Ref. **OC101**



100mL, 250mL, 500mL, 1L, 5L, 20L, 200L, 1000L



NUTRI-AKTIV DEFENDER is a liquid formulation based on nitrogen and soluble sulphur, the main constituents of plant enzymes and proteins. When deficiencies of these two essential elements are corrected, yield and crop quality are improved. NUTRI-AKTIV DEFENDER is the perfect combination for all your Iron fertilisation options.

Composition:

Nitrogen (N)	10,0% w/v
Sulphur Oxide (SO <sub>3</sub> )	28,9 % w/v



## Nutri-Aktiv Fitoxi Ca-B

Ref. **FU057**



1L, 5L, 20L, 200L, 1000L



NUTRI-AKTIV Ca-B is a liquid phosphite formulation based on calcium and boron that acts as a deficiency corrector and inducer of phytoalexins, phenological compounds linked to plants' natural defences. As a systemic product, it gets the Ca and B to the parts of the plant that need it most, quickly and effectively. NUTRI-AKTIV Ca-B improves flowering and fruit formation.

Composition:

Nitrogen (N)	0,54% w/v
Phosphorus (P <sub>2</sub> O <sub>5</sub> )	29,8% w/v
Calcium (CaO)	8,00% w/v
Boron (B)	0,25% w/v



## Nutri-Aktiv Fitoxi K 70

Ref. **FU031**



1 L, 5L, 20L, 200L, 1000L



NUTRI-AKTIV FITOKI K70 is a liquid formulation of potassium phosphite with a highly concentrated systemic action designed to improve fruit size or grain filling, and to induce the synthesis of phytoalexins, which are phenological compounds linked to the plant's natural defences. NUTRI-AKTIV FITOXI K70 improves fruit size and grain filling.

### Composition:

Phosphorus (P2O5)	42,0% w/v
Potassium (K2O)	28,0% w/v



## Nutri-Aktiv Fitoxi Micros

Ref. **FU064**



1 L, 5L, 20L, 200L, 1000L



NUTRI-AKTIV FITOXI MICROS is a multi-mineral potassium phosphite in a liquid formulation that acts as a corrector for multiple deficiencies and as an inducer of the synthesis of phytoalexins, phenological compounds linked to the plant's natural defences. This systemic product with a balanced composition of microelements is designed to control and reduce the effects of biotic and abiotic stress. NUTRI-AKTIV FITOXI MICROS controls the stress in your crops.

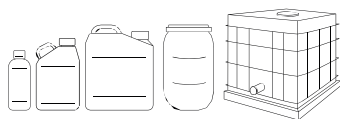
### Composition:

Phosphorus (P2O5)	28,3% w/v
Potassium (K <sub>2</sub> O)	31,6% w/v
Boron (B)	1,60% w/v
Manganese (Mn)	0,03% w/v
Molybdenum (Mo)	1,00% w/v
Zinc (Zn)	0,08% w/v



## Nutri-Aktiv Fitoxi Mo-B

Ref. **FU055**



1L,5L,20L,200L,1000L



NUTRI-AKTIV FITOXI Mo-B is a liquid formulation of potassium phosphite with systemic action that acts as a corrector for molybdenum and boron deficiencies and is involved in the formation of the pollen tube for flower formation and induces the synthesis of phytoalexins, which are phenological compounds linked to the plant's natural defences. NUTRI-AKTIV FITOXI Mo-B is the ideal phosphite for inducing flowering.

Composition:

Phosphorus ( $P_2O_5$ )	28,1% w/v
Potassium ( $K_2O$ )	31,4% w/v
Molybdenum (Mo)	0,60% w/v
Boron (B)	1,90% w/v



## Nutri-Aktiv Fitoxi Zn-B

Ref. **FU056**



1L,5L,20L,200L,1000L



NUTRI-AKTIV FITOXI Mo-B is a liquid formulation of potassium phosphite with systemic action that acts as a corrector for molybdenum and boron deficiencies and is involved in the formation of the pollen tube for flower formation and induces the synthesis of phytoalexins, which are phenological compounds linked to the plant's natural defences. NUTRI-AKTIV FITOXI Mo-B is the ideal phosphite for inducing flowering.

Composition:

Phosphorus ( $P_2O_5$ )	30.0% w/v
Potassium ( $K_2O$ )	40,0% w/v
Boron (B)	0,52% w/v
Zinc (Zn)	0,32% w/v



## Nutri-Aktiv Infinity

Ref. **FU028**



1L,5L,20L,200L,1000L



NUTRI-AKTIV INFINITY is an exclusive formulation of Spachem with potassium phosphite and copper gluconate with systemic and translaminar action, focused on correcting copper deficiencies and introducing the synthesis of phytoalexins, phenological compounds linked to plants' natural defences. It also acts as a healing agent. The phosphite system helps copper to be distributed efficiently throughout the plant. Lacking the Cu of a natural improves the fungicidal and bactericidal effect of copper. NUTRI-AKTIV INFINITY, the phosphite that helps copper get to where it's needed.

Composition:

Nitrogen (N)	10,3% w/v
Phosphorus (P2O5)	17,2% w/v
Potassium (K <sub>2</sub> O)	11,6% w/v
Copper (Cu)	3,50% w/v



## Nutri-Aktiv Movil

Ref. **FU064**



100mL,250mL,500mL,1L,5L,20L,200L,1000L



NUTRI-AKTIV MOVIL is a novel potassium phosphite liquid formulation that provides a balanced combination of different microelements to correct deficiencies and induce the synthesis of phytoalexins, phenological compounds linked to the plant's natural defences. Thanks to its formulation, it is involved in the various phenological processes of crops. NUTRI-AKTIV MOVIL is a versatile and more balanced phosphite.

Composition:

Phosphorus (P2O5)	28,3% w/v
Potassium (K <sub>2</sub> O)	31,6% w/v
Boron (B)	1,60% w/v
Molybdenum (Mo)	1,00% w/v
Zinc-EDTA (Zn)	0,50% w/v
Manganese-EDTA (Mn)	0,20% w/v



## Podachem

Ref. **OC053**



1Kg, 5Kg



PODACHEM is a healing paste based on metallic copper in the form of copper oxychloride, designed to cover wounds caused by pruning, impacts, grafts, etc. to speed up healing and act as a protective barrier against fungal and bacterial attack. PODACHEM heals the scratches and protects against fungal attack.

Composition:

Copper (Cu)	3,7% p/p
Manganese (Mn)	0,6% p/p
Zinc (Zn)	0,6% p/p
Silicon (SiO <sub>2</sub> )	5,9% p/p

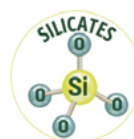


## Silikalzium

Ref. **OC138**



1L, 5L



SILIKALCIUM SC is a concentrated fortifying suspension based on calcium silicate that acts as a protective barrier against fungi and sucking pests thanks to the translaminar effect of the silicon, which is incorporated into the leaf parenchyma and prevents damage to hyphae and stipes. It also acts as a sunscreen, generating an invisible protective layer that reflects solar radiation, preventing damage caused by sunburn. SILIKALCIUM protects your crops.

Composition:

Calcium (CaO)	31,8% w/v
Silicon (SiO <sub>2</sub> )	17,4% w/v



# PLANT DEVELOPMENT ACTIVATORS

They strengthen crops during their development, improving growth, quality and yield.

# Plant Development Activators



## Organic Activators

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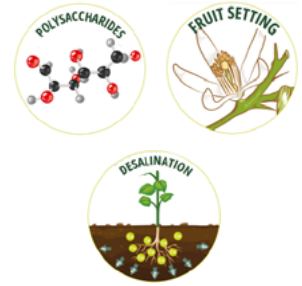


## Macht 10

Ref. ON092



1L, 5L, 20L, 200L, 1000L



MACHT 10 is a liquid amino acid formula focused on activating metabolic processes to promote vegetative crop growth. Its completely balanced aminogram is derived from the enzymatic Ironmentation of micro-organisms, with each amino acid coming from a natural extraction process. MACHT 10 is a latest-generation amino acid formula for accelerating crop development.

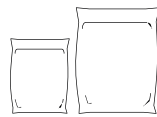
Composition:

Nitrogen (N)	4,50% p/p
Free Amino acids	10,0% p/p



## Nutri-Aktiv Algae Plus

Ref. ON066



250g, 500g, 1Kg, 5Kg



NUTRI-AKTIV ALGAE PLUS is a natural biostimulant in flake form based on *Ascophyllum Nodosum* seaweed extract. Thanks to its composition, it can be used at any stage of development, optimising and improving any process from the earliest stages through to fruit formation. In addition, it has the property of reinforcing and improving the effect of any corrector, Irontiliser or biostimulant applied in a mixture with this product. NUTRI-AKTIV ALGAE PLUS, the power of the Atlantic Ocean to stimulate our crops.

Composition:

Nitrogen (N)	0,88% p/p
Potassium (K <sub>2</sub> O)	20,6% p/p
Amino Acids	1,69% p/p
Seaweed extract ( <i>Ascophyllum Nodosum</i> )	100% p/p
Alginic acid	18,0% p/p
Mannitol	3,31% p/p
Organic matter	25,0% p/p



\*Other commercial trademark: ALGAE PLUS / NUTRI-AKTIV ADVANCED / NUTRI-AKTIV ALGAE PLUS / ALGAEX / NUTRI-AKTIV ALGAE



## Nutri-Aktiv Aminoalgae 25

Ref. **ON071**



1 L, 5 L, 20 L, 200 L, 1000 L



NUTRI-AKTIV AMINO ALGAE 25 is a natural biostimulant in flake form based on *Ascophyllum Nodosum* seaweed extract which, thanks to its composition, can be used at any stage of development, optimising and improving any process from the early stages to fruit formation. In addition, it has the property of reinforcing and improving the effect of any corrector, Ironfertiliser or biostimulant applied in a mixture with this product. NUTRI-AKTIV ALGAE PLUS the power of the Atlantic Ocean to stimulate our crops.



Composition:

Nitrogen (N)	2,65% w/v
Potassium (K <sub>2</sub> O)	2,17% w/v
Magnesium (MgO)	2,30% w/v
Boron (B)	0,50% w/v
Iron (Fe)	0,03% w/v
Molybdenum	0,12% w/v
Free Amino acids	9,50% w/v
Glycine Betaine	0,33% w/v
Seaweed extract ( <i>Ascophyllum Nodosum</i> )	29,5% w/v
Fulvic Acids	0,47% w/v



# Biogreen

Ref. **ON081**



1 L, 5L, 20L, 200L, 1000L



BIOGREEN is a liquid biostimulant based on micro and macro nutrients combined with organic matter, amino acids and Ascophyllum Nodosum algae extracts. Thanks to its formulation, it has different positive effects depending on when it is applied. It promotes precocity, vigour and crop quality, and helps it tolerate stressful situations. BIOGREEN is the most complete biostimulant.

Composition:

Nitrogen (N)	9,40% w/v
Phosphorus (P2O5)	12,8% w/v
Potassium (K2O)	9,70% w/v
Magnesium (MgO)	0,13% w/v
Boron (B)	0,01% w/v
Copper (Cu)	0,0025% w/v
Iron (Fe)	0,20% w/v
Manganese (Mn)	0,003% w/v
Zinc (Zn)	0,02% w/v
Free Amino acids	3,86% w/v
Glycine Betaine	2,09% w/v
Total humic extract	7,40% w/v
Humic Acids	2,40% w/v
Fulvic Acids	3,00% w/v
Seaweed extract (Ascophyllum Nodosum)	5,00% w/v
Alginate	0,08% w/v
Mannitol	0,10% w/v
Organic matter	12,8% w/v



## Dinamiko

Ref. ON096



1L, 5L, 10L



DINAMIKO is a latest-generation biostimulant in the form of a concentrated suspension based on humic extracts at pH 4, algae extracts and amino acids. Thanks to its formulation, various physiological processes in the crop come into play, enhancing root development, improving the assimilation of nutrients in the substrate and homogenising crop size. DINAMIKO: all the latest technologies in a single product.

### Composition:

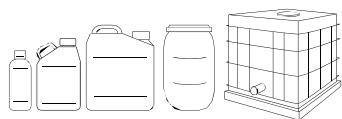


Nitrogen (N)	1,17% w/v
Potassium (K <sub>2</sub> O)	0,38% w/v
Iron (Fe)	0,07% w/v
Total Amino Acids	2,50% w/v
Glycine Betaine	2,83% w/v
Total humic extract	27,4% w/v
Humic Acids	21,4% w/v
Fulvic Acids	6,00% w/v
Seaweed extract ( <i>Ascophyllum Nodosum</i> )	2,40% w/v
Alginic	0,06% w/v
Mannitol	0,03% w/v



# Magnus

Ref. BC004



1 L, 5L, 20L, 200L, 1000L



MAGNUS is a liquid biostimulant based on natural extracts that helps crops to overcome periods of biotic and abiotic stress, as well as stimulating flowering, improving fruit set and optimising harvesting. Applied by fertirrigation, MAGNUS stimulates and strengthens the root system and increases the substrate microbiota.



### Composition:

Nitrogen (N)	8,50% w/v
Copper(Cu)	2,10% w/v
Manganese (Mn)	0,90% w/v
Zinc (Zn)	0,6% w/v (Agent complexant lignosulfonate)
Fulvic Acids	15,3 % w/v
Seaweed extract	4,90% w/v
Alginic	0,13% w/v
Mannitol	0,05% w/v
Organic matter	16,3% w/v
Essential plant oils	2,40% w/v



## Nutri-Aktiv Potasil Humus

Ref. OC076



1 L, 5L, 20L, 200L, 1000L



NUTRI-AKTIV POTASIL HUMUS is a biostimulant based on humic acids and potassium silicate that helps crops to overcome periods of biotic and abiotic stress and improve the nuisance and grain filling of all crops. In addition, thanks to the action of orthosilicic acid, silica crystals become embedded in the parenchyma of the leaves and act as a barrier against fungal attacks, fungi and certain small sucking and chewing insects. NUTRI-AKTIV POTASIL HUMUS is the biostimulant that acts as a protective barrier.

Composition:

Nitrogen (N)	1,10% w/v
Potassium (K <sub>2</sub> O)	32,0% w/v
Silicon (SiO <sub>2</sub> )	12,4% w/v
Total Amino Acids	4,00% w/v
Glycine Betaine	5,00% w/v
Total humic extract	11,4% w/v
Humic Acids	4,00% w/v
Fulvic Acids	7,40% w/v
Organic matter	15,8% w/v

\*Other trademarks: SILIK HUMUS

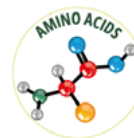


## Nutri-Aktiv Plusfarbe

Ref. OP045



1L,5L,20L,200L,1000L



NUTRI-AKTIV PLUSFARBE is a liquid formulation solution based on proline enriched with potassium and organic acids that promote sugar content, coloration, and production throughout the ripening phase in fruit and table grape crops. NUTRI-AKTIV PLUSFARBE results in larger caliber fruits, perfect color, and sweeter taste.

Composition:

Potassium (K <sub>2</sub> O)	25,5% w/v
Free Amino acids (100% Proline)	2,50% w/v
Organic matter	2,50% w/v



## Stimulflower

Ref. OP078



1L,5L,20L,200L,1000L



STIMULFLOWER is a biostimulant-regulator in a liquid formulation focused primarily on stimulating flowering and optimising setting capacity, as well as inducing the formation of substances essential for certain plant physiological functions. STIMULFLOWER, more flowers, better settled.

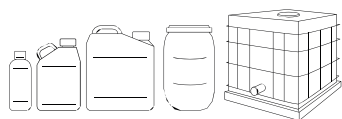
Composition:

Nitrogen (N)	7,90% w/v
Potassium (K <sub>2</sub> O)	2,50% w/v
Magnesium (MgO)	6,85% w/v
Boron (B)	2,70% w/v
Molybdenum (Mo)	0,05% w/v
Seaweed extract (Ascophyllum Nodosum)	32,5% w/v
Alginic	1,14% w/v
Mannitol	0,49% w/v
Organic matter	16,3% w/v



## Stratus

Ref. **ON090**



1 L, 5L, 20L, 200L, 1000L



STRATUS is a biostimulant in liquid form based on amino acids, polysaccharides and seaweed extracts (*Ascophyllum Nodosum*) which acts as a powerful activator of vegetative growth against physiological accidents and helps to improve plant development and optimise the final harvest by improving fruit size. STRATUS is the natural bioactivator that optimizes the harvest.

Composition:

Total Nitrogen (N)	3,21% w/v
Potassium (K <sub>2</sub> O)	2,70% w/v
Iron (Fe)	0,04% w/v
Free amino acids	7,56% w/v
Glycine Betaine	0,40% w/v
Fulvic Acids	11,0% w/v
Seaweed extract	17,6% w/v
Alginic	0,58% w/v
Mannitol	0,72% w/v
Organic matter	37,6% w/v
Polysaccharides	11,7% w/v





# PLANT NUTRITION

Supplements the various macro and micro nutrients that plants need to function properly.

# Plant Nutrition

## Advanced Nutrition

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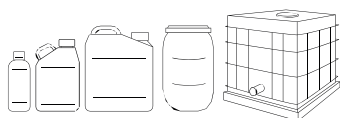
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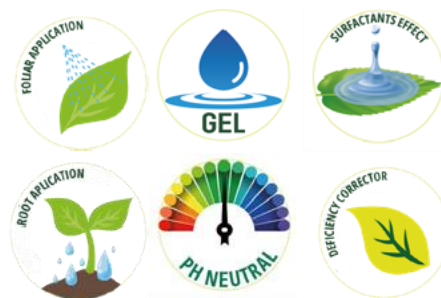


## Nutri-Aktiv 0-35-40 GEL

Ref. **ON057**



1 L,5L,20L,200L,1000L



NUTRI-AKTIV 0-35-40 GEL is a PK deficiency corrector in the form of a neutral pH gel, concentrated in phosphorus and potassium, designed to optimise flowering and improve the quantity and quality of the harvest. Spachem's exclusive GEL technology facilitates the absorption and assimilation of macronutrients by foliage and roots. Greater availability of these elements reduces plant stress and optimises the energy consumed by the plant. NUTRI-AKTIV 0-35-40 GEL improves and increases crop yield.

Composition:

Phosphorus(P2O5)	35,0% w/v
Potassium (K2O)	40,0% w/v

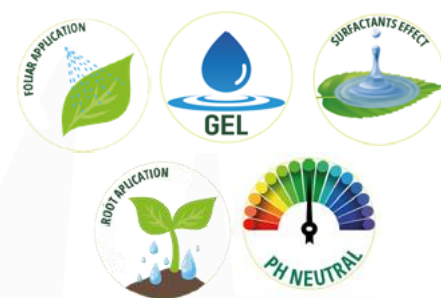


## Nutri-Aktiv 10-5-30 GEL

Ref. **ON063**



1 L,5L,20L,200L,1000L



NUTRI-AKTIV 10-5-30 GEL is a PK deficiency corrector in a gel formulation with a neutral pH, concentrated with phosphorus and potassium and designed to optimise flowering and improve the quantity and quality of the harvest. Spachem's exclusive GEL technology facilitates the absorption and assimilation of macronutrients through the leaves and roots. Increasing the availability of these nutrients reduces plant stress and optimises energy use. NUTRI AKTIV 10-5-30 GEL optimises and increases fruit formation.

Composition:

Nitrogen (N)	10,0% w/v
Phosphorus (P2O5)	5,00% w/v
Potassium (K2O)	30,0% w/v



## Nutri-Aktiv 15-15-15 GEL

Ref. CR055



1 L, 5L, 20L, 200L, 1000L



NUTRI-AKTIV 15-15-15 GEL is a concentrated NPK gel with a neutral pH. Thanks to its excellent solubility, it is particularly suitable for stimulating vegetative growth by foliar or root application.

Composition:

Nitrogen (N)	15,0% w/v
Phosphorus (P2O5)	15,0% w/v
Potassium (K2O)	15,0% w/v



## Nutri-Aktiv 20-20-20 GEL

Ref. CR054



1 L, 5L, 20L, 200L, 1000L



NUTRI-AKTIV 20-20-20 GEL is a highly concentrated and balanced NPK deficiency corrector in gel form with a neutral pH. Its concentration of nitrogen, phosphorus and potassium makes it a versatile product that can be applied as a booster at any stage of crop development. GEL technology, genuine to Spachem, facilitates the absorption and assimilation of macronutrients through the foliage or root system, increasing these nutrients in the plant to reduce stress and optimise its use of energy.

Composition:

Nitrogen (N)	20,0% w/v
Phosphorus (P2O5)	20,0% w/v
Potassium (K2O)	20,0% w/v



## Nutri-Aktiv 8-8-30 GEL

Ref. **ON060**



1 L, 5L, 20L, 200L, 1000L



NUTRI AKTIV 8-8-30 GEL is a rapidly-assimilated NPK gel concentrate with a high potassium content and a neutral pH. It is recommended for foliar application to all crops at critical stages of fruit growth and development. Its application in the final stages of fruit development improves the taste and colour of the fruit. NUTRI AKTIV 8-8-30 GEL speeds up ripening and produces more uniform, nutritious fruit.

Composition:

Nitrogen (N)	8,00% w/v
Phosphorus (P2O5)	8,00% w/v
Potassium (K2O)	30,0% w/v



## Nutri-Aktiv Boro 13 flow

Ref. **OC037**



1 L, 5L, 20L, 200L, 1000L



NUTRI-AKTIV BORO 13 FLOW is a boron deficiency corrector with a concentrated suspension formulation focused on correcting boron deficiencies at times when the plant needs it most, by promoting pollen tube formation to optimise flowering. With each treatment, Spachem's exclusive SC formulation of microparticles increases the plant's effective surface area for absorption, facilitating the assimilation and availability of nutrients and reducing application rates and water consumption. NUTRI-AKTIV BORO 13 FLOW for a fall-free flowering.

Composition:

Boron (B)	13,0% w/v
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## Nutri-Aktiv Calcio Flow

Ref. OC092



1 L, 5L, 20L, 200L, 1000L



NUTRI-AKTIV CALCIO 40 FLOW is a calcium deficiency corrector in the form of a concentrated suspension and is geared towards correcting calcium deficiencies at the times when the plant needs it most, thus promoting fruit formation and reducing the risk of dropping and cracking or microcracking, which can occur as a result of excessive or too rapid size increase.

Composition:

Calcium (CaO)

40,5% w/v



## Nutri-Aktiv Ca-B-Zn Flow

Ref. OC111



1 L, 5L, 20L, 200L, 1000L



NUTRI-AKTIV Ca-B-Zn FLOW is a calcium, boron and zinc deficiency corrector in the form of a concentrated suspension designed to improve flowering and crop settling thanks to the action of calcium on fruit formation, the effect of boron on pollen tube formation as well as the effect of zinc on protein transport and enzyme synthesis. The SC formulation of Spachem's exclusive microparticles increases the actual surface area absorbed by plants, facilitating the assimilation and availability of nutrients and reducing the application rate and water consumption per application. NUTRI-AKTIV Ca-B-Zn FLOW improves flowering and increases harvest.

Composition:

Calcium (CaO)

18,0% w/v

Boron (B)

5,00% w/v

Zinc (Zn)

7,90% w/v



## Nutri-Aktiv Ca-Mg-Zn Flow

Ref. OC112



1 L, 5L, 20L, 200L, 1000L



NUTRI-AKTIV Ca-Mg-Zn FLOW is a corrector of calcium, magnesium and zinc deficiencies in the form of a concentrated suspension aimed at activating the various physiological processes involved in the resistance processes of crops in conditions of environmental stress caused by excess cold or heat, or by episodes of excessive wind. The SC formulation of Spachem's exclusive microparticles increases the plant's actual surface area for absorption, assimilation and availability of nutrients, reducing application doses and water consumption with each treatment.

NUTRI-AKTIV Ca-Mg-Zn FLOW ensures stronger crops in adverse weather conditions.

Composition:

Calcium (CaO)	24,1% w/v
Magnesium (MgO)	15,2% w/v
Zinc (Zn)	7,50% w/v



## Nutri-Aktiv Complex Plus

Ref. OC022



5Kg



NUTRI-AKTIV COMPLEX PLUS is a deficiency corrector in a solid formulation based on a balanced combination of chelated microelements designed to correct deficiencies and provide the plant with the microelements essential for crop development at all stages, but especially for grain fattening and filling. NUTRI- AKTIV COMPLEX PLUS is the perfect balance of trace elements for crop development.

Composition:

Nitrogen (N)	0,50% p/p
Boron (B)	3,50% p/p
Copper (Cu)	1,00% p/p
Iron (Fe)	7,50% p/p
Manganese (Mn)	4,10% p/p
Zinc (Zn)	0,90% p/p
Molybdenum (Mo)	0,20% p/p



## Nutri-Aktiv Fe 6 EDHHA

Ref. OC084



1 Kg, 5Kg, 20Kg

NUTRI-AKTIV Fe EDHHA is an iron deficiency corrector in the form of granules to be dispersed in water, based on 6% EDDHA iron chelate with a proportion of the ortho-ortho(o-o) molecule of 4.8%, the only form that can be assimilated by a plant, without affecting the pH of the soil. Thanks to its formulation, it is a product designed for root application, aimed at increasing the supply of iron at times when it is most needed, by increasing photosynthetic action and therefore cell respiration. NUTRI-AKTIV Fe EDHHA for greener, more vigorous crops.

Composition:

Iron (Fe) soluble	6,00% p/p
Iron o-o EDDHA	4,80% p/p (Fe o-p EDDHA 0,3% p/p)



## Nutri-Aktiv Fe

Ref. OC062



1 L, 5L, 20L, 200L, 1000L



NUTRI-AKTIV Fe is a liquid iron deficiency corrector based on EDTA chelated iron with a maximum level of chelation, guaranteeing the availability of iron at times when it is most needed to improve photosynthetic capacity and cellular respiration. Thanks to its formulation, iron is made available to the plant through foliar and root applications. NUTRI-AKTIV Fe makes iron available at the right time.

Composition:

Iron (Fe) total	6,15% w/v
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## Nutri-Aktiv Gel Complex

Ref. **ON041**



1 L, 5 L, 20 L, 200 L, 1000 L



NUTRI-AKTIV GEL COMPLEX is a multiple deficiency corrector in gel form based on a balanced combination of micronutrients with organic matter and amino acids, designed to supplement crop nutrition in the initial stages and root development, as well as to promote flowering and fruit set. Spachem's exclusive GEL technology facilitates the absorption and assimilation of macronutrients by the foliage and roots, reducing plant stress and optimising the energy consumed by the plant thanks to the greater availability of the element. NUTRI-AKTIV GEL COMPLEX contains all the micronutrients the plant needs in gel form.

Composition:

Nitrogen (N)	13,1% w/v
Phosphorus (P2O5)	5,00% w/v
Potassium (K2O)	8,70% w/v
Boron (B)	0,03% w/v
Copper (Cu)	0,06% w/v
Iron (Fe)	0,12% w/v
Manganese (Mn)	0,06% w/v
Molybdenum (Mo)	0,03% w/v
Zinc (Zn)	0,06% w/v
Free Amino acids	10,0% w/v
Organic matter	9,30% w/v



## Nutri-Aktiv Gel Ureico

Ref. **ON095**



1 L, 5L, 20L, 200L, 1000L



NUTRI-AKTIV GEL UREICO is a nutrient solution in gel form based on urea nitrogen with a low biuret content and enriched with amino acids designed to stimulate vegetative development at the stages of greatest sap movement, especially between the start of development and pre-flowering. GEL technology, exclusive to Spachem, facilitates the absorption and assimilation of macronutrients either by foliar or root action. An increase in macronutrients reduces plant stress and optimises energy use. NUTRI-AKTIV GEL UREICO provides assimilable nitrogen.

Composition:

Nitrogen (N)	23,4% w/v
Free Amino acids (Acide Glutamique)	2,37% w/v



## Nutri-Aktiv Manganesio Flow

Ref. **ON086**



1 L, 5L, 20L, 200L, 1000L



NUTRI-AKTIV MANGANESO FLOW is a manganese deficiency corrector in the form of a concentrated suspension, designed to correct manganese deficiencies at times when the plant needs it most. Manganese is involved in oxidation-reduction enzyme systems and the synthesis of proteins and chlorophyll that stimulate photosynthesis. The SC formulation of microparticles, exclusive to Spachem, increases the plant's effective absorption surface, facilitating the assimilation and availability of nutrients, reducing the application dose and water consumption with each treatment. NUTRI-AKTIV MANGANESO FLOW corrects Manganese deficiencies quickly and effectively.

Composition:

Manganese (Mn)

50,4% w/v



## Nutri-Aktiv Magnesio Flow

Ref. **OC096**



1 L, 5L, 20L, 200L, 1000L



NUTRI-AKTIV MAGNESIO FLOW is a magnesium deficiency corrector in the form of a concentrated suspension, designed to correct magnesium deficiencies at the times when the plant needs it most. Magnesium is essential for the formation of pigments (carotenes and xanthophylls) and acts as an activator of the many enzyme systems involved in energy transfer. The SC formulation of microparticles, exclusive to Spachem, increases the actual surface area absorbed by the plant, facilitating the assimilation and availability of nutrients, reducing the application dose and water consumption with each treatment. NUTRI-AKTIV MAGNESIO FLOW corrects Manganese deficiencies quickly and effectively.

Composition:

Magnesium (MgO)

50,6% w/v



## Nutri-Aktiv Potasa 40 Gel

Ref. OC122



1L,5L,20L,200L,1000L



NUTRI-AKTIV POTASA 40 GEL is a potassium deficiency corrector in the form of a concentrated suspension, aimed at correcting potassium deficiencies at the times when the plant needs it most. Aimed at improving fruit size or grain filling efficiency, as well as bringing forward ripening and promoting colour and sugar content. Spachem's exclusive SC formulation of microparticles increases the plant's effective surface area for absorption, facilitating the assimilation and availability of nutrients, reducing the application rate and water consumption with each treatment. NUTRI-AKTIV POTASA 40 GEL increases the quality and quantity of harvests.

Composition:

Potassium (K<sub>2</sub>O)

40,7% w/v





## Nutri-Aktiv Spaforte

Ref. CR056



1 L, 5L, 20L, 200L, 1000L



NUTRI-AKTIV SPAFORTE is a liquid biostimulant based on NPK and a balanced concentration of perfectly balanced micronutrients aimed at correcting nutritional deficiencies during critical periods sensitive to climatic shocks. Thanks to its neutral pH, this biostimulant can be combined with other products, encouraging their absorption and speeding up the transport of nutrients to the areas of greatest need. NUTRI-AKTIV SPAFORTE ensures strong cultures in the most critical moments.

Composition:

Nitrogen (N)	14,2% w/v
Phosphorus (P2O5)	10,4% w/v
Potassium (K2O)	14,0% w/v
Boron (B)	0,04% w/v
Copper (Cu)	0,07% w/v
Iron (Fe)	0,07% w/v
Molybdenum (Mo)	0,09% w/v
Zinc (Zn)	0,10% w/v
Calcium (CaO)	0,04% w/v
Manganese (Mn)	0,05% w/v
Magnesium (MgO)	0,04% w/v



## Nutri-Aktiv Zinc Flow

Ref. **OC097**



1 L, 5L, 20L, 200L, 1000L



NUTRI-AKTIV Zn 75 FLOW is a zinc deficiency corrector in the form of a concentrated suspension, aimed at correcting zinc deficiencies at the times when the plant needs it most. Zinc acts as an enzymatic cofactor in the synthesis of proteins and nucleic acids; it participates in the formation of chloroplasts and is involved in the formation of auxins. The SC formulation of microparticles, exclusive to Spachem, increases the plant's actual surface area for absorption, facilitating the assimilation and availability of nutrients, reducing the application dose and water consumption with each treatment. NUTRI-AKTIV POTASA 40 GEL improves the health of your crops.

Composition:

Zinc (Zn)	75,2% w/v
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## Nutri-Aktiv Zn-Mn Flow

Ref. **OC098**



1 L, 5L, 20L, 200L, 1000L



NUTRI-AKTIV Zn-Mn FLOW is a corrector for zinc and manganese deficiencies in the form of a concentrated suspension, aimed at correcting deficiencies of these elements at the times when the plant needs them most. Its formulation acts on protein synthesis, promoting optimal development at times of greatest energy demand, such as the start of growth, flowering and fruit formation. The SC formulation of microparticles, exclusive to Spachem, increases the plant's actual surface area for absorption, facilitating the assimilation and availability of nutrients, reducing the application dose and water consumption per treatment. NUTRI-AKTIV POTASA 40 GEL increases the quality and quantity of harvests.

Composition:

Manganese (Mn)	25,2% w/v
Zinc (Zn)	37,4% w/v





## Nutri-Aktiv Zn-Mn Plus

Ref. OC054



1 L, 5L, 20L, 200L, 1000L



NUTRI-AKTIV Zn-Mn PLUS is a zinc and manganese deficiency corrector in gluconate form. Its liquid formula is designed to improve crop growth and yield. Thanks to its formulation, this product is rapidly and effectively assimilated. NUTRI-AKTIV Zn-Mn PLUS improves growth and favours harvesting.

Composition:

Manganese (Mn)	6,50% w/v
Zinc (Zn)	11,5% w/v



## Nutri-Aktiv K(S) 36/24

Ref. CR021



1 L, 5L, 20L, 200L, 1000L



NUTRI-AKTIV K (S) 36/24 is a liquid potassium and sulphur-based solution, designed primarily to improve fruit size and increase grain filling. The combined action of potassium and sulphur not only improves the quality and quantity of the harvest, but also encourages the shoots to set. NUTRI-AKTIV K (S) 36/24 improves crop quality and quantity.

Composition:

Potassium (K2O)	36,0% w/v
Sulphur (SO3)	24,0% w/v

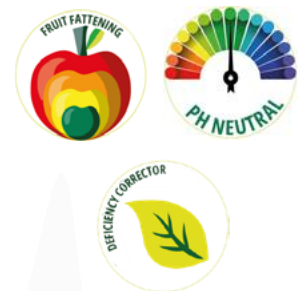


## Nutri-Aktiv K25 Neutro

Ref. OC088



1 L, 5L, 20L, 200L, 1000L



NUTRI-AKTIV K25 NEUTRO is a liquid solution based on potassium combined with free amino acids and with a neutral pH, focused primarily on improving fruit size and increasing grain filling. It can be applied in any kind of mixture, as its neutral pH formula ensures compatibility. NUTRI-AKTIV K25 NEUTRO increases grain size and improves grain filling.

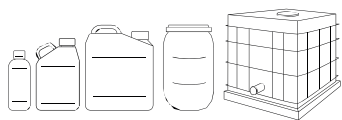
Composition:

Potassium (K2O)	33,0% w/v
Free Amino acids	2,60% w/v

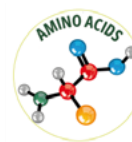


## Nutri-Aktiv Rooter

Ref. **ON064**



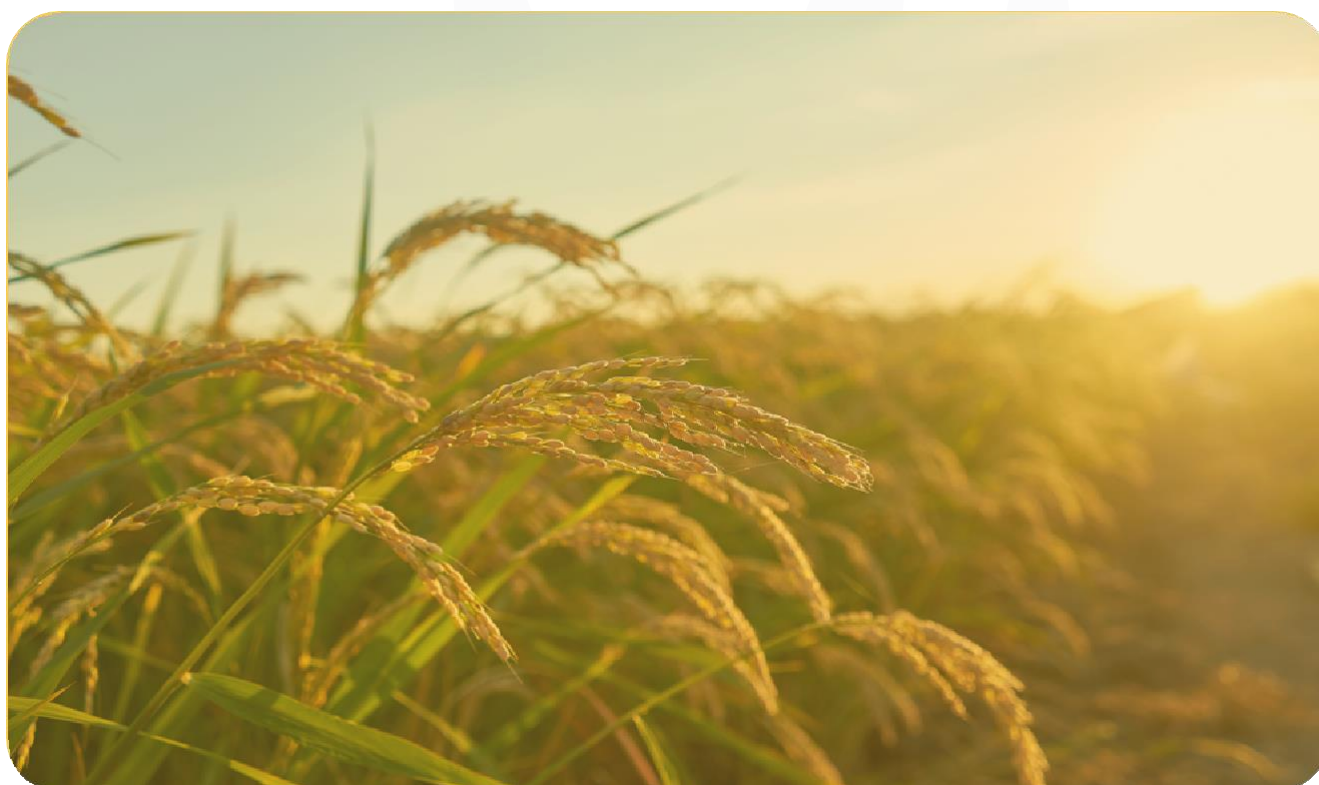
1 L, 5L, 20L, 200L, 1000L



NUTRI-AKTIV ROOTER is a liquid fertiliser based on NPK, amino acids and trace elements, designed to stimulate root development. The properties of the form's various components accelerate root development and improve water and nutrient uptake, boosting crop yields. NUTRI-AKTIV ROOTER for a healthy, powerful root system.

Composition:

Nitrogen (N)	4,80% w/v
Phosphorus (P2O5)	5,20% w/v
Potassium (K2O)	6,10% w/v
Total Amino acids	3,40% w/v
Glycine-Betaine	3,86% w/v
Organic matter	45,0% w/v
Polysaccharides	6,40% w/v
AIB	0,30 w/v





## Nutri-Aktiv Co-Mo Algae

Ref. ON082



1L,5L



NUTRI-AKTIV Co-Mo ALGAE is a concentrated suspension bio-potentiator based on cobalt, molybdenum and algae for treating seeds, mainly soya. Thanks to its formulation, it stimulates and accelerates seed hatching and participates in the early stages of root and germinative stem formation. Spachem's exclusive SC formulation of microparticles increases the plant's effective absorption surface, facilitating the assimilation and availability of nutrients, reducing application doses and water use with each treatment. NUTRI-AKTIV Co-Mo ALGAE accelerates germination and ensures strong, healthy seedlings for transplanting.

Composition:

Cobalt (Co)	1,50% w/v
Molybdenum (Mo)	15,0% w/v
Seaweed extract ( <i>Ascophyllum Nodosum</i> )	28,0% w/v

\*Other trademarks: NUTRI-AKTIV Co-Mo PHYKOS



## Nutri Aktiv Sugar Exi Plus

Ref. OP002



1L,5L,20L,200L,1000L



NUTRI-AKTIV SUGAR EXI PLUS is a liquid fertiliser based on amino acids and polysaccharides designed to promote fruit ripening and improve Brix concentration. Thanks to its formulation, it penetrates quickly and effectively through the leaves and fruit, stimulating and promoting ethylene production and activating all the biochemical processes that lead to earlier ripening. NUTRI-AKTIV SUGAR EXI PLUS ripens fruit to a higher sugar concentration in less time.

Composition:

Nitrogen (N)	3,17% w/v
Calcium Oxide (CaO)	5,41% w/v
Glycine Betaine	0,03% w/v
Organic matter	32,1% w/v
Polysaccharides	32,0% w/v



## Nutri-Aktiv Zn-Mn-(S) ALGAE FS

Ref. **ON106**



1L,5L



NUTRI-AKTIV Zn-Mn (S) ALGAE FS is a concentrated suspension biostimulator based on zinc, manganese, sulphur and algae for the treatment of cereal, legume and oilseed seeds. Thanks to its formulation, it increases germination capacity, promotes initial rooting processes and improves deep development, resulting in more vigorous plants that are more resistant to the stress caused by transplanting. The SC formulation of the microparticles, exclusive to Spachem, increases the plant's effective surface area for absorption, facilitating the assimilation and availability of nutrients, reducing application doses and the use of water for each treatment. NUTRI-AKTIV Zn-Mn (S) ALGAE healthier seeds, stronger seedlings.

Composition:

Sulphur (SO <sub>3</sub> )	8,21% w/v
Manganese (Mn)	10,5% w/v
Zinc (Zn)	30,1% w/v
Glycine-Betaine	0,10% w/v
Seaweed extract	9,00% w/v



# SOIL IMPROVERS

Improves soil structure, encourages root development and enhances potassium and micro-element fixation.

## Soil Improvers

STELO 	50
PLENUS 	51
SUPER FLOSAL HIGH	52





## Stelo

Ref. ON100



1 L, 5L, 20L, 200L, 1000L



STELO is an organic concentrate in a liquid formulation based on organic matter, algae, amino acids of plant origin and a balanced micronutrient content designed to improve the physico-chemical characteristics of the soil, improving CEC, facilitating the assimilation of micronutrients from the soil by the plant and promoting aeration, converting non-assimilable phosphorus in the soil into assimilable phosphorus and increasing the microbiota of the substrate. What's more, thanks to its special formulation and the origin of its raw materials, application doses are much lower than those normally used for this type of product. STELO is the most complete and effective organic material on the market.



### Composition:

Nitrogen (N)	3,93% w/v
Potassium (K <sub>2</sub> O)	4,57% w/v
Magnesium (MgO)	1,01% w/v
Manganese (Mn)	0,12% w/v
Free Amino acids	6,21% w/v
Total Amino acids	16,1% w/v
Glycine-Betaine	12,3% w/v
Fulvic Acids	31,9% w/v
Organic matter	44,9% w/v



# Plenus

Ref. **ON094**



1 L, 5L, 20L, 200L, 1000L



PLENUS is a concentrated suspension soil improver based on exclusive, high-quality leonardite, designed to improve the physico-chemical conditions of the soil to promote crop development. It increases CEC, improves aeration, enhances the substrate's microbiotic fauna and stimulates the root system. The leonardite used by Spachem has an acid pH and the humic and fulvic acids are short-chain, so they have a lower molecular weight which, combined with the properties of the SC formulation of Spachem's exclusive microparticles, increases the actual surface area absorbed by the plant, facilitating the assimilation and availability of nutrients and reducing the application doses and water use in each treatment. PLENUS: Exclusive low pH leonardite, which improves soils with low doses.



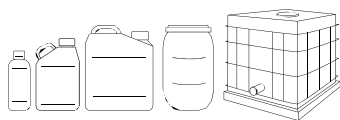
### Composition:

Magnesium (MgO)	0,31% w/v
Total humic extract	26,7% w/v
Humic Acids	20,7% w/v
Fulvic Acids	6,00% w/v



## Super Flosal High

Ref. OP019



1 L, 5L, 20L, 200L, 1000L



SUPER FLOSAL HIGH is a powerful desalination agent for saline and salino-sodic soils in a liquid formulation in which the compound is complexed with lignosulphonate, which also corrects calcium deficiency. This product helps to reduce the amount of salts in the substrate and, combined with drainage and salt washing actions, offers effective results from the first application, recovering the fertility and productive capacity of the most affected soils. SUPER FLOSAL HIGH for productive, salt-free soil.

Composition:

Nitrogen (N)	4,30% w/v
Calcium (CaO)	9,80% w/v

Complexing agent: Lignosulphonate.



# OTHER SOLUTIONS

These products combine different functions to achieve optimum results in a rational way.

## **Other Solutions**

HARDNESS REGULATOR .....	55
RADICAL REDUKTOR .....	55
INDICADOR PLUS 5 .....	56
TRIPLEX INDICATOR .....	56
SINERGYSTIK .....	57





## Hardness Regulator

Ref. OP036



1L, 5L, 20L, 200L, 1000L

HARDNESS REGULATOR acts as a softener, reducing the hardness produced by carbonates and bicarbonates. Its buffering/regulating effect allows the water to maintain pH and hardness at the appropriate levels over time, allowing chemical conditions to be achieved in mixtures of different pesticides and fertilisers, improving their final effect. Dosage varies according to the hardness and pH of the water. Dosage varies according to water hardness and pH.

Composition:

Potassium (K2O)	10,9% w/v
EDTA	20,0% w/v



## Radical Reduktor

Ref. OP035



1Kg, 5Kg

RADICAL REDUKTOR is a hardness sequestrant and pH regulator in solid form based on chelated potassium and citrates that acts as an accommodation for application water. Its range of action extends from 75 ppm water to 2000 ppm water. The dose should be determined according to the initial hardness value of the water. RADICAL REDUKTOR is the strongest adjuvant against the most extreme nature.

Composition:

Potassium (K2O)	6,00% p/p
EDTA	64,0% p/p
Citrates	35,8% p/p



## Indicador Plus 5

Ref. OC085



1 L, 5L, 20L, 200L, 1000L



INDICADOR PLUS 5 is a multifunctional liquid adjuvant based on nitrogen, phosphorus and alkyl polyglycol, designed to homogenise mixtures of plant protection products, fertilisers and nutrients to increase the effectiveness of treatments and optimise water use. It acts as a pH regulator and indicator, surface tension reducer, moistening, antifoam and antifouling agent. The methyl red colour acts as a pH indicator; the compound turns red when the pH is at the optimum level for treatment. INDICADOR PLUS 5: the multi-purpose admixture with built-in pH indicator.

Composition:

Nitrogen (N)	3,47% w/v
Phosphorus (P2O5)	17,4% w/v
Polyalkylene Glyco	35,0% w/v



## Triplex Indicator

Ref. OC106



1 L, 5L, 20L, 200L, 1000L



TRIPLEX INDICATOR is a multifunctional adjuvant designed to condition a wide range of spray water qualities. It is a soluble liquid formulation containing phosphorus and nitrogen salts synergised with surfactants. TRIPLEX INDICATOR acts as a pH regulator, surface tension reducer (promoting wetting phenomena), pH indicator, antifouling and antifoaming agent for plant protection products.

Composition:

Nitrogen (N)	3,43% w/v
Phosphorus (P2O5)	17,1% w/v
Alkyl Glycol (ether)	20,00% w/v



## Sinergystik

Ref. OC142



1 L, 5L, 20L, 200L, 1000L



SINERGYSTIK is a latest-generation multifunctional adjuvant in liquid form based on polyalkylene glycol ethers, designed to improve the effectiveness of treatments with agricultural inputs, whatever the mixture. Thanks to its formulation, when applied to the water used for treatments, it regulates and optimises all the parameters that can influence the effectiveness of treatments. It improves the wetting effect, reduces the drift effect, eliminates foam before or after mixing, improves product penetration by breaking surface tension and increases the sticker effect on leaf surfaces. SINERGYSTIK, why settle for a small improvement if you can improve everything?

Composition:

Polyalkylene Glycol Ethers

14,0 % w/v



## Exportation catalog



GROW THE FUTURE