

BIOGRO PRODUCTS RANGE



Agro nutrition

Soil, Seed & Plant Nutrition

SPECIALTY NUTRITION FOR CROPS

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.

Agronutrition has made sustainable development (economic, social and environmental) the primary focus of its business strategy. Since 1st of April 2016, our local operations have been renamed De Sangosse New Zealand (previously Mantissa Corporation).



Agronutrition designs, produces and markets the widest range of plant nutritional supplements currently on the market. Agronutrition solutions are intended to improve the quality and/or yield of plant production (field crops, vines, arboriculture, vegetable production) while taking into account industry demands concerning the processing of agri-foodstuffs or non-food products, distribution and consumers.



Thanks to numerous partnerships with the institutional research organisations (CNRS, Universities, Polytechnic Institutes, Agricultural Schools, etc), Agronutrition's Research, Development and Innovation objectives are directed towards the study of plants' natural resources and their surrounding environment (micro-organisms, symbiotic relationships, etc) with a view to implementing them in economically and technically viable agronomical applications.

4 specialist areas

PREVENTION AND TREATMENT OF DEFICIENCIES



Since its creation in 1969 by the SCPA, Agronutrition has become a reference point for the recognition and treatment of nutritional imbalances in plants caused by deficiencies in micronutrients. Author of a globally recognised work*, it offers a collection of solutions (soil and foliar, solid and liquid) adapted for cultural use.

*[Micronutrients in agriculture] by André Loué, published by SCPA – NATHAN

IMPROVEMENT IN QUALITY



By basing its work on its knowledge of the role of mineral elements, in plant physiology, its experience of soil/plant interactions and the practice of applied agriculture techniques, Agronutrition supplies growers with a full range of nutritional supplements. These supplements enable to improve the nutritive qualities and marketable opportunities (protein content, bruise resistance, preservation, sugar content, trace element content, etc) for agricultural crops.

ENVIRONMENTAL FERTILIZATION



Agronutrition develops new fertilization concepts in order to help growers respond to current environmental demands. Micro-fertilization, localized fertilization, foliar fertilization and bioavailability of mineral elements are part of the technologies implemented by the company in order to develop its products and limit their dispersion within the surrounding environment: fine-tuned applications which take into account the soil supplies, the cultural practices and the physiological requirements of crops.

NUTRICITORS



Drawing on a scientific partnership with French National Research Centre, Agronutrition develops an expertise in the field of vegetal Nutricitors (natural nutrition and elicitation). Based on the principle that a plant that is nourished in a balanced way is more resistant to natural environmental challenges. The solutions offered by Agronutrition combine mineral nutrition and natural formulation additives.



SUMMARY

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BioGro New Zealand

Certificate of Compliance

This certificate confirms that the company and operations listed below are certified by BioGro.

Company: **De Sangosse New Zealand Ltd**
468 Sloane Street
Te Awamutu 3841
New Zealand

BioGro Number: **2594**
 First Certified From: **31/08/1998**
 Date of Issue: **23/03/2022**

#	Operation Name	Operation Facility/Address	Scope of Certification(s)	Inputs
1	De Sangosse New Zealand Ltd - 1 - De Sangosse New Zealand Ltd	468 Sloane Street, Te Awamutu 3841, New Zealand	Input Program	Annex A

Certification Valid From: **01/08/2022**
 Anniversary Date / Certificate Valid To: **31/07/2023**
 Renewal Due: **4 Months** Before Expiry

Director: **Donald Nordeng**

The above named licensee is licensed to apply or direct the application of the BioGro Certification trademark provided the product has been produced in accordance with the BioGro Organic Standards by the licensee or under the licensee's supervision at the location named in this certificate. While all due care and skill was exercised in carrying out this assessment, BioGro New Zealand Ltd accepts responsibility only for proven gross negligence. This is not a legal document and cannot be used as such. This certificate remains the property of BioGro New Zealand Ltd to whom it must be returned if required.

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BIOGRO CERTIFICATE



BioGro New Zealand Annex A

Inputs Certification Programme

BioGro Number: 2594

Annex to BioGro
Certificate Number:

2594 De Sangosse
New Zealand Ltd C01
Input Certificate 22-
23 V2

This Annex lists the products and services enrolled in BioGro's Input Certification Programme as compliant for use in organic production or food processing and handling under the standards and/or market access programmes as indicated below. This Annex is only valid when used in conjunction with the BioGro New Zealand Certificate of Compliance.

1 De Sangosse New Zealand Ltd - 1 - De Sangosse New Zealand Ltd

Category	Brand Name	Status	BioGro Organic	IFOAM	MPI OOAP EU	MPI OOAP GB	MPI OOAP Switzerland	MPI OOAP Taiwan	MPI OOAP China	USDA NOP	JAS	Restriction
Soil & Plant Nutrition	Actigreen	P	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Soil & Plant Nutrition	Algonia K	R	✓	✓	✓	✓	✓	✓	✓	✓		Cannot be used on land where crop requires compliance or direct certification to JAS.
Soil & Plant Nutrition	Amylis	P	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Soil & Plant Nutrition	Borozinc	R	✓	✓	✓	✓	✓	✓	✓	✓	✓	Clear justification is required – for example soil/leaf/petiole tests or documented symptoms of deficiency.
Soil & Plant Nutrition	Connectis	P	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Soil & Plant Nutrition	Fixa Mn	R	✓	✓	✓	✓	✓	✓	✓	✓		Clear justification is required – for example soil/leaf/petiole tests or documented symptoms of deficiency. Cannot be used on land where crop requires compliance or direct certification to JAS. (E.g. fresh produce).

Notes:
 Status P: permitted input; can be used without any restrictions and without having to prove need to BioGro.
 Status R: restricted input; can only be used under the specific conditions (restrictions) listed and proven need must be approved by BioGro.
 IFOAM: accredited by IOAS (International Organic Accredited Service).
 MPI OOAP - EU - Ministry for Primary Industries Official Organic Assurance Programme for exports to Europe (EU) in accordance with Article 7 of Regulation (EC) No 1235/2008.
 MPI OOAP - GB: exporting to GB under the equivalency.
 MPI OOAP - Switzerland: exporting to Switzerland under the equivalency.
 MPI OOAP - Taiwan: exporting to Taiwan under the equivalency.
 MPI OOAP - China: exporting to China under the equivalency.
 MPI OOAP - USDA NOP: Certified to the USDA organic regulations, 7CFR Part 205
 JAS – Japanese Agricultural Standard Organic Law

BIOGRO CERTIFICATE

Category	Brand Name	Status	BioGro Organic	IFOAM	MPI OOAP EU	MPI OOAP GB	MPI OOAP Switzerland	MPI OOAP Taiwan	MPI OOAP China	USDA NOP	JAS	Restriction
Soil & Plant Nutrition	Fixa Zn	R	✓	✓	✓	✓	✓	✓	✓	✓		Clear justification is required – for example soil/leaf/petiole tests or documented symptoms of deficiency. Cannot be used on land where crop requires compliance or direct certification to JAS. (E.g. fresh produce).
Crop Management	Ironmax Pro	R	✓	✓	✓	✓	✓	✓	✓	✓	✓	For use when biological, cultural or mechanical methods are not sufficient. Must only be surface-spread between cultivated plants.
Soil & Plant Nutrition	Mg85S	R	✓	✓	✓	✓	✓	✓	✓	✓	✓	Clear justification is required – for example soil/leaf/petiole tests or documented symptoms of deficiency.
Soil & Plant Nutrition	Optyz	P	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Soil & Plant Nutrition	Terramin Pro	P	✓	✓	✓	✓	✓	✓	✓	✓	✓	

Notes:

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MPI OOAP - Switzerland: exporting to Switzerland under the equivalency.

MPI OOAP - Taiwan: exporting to Taiwan under the equivalency.

MPI OOAP - China: exporting to China under the equivalency.

MPI OOAP - USDA NOP: Certified to the USDA organic regulations, 7CFR Part 205

JAS – Japanese Agricultural Standard Organic Law

AMYLIS

BioFertiliser
technologies



Agro**nutrition**

Bacterial solution: 95% (*Bacillus amyloliquefaciens*)
10⁹ Colony Forming Unit/mL

Specifications

PACK SIZE

1 L

FORM

Liquid

STORAGE CONDITIONS - SHELF-LIFE:

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. Shelf-life: 12 months (from date of manufacturing).

FORMULATION

Pure Bacteria solution

APPLICATION

Fertigation & Soil
(Bacteria)

Agronomic interests

ROLE OF MICRO-ORGANISM(S)	PRODUCT SPECIFICATIONS	FEATURES AND BENEFITS OF THE FORMULATION
<p><i>Bacillus amyloliquefaciens</i> /Nitrogen fixation /Production of phytohormones /Solubilisation of phosphorus /Stimulation of root system</p>	<p>Use the resources of nature to feed crops and increase the natural nitrogen supply.</p> <p>AMYLIS: /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 potential</p>	<p>Pure Bacteria solution</p> <p>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.</p> <p>Agronutrition has acquired the expertise to isolate and multiply the species with interesting agronomic properties of several actions.</p>

Directions of use

CROP RECOMMENDATIONS	Instructions for use
<p>- Spray the concentrated solution on crop residue (eg. mulched pruning's, harvested cereal crops stubble, any Inter-row break crops that have been planted and planned to be cycled back into the soil profile). AMYLIS must be applied to a form of carbon source to be effective in its mode of action **</p> <p>- It is recommended to spray on crop residues, in the morning, evening or on overcast days to avoid excessive exposure to sunlight.</p> <p>- Work in the crop 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.</p> <p>- For further questions about application or timings of AMYLIS - please consult with De Sangosse New Zealand staff for further guidance in best practice.</p> <p>** Application rate and precautions: Minimum Water mixture volume: 200L/ha Application rate mentioned on the bacterial product - FOR ALL CROPS - (0.5 L/ha)</p>	<p>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.</p>

Precautions

COMPATIBILITY

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 AMYLIS 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. 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 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 *Rhizopagus 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 *Rhizopagus 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.

Agronutrition 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 Agronutrition technician.

Precautions

Contains *Rhizopagus 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

BOROZINC

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

Precision
technologies



Agro**nutrition**

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



Specifications

PACK SIZE
2X5 KG

SHELF LIFE OF THE PRODUCT
36 months

FORM
Powder (SP)

AMINO-ALCOHOL FREE

STORAGE CONDITIONS
Store away from humidity.

FORMULATION
Active pH Complex

APPLICATION
Foliar

DENSITY
-

Agronomic interests

ROLE OF NUTRIENT(S)	PRODUCT SPECIFICATIONS	FEATURES AND BENEFITS OF THE FORMULATION
Boron: <ul style="list-style-type: none"> - Role on fertilization - nouaison - Migration on sugars - Protein synthesis - Meristematic activity and growth - Use of auxin in the plant 	<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"> - Optimal and quick penetration of the elements. Level of absorption close to 100% - Better affinity of the acid mixture with the plant cuticle - No precipitation of the elements on the water calcium (insolubilisation) - Highly compatible with most pesticides - Acidifies and stabilizes the pH (buffer power) - Makes soluble the nutritive elements present in the leaf - Highly recommended in the case of hard water
Zinc: <ul style="list-style-type: none"> - Growth hormone synthesis - Enzymatic functioning - Protein synthesis 		

Directions of use

CROP RECOMMENDATIONS	Instructions for use
<p>> FRUIT TREES (stone fruits, pip fruits) 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.</p> <p>> CITRUS 2 kg/ha in 400 L minimum water - Timing: apply 2-4 times during stages preflower, fruit set and fruit cell division if required.</p> <p>> KIWIFRUIT Rate: 2kg/ha in 400L minimum of water - Timing: Only apply as post harvest application before leaf fall</p> <p>> 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.</p> <p>> 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.</p> <p>Plant tissue analysis is recommended to establish deficiencies. Do not exceed the recommended application rates.</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. 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 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: fds-msds@agro-nutrition.fr**

ACTIGREEN

FERTILISER - POWDER FERTILISER CONTAINING CALCIUM AND MAGNESIUM

NutriCare
technologies

CALCITE ACTIVATED

ASSOCIATED WITH NUTRIENT(S)

Magnesium: 1.8%
Calcium: 29.8%



Agro nutrition

Specifications

PACK SIZE
5 KG

SHELF LIFE OF THE PRODUCT
36 months

FORM
Powder

AMINO-ALCOHOL FREE

FORMULATION
Natural Calcite

APPLICATION
Foliar

DENSITY
1

STORAGE CONDITIONS
Store away from frost.

Agronomic interests

ROLE OF ACTIVE INGREDIENT

Calcium:
- Improvement of the yield quality components (preservation, firmness, grade, etc)
- Play a part in the meristematic activity

Magnesium:
- Photosynthesis
- Synthesis of carbohydrates and lipids

PRODUCT SPECIFICATIONS

Product of a unique patented manufacturing process based on obtaining micro particles of Calcite.

Actigreen is the first CO2 supplement fertiliser.

Actigreen assist with producing higher levels of chlorophyll offers better drought resistance mitigating water stress.

FEATURES AND BENEFITS OF THE FORMULATION

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 eaves into a more robust plant canopy.

Directions of use

CROP RECOMMENDATIONS

FOLIAR APPLICATIONS

- > **CEREALS** - Rate: 0.3 to 1.5 kg/ha in 100L min of water - Timing: 1 application from second node to last leaf unfolded.
- > **MAIZE** - Rate: 0.3 to 1.5 kg/ha in 100L min of water - Timing: 1 application from stage 4-6 leaves to 6-8 leaves.
- > **POTATOES, VEGETABLES** - Rate: 0.3 to 1.5 kg/ha in 150L min of water - Timing: 2 applications from tuber formation every 15 days.
- > **GLASSHOUSE** - Rate: 0.3 to 1.5 kg/ha in 150L min of water - Timing: 1 application on well developed foliage.
- > **GRAPES** - Rate: 0.5 to 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** - Rate: 0.5 to 2 kg/ha in 200L min of water - Timing: 3 applications during the development of fruit.
- > **KIWIFRUIT** - Rate: 1 to 1.5kg/ha in 200L min water - timing: 3 applications, 15 days before flowering, 10 days after flowering and up to 21 days after fruit set.
- > **LETTUCE, LEAFY VEGETABLES** - Rate: 0.5 to 1.5 kg/ha in 150L min of water - Timing: 2 - 3 application during the vegetative phase.
- > **TOMATO, ZUCCHINI, CUCUMBER, KUMARA** - Rate: 0.5 to 1.5 kg/ha. - Timing: 3-4 applications - every 15 days.
- > **MELON** - Rate: 0.5 to 1.5 kg/ha - Timing: start from flower initiation 2-3 application at 15 day intervals.
- > **BERRY FRUIT** - Rate: 0.5 to 1.5 kg/ha - Timing: 3 applications from beginning of flowering - every 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 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 : fds-msds@agro-nutrition.fr**

ALGONIA K

FERTILISER - A SOLID FERTILISER CONTAINING ORGANIC NITROGEN AND POTASSIUM

NutriCare
technologies



**SEAWEED EXTRACTS
SOLID FORM**

**ASSOCIATED
WITH NUTRIENT(S)**

Nitrogen: 1%
Potassium: 17%



Specifications

PACK SIZE
5 KG

SHELF LIFE OF THE PRODUCT
18 months

FORM
Powder

AMINO-ALCOHOL FREE

FORMULATION
Natural seaweed extracts

APPLICATION
Foliar and Fertigation

DENSITY
1

STORAGE CONDITIONS
Store away from frost.

Agronomic interests

ROLE OF ACTIVE INGREDIENT

Nitrogen:
- Essential constituent of proteins
- Enzymatic role
- Photosynthesis

Potassium:
- Synthesis and transfer of sugars
- Photosynthesis
- Water regulation and management

PRODUCT SPECIFICATIONS

Algonia K is a bio-stimulating product for foliar application or fertigation.

In fertigation, Algonia K stimulates and allows the regeneration of microbial soil life and encourages uptake of nutrients by the roots.

In foliar application foliar applied, Algonia K optimizes photosynthesis and growth.

FEATURES AND BENEFITS OF THE FORMULATION

Natural seaweed extracts 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%.

Directions of use

CROP RECOMMENDATIONS

FOLIAR APPLICATION

> **FRUIT TREES, CITRUS, NURSERIES** - Rate: 1 kg/ha in 100L min of water - Timing: 3 applications starting from pre-flowering to petal dropping.

> **GRAPES** - Rate: 1 kg/ha in 100L min of water - Timing: 2-3 applications from fruitset through to harvest.

> **POTATOES** - Rate: 750 g/ha in 100L min of water - Timing: 3-4 applications applied at 10-15 day intervals starting from tuber formation.

> **CEREALS** - Rate: 750 g/ha in 100L min of water - Timing: 1 application on sufficiently developed foliage.

> **VEGETABLES** - Rate: 750 g/ha in 100L min of water - Timing: 3 to 4 applications applied at 10-15 day intervals on sufficiently developed foliage.

SOIL APPLICATION AND FERTIGATION

Rate/ha : 500g - Timing: 1 application per week with the fertiliser solution

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. 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 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 : fds-msds@agro-nutrition.fr**

Mg 85S

FERTILISER - LIQUID FERTILISER CONTAINING MAGNESIUM

Precision
technologies



Agro**nutrition**

N	P	K	Mg	S	Ca
			50.9	66.6	
B	Cu	Fe	Mn	Mo	Zn

In g/L for liquid products



Specifications

PACK SIZE

10 L

SHELF LIFE OF THE PRODUCT

36 months

FORM

Liquid (SL)

AMINO-ALCOHOL FREE

STORAGE CONDITIONS

Store away from frost.

FORMULATION

Specific Mineral Balance

APPLICATION

Foliar

DENSITY

1.225

Agronomic interests

ROLE OF NUTRIENT(S)

Magnesium:

- Photosynthesis
- Synthesis of carbohydrates and lipids

Sulfur:

- Protein constituents
- Enzymatic role
- Photosynthesis

PRODUCT SPECIFICATIONS

Mg 85S prevents and corrects deficiencies in Magnesium on all crops by foliar application.

Mg 85S guarantees optimum yield and quality where there is a Magnesium deficiency. Mg 85S is 100% soluble and of great purity.

Mg 85S is a ready for use and is a polyvalent liquid product.

FEATURES AND BENEFITS OF THE FORMULATION

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.

This product is formulated with rigorously selected raw materials, guaranteed by quality control, to ensure a perfect safety of use and to optimize the absorption through the leaves.

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

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

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

> KIWIFRUIT

Rate: 5-8 L/ha in 400 L minimum of water.

Timing: 3-4 applications at 15 day intervals during spring canopy development up to 14 days post fruit set (avoid fruit skin sensitivity stage) continue applications 50 days post fruit set up to 14 days pre harvest.

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: fds-msds@agro-nutrition.fr**

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

LS
ligno
sulfonates

Specifications

PACK SIZE

10 L

SHELF LIFE OF THE PRODUCT

24 months

FORM

Liquid (SL)

AMINO-ALCOHOL FREE

STORAGE CONDITIONS

Store away from frost.

FORMULATION

Lignosulfonates

APPLICATION

Foliar

DENSITY

1.3

Agronomic interests

ROLE OF NUTRIENT(S)

Zinc:

- Growth hormone synthesis
- Enzymatic functioning
- Protein synthesis

Sulphur:

- Protein constituents
- Enzymatic role
- Photosynthesis

PRODUCT SPECIFICATIONS

FIXA Zn prevents and corrects the deficiencies in Zinc of all crops by foliar or soil application.

FIXA Zn ensures high levels of yield and improves the quality of yield (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.

FIXA Zn is a ready for use liquid product with a very "soft" action on foliage or on fruits, safe to use and handle.

FEATURES AND BENEFITS OF THE FORMULATION

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 cristallizing)

Level of absorption close to 80-90%

Directions of use

CROP RECOMMENDATIONS

> FRUIT TREES (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.

> VEGETABLES (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.

> MAIZE

Rate: 3 L/ha in 300 L minimum of water.

Timing: 1-2 applications from stage 5-6 leaves at 10-14 day intervals.

> FLAX

Rate: 5 L/ha in 500 L minimum of water.

Timing: 1-2 applications from 5-6 cm stage at 10-14 day intervals.

> CITRUS

Rate: 3 L/ha in 400 L water minimum.

Timing: apply once on Spring and Autumn flush and again at fruit set.

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. 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. If any doubt always consult the distributor, De Sangosse NZ.

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: fds-msds@agro-nutrition.fr**

FIXA Mn

FERTILISER - MANGANESE FERTILISER SOLUTION

Precision
technologies



Agro
nutrition

N	P	K	Mg	S	Ca
				71.24	
B	Cu	Fe	Mn	Mo	Zn
			120		

In g/L for liquid products

LS
ligno
sulfonates

Specifications

PACK SIZE

10 L

SHELF LIFE OF THE PRODUCT

24 months

FORM

Liquid (SL)

AMINO-ALCOHOL FREE

STORAGE CONDITIONS

Store away from frost.

FORMULATION

Lignosulfonates

APPLICATION

Foliar

DENSITY

1.3

Agronomic interests

ROLE OF NUTRIENT(S)

Manganese:

- Enzym activation
- Chlorophyll synthesis
- Nitrate reduction and protein synthesis

Sulphur:

- Protein constituents
- Enzymatic role
- Photosynthesis

PRODUCT SPECIFICATIONS

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.

FEATURES AND BENEFITS OF THE FORMULATION

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 cristallizing)

Level of absorption close to 80-90%

Directions of use

CROP RECOMMENDATIONS

> CEREAL

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.

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: fds-msds@agro-nutrition.fr**



ORGANIC PLANT AND SOIL BIOSTIMULANT

COMPOSITION:

Total L-α amino acids	22.32% w/v
Total Organic Nitrogen	7.44% w/v
Total Nitrogen	7.44% w/v
pH	7
Density	1.24 g/ml
Pack Size	20L



- Terramin Pro has the highest concentration of free L-α-amino acids currently in BioGro certified products on the New Zealand market.
- Terramin Pro is BioGro certified for use in organic farming.
- The free L-α-amino acids present in Terramin Pro are obtained by the exclusive Enzyneer® technology, process of obtaining amino acids recognised in Organic Farming.
- Organic Nitrogen of fast assimilation coming entirely from the L-α-amino acids, as no nitrogen is added to the formulation of Terramin Pro.
- The high content of organic matter in Terramin Pro is an advantage by improving the natural conditions of the rhizosphere and increasing root development.
- Terramin Pro provides the fertilisation that the soil microbiota needs for optimal crop development.

RECOMMENDED RATES:

Root Application: Apply through irrigation water between 5-10L/ha every 7-14 days during critical periods or according to the demand of the crop.

Foliar application: Apply in foliar spray to 3-4ml/L of water (3-4L/ha) per application.

Viticulture: Apply Terramin Pro 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 Terramin Pro during flowering stages. Apply one application at 4L/ha post harvest.

Vegetables: 1st application at full emergence, repeat applications at 14 day intervals up to 4 applications.

Kiwifruit: Apply Terramin Pro at 3-4L/ha 1-3 times at 14 day intervals. Apply during spring canopy development up to 14 days post fruit set (avoid flowering). Apply one application at 4L/ha post harvest.

Do not apply Terramin Pro with any copper-based products (leave 7 day intervals either side of copper applications before applying Terramin Pro) and avoid all applications with use of mineral oils.

Manufactured by:



Distributed in New Zealand by:



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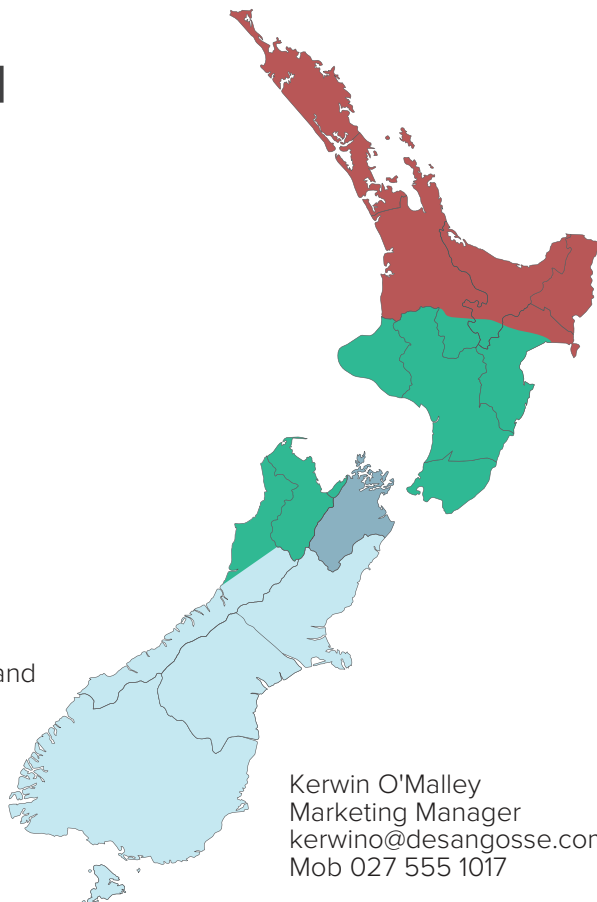
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