

# ORGANIC PLANT NUTRITION RANGE



Agro**nutrition**

DE SANGOSSE





# COMPANY VALUES - OUR EXPERTISE

## Committed in sustainable development



A specialist in plant nutritional supplements, Agronutrition is a subsidiary of the De Sangosse Group. De Sangosse group is a global leader in Innovative solutions for plant nutrition, rodenticides and molluscicides.



Agronutrition is a global leader in the development of sustainable plant nutrition solutions which help improve the quality and yield of plant production.



Agronutrition NASAA Certified Organic products provide organic growers and consumers with the confidence that the products that are being used are produced in line with strict national and industry Organic and Biodynamic standards.

## Nutrition Technological Ranges



*Use nature's resources to feed crops.*

Our Biofertiliser range rehabilitates and improves the natural functions and systems of the soil through the use of selected, patented micro-organisms discovered and developed by Agronutrition.



*Support functional and nutritional balance of crops to improve plant development and growth.*

Our NutriCare range is composed of a selection of nutrients and/or natural growth activators that feed the secondary metabolisms of plants, so that they maintain an optimal functional and energy level.



*Precise and targeted nutrition to optimise the yield and quality of crops.*

Our Precision range is composed of complexes of mineral elements that rebalance the nutrition of crops and optimise cultural and environmental practices.





# SUMMARY

**Biofertiliser** p 9-11  
**Products**

.....  
**Nutricare** p12-14  
**Products**

.....  
**Precision** p15-18  
**Products**

# NASAA CERTIFICATE



## Certificate of Registration

Certified Licensee:  
**De Sangosse Australia Pty Ltd**

**ABN: 21 601 609 545**

Certification Number:  
**2771M**

**Primary Address:**  
17/45 Huntley Street , Alexandria, NSW, 2015, AUSTRALIA

**Operation Address / Facilities:**  
3 Av. de l' Orchidée, Processing , Carbonne, 31390 , FRANCE

See the attached Annex for a list of all certified products

PROGRAM	STANDARDS / REGULATIONS	
NASAA (NOS)	Certified in accordance with <b>NASAA Organic and Biodynamic Standard (NOS)</b> Accreditor: IOAS (Reg#: 11) - ISO/IEC 17065 <b>Scope:</b> Processing	Valid Until Date: 30 Sep 2025

*Authorised Signature*

John LePlastrier  
General Manager



*Certificate Issue Date*  
**13 Sep 2023**

**NASAA Certified Organic P/L (NCO)**  
**ACN 101 829 163 Unit 7B, 3 Mount Barker Road, Stirling in the State of South Australia 5152**

**T: +61 8 7231 7700 / F: +61 8 8370 8381**

**E: [info@ncocertifiedorganic.com.au](mailto:info@ncocertifiedorganic.com.au)**

**W: [ncocertifiedorganic.com.au](http://ncocertifiedorganic.com.au)**

## ANNEX

This Annex lists the crops/livestock/products/services registered with NASAA Certified Organic as compliant with the standards and/or market access programs as detailed below. This Annex is only valid when used in conjunction with the corresponding NASAA Certified Organic Certificate of Registration. The Certificate and Annex remain the property of NASAA Certified Organic Pty Ltd to whom it must be returned if required.

### Certified Operation/ Company Name and Address:

De Sangosse Australia Pty Ltd  
 17/45 Huntley Street , Alexandria, NSW, 2015, AUSTRALIA

**Certification Number:** 2771M

CERTIFIED INPUT	PRODUCT CATEGORY	SERVICES	ORGANIC STATUS
Actigreen	Crop Fertilisers and Soil Amendments	NOS	Input for Organic Production
Algonia K	Crop Fertilisers and Soil Amendments	NOS	Input for Organic Production
Amylis	Crop Fertilisers and Soil Amendments	NOS	Input for Organic Production
BASEOS LIQ	Crop Fertilisers and Soil Amendments	NOS	Input for Organic Production
Borozinc	Crop Fertilisers and Soil Amendments	NOS	Input for Organic Production
Connectis	Crop Fertilisers and Soil Amendments	NOS	Input for Organic Production
FIXA MN	Crop Fertilisers and Soil Amendments	NOS	Input for Organic Production
FIXA ZN	Crop Fertilisers and Soil Amendments	NOS	Input for Organic Production
MG 85S	Crop Fertilisers and Soil Amendments	NOS	Input for Organic Production
PURESTIM N	Crop Fertilisers and Soil Amendments	NOS	Input for Organic Production
Ironmax Pro	Crop Management and Pest Control	NOS	Input for Organic Production

DE SANGOSSE



NASAA  
INPUT FOR  
ORGANIC  
PRODUCTION  
Cert. No.  
2771M

# NASAA RANGE

FOR ORGANIC CROPS

## AMYLIS

Nitrogen-Fixing Bacteria

## BASEOS LIQ

Phosphorus-Solubilising Bacteria

## CONNECTIS

Endomycorrhizae

BioFertiliser  
technologies



## ACTIGREEN

Activated Calcium

## ALGONIA K

Potassium

## PURESTIM N

Nitrogen with Amino Acids

NutriCare  
technologies



## BOROZINC

Boron & Zinc Combination

## FIXA Mn

Manganese

## FIXA Zn

Zinc

## Mg 85S

Magnesium & Sulphur

Precision  
technologies



Manufactured by Agronutrition  
and Distributed by:

**Agronutrition**



# AMYLIS



## BioFertiliser technologies

**Bacterial solution : 95% (Bacillus amyloliquefaciens) 10<sup>9</sup> Colony Forming Unit/mL**

### SHELF LIFE OF THE PRODUCT

18 months

## Specifications

### PACK SIZE

5 L

### FORMULATION

Pure Bacteria solution

### FORM

Liquid

### APPLICATION

Fertigation & Soil  
(Bacteria)

### STORAGE CONDITIONS

Keep in original container out of direct sunlight, tightly closed, in a safe place away from children, animals and foodstuffs, at a temperature of between and including 4°C and 25°C. Store away from frost. Do not expose to frost and temperatures > 35 ° C



## Agronomic interests

ROLE OF MICRO-ORGANISM(S)	PRODUCT SPECIFICATIONS	FEATURES AND BENEFITS OF THE FORMULATION
Bacillus amyloliquefaciens / Nitrogen fixation / Production of phytohormones / Solubilisation of phosphorus / Stimulation of root system	Use the resources of nature to feed crops and increase the natural nitrogen supply.  <b>AMYLIS:</b> / Facilitates fixation of atmospheric nitrogen for the plant / Strengthens roots and accelerates emergence / Optimises the plant's assimilation of the soil's phosphorus / Optimises the assimilation of Iron and other microelements such as B and Mg / Increases yield / Improves microbiological activity in the soil / Improves germination	Pure Bacteria solution  Agronutrition has worked for over 10 years on the soil and its natural capacities. We have a strain bank of nearly 350 strains of bacteria identified for their unique properties.  Agronutrition has acquired the expertise to isolate and multiply the species with interesting agronomic properties of several actions Its specialized laboratory has unique human and technological skills in France.

## Directions of use

CROP RECOMMENDATIONS	INSTRUCTIONS FOR USE
Recommendations for use: - Spray the concentrated solution on crop residue** - It is recommended to spray on crop residues, in the morning, evening or on overcast days to avoid excessive exposure to sunlight. - Bury the straw residue by ploughing, or by a shallow tillage of the soil not later than 24 hours after spraying OR sow within 24 hours after application.  ** Application rate and precautions: Water mixture volume: 200L/ha Application rate mentioned on the bacterial product (0,5 L/ha)	Shake before use For better efficiency: use the product alone in a clean spray. Adjust the volume of water to the treated surface Do not apply the product 4 to 7 days before or after herbicide spraying

## Precautions

Can be mixed with most fertilizers and fungicide solutions, only after dilution in the final mixture. When mixed with other products, always perform a compatibility test before. Add the product in last. Do not use chlorinated water or bleach that could destroy bacteria and make the product ineffective. Avoid mixtures with herbicides. Clean the sprayer before use to avoid any rest of active ingredient before use.

**IMPORTANT :** respect the uses, doses, conditions and instructions for use mentioned on the packaging, which are determined according to the characteristics of the product and the applications for which it is recommended. On this basis, conduct the crop and treatments according to the best agricultural practices taking into account, under your responsibility, all the specific factors concerning your farm, such as soil characteristics, weather conditions, cropping methods, cultivars and their specific resistances. AGRONUTRITION guarantees the quality its products only in their initial packaging over the period indicated on the manufacturer's certificates. They guarantee their conformity to the composition indicated on the packaging and to the regulations currently in force. Precautionary measure brochures are available on request. **To request a MSDS, thank you to contact : [infoau@desangosse.com](mailto:infoau@desangosse.com)**

# BASEOS LIQ



## BioFertiliser technologies

### Bacteria selection of:

*Bacillus megaterium*, *Streptomyces beta-vulgaris*, *Burkholderia sp.*: **10<sup>9</sup> CFU/ml**

Bacteria for P solubilisation

The product does not contain genetically modified organisms and pathogenic organisms (salmonella, faecal coliform, aerobic mesophilic and nematode eggs)



## Specifications

### PACK SIZE

1 L - 5 L

### FORMULATION

Pure Bacteria solution

### FORM

Liquid

### APPLICATION

Fertigation & Soil (Bacteria)

### STORAGE CONDITIONS

Keep in original container out of direct sunlight, tightly closed, in a safe place away from children, animals and foodstuffs, at a temperature of between and including 4°C and 25°C. Store away from frost. Do not expose to frost and temperatures > 35 ° C

## Agronomic interests

### ROLE OF MICRO-ORGANISM(S)

*Bacillus megaterium*:

- / Solubilisation of phosphorus
- / Production of phytohormones
- / Stimulation of seed germination

*Streptomyces beta-vulgaris*:

- / Production of phytohormones
- / Stimulation of root system
- / Improvement of microbiological activity in the soil

*Burkholderia sp.*:

- / Root endophyte
- / Solubilisation of phosphorus
- / Production of phytohormones

### PRODUCT SPECIFICATIONS

Use the resources of nature to feed crops and increase the natural phosphorus supply.

BASEOS LIQ :

- / Strengthens roots and accelerates emergence
- / Optimises the plant's assimilation of the soil's phosphorus
- / Optimises the assimilation of Iron and other elements such as Boron and Magnesium
- / Increases yield
- / Improves microbiological activity in the soil

### FEATURES AND BENEFITS OF THE FORMULATION

Pure Bacteria solution

Agro nutrition has worked for over 10 years on the soil and its natural capacities. We have a strain bank of nearly 350 strains of bacteria identified for their unique properties.

Agro nutrition has acquired the expertise to isolate and multiply the species with interesting agronomic properties of several actions  
Its specialized laboratory has unique human and technological skills in France.

## Directions of use

### CROP RECOMMENDATIONS

Recommendations for use:

#### By fertirrigation or directly on soil

Cereals : 500 mL/ha  
Maize and sunflower: 500 mL/ha  
Vegetables: 500 mL/ha  
Grapes and fruit trees : 0,5L/ha applied via the drip irrigation system with first watering.

#### By coating NPK granule fertilisers

5 -10 L/ton of fertiliser

### INSTRUCTIONS FOR USE

Shake before use

For better efficiency: use the product alone in a clean spray.

Adjust the volume of water to the treated surface

Do not apply the product 4 to 7 days before or after herbicide spraying

## Precautions

Can be mixed with most fertilizers and fungicide solutions, only after dilution in the final mixture. When mixed with other products, always perform a compatibility test before. Add the product in last. Do not use chlorinated water or bleach that could destroy bacteria and make the product ineffective. Avoid mixtures with herbicides. Clean the sprayer before use to avoid any rest of active ingredient before use.

IMPORTANT : Respect the uses, doses, conditions and instructions for use mentioned on the packaging, which are determined according to the characteristics of the product and the applications for which it is recommended. On this basis, conduct the crop and treatments according to the best agricultural practices taking into account, under your responsibility, all the specific factors concerning your farm, such as soil characteristics, weather conditions, cropping methods, cultivars and their specific resistances. AGRONUTRITION guarantees the quality its products only in their initial packaging over the period indicated on the manufacturer's certificates. They guarantee their conformity to the composition indicated on the packaging and to the regulations currently in force. Precautionary measure brochures are available on request. **To request a MSDS, thank you to contact : fds-msds@agro-nutrition.fr**

# CONNECTIS



## BioFertiliser technologies

**Composition : 1 000 spores/ml (1% w/w in the preparation)**  
**Fungal preparation - liquid inoculum of Rhizophagus irregularis (Glomus irregulare), DAOM 197198 strain**



### BIOFERTILISER

- > Stimulation of root growth, root development and biomass production
- > Improved nutrients assimilation

## Specifications

### PACK SIZE

1 L - 3 L

### FORM

Liquid

### STORAGE CONDITIONS

Store between 4 and 25°C away from direct sunlight, in a cool and well ventilated place free from moisture. Do not freeze. After opening, store in the refrigerator in its original packaging for 3 weeks. Users should not store the product longer than 18 months from the date of production.

### FORMULATION

Endomycorrhizae - 100% PURE & 100% ALIVE

### APPLICATION

Soil (Endomycorrhizae)

## Agronomic interests

### ROLE OF MICRO-ORGANISM(S)

Endomycorrhizal symbiosis is the earliest known form of plant symbiosis. For more than 400 million years, endomycorrhizal fungi have been attaching themselves to the roots of plants and extending their rhizosphere (this is then known as the mycorrhizosphere). Via this process, the endomycorrhizal fungi help plants to extract the water and mineral elements from the soil that are essential to their growth.

### PRODUCT SPECIFICATIONS

Composed of Rhizophagus irregularis spores, symbiotic soil fungus, Connectis has the ability to attach itself to crop roots to help them assimilate nutrients and water in larger quantities.

Endomycorrhizal fungi stimulate root development, increase mineral and water nutrition, and strengthen resistance to numerous types of stress. Mycorrhizal plants therefore require less fertilisation and irrigation, and are more resistant to difficult growing conditions (water stress, heat stress, salt stress, etc.).

### FEATURES AND BENEFITS OF THE FORMULATION

Connectis is based on research conducted in our Soil Biotechnologies Laboratory.

Agro nutrition has the most innovative in-vitro production technology in Europe and insures full traceability of the production of Connectis, for a rapidly effective Mycorrhization.

## Directions of use

### CROP RECOMMENDATIONS

Suggestions for use	Maximum application dose rate for formulated product (number of spores/plant or hectare)	Number of application per year	Timing
Fruit Tree	1ml - 2ml per plant (1,000 - 2,000 spores/plant)	1	At planting
Grape	0.5ml - 1.5ml per plant	1	Use the lower rate at planting of new vines, increase rate on established vines.
Vegetable Field crops	1 L/ha	1	At crop establishment
Strawberries	500ml - 1 L/ha	1	At planting as a root dip or as a drench following planting
Horticultural crops	1 - 2ml/plant (1,000-2,000 spores/plant)	1	In the substrate when potting

CONNECTIS can be used as a dip treatment before planting, by watering at the time of planting, by addition to the crop substrate or by soaking clods, by localized watering on or along the seed or plant row.

Unsuitable for: Brassicaceae (broccoli, cauliflower, cabbage, kale, rapeseed etc.), and Amaranthaceae (spinach, sugar beet, amaranth etc.) and others.

### INSTRUCTIONS FOR USE

Recommendations for use:

- > Use the product within 24 hours after preparation.
- > Avoid applying fertilizers or fungicides two weeks before the application and within three weeks after application
- > Shake before use.
- > Incompatible materials: phosphorus rich mineral fertilizers, bactericides and fungicides.
- > This product does not contain pathogenic microorganisms or GMOs. It is non-toxic to the environment.
- > When mixing with other products, seek advice from an Agro nutrition technician.

## Precautions

Contains Rhizophagus irregularis (Glomus irregulare). Microorganisms may cause sensitization reactions. Users should wear an anti-aerosol mask (N149 FFP3 type or equivalent), suitable gloves and protective clothing during all phases of preparation handling.

**IMPORTANT** : respect the uses, doses, conditions and instructions for use mentioned on the packaging, which are determined according to the characteristics of the product and the applications for which it is recommended. On this basis, conduct the crop and treatments according to the best agricultural practices taking into account, under your responsibility, all the specific factors concerning your farm, such as soil characteristics, weather conditions, cropping methods, cultivars and their specific resistances. AGRONUTRITION guarantees the quality its products only in their initial packaging over the period indicated on the manufacturer's certificates. They guarantee their conformity to the composition indicated on the packaging and to the regulations currently in force. Precautionary measure brochures are available on request. To request a MSDS, thank you to contact : [infoau@desangosse.com](mailto:infoau@desangosse.com)

# ACTIGREEN

FERTILISER - POWDER FERTILISER CONTAINING CALCIUM AND MAGNESIUM

Agro nutrition

NutriCare  
technologies

## CALCITE ACTIVATED

### ASSOCIATED WITH NUTRIENT(S)

Magnesium: 1.8%  
Calcium: 29.8%



## Specifications

PACK SIZE	CHECK CONDITION OF PRODUCT AT	FORM	STORAGE CONDITIONS
5 KG	36 months	Powder	Store away from humidity.
FORMULATION	APPLICATION	DENSITY	
Natural Calcite	Foliar	1	

## Agronomic interests

ROLE OF ACTIVE INGREDIENT	PRODUCT SPECIFICATIONS	FEATURES AND BENEFITS OF THE FORMULATION
<p>Calcium:</p> <ul style="list-style-type: none"> <li>- Improvement of the yield quality components (preservation, firmness, grade, etc)</li> <li>- Play a part in the meristematic activity</li> </ul> <p>Magnesium:</p> <ul style="list-style-type: none"> <li>- Photosynthesis</li> <li>- Synthesis of carbohydrates and lipids</li> </ul>	<p>Product of a unique patented manufacturing process based on obtaining micro particles of Calcite.</p> <p>Actigreen is the first CO2 supplement fertiliser.</p> <p>Actigreen assist with producing higher levels of chlorophyll offers better drought resistance mitigating water stress.</p>	<p>The Actigreen product is produced by a patented process whereby Calcite is subjected to a very high velocity collision process, producing micro particles that release CO2 at surface level of plant leaves. This in turn benefits the chlorophyll content and development of the leaves into a more robust plant canopy.</p>

## Directions of use

### CROP RECOMMENDATIONS

- > **CEREALS** - Rate: 1 kg/ha in 100L min of water - Timing: 1 application from second node to last leaf unfolded.
- > **MAIZE** - Rate: 1 kg/ha in 100L min of water - Timing: 1 application from stage 4-6 leaves to 6-8 leaves.
- > **POTATOES** - Rate: 1.5 kg/ha in 150L min of water - Timing: 2 applications from tuber formation every 15 days.
- > **BEETS** - Rate: 1.5 kg/ha in 150L min of water - Timing: 1 application on well developed foliage.
- > **GRAPES** - Rate: 1.5 kg/ha in 150L min of water - Timing: 3 applications, 15 days before flowering - 10 days after flowering and from stage fruit set to stage majority of berries touching. Apply 0.5 - 1kg per 100L water rate.
- > **FRUIT TREES AND KIWIFRUIT** - Rate: 2 kg/ha in 200L min of water - Timing: 3 applications during the development of fruit.
- > **SALADS, CARROTS...** - Rate: 1-1.5 kg/ha in 150L min of water - Timing: 2 - 3 application during the vegetative phase.
- > **TOMATO** - Rate: 1.5 kg/ha. - Timing: 3-4 applications - every 15 days.
- > **MELON, TOMATO, COURGETTE...** - Rate: 1.5 kg/ha - Timing: start from flower initiation 2-3 application at 15 day intervals.
- > **BERRY FRUIT** - Rate: 1-1.5 kg/ha - Timing: 3 applications from beginning of flowering - every 15 days.
- > **RICE** - Rate: 0.3 to 1.5 kg/ha in 100L min of water - Timing: 3 applications at 15-45-55 days after sowing on intensive Rice.

### Instructions for use

For best results, use sufficient water to achieve an even crop coverage to the point of run-off. Avoid spraying in very strong sunlight and/or very high temperatures. If possible, apply during evening or early morning especially if day-time temperatures exceed 28°C. Very young foliage and crops under stress may be more susceptible to scorch. Lower doses should be applied in these circumstances and the application interval reduced accordingly. Refer to the Crop Recommendations table for application rates and timings for individual crops.

## Precautions

### MIXING

1. Fill the spray tank with half the required amount of water and start agitation.
2. Shake container well and add the required amount of Actigreen, then add the rest of the water maintaining agitation continuously. When combining with other components in a tank-mix, always add Actigreen first. Do not allow the mixture to stand without agitation.
3. After spraying, clean and rinse the spraying equipment thoroughly.

**IMPORTANT** : respect the uses, doses, conditions and instructions for use mentioned on the packaging, which are determined according to the characteristics of the product and the applications for which it is recommended. On this basis, conduct the crop and treatments according to the best agricultural practices taking into account, under your responsibility, all the specific factors concerning your farm, such as soil characteristics, weather conditions, cropping methods, cultivars and their specific resistances. AGRONUTRITION guarantees the quality its products only in their initial packaging over the period indicated on the manufacturer's certificates. They guarantee their conformity to the composition indicated on the packaging and to the regulations currently in force. Precautionary measure brochures are available on request. **To request a MSDS, thank you to contact : infoau@desangosse.com**

# ALGONIA K

Agro**nutrition**

FERTILISER - A SOLID FERTILISER CONTAINING ORGANIC NITROGEN AND POTASSIUM

NutriCare  
technologies

**SEAWEED EXTRACTS  
SOLID FORM**

ASSOCIATED  
WITH NUTRIENT(S)

Nitrogen: 1%  
Potassium: 17.1%



## Specifications

<b>PACK SIZE</b> 5 KG	<b>CHECK CONDITION OF PRODUCT AT</b> 36 months	<b>FORM</b> Powder	<b>STORAGE CONDITIONS</b> Store away from frost.
<b>FORMULATION</b> Natural seaweed extracts	<b>APPLICATION</b> Foliar and Fertigation	<b>DENSITY</b> 1	

## Agronomic interests

ROLE OF ACTIVE INGREDIENT	PRODUCT SPECIFICATIONS	FEATURES AND BENEFITS OF THE FORMULATION
<p><b>Nitrogen:</b></p> <ul style="list-style-type: none"> <li>- Essential constituent of proteins</li> <li>- Enzymatic role</li> <li>- Photosynthesis</li> </ul> <p><b>Potassium:</b></p> <ul style="list-style-type: none"> <li>- Synthesis and transfer of sugars</li> <li>- Photosynthesis</li> <li>- Water regulation and management</li> </ul>	<p>Algonia K is a bio-stimulating product for foliar application or fertigation.</p> <p>In fertigation, Algonia K stimulates and allows the regeneration of microbial soil life and encourages uptake of nutrients by the roots.</p> <p>In foliar application, Algonia K optimizes photosynthesis and growth.</p>	<p><b>Natural seaweed extracts</b> improve the assimilation of active ingredients on plant leaf surfaces . They improve wetting , spreading and stick ability of these compounds to ensure improved uptake time and reduced losses due to washing off. Crystallising is also avoided due to reduced water evaporation , resulting in an absorption rate of 80-90%.</p>

## Directions of use

CROP RECOMMENDATIONS	Instructions for use
<p><b>FOLIAR APPLICATION</b></p> <ul style="list-style-type: none"> <li>&gt; <b>FRUIT TREES, CITRUS, NURSERIES</b> - Rate: 1 kg/ha in 100L min of water - Timing: 3 applications starting from pre-flowering to petal dropping.</li> <li>&gt; <b>GRAPES</b> - Rate: 1 kg/ha in 100L min of water - Timing: 2-3 applications from fruitset through to harvest.</li> <li>&gt; <b>POTATOES</b> - Rate: 750 g/ha in 100L min of water - Timing: 3-4 applications applied at 10-15 day intervals starting from tuber formation.</li> <li>&gt; <b>CEREALS</b> - Rate: 750 g/ha in 100L min of water - Timing: 1 application on sufficiently developed foliage.</li> <li>&gt; <b>VEGETABLES</b> - Rate: 750 g/ha in 100L min of water - Timing: 3 to 4 applications applied at 10-15 day intervals on sufficiently developed foliage.</li> </ul> <p><b>SOIL APPLICATION AND FERTIGATION</b> Rate/ha : 500g 1 application per week with the fertiliser solution</p>	<p>For best results, use sufficient water to achieve an even crop coverage to the point of run-off.</p> <p>Avoid spraying in very strong sunlight and/or very high temperatures. If possible, apply during evening or early morning especially if day-time temperatures exceed 28°C. Refer to the Crop Recommendations table for application rates and timings for individual crops.</p>

## Precautions

- MIXING**
1. Fill the spray tank with half the required amount of water and start agitation.
  2. Shake the container well before opening and add the required amount of Algonia K, then add the rest of the water maintaining agitation continuously. When combining with other components in a tank-mix, always add Algonia K first. Do not allow the mixture to stand without agitation.
  3. After spraying, clean and rinse the spraying equipment thoroughly.

**IMPORTANT :** respect the uses, doses, conditions and instructions for use mentioned on the packaging, which are determined according to the characteristics of the product and the applications for which it is recommended. On this basis, conduct the crop and treatments according to the best agricultural practices taking into account, under your responsibility, all the specific factors concerning your farm, such as soil characteristics, weather conditions, cropping methods, cultivars and their specific resistances. AGRONUTRITION guarantees the quality its products only in their initial packaging over the period indicated on the manufacturer's certificates. They guarantee their conformity to the composition indicated on the packaging and to the regulations currently in force. Precautionary measure brochures are available on request. **To request a MSDS, thank you to contact : infoau@desangosse.com**

# PURESTIM N

FERTILISER - LIQUID FERTILISER CONTAINING AMINO ACIDS AND NITROGEN

Agro nutrition

NutriCare  
technologies

## FREE AMINO ACIDS

## VEGETAL ORIGIN

## ASSOCIATED WITH NUTRIENT(S)

8% of Total Nitrogen (N)  
13% of Free amino acids



## Specifications

**PACK SIZE**  
10L, 1000L

**FORMULATION**  
FREE AMINO-ACIDS  
Vegetal Origin

**CHECK CONDITION OF PRODUCT AT**  
30 months

**APPLICATION**  
Foliar

**FORM**  
Liquid

**STORAGE CONDITIONS**  
Store away from frost and keep in original container out of direct sunlight and tightly closed.

## Agronomic interests

### ROLE OF ACTIVE INGREDIENT

A selection of Amino-Acids to improve the metabolic activity of plant:  
It's very important to have a well-balanced mixture of Amino-Acids in the plant, in order to obtain the broadest spectrum of cellular activity.

Amino-Acids play an essential role in many physiological processes.

### PRODUCT SPECIFICATIONS

PURESTIM N is a bio-stimulating product for foliar application.

PURESTIM N improves:  
Nitrogen metabolism / Booster / Energy / Photosynthesis / Vegetative development / End of cycle / Maturation / Osmotic and water stress regulation / Germination of seed / Root growth / Flowering / Quality of yield.

### FEATURES AND BENEFITS OF THE FORMULATION

AMINO-ACIDS from VEGETAL ORIGIN

/ Amino acids are usable by the plant. AMINO-ACIDS are natural, stable and neutral substance for foliar spraying.  
They are easily assimilated by the leaves.  
/ Amino acids have a natural complexing effect: the complexing effect is the result of the union of two amino acids with a metal atom (Fe, Cu, Mn, Zn). Amino acids increase the uptake of metal ions by promoting the permeability of the cell membrane. The level of absorption by leaves is really improved.

## Directions of use

### CROP RECOMMENDATIONS

#### FOLIAR APPLICATIONS

Apply in foliar spray 2-4L/ha per application.

Best applied for growth stimulation, used in prevention or during abiotic stress, and/or associated with foliar fertilisers.

**Viticulture:** Apply at 3-4L/ha 3-4 times at 10-14 day intervals from pre-flowering (EL: 1-18) and during berry formation (EL: 27-33). Avoid applying during flowering stages. Apply one application at 4L/ha post harvest.

**Vegetables:** 3L/ha, 1st application at full emergence, repeat applications at 14 day intervals up to 4 applications.

**Kiwifruit:** Apply at 2-4L/ha 1-3 times at 14 day intervals. Application can be made from spring canopy development through to fruit expansion (avoid flowering). From fruit expansion reduce rate to 1-2 L/ha. Always apply in good spray drying conditions. Do not apply within 21 days of harvest. Post harvest, apply one application at 4L/ha.

**Tree Crops (piphruit, stonefruit etc.):** Apply at 2-4L/ha 3-4 applications at 14 day intervals from pre-flowering to fruit enlargement (avoid flowering). Apply one application at 4L/ha post harvest.

**Other Crops:** Apply at 2-4L/ha 2-4 times at 10-14 day intervals on developed foliage.

### Instructions for use

For best results, use sufficient water to achieve an even crop coverage to the point of run-off. Avoid spraying in very strong sunlight and/or very high temperatures.

If possible, apply during evening or early morning especially if day-time temperatures exceed 28°C. Very young foliage and crops under stress may be more susceptible to scorch. Lower doses should be applied in these circumstances and the application interval reduced accordingly. Refer to the Crop Recommendations table for application rates and timings for individual crops. Use outdoors only. Fill the spray tank with half the required amount of water and start agitation. Shake container well and add the required amount of our product, then add the rest of the water maintaining agitation continuously. After spraying, clean and rinse the spraying equipment thoroughly.

## Precautions

### COMPATIBILITY

Always read the product labels and follow the manufacturers' instructions for all products at all times. Some settings, outside the control of the manufacturer or distributor, may have repercussions on the performance of co-applied products. Therefore, the co-application is made at the risk of the end user. When combining with other components in a tank-mix, always add this product last. If there is any doubt at all, consult the manufacturer or distributor concerned.

**IMPORTANT:** respect the uses, doses, conditions and instructions for use mentioned on the packaging, which are determined according to the characteristics of the product and the applications for which it is recommended. On this basis, conduct the crop and treatments according to the best agricultural practices taking into account, under your responsibility, all the specific factors concerning your farm, such as soil characteristics, weather conditions, cropping methods, cultivars and their specific resistances. AGRO-NUTRITION guarantees the quality its products only in their initial packaging over the period indicated on the manufacturer's certificates. They guarantee their conformity to the composition indicated on the packaging and to the regulators currently in force. Precautionary measure brochures are available on request. To request a MSDS, thank you to contact : infoau@desangosse.com

# BOROZINC

## Agro nutrition

FERTILISER - A BLEND OF WATER SOLUBLE BORON AND ZINC FOR FOLIAR FEEDING CROPS

Precision  
technologies

N	P	K	Mg	S	Ca
B	Cu	Fe	Mn	Mo	Zn
13%					4.1%



## Specifications

**PACK SIZE**  
2X5 KG

**FORMULATION**  
Active pH Complex

**CHECK CONDITION OF PRODUCT AT**  
36 months

**APPLICATION**  
Foliar

**FORM**  
Powder (SP)

**DENSITY**  
-

**STORAGE CONDITIONS**  
Store away from humidity.

## Agronomic interests

ROLE OF NUTRIENT(S)	PRODUCT SPECIFICATIONS	FEATURES AND BENEFITS OF THE FORMULATION
<p><b>Boron:</b></p> <ul style="list-style-type: none"> <li>- Role on fertilization - fruit set</li> <li>- Migration on sugars</li> <li>- Protein synthesis</li> <li>- Meristematic activity and growth</li> <li>- Use of auxin in the plant</li> </ul> <p><b>Zinc:</b></p> <ul style="list-style-type: none"> <li>- Growth hormone synthesis</li> <li>- Enzymatic functioning</li> <li>- Protein synthesis</li> </ul>	<p>BOROZINC prevents deficiencies in Boron and/ or in Zinc.</p> <p>BOROZINC is ideally formulated for fruit trees sensitive to Boron and Zinc elements.</p> <p>BOROZINC is a "non russetting" product. Its particularly soft formulation makes it usable in sensitive period of application, period which corresponds to a high growth and to important needs.</p> <p>The rigorous selection of the raw materials used in BOROZINC guarantees to it a 100% solubility and a very fast dissolving in the treatment mixture</p>	<p>Acidifying Base active pH = Complexing and Buffering Organic Acid.</p> <ul style="list-style-type: none"> <li>- Optimal and quick penetration of the elements. Level of absorption close to 100%</li> <li>- Better affinity of the acid mixture with the plant cuticle</li> <li>- No precipitation of the elements on the water calcium (insolubilization)</li> <li>- Highly compatible with most pesticides</li> <li>- Acidifies and stabilizes the pH (buffer power)</li> <li>- Makes soluble the nutritive elements present in the leaf</li> <li>- Highly recommended in the case of hard water</li> </ul>

## Directions of use

### CROP RECOMMENDATIONS

> **FRUIT TREES** (stone fruits, pip fruits, kiwifruit)  
Rate: 2 kg/ha in 200 L minimum of water - Timing: D appearance of floral buds - Bud burst - Pink stage. G/H fall of petals - I fruit setting.  
Rate: 4 kg/ha in 200 L minimum of water - Timing: post harvest before leaf fall or on wood.

> **GRAPES/OLIVES**  
Rate: 2 kg/ha in 400 L minimum of water - Timing: visible clusters / floral buds / after flowering.  
Rate: 4 kg/ha in 200 L minimum of water - Timing: post harvest.

> **FIELD CROPS** (beetroot, rapeseed, sunflowers, etc.)  
Rate: 3 kg/ha in 300 L minimum of water - Timing: 1-2 applications at 10-14 day intervals on well established crops.

Plant tissue analysis is recommended to establish deficiencies.  
Do not exceed the recommended application rates.

### Instructions for use

For best results, use sufficient water to achieve an even crop coverage to the point of runoff.  
Avoid spraying in very strong sunlight and/or very high temperatures. If possible, apply during evening or early morning especially if day-time temperatures exceed 28°C. Very young foliage and crops under stress may be more susceptible to scorch. Lower doses should be applied in these circumstances and the application interval reduced accordingly. Refer to the Crop Recommendations table for application rates and timings for individual crops.

## Precautions

**MIXING**  
1. Fill the spray tank with half the required amount of water and start agitation.  
2. Gradually add the required amount of BOROZINC and then add the rest of the water, maintaining agitation continuously. When combining with other components in a tank-mix, always add BOROZINC last. Do not allow the mixture to stand without agitation.  
3. After spraying, clean and rinse the spraying equipment thoroughly.

**IMPORTANT:** respect the uses, doses, conditions and instructions for use mentioned on the packaging, which are determined according to the characteristics of the product and the applications for which it is recommended. On this basis, conduct the crop and treatments according to the best agricultural practices taking into account, under your responsibility, all the specific factors concerning your farm, such as soil characteristics, weather conditions, cropping methods, cultivars and their specific resistances. AGRONUTRITION guarantees the quality its products only in their initial packaging over the period indicated on the manufacturer's certificates. They guarantee their conformity to the composition indicated on the packaging and to the regulations currently in force. Precautionary measure brochures are available on request. **To request a MSDS, thank you to contact: infoau@desangosse.com**

# FIXA Mn

FERTILISER - MANGANESE FERTILISER SOLUTION

Precision  
technologies



N	P	K	Mg	S	Ca
				72	
B	Cu	Fe	Mn	Mo	Zn
			120		

In g/L for liquid products

## Specifications

### PACK SIZE

10 L

### FORMULATION

Lignosulfonates

### CHECK CONDITION OF PRODUCT AT

30 months

### APPLICATION

Foliar

### FORM

Liquid (SL)

### DENSITY

1.3

### STORAGE CONDITIONS

Store away from frost.

## Agronomic interests

ROLE OF NUTRIENT(S)	PRODUCT SPECIFICATIONS	FEATURES AND BENEFITS OF THE FORMULATION
<b>Manganese:</b> - Enzyme activation - Chlorophyll synthesis - Nitrate reduction and protein synthesis  <b>Sulphur:</b> - Protein constituents - Enzymatic role - Photosynthesis	FIXA Mn prevents and corrects the deficiencies in Manganese of all crops by foliar or soil application.  FIXA Mn guarantees high levels of yield and improves the quality of yield. It brings the nutritional elements Manganese and Sulphur in highly concentrated liquid forms, 100% soluble and of great purity to be efficient.  FIXA Mn is a ready for use liquid product with a very "soft" action on foliage, safe to use and handle.	Lignosulphonates Base: Organic compounds extracted from wood (lignin).  - Natural "chelating" properties = ability to form stable and soluble complexes with metallic ions (Iron-Cu-Mn-Zn) - Natural adjuvant properties: - Wettability (spreading), - Adhesiveness (resistance to wash off), - Humectant effect (preventing crystallising)  Level of absorption close to 80-90%

## Directions of use

### CROP RECOMMENDATIONS

#### > CEREALS

Rate: 3 L/ha in 120 L minimum of water - Autumn/Winter. Timing: 1 to 2 applications from the beginning stage to ears 1 cm.  
 Rate: 2 L/ha in 80 L minimum of water - Spring. Timing: after the second node.

#### > ALL FRUIT CROPS, VINE CROPS, VEGETABLES

Rate: 3 L/ha in 150 L minimum of water.  
 Timing: 1 to 2 applications at 10-14 day intervals.

#### > KIWIFRUIT

Rate: 2L/ha in 500 L minimum of water.  
 Timing applied 1-2 times during the season, at 14-28 day intervals up to 14 days post fruitset.  
 The need for a second application should be based on a current season Leaf test.

### Instructions for use

For best results, use sufficient water to achieve an even crop coverage to the point of run-off. Avoid spraying in very strong sunlight and/or very high temperatures. If possible, apply during evening or early morning especially if day-time temperatures exceed 28°C. Very young foliage and crops under stress may be more susceptible to scorch. Lower doses should be applied in these circumstances and the application interval reduced accordingly. Refer to the Crop Recommendations table for application rates and timings for individual crops.

## Precautions

### MIXING

1. Fill the spray tank with half the required amount of water and start agitation.
2. Shake container well and add the required amount of FIXA Mn, then add the rest of the water maintaining agitation continuously. When combining with other components in a tank-mix, always add FIXA Mn last. Do not allow the mixture to stand without agitation.
3. After spraying, clean and rinse the spraying equipment thoroughly.

IMPORTANT: respect the uses, doses, conditions and instructions for use mentioned on the packaging, which are determined according to the characteristics of the product and the applications for which it is recommended. On this basis, conduct the crop and treatments according to the best agricultural practices taking into account, under your responsibility, all the specific factors concerning your farm, such as soil characteristics, weather conditions, cropping methods, cultivars and their specific resistances. AGRONUTRITION guarantees the quality its products only in their initial packaging over the period indicated on the manufacturer's certificates. They guarantee their conformity to the composition indicated on the packaging and to the regulations currently in force. Precautionary measure brochures are available on request. **To request a MSDS, thank you to contact: infoau@desangosse.com**



# FIXA Zn

FERTILISER - ZINC FERTILISER SOLUTION (SULPHATE)

Precision  
technologies

Agro nutrition

N	P	K	Mg	S	Ca
				57.2	
B	Cu	Fe	Mn	Mo	Zn
					120

In g/L for liquid products

## Specifications

**PACK SIZE**  
10 L

**FORMULATION**  
Lignosulfonates

**CHECK CONDITION OF PRODUCT AT**  
30 months

**APPLICATION**  
Foliar

**FORM**  
Liquid (SL)

**DENSITY**  
1.3

**STORAGE CONDITIONS**  
Store away from frost.



## Agronomic interests

ROLE OF NUTRIENT(S)	PRODUCT SPECIFICATIONS	FEATURES AND BENEFITS OF THE FORMULATION
<p><b>Zinc:</b></p> <ul style="list-style-type: none"> <li>- Growth hormone synthesis</li> <li>- Enzymatic functioning</li> <li>- Protein synthesis</li> </ul> <p><b>Sulphur:</b></p> <ul style="list-style-type: none"> <li>- Protein constituents</li> <li>- Enzymatic role</li> <li>- Photosynthesis</li> </ul>	<p>FIXA Zn prevents and corrects the deficiencies in Zinc of all crops by foliar or soil application.</p> <p>FIXA Zn ensures high levels of yield and improves the quality of crop (dry matter, grades, colouring...). It brings the nutritional elements Zinc and Sulphur in highly concentrated liquid forms, 100% soluble and of great purity to be 100% efficient.</p> <p>FIXA Zn is a ready-to-use liquid product with a very soft action on foliage or on fruits, safe to use and handle.</p>	<p>Lignosulphonates Base: Organic compounds extracted from wood (lignin).</p> <ul style="list-style-type: none"> <li>- Natural "chelating" properties = ability to form stable and soluble complexes with metallic ions (Iron-Cu-Mn-Zn)</li> <li>- Natural adjuvant properties:               <ul style="list-style-type: none"> <li>- Wettability (spreading),</li> <li>- Adhesiveness (resistance to wash off),</li> <li>- Humectant effect (preventing crystallising)</li> </ul> </li> </ul> <p>Level of absorption close to 80-90%</p>

## Directions of use

CROP RECOMMENDATIONS	Instructions for use
<p>&gt; <b>FRUIT TREES</b> (do not use on APRICOTS) Rate: 3 L/ha in 600 L of water. Timing: 1 application before flowering or post-harvest before leaf drop.</p> <p>&gt; <b>KIWIFRUIT</b> Rate: 1 L/ha in minimum of 400L water Timing: 1-2 applications during spring canopy development up to 14 days post fruit set (avoid flowering) 2nd application based on current season leaf test results.</p> <p>&gt; <b>VEGETABLES</b> (outdoor) Rate: apply 3-4 L/ha in 200-300 L minimum of water. Timing: 1-2 applications at 10-14 day intervals on well-established crops.</p> <p>&gt; <b>MAIZE</b> Rate: 3 L/ha in 300 L minimum of water. Timing: 1-2 applications from stage 5-6 leaves at 10-14 day intervals.</p> <p>&gt; <b>FLAX</b> Rate: 5 L/ha in 500 L minimum of water. Timing: 1-2 applications from 5-6 cm stage at 10-14 day intervals.</p>	<p>For best results, use sufficient water to achieve an even crop coverage to the point of run-off.</p> <p>Avoid spraying in very strong sunlight and/or very high temperatures. If possible, apply during evening or early morning especially if day-time temperatures exceed 28°C. Very young foliage and crops under stress may be more susceptible to scorch. Lower doses should be applied in these circumstances and the application interval reduced accordingly. Refer to the Crop Recommendations table for application rates and timings for individual crops.</p>

## Precautions

### MIXING

1. Fill the spray tank with half the required amount of water and start agitation.
2. Add the required amount of FIXA Zn and then add the rest of the water, maintaining agitation continuously. When combining with other components in a tank-mix, always add FIXA Zn last. Do not allow the mixture to stand without agitation.
3. After spraying, clean and rinse the spraying equipment thoroughly.

IMPORTANT: respect the uses, doses, conditions and instructions for use mentioned on the packaging, which are determined according to the characteristics of the product and the applications for which it is recommended. On this basis, conduct the crop and treatments according to the best agricultural practices taking into account, under your responsibility, all the specific factors concerning your farm, such as soil characteristics, weather conditions, cropping methods, cultivars and their specific resistances. AGRONUTRITION guarantees the quality its products only in their initial packaging over the period indicated on the manufacturer's certificates. They guarantee their conformity to the composition indicated on the packaging and to the regulations currently in force. Precautionary measure brochures are available on request. **To request a MSDS, thank you to contact: infoau@desangosse.com**

# Mg 85S

FERTILISER - LIQUID FERTILISER CONTAINING MAGNESIUM

Precision  
technologies

Agro nutrition

N	P	K	Mg	S	Ca
			51	67	
B	Cu	Fe	Mn	Mo	Zn



In g/L for liquid products

## Specifications

### PACK SIZE

10 L

### FORMULATION

Specific Mineral Balance

### CHECK CONDITION OF PRODUCT AT

30 months

### APPLICATION

Foliar

### FORM

Liquid (SL)

### DENSITY

1.225

### STORAGE CONDITIONS

Store away from frost.

## Agronomic interests

ROLE OF NUTRIENT(S)	PRODUCT SPECIFICATIONS	FEATURES AND BENEFITS OF THE FORMULATION
<p>Magnesium:</p> <ul style="list-style-type: none"> <li>- Photosynthesis</li> <li>- Synthesis of carbohydrates and lipids</li> </ul>	<p>Mg 85S prevents and corrects deficiencies in Magnesium on all crops by foliar application.</p>	<p>The unique formulation of this product guarantees maximum foliar uptake, without the risk of phytotoxicity. Designed to achieve nutrient absorption in less than 6 hours.</p>
<p>Sulphur:</p> <ul style="list-style-type: none"> <li>- Protein constituents</li> <li>- Enzymatic role</li> <li>- Photosynthesis</li> </ul>	<p>Mg 85S guarantees optimum yield and quality where there is a Magnesium deficiency. Mg 85S is 100% soluble and of great purity.</p>	<p>This product is formulated with rigorously selected raw materials, guaranteed by quality control, to ensure a perfect safety of use and to optimise the absorption through the leaves.</p>
	<p>Mg 85S is a ready-to-use polyvalent liquid product.</p>	

## Directions of use

### CROP RECOMMENDATIONS

#### > VEGETABLES

Rate: 5 L/ha in 150 L minimum of water.

Timing: 1 to 2 applications at 10-14 day intervals on well-established crops.

#### > GRAPE

Rate: 6-8 L/ha in 200 L minimum of water.

Timing: 2 to 3 applications before and after flowering, then 3-4 applications from bunch closure.

#### > FRUIT TREES AND KIWIFRUIT

Rate: 5 L/ha in 150 L minimum of water.

Timing: 3-4 applications from petal fall then every 10-15 days.

### Instructions for use

For best results, use sufficient water to achieve an even crop coverage to the point of run-off. Avoid spraying in very strong sunlight and/or very high temperatures. If possible, apply during evening or early morning especially if day-time temperatures exceed 28°C. Very young foliage and crops under stress may be more susceptible to scorch. Lower doses should be applied in these circumstances and the application interval reduced accordingly. Refer to the Crop Recommendations table for application rates and timings for individual crops.

## Precautions

### MIXING

1. Fill the spray tank with half the required amount of water and start agitation.

2. Shake container well and add the required amount of Mg 85S, then add the rest of the water maintaining agitation continuously. When combining with other components in a tank-mix, always add Mg 85S last. Do not allow the mixture to stand without agitation.

3. After spraying, clean and rinse the spraying equipment thoroughly.

**IMPORTANT:** Respect the uses, doses, conditions and instructions for use mentioned on the packaging, which are determined according to the characteristics of the product and the applications for which it is recommended. On this basis, conduct the crop and treatments according to the best agricultural practices taking into account, under your responsibility, all the specific factors concerning your farm, such as soil characteristics, weather conditions, cropping methods, cultivars and their specific resistances. AGRONUTRITION guarantees the quality its products only in their initial packaging over the period indicated on the manufacturer's certificates. They guarantee their conformity to the composition indicated on the packaging and to the regulations currently in force. Precautionary measure brochures are available on request. **To request a MSDS, thank you to contact: infoau@desangosse.com**



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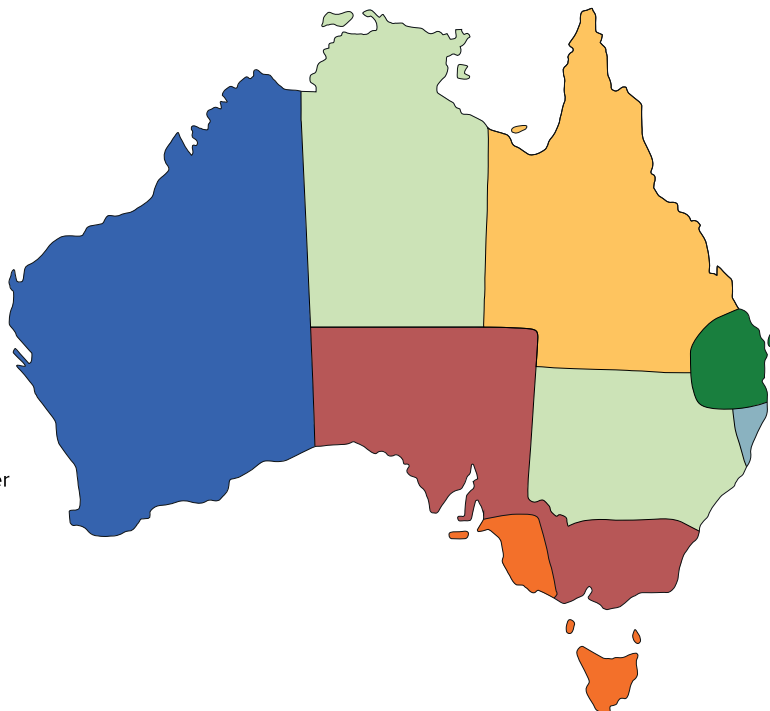
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