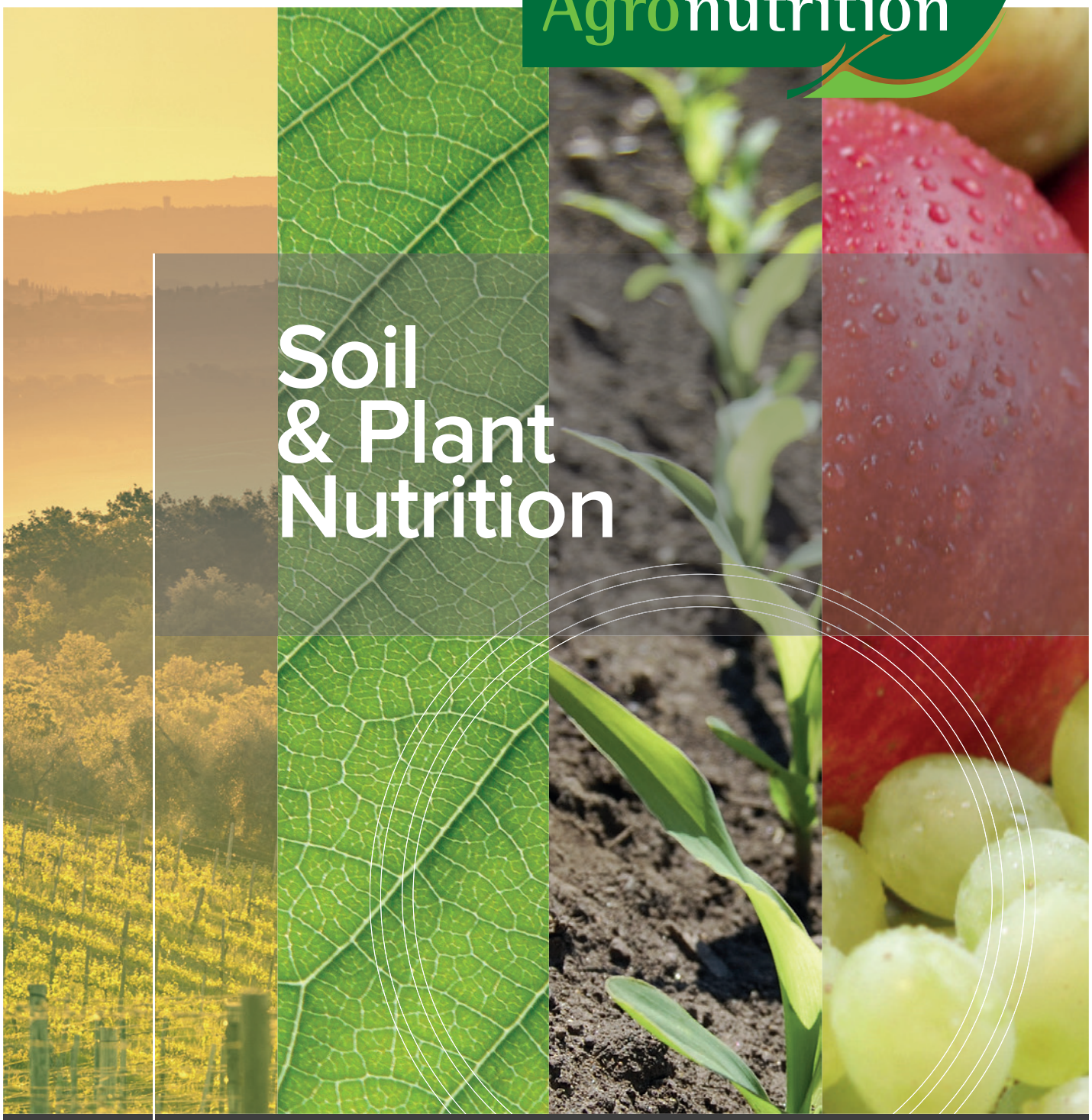
PRODUCT RANGE

Agronutrition



Soil & Plant Nutrition

SPECIALTY NUTRITION FOR CROPS

DE SANGOSSE

COMPANY VALUES - OUR EXPERTISE

Committed in sustainable development

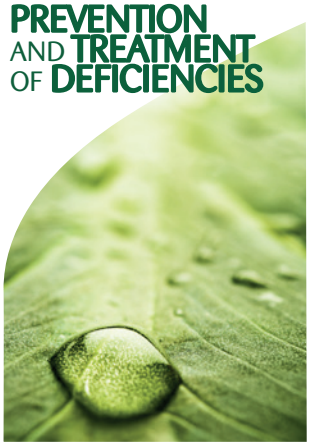
A specialist in plant nutritional supplements, Agronutrition is a subsidiary of the De Sangosse Group.
Agronutrition has made sustainable development (economic, social and environmental) the primary focus of its business strategy. Since 1st of April 2016, our local operations have been renamed De Sangosse 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, particularly trace 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 FERTILISATION

Agronutrition develops new fertilisation concepts in order to help growers respond to current environmental demands. Micro-fertilisation, localized fertilisation, foliar fertilisation 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 AND BIOSTIMULANTS

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

PRODUCT	N	P	K	Mg	S	Ca	B	Cu	Fe	Mn	Mo	Zn	Other	FORM	FORMULATION
ACRECIO	120	21	82											LIQUID	AA -AH ACRECIACTIV
ACTIFLOW Mg				298										LIQUID	SC
ACTIFLOW Mn560	92									560				LIQUID	SC
ACTI-FULV			50.4												FULVIC AND HUMIC ACIDS
ACTIGREEN				1.8%		29.8%									
ALCYGOL MoB							40				8			LIQUID	SW
ALGONIA K	1%		17%												SW
AMINOQUELANT FE	16								40				Free AA 40		AA
AMINOQUELANT MINORS	21			3			1	760 mg/L	23	7	traces	7		LIQUID	AA
AMYLIS	Bacterial solution: 95% (Bacillus amyloliquefaciens) 10^9 Colony Forming Unit/mL														
AZOFOL NS	300			19	26									LIQUID	SR
BORONIA Mo	60						120			1.2	6			LIQUID	LS
BOROZINC							13%					4.1%		POWDER	PHA
BRASSIMAX	7.3%			3.67%			8.4%	2%		1.6%	0.04%			POWDER	SMB
BUD COMPLEX	2.8%	3%		9.4%			2.4%					3.9%		POWDER	SMB
CAPFOL		23				134						11		LIQUID	PHA
CIGOPHOL K		104.4	262.9				8							LIQUID	SMB
CIGOPHOS CA	58	129				71								LIQUID	PHA
FERTIGOFOL Ultra	107	14	71	780 mg/L	520 mg/L		500 mg/L	140 mg/L	250 mg/L	500 mg/L	50 mg/L	400 mg/L		LIQUID	AA
FERTIGONIA 6-5-30	6%	5%	30%	2%	10%		0.01%	0.0075%	0.026%	0.032%		0.023%		POWDER	
FERTIGONIA 20-9-17	20%	9%	17%	0.3%			0.01%	0.0075%	0.026%	0.032%		0.023%	0.007% Co	POWDER	
FIXA B							135				280 mg/L			LIQUID	LS
FIXA Ca						142.2								LIQUID	LS
FIXA Cu					58			120						LIQUID	LS
FIXA Mg	84			71										LIQUID	LS
FIXA Mn					71					120				LIQUID	LS
FIXA Multi				8%			1%		3.5%	3.5%		3.5%			LS
FIXA Zinc					57							120		LIQUID	LS
INICIUM	5.5%	5.5%													
KIWI FRUIT COMPLEX	6.4%	1.29%	2.92%	7.95%			0.04%		1.35%	0.04%		1.5%			SMB

Contents in g/L (or in % w/w) LS: Lignosulfonates - SC: Suspension concentrate - AA: Amino-Acids - AH: Humic and Fulvic Acids - MG: Micro granule - SMB: SMB: Specific Mineral Balance
PHA: PHA: Active pH Complex - SR: SR: Nitrogen slow release - NUV: NUV: Nutricitors - SW: SW: Natural Seaweed Extracts

SUMMARY (next)

PRODUCT	N	P	K	Mg	S	Ca	B	Cu	Fe	Mn	Mo	Zn	Other	FORM	FORMULATION
MELSPRAY 6-5-30	6%	5%	30%	2%			100 ppm	75 ppm	260 ppm	320 ppm		230 ppm		POWDER	
Mg85S				50.9	66.6									LIQUID	SMB
MICROSTAR PZ	10%	17.4%			4.4%							2%		MICRO	MG
NECTAR INTENSE						113.5									NUV
NEXAR Ca						141.8								LIQUID	SW
NEXAR K	43		273												SW
NEXAR Mg	79.2			71.8											SW
NOVAPHOS CaZn	50	102.68				202.06						120		LIQUID	SC
ONE.A PROLINE						143								LIQUID	AA
PANCAL	149			18		160	7.5					3		LIQUID	SMB
SEALEAF ORIGIN	65		57											LIQUID	SW
TERRA-SORB COMPLEX	41			3			11		7	740 mg/L	traces	740 mg/L	Free AA 149	LIQUID	AA
THIOMAX C	42				394			6		10				LIQUID	LS
UNION	Contains a blend of organo silicone and latex														
ULTRAMANG	93.6				106.8					400				LIQUID	SC

Contents in g/L (or in % w/w) LS: Lignosulfonates - SC: Suspension concentrate - AA: Amino-Acids - AH: Humic and Fulvic Acids - MG: Micro granule - SMB: SMB: Specific Mineral Balance
PHA: Active pH Complex - SR: SR: Nitrogen slow release - NUV: NUV: Nutricitors - SW: SW: Natural Seaweed Extracts

BIOSTIMULANT FOR PLANTS - ROOT DEVELOPER

MADE IN FRANCE

ACRECIO

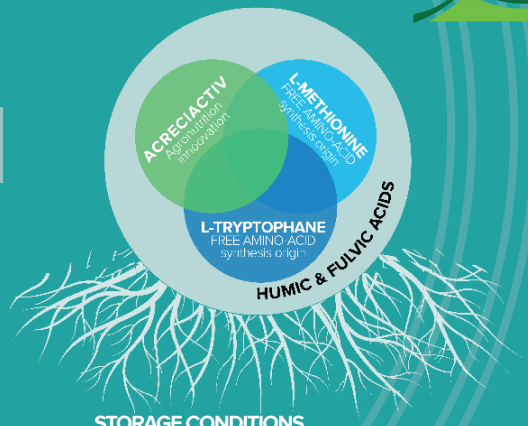
FERTILISER

NutriCare technologies

L-TRYPTOPHANE
L-METHIONINE
HUMIC ACIDS
ACRECIACTIV

ASSOCIATED WITH NUTRIENT(S)

Nitrogen (N): 120 g/L
Phosphorus (P): 21.5 g/L
Potassium (K): 82.2 g/L



Specifications

PACK SIZE
10 L, 200 L, 1000 L

FORMULATION
Acreciactiv molecule - Pure FREE Amino-Acids - Humic & Fulvic Acids

SHELF LIFE OF THE PRODUCT
36 months

APPLICATION
Soil

FORM
Liquid (SL)

DENSITY
1.27

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

Agronomic interests

ROLE OF ACTIVE INGREDIENT

Auxin is mostly synthesized from L.Tryptophane, its natural precursor. Auxin is involved in root development, both lateral and in depth.

L.Methionine is involved in production of ethylene. Ethylene is produced massively during cell division.
In association with Auxin, they amplify rhizogenesis.

ACRECIACTIV is a new generation molecule, for an action on root elongation:
Actions on auxesis & on merisis.

PRODUCT SPECIFICATIONS

ACRECIO is a root activator made up of 4 active ingredients.
/Humic acids
/Pure L-Tryptophan
/Pure L-Methionine
/Acreciactiv: bio-stimulator for roots created by the Agronutrition's research

ACRECIO stimulates the root growth and development of plants and optimises the natural ability of plants to assimilate and value the nutrients.

ACRECIO improves plant vigor while limiting stressors: drought, salinity, frost and environmental stresses.

FEATURES AND BENEFITS OF THE FORMULATION

The molecule ACRECIACTIV ® is a purified compound produced naturally by plants, to resist to the environmental stresses. This plant extract is purified by Agronutrition and it is associated and formulated with other known and effective bio-stimulants.

The synergistic combination of the ACRECIACTIV ® molecule, with pure L-amino acids and pure humic acids, stimulates the root development of plants from early stages.

Directions of use

CROP RECOMMENDATIONS

SOIL APPLICATION (preferred option) Dilute acrecio to 0.5%-1% concentration
> **VEGETABLES, TOMATO & CUCUMBER AND PEPPER -** Rate: 5-10 L/ha
Timing: Transplanting or on young plants every 15 days
> **FRUIT TREES -** Rate: 5-10 L/ha - Timing: From bud burst (BBCH 01)
> **KIWIFRUIT -** Rate: 5-10 L/ha - Timing: From bud burst (BBCH 01)
> **CITRUS -** Rate: 5 L/ha - Timing: From beginning of shoot growth until beginning of flowering about 10% of flowers open every 15 days
> **GRAPES -** Rate: 5-10L/ha or maximum 1L/per 100L water rate apply to soil from bud burst (BBCH 01)
> **POTATOES**
Rate: 5-10 L/ha. Max concentration : 10%. Timing : In-furrow placement at planting, or over the hill between post-planting and emergence.
> **MAIZE, BEETS, RAPE, WHEAT, SUNFLOWER:** 10 L/ha in the furrow when sowing or later at 15 L/ha sprayed onto the soil
> **BEANS -** Rate: 5 L/ha - Timing: 5 cm (BBCH 14-15)

ROOT DIPPING: 1 mL per plant

Instructions for use

Avoid spraying in very strong sunlight and/or very high temperatures. If possible, apply during evening or early morning especially if daytime temperatures exceed 25°C. Refer to the Crop Recommendations table for application rates and timings for individual crops. Use outdoors only.

Precautions

MIXING
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. 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. 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**

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DE SANGOSSE

MADE IN FRANCE

ACTIFLOW Mg

FERTILISER - MAGNESIUM HYDROXIDE SUSPENSION

Precision technologies

N	P	K	Mg	S	Ca
			298		

B	Cu	Fe	Mn	Mo	Zn

SC supension concentrate

In g/L for liquid products

Specifications

PACK SIZE
10 L, 200 L

FORMULATION
Suspension concentrate

SHELF LIFE OF THE PRODUCT
24 months

APPLICATION
Foliar

FORM
Liquid (SC)

DENSITY
1.435

AMINO-ALCOHOL FREE

STORAGE CONDITIONS
Store away from frost.

Agronomic interests

ROLE OF NUTRIENT(S)	PRODUCT SPECIFICATIONS	FEATURES AND BENEFITS OF THE FORMULATION
Magnesium: - Photosynthesis - Synthesis of carbohydrates and lipids	Actiflow Mg prevents and corrects deficiencies of Magnesium on all crops by foliar application. Actiflow Mg ensures higher yields of greater quality. It provides highly concentrated Magnesium in a liquid, totally available pure formulation. Actiflow Mg is a ready for use and polyvalent liquid product.	Suspension Concentrates allow the supply of high levels of mineral elements to the plant whilst ensuring effective, progressive and sustainable assimilation.

Directions of use

CROP RECOMMENDATIONS	Instructions for use
> **CEREALS -** Rate: 1.5-4 L/ha in 100 L minimum of water - Timing: at tillering and then at flagleaf emergence. > **GRAPES -** Rate: 1 - 1.5L/100L water - Timing: 4 applications starting from flowering then every 15 days. Adjust the dose to 2L/100L water in case of late applications for stem dieback. > **POTATOES -** Rate: 3-5 L/ha in 50-200 L minimum of water - Timing: where low to marginal levels exist, apply 2 applications between 1 to 4 weeks after 100% emergence. For improved dry matter, also apply during bulking. > **PIPFRUIT** (apples, pears) **-** Rate: 3-4 L/ha in 500-1000 L minimum of water - Timing: applied from 4 weeks after petal fall and repeated if necessary at 10 to 14 day intervals up to one month before harvest. Also, 5 l/ha after harvest but before leaf senescence. > **CARROTS -** Rate: 3-5 L/ha in 200 L minimum of water - Timing: when crop 15 cm tall. For moderate to severe deficiency repeat applications at 10 to 14 day intervals. Note: On carrots, final application to be made one month before harvest. > **ONIONS -** Rate: 3-5 L/ha in 50-200 L minimum of water - Timing: when there is sufficient leaf area to intercept spray. Repeat applications at necessary. > **BRASSICAS CANOLA -** Rate: 3-5 L/ha in 50-500 L minimum of water - Timing: commencing at 4 to 9 true leaves stage.	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 Actiflow Mg and then add the rest of the water, maintaining agitation continuously. When combining with other components in a tank-mix, always consult your De Sangosse Territory Manager. 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**

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DE SANGOSSE

MADE IN FRANCE

ACTIFLOW Mn 560

Agronutrition

FERTILISER - MANGANESE CARBONATE FERTILISER

Precision technologies

N	P	K	Mg	S	Ca
92					

B	Cu	Fe	Mn	Mo	Zn
			560		

SC supension concentrate

In g/L for liquid products

Specifications

AMINO-ALCOHOL FREE

PACK SIZE
5 L

SHELF LIFE OF THE PRODUCT
24 months

FORM
Liquid (SC)

STORAGE CONDITIONS
Store away from frost.

FORMULATION
Suspension concentrate

APPLICATION
Foliar

DENSITY
1.945

Agronomic interests

ROLE OF NUTRIENT(S)	PRODUCT SPECIFICATIONS	FEATURES AND BENEFITS OF THE FORMULATION
Manganese: - Enzyme activation - Chlorophyll synthesis - Nitrate reduction and protein synthesis	Actiflow Mn560 prevents and corrects deficiencies of Manganese on all crops by foliar application. Actiflow Mn560 ensures higher yields of greater quality. It provides manganese in a highly concentrated liquid formulation of great purity being 100% efficient. Actiflow Mn560 is a ready for use and polyvalent liquid product.	Suspension Concentrates allow the supply of high levels of mineral elements to the plant whilst ensuring effective, progressive and sustainable assimilation.

Directions of use

CROP RECOMMENDATIONS	Instructions for use
> **CEREALS -** Rate: 1-2 L/ha in 150 L minimum of water - Timing: 1-2 applications from 2 leaf stage to 1st node. > **MAIZE -** Rate: 1-2 L/ha in 150 L minimum of water - Timing: 1 application from 4-8 leaf stage. > **RAPE AND BRASSICAS -** Rate: 1-2 L/ha in 150 L minimum of water - Timing: 1 application from 4-6 leaf stage. > **SUGAR BEET -** Rate: 1-2 L/ha in 150 L minimum of water - Timing: 1 application from 4-6 leaf stage. > **POTATOES -** Rate: 1-2 L/ha in 150 L minimum of water - Timing: 1 application 2-3 weeks after emergence. > **VEGETABLES -** Rate: 1-2 L/ha in 150 L minimum of water - Timing: 1 application from stage10-15 cm. > **APPLE, PEAR -** Rate: 1-2 L/ha in 150 L minimum of water - Timing: deficiencies - before flowering and after flowering (if necessary). On green varieties to improve green colour: 6 applications from development of fruit and until one month before harvest => 0.75 L/ha/ application. > **KIWIFRUIT** - Rate: 1 L/ha (min water 700L/ha) - Timing: 1- 2 applications during spring canopy development (avoid flowering) up to and including fruit set. Any additional application should be based on a current season leaf test result taken at or after flowering indicating a clear deficiency and applied no later than 50 days post fruitset. > **STONE FRUITS -** Rate: 1-2 L/ha in 150 L minimum of water - Timing: from fruit set (repeat treatment if necessary). > **GRAPE** - Rate 0.5-1L/100L water - Timing: 1-3 applications from clusters visible/separated buds/fruit set.	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 Actiflow Mn560 and then add the rest of the water, maintaining agitation continuously. When combining with other components in a tank-mix, consult the manufacturer and distributor concerned. 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**

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DE SANGOSSE

BIOSTIMULANT FOR PLANT

ACTI-FULV

MADE IN FRANCE

Agronutrition

NutriCare technologies

HUMIC/FULVIC SUBSTANCES TOTAL: 25% w/w (312 g/L)

FULVIC ACIDS : 15% w/w
HUMIC ACIDS : 10% w/w

ASSOCIATED WITH NUTRIENT(S)

Potassium (K): 4.15% w/w (50.4g/L)

Specifications

PACK SIZE
10 L

FORMULATION
An Organic fertiliser containing a combination of both Humic and Fulvic acids

SHELF LIFE OF THE PRODUCT
24 months

APPLICATION
Soil - Foliar

FORM
Liquid (SL)

DENSITY
1.215

STORAGE CONDITIONS
Store away from frost and direct sunlight and keep lid tightly closed.

Agronomic interests

ROLE OF ACTIVE INGREDIENT	PRODUCT SPECIFICATIONS	FEATURES AND BENEFITS OF THE FORMULATION
Potassium: - Synthesis and transfer of sugars - Second yield factor - Photosynthesis - Regulation of water use by the plant and improvement of plant cells water: salt balance	ACTI-FULV brings an organic complex of humic and fulvic acids to rapidly improve rootzone CEC increasing nutrient retention and rootzone absorption. ACTI-FULV reduces crop stress due to soil salinity while improving crop nutritional uptake. ACTI-FULV stimulates crop growth thanks to the formulations high level of Fulvic acid which increases crop resilience to environmental stress (drought, salinity, frost...).	This specific product formulation guarantees a strong assimilation of the nutrients by the soil solution, guaranteeing high root uptake. This product is formulated using rigorously selected raw materials following world class quality control measures to ensure high crop safety and optimal root absorption.

Directions of use

CROP RECOMMENDATIONS	Instructions for use
SOIL APPLICATION / Grapes: apply ACTI-FULV at 2-4 L/ha through drip irrigation from start of season up to before flowering. Repeat after flowering as required. Or applied through weed spraying equipment in conjunction with weed spraying rounds. / Tree crops: 2-4 L/ha First application at Spring (Bud Break), then follow up as required. / Vegetable crops: 2-4 L/ha First application at spring, then follow up as required. / Kiwifruit: 2-4L/ha as root drench or fertigation. 1st application in spring (at bud break) then continue applications as required. **FOLIAR APPLICATION** Potatoes, onions, carrots, kumara: Apply at 1 L/ha of ACTI-FULV at any stage. ACTI-FULV can be used with most commonly used farm/orchard chemicals and fertilisers. Compatibility in combination with agrochemicals: Always perform a jar test or consult with your Territory Manager before performing a jar test. ACTI-FULV can be used with calcium-based fertilisers,, biological sprays, hormones and non selective herbicides. **Caution: DO NOT MIX ACTI-FULV with Copper.**	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.

Precautions

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

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DE SANGOSSE

BIOSTIMULANT FOR PLANT

MADE IN FRANCE

ACTIGREEN

FERTILISER - POWDER FERTILISER CONTAINING CALCIUM AND MAGNESIUM

NutriCare technologies

CALCITE ACTIVATED

ASSOCIATED WITH NUTRIENT(S)

Magnesium: 1.8%
Calcium: 29.8%

CERTIFIED bio gro NZ CERT INPUT FOR ORGANICS No. 2594

Specifications

AMINO-ALCOHOL FREE

PACK SIZE
5 KG

FORMULATION
Natural Calcite

SHELF LIFE OF THE PRODUCT
36 months

APPLICATION
Foliar

FORM
Powder

DENSITY
1

STORAGE CONDITIONS
Store away from frost.

Agronomic interests

ROLE OF ACTIVE INGREDIENT	PRODUCT SPECIFICATIONS	FEATURES AND BENEFITS OF THE FORMULATION
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 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.	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**

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Ph.: 07 827 4856, Fax: 07 827 4806. Email: infonz@desangosse.com, web: www.desangosse.co.nz

DE SANGOSSE

BIOSTIMULANT FOR PLANT

MADE IN FRANCE

ALCYGOL MoB

FERTILISER - A LIQUID FERTILISER CONTAINING BORON AND MOLYBDENUM

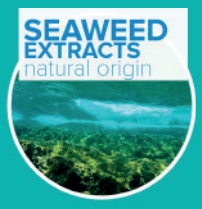
Agronutrition

NutriCare technologies

ASCOPHYLLUM NODOSUM EXTRACTS

ASSOCIATED WITH NUTRIENT(S)

Boron: 40 g/L
Molybdenum: 8 g/L



Specifications

PACK SIZE
10 L

FORMULATION
Natural seaweed extracts

SHELF LIFE OF THE PRODUCT
18 months

APPLICATION
Foliar

FORM
Liquid (SL)

DENSITY
1.115

STORAGE CONDITIONS
Store away from frost.

Agronomic interests

ROLE OF ACTIVE INGREDIENT

Boron:
- Role on flowering and fruit set
- Migration on sugars
- Protein synthesis
- Meristematic activity and growth
- Use of auxin in the plant

Molybdenum:
- Nitrate reduction
- Protein synthesis
- Contributes to the nodulation of legumes

PRODUCT SPECIFICATIONS

Alcygol MoB is an original and unique formulation which combines the natural seaweed attributes with Boron and Molybdenum.

Alcygol MoB contains effective concentrations of Boron and Molybdenum preventingand thus correcting efficiently the deficiencies of all crops. It improves the homogeneity and the quality of the harvest.

Alcygol MoB is a ready for use liquid product.

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

> **VEGETABLES, FRUIT TREES AND KIWIFRUIT -** Rate: 3 L/ha in 200L min of water - Timing: 1 to 2 applications on well established crops or before and after flowering.

> **GRAPES -** Rate: 3 L/ha in 200L min of water - Timing: at inflorescence visible, inflorescence fully developed and end of flowering.

> **OIL SEED RAPE, FIELD BRASSICAS -** Rate: 3 L/ha in 200L min of water - Timing: 1-2 applications from 2-3 leaves to start of flowering.

> **PEAS -** Rate: 3 L/ha in 200L min of water - Timing: 1-2 applications from 5-6 leaves to pre-flowering.

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 Alcygol MoB, then add the rest of the water maintaining agitation continuously. When combining with other components in a tank-mix, always add Alcygol MoB last. Do not allow the mixture to stand without agitation.
3. After spraying, clean and rinse the spraying equipment thoroughly.

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DE SANGOSSE

BIOSTIMULANT FOR PLANT

MADE IN FRANCE

ALGONIA K

FERTILISER - A SOLID FERTILISER CONTAINING ORGANIC NITROGEN AND POTASSIUM

Agronutrition

NutriCare technologies

SEAWEED EXTRACTS SOLID FORM

ASSOCIATED WITH NUTRIENT(S)

Nitrogen: 1%
Potassium: 17%

Specifications

AMINO-ALCOHOL FREE

PACK SIZE
5 KG

FORMULATION
Natural seaweed extracts

SHELF LIFE OF THE PRODUCT
18 months

APPLICATION
Foliar and Fertigation

FORM
Powder

DENSITY
1

STORAGE CONDITIONS
Store away from frost.

Agronomic interests

ROLE OF ACTIVE INGREDIENT	PRODUCT SPECIFICATIONS	FEATURES AND BENEFITS OF THE FORMULATION
Nitrogen: - Essential constituent of proteins - Enzymatic role - Photosynthesis Potassium: - Synthesis and transfer of sugars - Photosynthesis - Water regulation and management	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.	**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	Instructions for use
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	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.

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DE SANGOSSE

DE SANGOSSE

AminoQuelant®-Fe

GUARANTEED ANALYSIS

Iron (Fe)..... 5% (w/w)
Free Amino Acids..... 5% (w/w)
Total Nitrogen (N)..... 2% (w/w)

APPLICATION

AminoQuelant®-Fe is an Iron deficiency corrector containing Iron chelated with free Amino Acids to be applied as a foliar spray and through drip irrigation plants that suffer from Iron deficiency. This deficiency is clearly identified in plant by showing symptoms of leaf discolouration that turn yellow. This deficiency happens to more significant in high pH soils.

Iron is an absolutely required nutrient in chlorophyll synthesis and it is a constituent of many plant enzymes. This element is also involved in the electrons transport in several metabolic pathways of high physiologic importance. Iron supply allows plants to recover from discolouration caused by Iron deficiency.

Thanks to the action of the Amino Acids, Iron of **AminoQuelant®-Fe** is quickly absorbed and translocated to the new leaves and growing points of the plant, where Iron is normally more deficient.

Free Amino Acids present in the formulation also increase the chlorophyll content and stimulate plant photosynthesis resulting in more productive and healthier plants.

CROPS

Many crops may show symptoms of Iron deficiency, being the most important:

- Citrus
- Fruit trees (Peaches, Nectarines, Apples, Pears)
- Grapes and Table Grapes
- Vegetables (Tomatoes, Cucumber)
- Strawberries
- Olive trees
- Alfalfa

DOSAGE

The dosage may vary depending on the degree of Iron deficiency and the number of applications that will be done. In general, it is recommended tot apply at 2-4 ml/L with a minimum of 2-3 applications to start when plants are young or fruit trees initiate their activity and show first symptoms of deficiency. If applied through drip irrigation, use 5-10 L/ha

COMPATIBILITY

AminoQuelant-Fe is normally compatible with most commonly used pesticides and fertilisers. Avoid highly alkaline mixtures. In cases of unknown compatibility it is better to do a prior test before application.

NOTICE FOR USERS

The recommendations and information provided are the result of extensive studies and tests carried out under strict conditions. However, a number of factors beyond our control (preparation of mixtures, application weather conditions etc.) may intervene in the use of this product. The company guarantees its composition, formulation and content. The user shall be liable for any damages caused (lack of effectiveness, general toxicity, waste, etc.) due to total or partial failure to follow the instructions on this label. Store in the original container and protect from extreme humidity and temperatures.

De Sangosse New Zealand Limited
PO Box 113, Te Awamutu 3840, Ph.: 07 827-4856, Fax: 07 827-4806

Mar 2016

DE SANGOSSE

AminoQuelant®-minors

Micronutrient deficiency corrector with Amino Acids

GUARANTEED ANALYSIS

Free Amino Acids	38 g/L	Manganese (Mn)	7 g/L
Total Nitrogen (N)	21 g/L	Magnesium (Mg)	3 g/L
Iron (Fe)	23 g/L	Boron (B)	1 g/L
Zinc (Zn)	7 g/L	Copper (Cu)	760 mg/L
		Molybdenum (Mo)	Traces

APPLICATIONS

AminoQuelant®-minors is a complex product containing a full micronutrients range with free Amino Acids produced by Enzymatic Hydrolysis to fulfil the plant needs of micronutrients.
AminoQuelant®-minors is recommended to be applied as a foliar spray and through drip irrigation to give to the plant the full range of micronutrients needed to prevent or correct any micronutrient deficiency or unbalance caused by inadequate soil pH, fertilisation programmes or specific needs during the growing season.
The balance between micronutrients and their combination with free Amino Acids enables plants to uptake all the micronutrients needed through leaves and roots in a fast and efficient way to quickly incorporate them into the plant metabolism. ***AminoQuelant®-minors*** also increases the chlorophyll content and stimulates photosynthesis resulting in more productive and healthier plants.

CROPS

Almost all crops can suffer from micronutrient deficiencies, such as

- **Vegetables:** Tomato, Pepper, Cucumber, Melon, Watermelon, Lettuce, Squash, Aubergine, Strawberry, Raspberry, etc…
- **Top Fruits:** Apple, Pear, Peach, Nectarine, Olive trees, Citrus, Grapes, Nuts, Banana, Tropical Fruits, etc…)
- **Field Crops:** Potato, Sugar Beet, Cereals, Tobacco, Cotton, Rice, etc...

DOSAGE

The dosage may vary depending the degree of micronutrient deficiencies and the number of applications that will be done. In general, it is recommended to apply at 2-4 ml/L (or 2-4 L/ha in field crops) every 3-6 weeks during the growing season to prevent or correct any micronutrient deficiencies.
If applied through drip irrigation, use 5-10 L/ha.

COMPATIBILITY

AminoQuelant®-minors is normally compatible with most commonly used pesticides and fertilisers. Avoid highly alkaline mixtures. In cases of unknown compatibility it is better to do a test prior to application.

NOTICE FOR USERS

The recommendations and information provided are the result of extensive studies and tests carried out under strict conditions. However, a number of factors beyond our control (preparation of mixtures, application, weather conditions, etc) may intervene in the use of this product. The company guarantees its composition, formulation and content. The user shall be liable for any damages caused (lack of effectiveness, general toxicity, waste, etc) due to total or partial failure to follow the instructions on this label. Store in the original container and protect from extreme humidity and temperatures.

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Mar 2016

SOIL ENHANCEMENT AND PLANT UPTAKE

AMYLIS

MADE IN FRANCE

Agronutrition

BioFertiliser
technologies

Bacterial solution: 95% (Bacillus amyloliquefaciens)
10^9 Colony Forming Unit/mL

Specifications

PACK SIZE
1 L

FORMULATION
Pure Bacteria solution

FORM
Liquid

APPLICATION
Fertigation & Soil (Bacteria)

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).

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. 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 soill /Improves germination potential	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.

Directions of use

CROP RECOMMENDATIONS	Instructions for use
- 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 ** - It is recommended to spray on crop residues, in the morning, evening or on overcast days to avoid excessive exposure to sunlight. - 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. - For further questions about application or timings of AMYLIS - please consult with De Sangosse New Zealand staff for further guidance in best practice. ** Application rate and precautions: Minimum Water mixture volume: 200L/ha Application rate mentioned on the bacterial product - FOR ALL CROPS - (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

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.

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DE SANGOSSE

MADE IN FRANCE

AZOFOL NS

FERTILISER - NITROGEN FERTILISER SOLUTION WITH UREA FORMALDEHYDE N 30-0-0

Precision technologies

N	P	K	Mg	S	Ca
300			19.29	26.62	

B	Cu	Fe	Mn	Mo	Zn

SR Slow release Nitrogen

In g/L for liquid products

Specifications

AMINO-ALCOHOL FREE

PACK SIZE
10 L, 200 L

SHELF LIFE OF THE PRODUCT
36 months

FORM
Liquid (SL)

STORAGE CONDITIONS
Store away from frost.

FORMULATION
Nitrogen slow release (33% SR)

APPLICATION
Foliar

DENSITY
1.28

Agronomic interests

ROLE OF NUTRIENT(S)

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

Sulphur:
- Protein constituents
- Enzymatic role
- Photosynthesis

Magnesium:
- Photosynthesis
- Synthesis of carbohydrates and lipids

PRODUCT SPECIFICATIONS

Azofol NS is a ready to use liquid formulation containing balanced proportions of both ureic N and slow-release Nitrogen, as well as Magnesium and Sulphur.

Azofol NS is an original formulation with a new nitrogen compound. Benefits when using Azofol NS is a slower nitrogen release for a reduced risk of burn.

Azofol NS combines nitrogen with a specific mineral balance. It improves the homogeneity and the quality of the harvest.

FEATURES AND BENEFITS OF THE FORMULATION

Nitrogen fertiliser solution, with a new nitogen compound. Slow release nitrogen forms a strong chemical bond that releases nitrogen slowly for less burn, better absorption and translocation:
- 33% of slow release nitrogen
- 67% of urea form

This formulation with slow release nitrogen remains on the plant tissue surface in a liquid phase much longer than conventional-based urea products.

This N source has proven to be a safer and more effective material for direct application on plant foliage.

Directions of use

CROP RECOMMENDATIONS

FOLIAR APPLICATIONS

> **CEREAL -** Rate: 15-20 L/ha in 100 L minimum of water - Timing: from flag leaf sheath opening until flowering (ear emergence).
> **MAIZE -** Rate: 15-20 L/ha in 200 L of water - Timing: from 4-6 leaves and 10-15 days later if necessary.
> **POTATO -** Rate: 10-20 L/ha in 200 L of water - Timing: before tuber initiation and at the beginning of flowering stage.
> **BEETROOT -** Rate: 10-20 L/ha in 100 L minimum of water - Timing: at 4-6 leaves and a month later if necessary.
> **SUNFLOWER -** Rate: 15-20 L/ha in 100 L minimum of water - Timing: from 5-6 pairs of leaves until inflorescence emergence.
> **FODDER BEET -** Rate: 10-20 L/ha in 100 L minimum of water - Timing: from 4-6 leaves and 1 month later if necessary.
> **BRASSICAS -** Rate: 15-20 L/ha in 100 L minimum of water - Timing: from 4-8 leaves then at the start of stem elongation (C1) and at the end of inflorescence emergence stage (D2).
> **GRAPE -** Rate: 5-10L/ha in minimum 200L water or 2.5-5L per 100L water rate - Timing: nutritional support - 2 applications from leaves unfolded stage until separated flower buds stage (before flowering). Rate: 20 L/ha in 200 L of water - Timing: improvement of nitrogen content of must - 2 applications around berry softening at 15-day interval. Rate: 5-10 L/ha in 200 L of water - Timing: postharvest - 1 application after harvest and before the beginning of leaf fall stage.
> **FRUIT TREES -** Rate: 5-10 L/ha in 500 L of water - Timing: nutritional support - 1 application before flowering (pip fruits) and/or 1 application from petal fall stage on. Rate: 5-10 L/ha in 500 L of water - Timing: postharvest - 1 application after harvest and before the beginning of leaf fall stage.
> **KIWIFRUIT** - Rate: 5-10 L/ha (500L min water rate) - Timing: 1-3 applications at 15 day intervals before flowering, and again from fruit set through to 50 days post fruit set to improve fruit development. Further applications up to 50 days pre harvest based on leaf test results.

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.

Precautions

MIXING
1. Fill the spray tank with half the required amount of water and start agitation.
2. Add the required amount of AZOFOL NS and then add the rest of the water, maintaining agitation continuously. When combining with other components in a tank-mix, always add AZOFOL NS 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**

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DE SANGOSSE

MADE IN FRANCE

BORONIA Mo

FERTILISER - LIQUID FERTILISER CONTAINING B, Mo, AND Mn

Precision technologies

N	P	K	Mg	S	Ca
60					

B	Cu	Fe	Mn	Mo	Zn
120			1.2	6	

LS ligno sulfonates

In g/L for liquid products

Specifications

PACK SIZE
10 L

FORMULATION
Lignosulfonates

SHELF LIFE OF THE PRODUCT
24 months

APPLICATION
Foliar and soil

FORM
Liquid (SL)

DENSITY
1.33

STORAGE CONDITIONS
Store away from frost.

Agronomic interests

ROLE OF NUTRIENT(S)

Boron:
- Role on flowering and fruit set
- Migration on sugars
- Protein synthesis
- Meristematic activity and growth
- Use of auxin in the plant

Molybdenum:
- Nitrate reduction
- Protein synthesis
- Contributes to the nodulation of legumes

PRODUCT SPECIFICATIONS

BORONIA Mo is a versatile product. It is made up of a totally balanced formulation and specifically adapted to the brassica crop needs.

BORONIA Mo is made up of nutritional elements of a great purity and totally soluble.

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),
- Humactant effect (preventing cristalizing)

Level of absorption close to 80-90%

Directions of use

CROP RECOMMENDATIONS

> **SUNFLOWER -** Rate: 3 L/ha in 200 L minimum of water - Timing: 2 applications from 5 pairs of leaves to pre-flowering.

> **BEET -** Rate: 3 L/ha in 200 L minimum of water - Timing: 2 applications during starting period and on well established crops.

> **FIELD BRASSICAS, OIL SEED, RAPE -** Rate: 3 L/ha in 200 L minimum of water - Timing: 1-2 applications from 2-3 leaves to start of flowering.

> **PEAS -** Rate: 3 L/ha in 200L/ha
Timing: 2 applications at 3L/ha
*1st at 5-7 node
*2nd at Pre-Flowering

> **VEGETABLES AND FRUIT TREES -** Rate: 3 L/ha in 600 L minimum of water - Timing: 1 to 2 applications on well established crops or before and after flowering.

> **GRAPES**
Rate: 2 L/ha in 500 L minimum of water - Timing: at inflorescence visible, inflorescence fully developed and end of flowering.
Rate: 10 L/ha in 700 L minimum of water - Timing: on winter wood.

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 Boronia Mo, then add the rest of the water maintaining agitation continuously. When combining with other components in a tank-mix, always add Boronia Mo last. Do not allow the mixture to stand without agitation.
3. After spraying, clean and rinse the spraying equipment thoroughly.

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DE SANGOSSE

MADE IN FRANCE

BOROZINC

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%

pHa Activ pH Complex

Specifications

AMINO-ALCOHOL FREE

PACK SIZE
2X5 KG

SHELF LIFE OF THE PRODUCT
36 months

FORM
Powder (SP)

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: - Role on fertilization - nouaison - Migration on sugars - Protein synthesis - Meristematic activity and growth - Use of auxin in the plant Zinc: - Growth hormone synthesis - Enzymatic functioning - Protein synthesis	BOROZINC prevents deficiencies in Boron and/ or in Zinc. BOROZINC is ideally formulated for fruit trees sensitive to Boron and Zinc elements. BOROZINC is a “non russeting” product. Its particularly soft formulation makes it usable in sensitive period of application, period which corresponds to a high growth and to important needs. 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	Acidifying Base active pH = Complexing and Buffering Organic Acid. - 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

Directions of use

CROP RECOMMENDATIONS	Instructions for use
> **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. > **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. > **KIWIFRUIT** Rate: 2kg/ha in 400L minimum of water - Timing: Only apply as post harvest application before leaf fall > **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.	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. 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.

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DE SANGOSSE

MADE IN FRANCE

BRASSIMAX

FERTILISER - A BLEND OF WATER SOLUBLE NUTRIENTS FOR ALL BRASSICA CROPS

Precision technologies

N	P	K	Mg	S	Ca
7.3%			3.67%		

B	Cu	Fe	Mn	Mo	Zn
8.4%	2.0%		1.6%	0.04%	

SMB Specific Mineral Balance

Specifications

PACK SIZE
20 KG

FORMULATION
Specific Mineral balance

SHELF LIFE OF THE PRODUCT
36 months

APPLICATION
Foliar

FORM
Powder (SP)

DENSITY
1

STORAGE CONDITIONS
Store away from humidity.

Agronomic interests

ROLE OF NUTRIENT(S)	PRODUCT SPECIFICATIONS	FEATURES AND BENEFITS OF THE FORMULATION
Magnesium: Photosynthesis/Synthesis of carbohydrates and lipids Boron: Role on flowering and fruit set/Migration on sugars/ Protein synthesis/Meristematic activity and growth/ Use of auxin in the plant Molybdenum: Nitrate reduction/Protein synthesis/ Contributes to the nodulation of legumes Manganese: Enzyme activation/Chlorophyll synthesis/ Nitrate reduction and protein synthesis Copper: Enzymatic role/ Role on photosynthesis/ Protein synthesis/Lignin synthesis/Ear fertility	A soluble micronutrient blend tailored to meet the typical nutrient requirements of all brassica crops. BRASSIMAX contains a balanced ratio of fully and plant-available nutrients formulated for easy and straight forward mixing and application. BRASSIMAX is highly concentrated in elements preventing and thus efficiently correcting the deficiency in Boron, Copper, Manganese and Molybdenum. The rigorous selection of the raw materials guarantees it to be 100% soluble in the treatment mix.	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	Instructions for use
> Rate of use: **BRASSICA:** 2.5-5 kg per hectare in at least 200 litres of water > Timing: Apply the lower rate as early in the growing season as possible, provided there is sufficient leaf cover to intercept the spray. use the higher rate on welle-established brassica crops. BRASSIMAX may be applied with most insecticides and fungicides. Do not exceed the recommended application rates.	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. Gradually add the required amount of BRASSIMAX and then add the rest of the water, maintaining agitation continuously. When combining with other components in a tank-mix, always consult the distributor, De Sangosse NZ. Do not allow the mixture to stand without agitation.
3. After spraying, clean and rinse the spraying equipment thoroughly.

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DE SANGOSSE

MADE IN FRANCE

BUD COMPLEX

FERTILISER - A WATER SOLUBLE FERTILISER FOR GRAPES AND TREE CROPS

Precision technologies

N	P	K	Mg	S	Ca
2.8%	3.0%		9.4%		

B	Cu	Fe	Mn	Mo	Zn
2.4%					3.9%

SMB Specific Mineral Balance

Specifications

PACK SIZE
10 KG

FORMULATION
Specific Mineral balance

SHELF LIFE OF THE PRODUCT
24 months

APPLICATION
Foliar

FORM
Powder (SP)

DENSITY
1

AMINO-ALCOHOL FREE

STORAGE CONDITIONS
Store away from humidity.

Agronomic interests

ROLE OF NUTRIENT(S)	PRODUCT SPECIFICATIONS	FEATURES AND BENEFITS OF THE FORMULATION
Phosphorus: Energy carrying/Membrane constituents/ Protein synthesis Magnesium: Photosynthesis/Synthesis of carbohydrates and lipids Boron: Role on flowering and fruit set/Migration on sugars/ Protein synthesis/Meristematic activity and growth/ Use of auxin in the plant Zinc: Growth hormone synthesis/Enzymatic functioning/Protein synthesis	A soluble micronutrient blend tailored to meet the typical nutrient requirements of all fruit trees after leaf fall. BUD COMPLEX contains a balanced ratio of fully and plant-available nutrients formulated for easy and straight forward mixing and application. BUD COMPLEX is highly concentrated in elements preventing and thus efficiently correcting the deficiency in Boron, Zinc, Magnesium and Phosphorus. The rigorous selection of the raw materials guarantees it to be 100% soluble in the treatment mix.	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	Instructions for use
> GRAPES Rate: 4-6 kg/ha in 500-1000 L of clean water. Timing: apply after each harvest before leaf fall, or when sufficient green leaf is present during the spring leaf development period. **> TREE CROPS** Rate: 6 kg/ha in 500-1000 L of clean water. Timing: apply after each harvest before leaf fall. > Kiwifruit Rate: 5-6 kg/ha (500L/ha water min) Timing: Apply post harvest before leaf fall	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. Gradually add the required amount of BUD COMPLEX and then add the rest of the water, maintaining agitation continuously. When combining with other components in a tank-mix, always add BUD COMPLEX last. Do not allow the mixture to stand without agitation.
3. After spraying, clean and rinse the spraying equipment thoroughly.

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DE SANGOSSE

MADE IN FRANCE

CAPFOL

FERTILISER - LIQUID FERTILISER CONTAINING CALCIUM, PHOSPHORUS AND ZINC

Precision technologies

N	P	K	Mg	S	Ca
	23.6				134

B	Cu	Fe	Mn	Mo	Zn
					11

pHa Activ pH Complex

In g/L for liquid products

Specifications

AMINO-ALCOHOL FREE

PACK SIZE
10 L

SHELF LIFE OF THE PRODUCT
24 months

FORM
Liquid (SL)

STORAGE CONDITIONS
Store away from frost.

FORMULATION
Active pH Complex

APPLICATION
Foliar

DENSITY
1.33

Agronomic interests

ROLE OF NUTRIENT(S)

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

Phosphorus:
- Energy carrying
- Membrane constituents
- Protein synthesis

Zinc:
- Growth hormone synthesis
- Enzymatic functioning
- Protein synthesis

PRODUCT SPECIFICATIONS

Capfol is highly concentrated in Calcium and Phosphorus preventing any physiological and nutritional unbalance of fruit and vegetables.

Capfol contributes to the grade of fruit and vegetables, their keeping quality and their resistance to shocks and bruises.

Capfol is a 100% soluble Calcium solution formulated to provide maximum effect in combination with phosphorus.

FEATURES AND BENEFITS OF THE FORMULATION

Acidifying Base active pH = Complexing and Buffering Organic Acid.

- 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 stabilises the pH (buffer power)
- Makes soluble the nutritive elements present in the leaf
- Highly recommended in the case of hard water

Directions of use

CROP RECOMMENDATIONS

> **FRUIT TREES** (stone and pip fruit)
Rate: 6 L/ha in 400 L minimum of water.
Timing: 5-7 applications from 15 days interval, as of the enlargement of the fruits and up to 3 weeks before harvest.

> **GRAPEVINES**
Rate: 5-6 L/ha in 400 L minimum of water.
Timing: 2 applications at 10-14 day intervals prior to flowering and then repeated applications at 10-14 day intervals from fruit set e.g. fruit set, bunch close (pea size), start of ripening and two weeks later.

> **OTHER CROPS AND VEGETABLES** (outdoor)
Rate: 6 L/ha in 400 L minimum of water.
Timing: 4 to 6 applications at 10-14 day intervals on well-established crops.

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 Capfol, then add the rest of the water maintaining agitation continuously. When combining with other components in a tank-mix, always add Capfol last. Do not allow the mixture to stand without agitation.
3. After spraying, clean and rinse the spraying equipment thoroughly.

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DE SANGOSSE

MADE IN FRANCE

CIGOPHOL K

FERTILISER - K AND P FERTILISER SOLUTION WITH BORON

Precision technologies

N	P	K	Mg	S	Ca
	104.4	262.9			

B	Cu	Fe	Mn	Mo	Zn
8					

SMB Specific Mineral Balance

In g/L for liquid products

Specifications

PACK SIZE
10 L

FORMULATION
Specific Mineral Balance

SHELF LIFE OF THE PRODUCT
24 months

APPLICATION
Foliar

FORM
Liquid (SL)

DENSITY
1.46

STORAGE CONDITIONS
Store away from frost.

Agronomic interests

ROLE OF NUTRIENT(S)

Phosphorus:
- Energy carrying
- Membrane constituents
- Protein synthesis

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

PRODUCT SPECIFICATIONS

Cigophol K is specifically designed and formulated to optimize maturity and quality of the fruit crops at harvest.

Through foliar uptake, it helps with the transfer of assimilates from the leaves to the fruit.

Cigophol K is a 100% soluble Potassium concentrate formulated to provide maximum effect in synergy with phosphorus.

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

> **GRAPES -** Rate: 3-5 L/ha in 200 L minimum of water.
Timing: 2-4 applications applied at 10-15 day intervals starting from fruit set and during ripening.

> **FRUIT TREES -** Rate: 5 L/ha in 200 L minimum of water.
Timing: 3 applications applied at 10-15 day intervals starting at the beginning of fruit growth and up to 2 weeks before harvest.

> **KIWIFRUIT -** Rate: 3-5L/ha in 400L minimum of water
Timing: 2-4 applications applied at 10-15 day intervals starting from fruit set. For best results apply from 50 days post fruit set through to 14 days pre harvest.

> **FIELD CROPS -** Rate: 3-5 L/ha in 200 L minimum of water.
Timing: 3 to 5 applications on sufficiently developed foliage.

> **VEGETABLES -** Rate: 3-5 L/ha in 500 L minimum of water.
Timing: 3 to 5 applications on sufficiently 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.

Precautions

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

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DE SANGOSSE

MADE IN FRANCE

CIGOPHOS Ca

FERTILISER - NP(Ca) 4-9(5) FERTILISER

Precision technologies

N	P	K	Mg	S	Ca
58	129				71

B	Cu	Fe	Mn	Mo	Zn

pHa Activ pH Complex

In g/L for liquid products

Specifications

AMINO-ALCOHOL FREE

PACK SIZE
10 L

SHELF LIFE OF THE PRODUCT
18 months

FORM
Liquid (SL)

STORAGE CONDITIONS
Store away from frost.

FORMULATION
Active pH Complex

APPLICATION
Foliar

DENSITY
1.41

Agronomic interests

ROLE OF NUTRIENT(S)

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

Phosphorus:
- Energy carrying
- Membrane constituents
- Protein synthesis

PRODUCT SPECIFICATIONS

Cigophos Ca is highly concentrated in Calcium and Phosphorus preventing any physiological and nutritional unbalance of fruit and vegetables.

Cigophos Ca contributes to the grade of fruit and vegetables, their keeping quality and their resistance to shocks and bruises.

Cigophos Ca is a 100% soluble Calcium concentrate formulated to provide maximum effect in synergy with phosphorus.

FEATURES AND BENEFITS OF THE FORMULATION

Acidifying Base active pH = Complexing and Buffering Organic Acid.

- 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 stabilises the pH (buffer power)
- Makes soluble the nutritive elements present in the leaf
- Highly recommended in the case of hard water

Directions of use

CROP RECOMMENDATIONS

> **PIP FRUIT -** Rate: 10 L/ha in 500 L minimum of water - Timing: 2-5 applications every 8-15 days from petal fall.

> **STONE FRUIT -** Rate: 10 L/ha in 500 L minimum of water - Timing: 2-5 applications every 8-15 days from petal fall.

> **CITRUS -** Rate: 10 L/ha in 500 L minimum of water - Timing: 1-2 applications every 10-15 days from fruit setting.

> **KIWIFRUIT -** Rate: 10 L/ha in 500 L minimum of water - Timing: 1-2 applications at 10 day intervals during canopy development up to flowering for phosphorus deficiency correction. 2 applications at 10 day intervals from fruit set up to 21 days post fruit set.

> **MELON -** Rate: 5 L/ha in 500 L minimum of water - Timing: 3 applications every 8-15 days from start of flowering.

> **STRAWBERRY -** Rate: 10 L/ha in 500 L minimum of water - Timing: 3 applications every 8-15 days from start of flowering.

> **GRAPEVINE -** Rate: 5 L/ha in 200 L minimum of water - Timing: 2 applications every 8-10 days from fruit setting.

> **POTATO AND SWEET POTATO** - Rate: 6-10L/ha in 500L min of water - Timing: Seed Potatoes - 1 application at hook stage. Processed and Sweet Potatoes - 1 application at tuber initiation.

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 Cigophos Ca, then add the rest of the water maintaining agitation continuously. When combining with other components in a tank-mix, always add Cigophos Ca last. Do not allow the mixture to stand without agitation.
3. After spraying, clean and rinse the spraying equipment thoroughly.

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DE SANGOSSE

BIOSTIMULANT FOR PLANT

MADE IN FRANCE

FERTIGOFOL ULTRA

Agronutrition

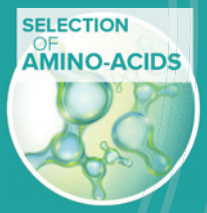
FERTILISER - NPK 10.7-1.4-7.1 FERTILISER WITH AMINO-ACIDS AND MICRO-NUTRIENTS

NutriCare technologies

NPK PLANT BOOSTER

ASSOCIATED WITH NUTRIENT(S)

Nitrogen: 107 g/L
Phosphorus: 14 g/L
Potassium: 71.1 g/L
Magnesium: 0.78 g/L
Sulfur: 0.52 g/L
Boron: 0.5 g/L
Copper: 0.14 g/L
Iron: 0.25 g/L
Manganese: 0.5 g/L
Molybdenum: 0.05 g/L
Zinc: 0.4 g/L



Specifications

PACK SIZE
10 L, 200 L, 1000 L

FORMULATION
Amino-acids

SHELF LIFE OF THE PRODUCT
24 months

APPLICATION
Foliar

FORM
Liquid (SL)

DENSITY
1.20

STORAGE CONDITIONS
Store away from frost.

Agronomic interests

ROLE OF ACTIVE INGREDIENT

Supply combined with Nitrogen, Phosphorus, Potassium, Magnesium and Trace elements essential to the good progress of the crop. The proportion of each element is specific to the needs of the plant then allowing an improvement of the overall nutritional status of the plant.

The balance in trace elements is close to the one of the sap of the plants. The trace elements are, for the most part, under a chelated form increasing their level of absorption, of assimilability and their circulation in the plant.

PRODUCT SPECIFICATIONS

FERTIGOFOL Ultra improves the nutritional status of the crop. Used in foliar spraying, it activates the metabolism of each vegetal cell. This action on the whole plant improves the photosynthesis and the capacity of taking the mineral elements through the root system.

FERTIGOFOL Ultra is a polyvalent product which is suitable to numerous crops. It is specifically adapted to the nutrition, the stimulation and the growth of the vegetative system. FERTIGOFOL Ultra is a ready for use liquid product with a very “soft” action on the foliage, safe to use and handle.

FEATURES AND BENEFITS OF THE FORMULATION

Amino acids are the building blocks of proteins. Plants need a lot of energy to produce them, and they are the first carbon source available for plants. In case of external stress or low growth, an amino acid application will permit to feed the plant metabolism. Amino acids stimulate growing and developement.

This single combination enable to optimize plant response for natural attacks: elicitor effect.

Directions of use

CROP RECOMMENDATIONS

> **CEREALS -** Rate: 5 L/ha in 100L min of water - Timing: from stem elongation to boot stage from last leaf emerging to beginning earring.
> **LEGUMES, PEAS -** Rate: 5 L/ha in 100L min of water - Timing: 5-10 cm - start flowering - flat pods.
> **POTATOES -** Rate: 5 L/ha in 100L min of water - Timing: 3-4 applications from start of tuber formation then every 14 days.
> **MAIZE, OILSEEDS, SUGARBEET -** Rate: 5 L/ha in 100L min of water - Timing: 1-2 applications - in case of stress after emergence, then as required on well-developed foliage.
> **VEGETABLES -** Rate: 5 L/ha in 100L min of water - Timing: 3-4 applications, every 10 - 14 days from establishment.
> **GRAPES -** Rate: 5 L/ha in 100L min of water - Timing: 2-3 applications from separate bunches, start of flowering and pre bunch closure, then every 10-14 days as required.
> **TOP FRUIT -** Rate: 5 L/ha in 100L min of water - Timing: 4 applications from petal dropping then every 14 days.
> **CITRUS -** Rate: 5 L/ha in 100L min of water - Timing: 4 applications from petal dropping then every 14 days.
> **KIWIFRUIT -** Rate: 5 L/ha (400L min water rate) - Timing: 4 applications at 14 day intervals during spring canopy development (avoid flowering) up to 14 days post fruit set. For young vines please contact your territory manager on application timings.
> **BERRYFRUITS -** Rate: 5 L/ha in 100L min of water - Timing: 1-2 applications on well-developed foliage.
> **PINEAPPLE -** Rate: 5 L/ha in 100L min of water - Timing: fresh pineapple: 5th-6th month preserve pineapple: 8th-9th month.

> **TURF** (lawns and golf courses) **-** Rate: 0,5 mL in 10 mL of water (minimum) for 1 m^2.

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.

Precautions

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

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DE SANGOSSE

MADE IN FRANCE

FIXA B

FERTILISER - A LIQUID FERTILISER CONTAINING BORON

Agronutrition

Precision technologies

N	P	K	Mg	S	Ca

B	Cu	Fe	Mn	Mo	Zn
135				0.28	

In g/L for liquid products

LS ligno sulfonates

Specifications

PACK SIZE
10 L

SHELF LIFE OF THE PRODUCT
24 months

FORM
Liquid (SL)

STORAGE CONDITIONS
Store away from frost.

FORMULATION
Lignosulfonates

APPLICATION
Foliar and soil

DENSITY
1.345

Agronomic interests

ROLE OF NUTRIENT(S)

Boron:
- Role on flowering and fruit set
- Migration on sugars
- Protein synthesis
- Meristematic activity and growth
- Use of auxin in the plant

PRODUCT SPECIFICATIONS

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

FIXA B is highly concentrated in Boron preventing and thus efficiently correcting the deficiency in Boron which has important repercussions on the yield or the quality of the harvest: sunflower, beetroot, lucerne, oilseed rape, fruit trees, vineyards, field vegetables...

The rigorous selection of the raw materials used in FIXA B guarantees a great purity and a total solubility. FIXA B is a ready for use liquid product.

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),
- Humactant effect (preventing cristalizing)

Level of absorption close to 80-90%

Directions of use

CROP RECOMMENDATIONS

> **BEET -** Rate: 3 L/ha in 300 L minimum of water - Timing: 2 applications during starting period and on well-established crops.

> **OIL SEED RAPE -** Rate: 3 L/ha in 300 L minimum of water - Timing: 1-2 applications from 2-3 leaves to start flowering.

> **LUCERNE, CLOVER CROPS -** Rate: 3 L/ha in 300 L minimum of water - Timing: 1-2 applications during starting period and on well-established crops.

> **FIELD BRASSICAS -** Rate: 2-3 L/ha in 300 L minimum of water - Timing: 1-2 applications from 2-3 leaves to start flowering.

> **GRAPES**
Rate: 2 L/ha in 500 L minimum of water - Timing: at inflorescence visible, inflorescence fully developed and end of flowering.
Rate: 10 L/ha in 700 L minimum of water - Timing: on winter wood.

> **VEGETABLES -** Rate: 2 L/ha in 500 L minimum of water - Timing: 1 to 2 applications on well-established crops.

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 FIXA B, then add the rest of the water maintaining agitation continuously. When combining with other components in a tank-mix, always add FIXA B last. Do not allow the mixture to stand without agitation.
3. After spraying, clean and rinse the spraying equipment thoroughly.

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DE SANGOSSE

MADE IN FRANCE

FIXA Ca

FERTILISER - LIQUID FERTILISER CONTAINING CALCIUM

Precision technologies

N	P	K	Mg	S	Ca
					142.2

B	Cu	Fe	Mn	Mo	Zn

LS ligno sulfonates

In g/L for liquid products

Specifications

AMINO-ALCOHOL FREE

PACK SIZE
20 L, 200 L, 1000 L

SHELF LIFE OF THE PRODUCT
24 months

FORM
Liquid (SL)

STORAGE CONDITIONS
Store away from frost.

FORMULATION
Lignosulfonates

APPLICATION
Foliar

DENSITY
1.3

Agronomic interests

ROLE OF NUTRIENT(S)

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

PRODUCT SPECIFICATIONS

FIXA Ca is highly concentrated in Calcium preventing any physiological and nutritional unbalance of fruits and vegetables.

FIXA Ca contributes to the grade of fruits and vegetables, their keeping quality and their resistance to shocks and bruises. The rigorous choice of raw materials and the specific manufacturing process of double filtering of FIXA Ca guarantees 100% solubility.

FIXA Ca is a ready for use liquid product with a very “soft” action 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),
- Humactant effect (preventing cristalizing)

Level of absorption close to 80-90%

Directions of use

CROP RECOMMENDATIONS

> **FRUIT TREES** (stone and pip fruit)
Rate: 8 L/ha in 400 L minimum of water - Timing: 5-7 applications from 15 days interval, as of the enlargement of the fruits and up to 3 weeks before harvest.

> **OTHER CROPS AND VEGETABLES** (outdoor)
Rate: 5 L/ha in 250 L minimum of water - Timing: 4 to 6 applications at 10-14 day intervals on well-established crops.

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 Ca, then add the rest of the water maintaining agitation continuously. When combining with other components in a tank-mix, always add FIXA Ca last. Do not allow the mixture to stand without agitation.
3. After spraying, clean and rinse the spraying equipment thoroughly.

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DE SANGOSSE

MADE IN FRANCE

FIXA Cu

FERTILISER - A COPPER FERTILISER SOLUTION (HYDROXIDE AND SULPHATE)

Precision technologies

N	P	K	Mg	S	Ca
				58.9	

B	Cu	Fe	Mn	Mo	Zn
	120				

LS ligno sulfonates

In g/L for liquid products

Specifications

PACK SIZE
10 L

SHELF LIFE OF THE PRODUCT
24 months

FORM
Liquid (SC)

STORAGE CONDITIONS
Store away from frost.

FORMULATION
Lignosulfonates

APPLICATION
Foliar

DENSITY
1.34

Agronomic interests

ROLE OF NUTRIENT(S)

Copper:
- Enzymatic role
- Role on photosynthesis
- Protein synthesis
- Lignin synthesis
- Ear fertility

Sulphur:
- Protein constituents
- Enzymatic role
- Photosynthesis

PRODUCT SPECIFICATIONS

FIXA Cu prevents and corrects deficiencies in Copper of all crops by foliar or soil application.

FIXA Cu guarantees high levels of yield and improves the quality of yield. It brings the nutritional elements Copper and Sulphur in highly concentrated liquid forms, 100% soluble and of great purity to be 100% efficient.

FIXA Cu 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),
- Humactant effect (preventing cristalizing)

Level of absorption close to 80-90%

Directions of use

CROP RECOMMENDATIONS

> **CEREAL**
Rate: 2 L/ha in 200 L minimum of water - Timing: 1 to 2 applications from the beginning stage to ears 1 cm.
Rate: 1 L/ha in 200 L minimum of water - Timing: after the second node.

> **OTHER CROPS AND VEGETABLES** (outdoor)
Rate: 2 L/ha in 200 L minimum of water - Timing: 1 to 2 applications at 10-14 days 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. Add the required amount of FIXA Cu and then add the rest of the water, maintaining agitation continuously. When combining with other components in a tank-mix, always consultant the distributor, De Sangosse NZ Ltd. Do not allow the mixture to stand without agitation.
3. After spraying, clean and rinse the spraying equipment thoroughly.

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DE SANGOSSE

MADE IN FRANCE

FIXA Mg

FERTILISER - LIQUID FERTILISER CONTAINING MAGNESIUM

Precision technologies

N	P	K	Mg	S	Ca
84			71.8		

B	Cu	Fe	Mn	Mo	Zn

LS ligno sulfonates

In g/L for liquid products

Specifications

AMINO-ALCOHOL FREE

PACK SIZE
10 L, 200 L

SHELF LIFE OF THE PRODUCT
24 months

FORM
Liquid (SL)

STORAGE CONDITIONS
Store away from frost.

FORMULATION
Lignosulfonates

APPLICATION
Foliar

DENSITY
1.31

Agronomic interests

ROLE OF NUTRIENT(S)

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

Magnesium:
- Photosynthesis
- Synthesis of carbohydrates and lipids

PRODUCT SPECIFICATIONS

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

FIXA Mg guarantees high levels of yield and improves the quality of yield. It brings the nutritional elements Nitrogen and Magnesium in highly concentrated liquid forms, 100% soluble and of great purity to be 100% efficient.

FIXA Mg is a ready for use and polyvalent liquid product with a very "soft" action on foliage or on fruits (without risk of stain), 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),
- Humactant effect (preventing cristalizing)

Level of absorption close to 80-90%.

Directions of use

CROP RECOMMENDATIONS

> **CEREAL, MAIZE, BRASSICAS, BEET, PEAS... -** Rate: 3-6 L/ha in 150 L minimum of water - Timing: 1-2 applications in case of difficult start then on well developed foliage.

> **POTATOE -** Rate: 3-6 L/ha in 150 L minimum of water - Timing: 2-3 applications from start of tuber formation and then every 15 days.

> **VEGETABLES -** Rate: 3-6 L/ha in 150 L minimum of water - Timing: 1 to 2 applications at 10-14 day intervals on well-established crops.

> **GRAPES -** Rate: 3-6 L/ha in 150 L minimum of water - Timing: 2 to 3 applications before and after flowering, then 3-4 applications from bunch closure.

> **FRUIT TREES -** Rate: 3-6 L/ha in 150 L minimum of water - Timing: 3-4 applications from petal fall then every 10-15 days.

> **CITRUS -** Rate: 3-6 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 FIXA Mg, then add the rest of the water maintaining agitation continuously. When combining with other components in a tank-mix, always add FIXA Mg last. Do not allow the mixture to stand without agitation.
3. After spraying, clean and rinse the spraying equipment thoroughly.

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DE SANGOSSE

MADE IN FRANCE

FIXA Mn

FERTILISER - MANGANESE FERTILISER SOLUTION

Precision technologies

N	P	K	Mg	S	Ca
				71.24	

B	Cu	Fe	Mn	Mo	Zn
			120		

LS ligno sulfonates

In g/L for liquid products

Specifications

AMINO-ALCOHOL FREE

PACK SIZE
10 L

SHELF LIFE OF THE PRODUCT
24 months

FORM
Liquid (SL)

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),
- Humactant effect (preventing cristalizing)

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.

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DE SANGOSSE

MADE IN FRANCE

FIXA Multi

FERTILISER - A BLEND OF WATER SOLUBLE FERTILISER

Precision technologies

N	P	K	Mg	S	Ca
			8%		

B	Cu	Fe	Mn	Mo	Zn
1%		3.5%	3.5%		3.5%

LS ligno sulfonates

Specifications

PACK SIZE
10 KG

FORMULATION
Lignosulfonates

SHELF LIFE OF THE PRODUCT
24 months

APPLICATION
Foliar

FORM
Powder

DENSITY
-

STORAGE CONDITIONS
Store away from frost.

Agronomic interests

ROLE OF NUTRIENT(S)

> Boron: Role on flowering and fruit set/ Migration on sugars/Protein synthesis/ Meristematic activity and growth/ Use of auxin in the plant

> Iron: Transpiration/Chlorophyll formation/ Functioning of the photosynthetic systems/ Protein metabolism/Nitrate reduction

> Manganese: Enzyme activation/Chlorophyll synthesis/Nitrate reduction and protein synthesis

> Zinc: Growth hormone synthesis/Enzymatic functioning/Protein synthesis

PRODUCT SPECIFICATIONS

FIXA Multi improves the nutritional status of the crop. Used in foliar spraying, it activates the metabolism of each vegetal cell. This action on the whole plant improves photosynthesis and the capacity for improved root mineral uptake.

FIXA Multi is a versatile product which is suitable to numerous crops. It is specifically adapted to the nutrition, the stimulation and the growth of the vegetative system.

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),
- Humactant effect (preventing cristalizing)

Level of absorption close to 80-90%

Directions of use

CROP RECOMMENDATIONS

> CITRUS
Rate: 3 to 5 kg/ha in 1000L min of water - Timing: during leaf flush/ shoot development.
> AVOCADOS
Rate: 3 to 5 kg/ha in 500L min of water - Timing: during leaf flush/ shoot development.
> VEGETABLES (outdoor)
Rate: 3 to 5 kg/ha in 200L min of water - Timing: 1-2 applications at 21 day intervals on well-established crops.
> PIP FRUITS
Rate: 3 to 5 kg/ha in 500L min of water - Timing: 6 weeks after petal drop. It is not recommended to apply before this stage.
> STONE FRUITS - DO NOT APPLY ON APRICOTS
Rate: 3 to 5 kg/ha in 500 L min of water - Timing: at beginning of fruit set and repeat application at 21 day intervals.
> KIWIFRUIT
Rate: 3-5kg/ha n minimum 800-1000L water - Timing: Apply during early canopy development, up to 14 days post fruitset (avoid flowering).
> GRAPES
Rate: 3 to 5 kg/ha in min 300-500L of water. - Timing: 2 applications from visible clusters to floral buds
> BERRIES
Rate: 3 to 5 kg/ha in 250-300L min of water - Timing: 1-2 applications on well 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.

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 Multi, then add the rest of the water maintaining agitation continuously. When combining with other components in a tank-mix, always add FIXA Multi first. Do not allow the mixture to stand without agitation.
3. After spraying, clean and rinse the spraying equipment thoroughly.

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DE SANGOSSE

MADE IN FRANCE

FIXA Zn

FERTILISER - ZINC FERTILISER SOLUTION (SULPHATE)

Precision technologies

N	P	K	Mg	S	Ca
				57.2	

B	Cu	Fe	Mn	Mo	Zn
					120

In g/L for liquid products

LS ligno sulfonates

AMINO-ALCOHOL FREE

Specifications

PACK SIZE
10 L

SHELF LIFE OF THE PRODUCT
24 months

FORM
Liquid (SL)

STORAGE CONDITIONS
Store away from frost.

FORMULATION
Lignosulfonates

APPLICATION
Foliar

DENSITY
1.3

Agronomic interests

ROLE OF NUTRIENT(S)	PRODUCT SPECIFICATIONS	FEATURES AND BENEFITS OF THE FORMULATION
Zinc: - Growth hormone synthesis - Enzymatic functioning - Protein synthesis Sulphur: - Protein constituents - Enzymatic role - Photosynthesis	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.	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), - Humactant effect (preventing cristalizing) Level of absorption close to 80-90%

Directions of use

CROP RECOMMENDATIONS	Instructions for use
> **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.	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.

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DE SANGOSSE

DE SANGOSSE

Inicium®

Initiator of Radicular Activity

It is a formula specifically designed to mitigate the stress situations which happen during or at transplantation, seedbed, or planting.

With ***Inicium***® we are opening a new era in the field of external application of low molecular weight peptides, we use peptides to successfully overcome stress caused by transplantation.

What does Inicium® contain?

Inicium® contains peptides characterized by their low molecular weight and by their great root system activity.

Their low molecular weight (669 Daltons) guarantees their rapid and total absorption.
The development of ***Inicium***® is the result of research and development lasting several years to verify, both in laboratory and in the field, that it is the best peptide-based product to stimulate root system activity.

How it Works?

Inicium® activates stress proteins, assisting the plant to overcome adverse situations that happen during transplantation more rapidly.

Primary Advantages:

- Development of a potent root system (root and root hairs).
- Helps to overcome plant stress during the critical moments of transplantation, seedbed or plantation.
- Speeds up plant growth, such that the plant reaches the flowering stage sooner.
- Completely natural, hormone-free product, consequently, it does not leave chemicals residues.

In addition to this, ***Inicium***®***,*** maintains an equilibrium between the aerial and root parts of the plant, thus reducing the etiolation of the plant. (vigour loss)

Dosage and how to use it:

Field, in vegetable transplantation	
Moment	At the first watering of plantation and 7 days later.
Dose	10 - 15 l/ha
Nº of applications	2 applications

Seed Beds	
Moment	From the budding of the cotyledon.
Dose	6 -10 ml/1liter of water
Nº of applications	From 1 to 3 applications

The main crops are: vegetables, strawberries, tree crops (citrus, fruit, sub-tropical, vineyard, etc.) and in those industrial crops (e.g. beetroot, cotton) where planting problems can occur.

In tree crops apply at the beginning of the root activity.

The doses noted here are designed for a single application, although depending on the type of dosage, users can portion the total doses and distribute them in several portions, always applicable at the beginning of the cultivation. Please always consult the product label for recommendations by crop.

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Aug 2017

INICIUM - SPECIMEN LABEL

GUARANTEED ANALYSIS
Organic Matter ..... 40 % w/w
Total Nitrogen (Organic N)..... 5.5 % w/w
Soluble Phosphorous (P2O5)..... 5.5 % w/w

CHARACTERISTICS
Inicium® is a product especially developed to initiate root activity.
Inicium® is recommended to be used to help plants overcome the stress situations produced at transplantation time (drought, temperature, light, salinity, etc…).
Inicium® activate stress proteins helping the plant quickly overcome transplantation stress.
Inicium® induces the development of a strong root system (roots and hair roots).
Inicium® keeps the balance between the root and the aerial part (root/leaf ratio)
Inicium® advances the evolution of initial stages of plant development, thus reaching earlier the flowering time.

CROPS, DOSAGE AND TIMING OF APPLICATION
Crops:
Inicium® can be applied to all crops and it is especially recommended to apply on nursery plants (lettuce, celery, broccoli, tomato, pepper, cucumber, melon, squash, watermelon, etc…) , strawberries, fruit trees (pome and stone fruits, citrus, tropical fruits, olive trees, etc..), grapes, etc.. to activate root development.

Dosage:
Vegetables and Strawberries:
Apply minimum 2 times through drip irrigation at 10-15 L/ha
Fruits:
Young fruits: 10-20 ml/L.
Initiation of production: 40-80 ml/L.
Full production: 60-120 ml/L
Nurseries:
Apply 6-10 ml/L of water.

The dosage is related to the root mass to be treated, type of crop and the degree of adverse conditions present (transplantation stress).

Timing of application:
In nurseries, from cotyledon stage.
At transplantation, diluted in water at the first irrigation.
In fruit trees, at the initiation of the root activity.

COMPATIBILITY
Inicium® can be mixed with most fertilisers and pesticides that are in current usage. Always read the product labels and follow the manufacturers' instructions for all products at all times and, if there is any doubt at all, consult the manufacturers concerned.

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MADE IN FRANCE

KIWIFRUIT Complex

Agronutrition

FERTILISER - A BLEND OF WATER SOLUBLE NUTRIENTS FOR KIWIFRUIT

Precision technologies

N	P	K	Mg	S	Ca
6.4%	1.29%	2.92%	7.95%		

B	Cu	Fe	Mn	Mo	Zn
0.04%		1.35%	0.04%		1.5%

SMB Specific Mineral Balance

Specifications

PACK SIZE
10 KG

FORMULATION
Specific Mineral balance

SHELF LIFE OF THE PRODUCT
24 months

APPLICATION
Foliar

FORM
Powder (SP)

DENSITY
1

STORAGE CONDITIONS
Store away from humidity.

Agronomic interests

ROLE OF NUTRIENT(S)

Supply combined with Nitrogen, Phosphorus, Potassium, Magnesium and Trace elements essential to the good progress of the crop. The proportion of each element is specific to the needs of the plant then allowing an improvement of the overall nutritional status of the plant.

PRODUCT SPECIFICATIONS

Kiwifruit Complex supplies a balanced blend of nutrients which leaf analysis has shown to be commonly deficient or below optimum in the growing crop.

The fully soluble ingredients in Kiwifruit Complex are readily absorbed by the foliage and will provide a rapid boost to thses essential elements..

The rigorous selection of the raw materials guarantees it to be 100% soluble in the treatment mix.

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

> Rate of use:
KIWIFRUIT: 5 kg per hectare per application. For best results apply in at least 200 litres of water per hectare. Do not use less than 200 litres per hectare if applied in combination with other products.

> Timing:
Apply regularly, as required, up to six times per year, starting as soon as there is sufficient foliage to absorb the spray.
A core program of at least 3 treatments would be:
- 1st application during spring canopy development before flowering
- 2nd application after pollination at beginning of fruit set
- 3rd application 21 days after the 2nd application

Non cropping, establishing young orchards: apply as required ensuring at least three applications during the growing season.

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. Gradually add the required amount of KIWIFRUIT Complex and then add the rest of the water, maintaining agitation continuously. When combining with other components in a tank-mix, always add KIWIFRUIT Complex first. Do not allow the mixture to stand without agitation.
3. After spraying, clean and rinse the spraying equipment thoroughly.

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DE SANGOSSE

DE SANGOSSE

MELSPRAY HIGH POTASSIUM

FULLY SOLUBLE COMPOUND FERTILISERS

6-5-30 + 2Mg + TE

Solid compound fertiliser for fertigation and foliar application

Major Nutrients	6 % N of which	1.2 % ammonium N	
		3.8 % nitrate N	
		1 % ureic N	
	5 % water soluble phosphorus		(12 % P_2O_5)
	30 % water soluble potassium		(36 % K_2O)
	2 % magnesium		(3% MgO)

Trace Elements (elemental)	Fe EDTA chelated	260	ppm
	Cu EDTA chelated	75	ppm
	Zn EDTA chelated	230	ppm
	Mn EDTA chelated	320	ppm
	Boron	100	ppm

low chlorine and sodium formulation
legal tolerances as per E.U. regulations

Appearance: crystalline/powder

APPLICATION RECOMMENDATIONS

Application	Late season fruit builder in situations where low N content is required to avoid unwanted vigour. Helps increase Brix. Increases plant strength and drought resistance
Number of applications	2 – 4 times in cases of deficiency
Interval in weeks	1 - 2
Foliar application rate/ha	2 - 6 kg in 400 to 1000 litres of water/ha
Fertigation	1-3 gr. per litre irrigation water at regular intervals

Physical properties	conc. in clean water	1 gr/ltr	2 gr/ltr	3 gr/ltr
	EC	1.36	2.55	3.69
	pH value	3.54	3.43	3.33

MADE IN FRANCE

Mg 85S

FERTILISER - LIQUID FERTILISER CONTAINING MAGNESIUM

Precision technologies

N	P	K	Mg	S	Ca
			50.9	66.6	

B	Cu	Fe	Mn	Mo	Zn

SMB Specific Mineral Balance

In g/L for liquid products

Specifications

AMINO-ALCOHOL FREE

PACK SIZE
10 L

SHELF LIFE OF THE PRODUCT
36 months

FORM
Liquid (SL)

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% solube 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.

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DE SANGOSSE

MADE IN FRANCE

MICROSTAR PZ

FERTILISER - NP 17.4-10 FERTILISER WITH ZINC

Precision technologies

N	P	K	Mg	S	Ca
10%	17.44%			4.4%	

B	Cu	Fe	Mn	Mo	Zn
					2%

TPP techonology phosphorus preservation

Specifications

PACK SIZE
20 KG

FORMULATION
Technology Phosphorus Preservation

SHELF LIFE OF THE PRODUCT
24 months

APPLICATION
Soil

FORM
Micro granules

DENSITY
0.85 +/- 0,05

STORAGE CONDITIONS
Store away from humidity

Agronomic interests

ROLE OF NUTRIENT(S)

MICROSTAR PZ associates Nitrogen and Phosphorus to the Zinc trace element under perfectly assimilable forms.
This mineral balance acts directly on the growth and the vegetative development.

MICROSTAR PZ covers the needs in Zinc of the most demanding crops. Hardly mobile in the soil, Phosphorous is difficult to access by the roots of the seedling.
The close placement of P and Zinc to the roots, increases the uptake chances by many factors.

PRODUCT SPECIFICATIONS

Uniform micro-granules provide multiple contact points with the seed providing emerging seedlings with vital nutrition elements for an optimum start.
Microstar PZ is a vital part of the new season fertiliser program. It improves the efficiency of fertiliser use, and limits leaching losses improving yield.

Microstar PZ is specially designed to be used with all microgranule application equipment currently set up on seeders. It offers extremely accurate fertiliser placement at the time of planting. Microstar PZ allows reduced quantities of fertiliser to be used and simplifies logistics.

FEATURES AND BENEFITS OF THE FORMULATION

The specific formulation of this product guarantees a very strong assimilation of the nutrition elements by the soil solution guaranteeing a better availability for the roots.

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 soil.

Directions of use

CROP RECOMMENDATIONS

> **MAIZE, CEREAL -** Rate: 20-30 kg/ha - Timing: placement in the furrow with the seeds. Applied with micro granule applicator.

> **VEGETABLES AND OTHER CROPS -** Rate: 20-30 kg/ha - Timing: placement in the furrow with the seeds. Applied with micro granule applicator.

> **FORAGE BRASSICAS -** Rate: 20-30 kg/ha - Timing: placement in the furrow with the seeds. Applied with micro granule equipment or mixed with seeds (with conventional drills). When mixing with seeds, thoroughly mix the micro granules with the seeds. Sow about 3 to 4 hectares at most to avoid separation of the mix.

> **FODDER BEET -** Rate: 30 kg/ha - Timing: placement in the furrow with the seeds. Applied with micro granule equipment.

> **PASTURES/LUCERNE/FESCUE/RYEGRASS/CLOVER -** Rate: 20 kg/ha - Timing: placement in the furrow with the seeds. Applied with micro granule equipment or mixed with seeds (with conventional drills). When mixing with seeds, thoroughly mix the micro granules with the seeds. Sow about 3 to 4 hectares at most to avoid separation of the mix.

Instructions for use

Make sure equipment used is calibrated, apply the correct amount of product. Take atmospheric conditions into consideration, such as humdity etc affecting flow. Empty microgranule boxes after use.

Precautions

DO NOT APPLY ON FRENCH BEANS AND CARROTS.

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DE SANGOSSE

BIOSTIMULANT FOR PLANT

MADE IN FRANCE

NECTAR INTENSE

FERTILISER - LIQUID FERTILISER CONTAINING CALCIUM AND ELICITORS

Agronutrition

NutriCare technologies

PROTEIN EXTRACT

ASSOCIATED WITH NUTRIENT(S)

Calcium: 113.5

Specifications

AMINO-ALCOHOL FREE

PACK SIZE
10 L

SHELF LIFE OF THE PRODUCT
18 months

FORM
Liquid (SC)

STORAGE CONDITIONS
Store away from frost.

FORMULATION
Nutricitor

APPLICATION
Foliar

DENSITY
1.27

Agronomic interests

ROLE OF ACTIVE INGREDIENT

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

PRODUCT SPECIFICATIONS

NECTAR Intense prevents any physiological and nutritional unbalance in the vegetative process (Tip Burn, apical necrosis, vitrescence...).

NECTAR Intense, thanks to the balanced Calcium /Elicitor contributes to the colorationand the preservation.

NECTAR Intense is a ready for use liquid product with a very “soft” action on fruits: easy of use, safety of use and safety for theconsumers.

FEATURES AND BENEFITS OF THE FORMULATION

The plants do not suffer in a passive way from the microorganism attacks. They possess defense genes which are activated when infected by some aggressors. In case of attack, the infected tissues necrose rapidly and defense barriers are put in place in the tissues not yet infected which stops and/or delays the spreading of the illness. However, this reaction considered as hypersensitivity begins only if the plant is able to recognize some molecules produced by its aggressor, the elicitors. To elicit is to give to the plant means to recognize its aggressor. With lack of elicitors, the defense mechanism is not activated and the illness develops.

Directions of use

CROP RECOMMENDATIONS

> **FRUIT TREES** (stone and pip fruit) **-** Rate: 2 L/ha in 200 L min of water - Timing: up to 5 applications at 10-14 day intervals from C-C3 stage and during the swelling of the fruits.

> **RED COLOUR SPRAY: VINE, FRUIT TREES -** Rate: 5 L/ha in 500 to 1500 L/ha of water - Timing: 2 to 3 weeks before harvest.
Rate: 10 L/ha when water rate is above 1500L/ha.

> **OTHER CROPS AND VEGETABLES** (tomato, strawberry...) **-** Rate: 2 L/ha in 200 L min of water - Timing: 4 to 6 applications at 10-14 day intervals on well-established crops.

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 28oC. 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 NECTAR Intense and then add the rest of the water, maintaining agitation continuously. When combining with other components in a tank-mix, always add NECTAR Intense last. Do not allow the mixture to stand without agitation.
3. After spraying, clean and rinse the spraying equipment thoroughly.

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DE SANGOSSE

BIOSTIMULANT FOR PLANT

MADE IN FRANCE

NEXAR Ca

FERTILISER - LIQUID FERTILISER CONTAINING CALCIUM

NutriCare technologies

ASCOPHYLLUM NODOSUM EXTRACTS

ASSOCIATED WITH NUTRIENT(S)

Calcium: 141.8 g/L

Specifications

AMINO-ALCOHOL FREE

PACK SIZE
20 L, 200 L

SHELF LIFE OF THE PRODUCT
36 months

FORM
Liquid (SL)

STORAGE CONDITIONS
Store away from frost.

FORMULATION
Natural seaweed extracts

APPLICATION
Foliar

DENSITY
1.29

Agronomic interests

ROLE OF ACTIVE INGREDIENT

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

Rich in co-actives: Phytohormones, Vitamins, amino acids, Peptides, Polysaccharides (essential cellular constituent)

PRODUCT SPECIFICATIONS

NEXAR CA is highly concentrated in Calcium preventing any physiological and nutritional unbalance of fruits and vegetables.

NEXAR CA contributes to the grade of fruits and vegetables, their keeping quality and their resistance to shocks and bruises. The rigorous choice of raw materials and the specific manufacturing process of double filtering of NEXAR CA guarantees 100% solubility.

NEXAR CA is a ready for use liquid product with a very “soft” action on fruits, safe to use and handle.

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

> **FRUIT TREES** (stone and pip fruit) **-** Rate: 8 L/ha in 400 L min of water - Timing: 5-7 applications at 15 days intervals from start of fruit enlargement and up to 3 weeks before harvest.

> **KIWIFRUIT -** Rate: 8 L/ha in 400 L min of water - Timing: up to 5 applications at 15 day intervals from start of fruit enlargement throughout the growing season.

> **GRAPES -** Rate: 5 L/ha in 250 L min of water - Timing: 2-3 applications at 10- 14 day intervals from fruit set as required to condition skin thickness through to veraison and colour change.

> **OTHER CROPS AND VEGETABLES** (outdoor) **-** Rate: 5 L/ha in 250 L min of water - Timing: 4 to 6 applications at 10-14 day intervals on well-established crops.

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 NEXAR CA, then add the rest of the water maintaining agitation continuously. When combining with other components in a tank-mix, always add NEXAR CA last. Do not allow the mixture to stand without agitation.
3. After spraying, clean and rinse the spraying equipment thoroughly.

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DE SANGOSSE

BIOSTIMULANT FOR PLANT

NEXAR K

FERTILISER

NutriCare technologies

MADE IN FRANCE

Agronutrition

ASCOPHYLLUM NODOSUM EXTRACTS

ASSOCIATED WITH NUTRIENT(S)

Nitrogen: 4.3%
Potassium: 27.34%

Specifications

AMINO-ALCOHOL FREE

PACK SIZE
20 L, 200 L

SHELF LIFE OF THE PRODUCT
24 months

FORM
Liquid (SL)

STORAGE CONDITIONS
Store away from frost.

FORMULATION
Natural Seaweed Extracts

APPLICATION
Foliar and Fertigation

DENSITY
1.39

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

Nexar K is specifically studied and balanced to optimize the maturity and the quality of the grape crop and the fruits at the end of the cycle.

By a foliar action, it helps with the transfer of elaborated substances, from the leaves to the fruits or berries.
Nexar K is a 100% soluble potassium concentrate in synergic association with Nitrogen.

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
Rate: 5-15 mL/L (5L/ha max) - Recommended water volume: 1000 L min

> **GRAPES:** 4-5 L/Ha - Timing: 2-3 applications from Start of Fruitset through to Harvest.
> **APPLE:** 5L/Ha apply at 10-15 day intervals starting 4 weeks after petal fall. Water Rate 500 - 1000/Ha
> **STONE FRUIT:** 4 -5L/Ha - Start at stone hardening and continue every 10-15 days. Water Rate - 500L - 1000L/Ha
> **CITRUS:** 3 -5 L/Ha - Start applying after fruitset and repeat at 15 - 20 day intervals.
> **AVOCADO:** 3-5L/Ha - Start applying from early fruit development through to harvest at 15 -20 day Intervals. Water Rate 500 - 1000L/Ha
> **BERRY CROPS** (Field Grown): 3-5L/Ha Start applications after flowering and continue to apply at 10 -14 day intervals until harvest.
> **VEGETABLES:** 3-5L/ha at 10-15 day intervals on sufficiently developed foliage.

USE IN FERTIGATION
7 -15 L/ha per application (to be diluted to 10 % maximum in the mother solution)

Instructions for use

Foliar Application:
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. Avoid spraying in poor drying conditions.
If possible, apply during evening or early morning especially if day-time temperatures exceed 25°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.
Do not apply copper within 7 days either side of Nexar K applications.

Fertigation:
Use the product in direct or indirect injection (mother solution) adapting thedilution level to the crop's needs

Precautions

MIXING
1. Fill the spray tank with half the required amount of water and start agitation.
2. Add the required amount of our product, then add the rest of the water maintaining agitation continuously.
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**

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DE SANGOSSE

BIOSTIMULANT FOR PLANT

MADE IN FRANCE

NEXAR Mg

FERTILISER - LIQUID FERTILISER CONTAINING MAGNESIUM WITH SEAWEED

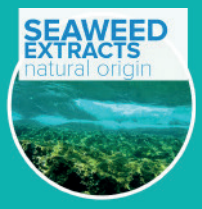
Agronutrition

NutriCare technologies

ASCOPHYLLUM NODOSUM EXTRACTS

ASSOCIATED WITH NUTRIENT(S)

Nitrogen: 79.2 g/L
Magnesium: 71.8 g/L



Specifications

PACK SIZE
20L, 200L, 1000L

FORMULATION
Natural seaweed extracts (Ascophyllum nodosum)

SHELF LIFE OF THE PRODUCT
24 months

APPLICATION
Foliar

FORM
Liquid (SL)

DENSITY
1.30

AMINO-ALCOHOL FREE

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

Agronomic interests

ROLE OF ACTIVE INGREDIENT	PRODUCT SPECIFICATIONS	FEATURES AND BENEFITS OF THE FORMULATION
Magnesium: - Photosynthesis - Synthesis of carbohydrates and lipids Rich in active elements: Phytohormones, Vitamins, amino acids, Peptides, Polysaccharides (essential cellular constituent)	Nexar Mg helps achieve high yields and improves the crop quality. It provides Magnesium in a 100% soluble liquid form, and natural cold-extracted seaweed of *Ascophyllum nodosum*. Nexar Mg is liquid product with a very soft action on foliage or fruits.	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	Instructions for use
> **GRAPES -** Rate: 3-6 L/ha in 150 L min of water - Timing: 2 to 3 applications before and after flowering, then 3-4 applications from bunch closures. > **VEGETABLES -** Rate: 3-6 L/ha in 150 L min of water - Timing: 1 to 2 applications at 10-14 day intervals on well-established crops. > **CEREALS, MAIZE, BRASSICAS, BEET, ETC. -** Rate: 3-6 L/ha in 150 L min of water - Timing: 1-2 applications during periods of slow growth at establishment followed up when foliage has developed. > **FRUIT TREES -** Rate: 3-6 L/ha in 150 L min of water - Timing: 3-4 applications from petal fall then every 10-15 days. > **KIWIFRUIT -** Rate: 3-6L/ha (400L/ha min water)- Timing: 3-4 applications at 10-15 day intervals during spring canopy development up to 14 days post fruit set (avoid flowering). Continue applications at maximum 3L/ha up to 50 days before harvest. For protected crops, use a 2% concentration to stimulate photosynthesis.	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 Nexar Mg, then add the rest of the water maintaining agitation continuously. When combining with other components in a tank-mix, always add Nexar Mg last. Do not allow the mixture to stand without agitation.
3. After spraying, clean and rinse the spraying equipment thoroughly.

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DE SANGOSSE

MADE IN FRANCE

NOVAPHOS CaZn

Agronutrition

FERTILISER - NP-FERTILISER SUSPENSION WITH Ca AND Zn

Precision technologies

N	P	K	Mg	S	Ca
50	102.68				202.06

B	Cu	Fe	Mn	Mo	Zn
					120

SC supension concentrate

In g/L for liquid products

Specifications

AMINO-ALCOHOL FREE

PACK SIZE
20 L, 200 L

SHELF LIFE OF THE PRODUCT
24 months

FORM
Liquid (SC)

STORAGE CONDITIONS
Store away from frost.

FORMULATION
Suspension concentrate (FLOW)

APPLICATION
Foliar

DENSITY
1.57

Agronomic interests

ROLE OF NUTRIENT(S)

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

Phosphorus:
- Energy carrying
- Membrane constituents
- Protein synthesis

Zinc:
- Growth hormone synthesis
- Enzymatic functioning
- Protein synthesis

PRODUCT SPECIFICATIONS

Novaphos CaZn is highly concentrated in Calcium and Phosphorus preventing any physiological and nutritional unbalance of fruit and vegetables.

Novaphos CaZn contributes to the grade of fruit and vegetables, their keeping quality and their resistance to shocks and bruises.

Novaphos CaZn is a 100% soluble Calcium concentrate formulated to provide maximum effect in synergy with phosphorus.

FEATURES AND BENEFITS OF THE FORMULATION

Suspension Concentrates allow the supply of high levels of mineral elements to the plant whilst ensuring effective, progressive and sustainable assimilation.

Directions of use

CROP RECOMMENDATIONS

> **PIP FRUIT** (apple, pear) **-** Rate: 5-10 L/ha in 500 L of water - Timing: From petal falls with repeat applications at 10-14 day intervals. On russet sensitive varieties delay applications until 6 weeks after petal fall. DO NOT APPLY WITHIN ONE MONTH PRIOR TO ESTIMATED HARVEST.

> **STONE FRUIT -** Rate: 5 L/ha in 500-1000 L of water. Timing: 4 times. First application at petal falls with repeat applications at 7 to 14 day intervals.

> **CITRUS -** Rate: 5-10 L/ha in 500-1000 L of water. Timing: 2 to 3 times starting at fruit set with repeat applications at 10 to 14 day intervals.

> **MAIZE -** Rate: 2-5 L/ha in 250 L of water. Timing: at 4 to 8 leaves stage.

> **CANOLA -** Rate: 5-10 L/ha in 250 L of water. Timing: 2 to 3 times at 4 to 6 leaves stage, onset of stem elongation, and 10 to 14 days later.

> **CEREALS -** Rate: 5-10 L/ha in 250 L of water. Timing: at mid-tillering to second node.

> **POTATOES -** Rate: 5-10 L/ha in 250 L of water. Timing: 1 week after 100% crop emergence. Repeat as necessary at 10 to 14 day intervals.

> **SOYBEAN -** Rate: 5 L/ha in 250 L of water. Timing: before flowering.

> **SUGAR BEET -** Rate: 2 L/ha in 250 L of water. Timing: at 4 to 6 leaves stage. Repeat if necessary at 10 to 14 day intervals.

> **SUNFLOWER -** Rate: 5 L/ha in 250 L of water. Timing: at 3 to 4 leaves stage.

> **SWEET POTATOES -** Rate: 5 L/ha in 200 L of water. Timing: 1 week after 100% emergence or transplanting. Repeat applications during tuber bulking at 10 to 14 day intervals.

> **GRAPES -** Rate: 5-10 L/ha in 500 L of water. Timing: at 4 to 6 leaves stage. Repeat if necessary at 10 to 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 Novaphos CaZn, then add the rest of the water maintaining agitation continuously. When combining with other components in a tank-mix, always add Novaphos CaZn 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**

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DE SANGOSSE

BIOSTIMULANT FOR PLANT

ONE.A PROLINE

MADE IN FRANCE

Agronutrition

NutriCare technologies

L-PROLINE

ASSOCIATED WITH NUTRIENT(S)

Calcium (Ca): 143 g/L

One.A Proline is a complexed Calcium using bioactive Proline amino acid.

Specifications

PACK SIZE
10 L

FORMULATION
Pure FREE Amino-Acids / Synthesis Origin

SHELF LIFE OF THE PRODUCT
18 months

APPLICATION
Foliar

FORM
Liquid (SL)

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

Agronomic interests

ROLE OF ACTIVE INGREDIENT

L.Proline plays a crucial role in protecting plants during various environmental stresses.
Proline is an excellent anti stress agent and leads to tolerance to a wide range of abiotic stresses. Proline is especially important during osmotic stress (drought, salinity and freezing).

Proline leads to:
- Osmotic adjusment (compatible osmolyte)
- Stabilised cellular structures
- Prevention of cell damage due to free radicals (radical scavenger)
- Provides energy needed for recovery
- Efficient Calcium treatment due to the amino acid complexing of the Calcium to improve plant cell strength.

PRODUCT SPECIFICATIONS

ONE.A PROLINE is a ready-to-use liquid formulation containing L.Proline and Calcium.

ONE.A PROLINE is an original technology using bioactive Proline amino acid.
Benefits when using ONE.A PRLONE is the improvement in the harvest quality of fruit and vegetables and mitigating environmental stress on the plant.

FEATURES AND BENEFITS OF THE FORMULATION

When amino acids are not bonded in order to form peptides or proteins, they are “free amino acids”.

Free amino acids are directly and totally usable by the plant.

FREE AMINO ACIDS ARE NATURAL, STABLE AND NEUTRAL SUBSTANCES FOR FOLIAR SPRAYS.

Amino acids are easily absorbed by the plants leaves and fruit cells and since amino acids form bonds with Calcium they greatly improve Calcium uptake.

Directions of use

CROP RECOMMENDATIONS

FOLIAR APPLICATION

> **FRUIT TREES** (Stone and Pip fruit)
Rate: 6 L/ha in 400L min of water.
Timing: 5-7 applications at 15 day intervals, 1st application from fruit set and up to 3 weeks before harvest.

> **OTHER CROPS AND VEGETABLES** (Outdoor)
Rate: 6 L/ha in 400L min of water.
Timing: 4 to 6 applications at 10-14 day intervals on well-established crops.

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 25°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.

Distributed by: De Sangosse New Zealand Ltd, PO Box 113, Te Awamutu, 3841.
Ph.: 07 827 4856, Fax: 07 827 4806. Email: infonz@desangosse.com, web: www.desangosse.co.nz

DE SANGOSSE

DE SANGOSSE

PanCal

PanCal is a ready to use liquid formulation containing calcium nitrate with additional nutrients. It is specifically designed for use as a foliar spray and contains advanced surfactants to improve adhesion and to maximise the uptake of nutrients by the plant.

CONTAINS **Calcium with** other micronutrients.

USE To correct calcium deficiency and to prevent disorders related to calcium shortages.

ANALYSIS

Calcium (Ca)	16% w/v
Magnesium (Mg)	1.8 % w/v
Total Nitrogen (N)	14.9% w/v
Nitrate nitrogen	14.1% w/v
Ammoniacal nitrogen	0.8% w/v
Zinc (Zn)	300 ppm w/v
Boron (B)	750 ppm w/v

PRECAUTIONS

Avoid spraying in very strong sunlight and/or very high temperatures. If possible, apply during the evening or early morning especially if the day temperature is above 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.

NOTE: Do not use outside the recommendations of this label unless advised in written form by the manufacturer. All other uses are at the risk of the user.

COMPATIBILITY

PanCal is physically compatible with many of the pesticides, growth regulators and micronutrients that are in current usage, so is available to be tank mixed when timings coincide. Unfortunately, due to formulation difference, some tank mix combinations may be found to be physically incompatible – so consult De Sangosse for the latest tank mixing recommendations.

Biological compatibility may vary depending on seasonal factors, crop conditions and growth stage as well as the tank mix partner, so no guarantees can be given. Always read the product labels and follow manufacturers instructions for all products at all times, and if there is any doubt at all, consult the manufacturers concerned

CROP RECOMMENDATIONS

Plant tissue analysis is recommended to establish deficiencies. Please refer to individual **Crop Programs for further nutritional information. Contact your local De Sangosse Territory Manager in that regard.**

Apples and Pears

For reduction in bitter pit, russeting, skin splitting, cracking, rupture and bruising and to improve fruit firmness and storage potential.

Application Rate: 5 - 10 L/ha to give a minimum of 60 litres over the season

Water Volume: High volume 500 L/ha (to incipient run-off) on small trees and increase *pro rata* for larger trees as necessary.
Concentrate spraying: do not exceed 10 L/ha.

Timing: Commence immediately post-blossom and repeat every 10-14 days up to 10-14 days before harvest. The continuity of the spray programme through the season is important, but exact rates and timings can be manipulated to suit local spraying practice and variety requirements.
Avoid spraying in very high temperatures; young foliage and crops under stress are more susceptible to scorch; spray in the late morning or early evening for best results. If spraying cannot be deferred and temperatures exceed 28°C use the lower dose and a 7-day interval to give the same total amount over the season.

Adjuvants: When **PanCal** is applied by itself the use of sticker adjuvant **Union** is strongly recommended.

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Brassicas: **For prevention of calcium and other deficiency-induced foliar disorders.**
Application Rate: 5.0 L/ha
Water Volume: At least 200 L/ha
Timing: Apply early in the season when the plants are growing actively and once there is sufficient foliage present to absorb the spray.

Carrots and Root Crops (excluding potatoes): For the prevention of deficiency-induced disorders.
Application Rate: 5.0 L/ha
Water Volume: At least 500 L/ha
Timing: Apply once there is sufficient foliage present to intercept the spray.
Repeat at 7-14 day intervals as required.

Celery: **To prevent Blackheart.**
Application Rate: 2.5 - 5.0 L/ha
Water Volume: 200 L/ha minimum
Timing: Apply at young stage and repeat at 7-14 day intervals as required.

Citrus: **For the prevention of calcium deficiency and other deficiency related disorders.**
Application rate: 5.0 – 7.5 L/ha from fruit set, up to 4 applications per season.
Water volume: At least 500 litres of water per hectare.
Use **Union** adjuvant for improved coverage and uptake at 50 ml/100 litres water (maximum 500ml per hectare).

Grapes: **To reduce stem die-back and premature fruit drop.**
Application rate: 2.5 - 5.0 L/ha
Water volume: At least 500 L/ha (to incipient run-off)
Timing: Apply at suitable intervals at 2.5 L/ha from the end of flowering.
Increase the rate to 5.0 L/ha and the interval to 14 days once the fruit begins to soften.

Lettuce(Outdoor): For prevention of *tip-burn* and *heart-rot*.
Application Rate: 5.0 L/ha
Water Volume: 200 L/ha minimum
Timing: Commence applications a minimum of 14 days after emergence or transplanting.
Apply directly onto susceptible tissue. Repeat at 7-10 day intervals as required.

Melons and Cucurbits: For prevention of calcium and other deficiency-induced disorders.
Application Rate: 5.0 L/ha
Water Volume: At least 500 L/ha
Timing: Apply up to 3 sprays after flowering, at 10-14 day intervals.

Potatoes: **For prevention of internal *Rust Spot* and to improve storage potential.**
Application Rate: 3.0 - 5.0 L/ha
Water: At least 500 L/ha
Timing: Apply at tuber initiation, with 2 further treatments at 10-14 day intervals.

Stonefruit: **To prevent surface deformities and improve storage potential.**
Application Rate: 2.5 L/ha (maintenance)
5.0 L/ha (deficiency)
Water Volume: At least 500 L/ha or *pro rata* for larger trees, to incipient run-off.
Do not exceed a total of 10% concentration of **Pancal** in the spray mix.
Timing: Apply one month prior to harvest and repeat 10-14 days later or follow the programme recommended for apples and pears.

Strawberries: **To improve fruit firmness and shelf life.**
Application rate: 2.5 L/ha (maintenance)
5.0 L/ha (deficiency)
Water Volume: 500 - 1000 L/ha
Timing: Apply from the start of flowering and repeat at 7-14 day intervals through to harvest, or as required.

Tomatoes/Peppers/Tamarillos and Capsicums: To prevent *Blossom End Rot* and other deficiency-induced disorders.
Application Rate: 5.0 - 10.0 L/ha
Water Volume: 500 L/ha (to incipient run-off)
Timing: Apply from fruit set, directly onto the growing fruit and continue at 7-10 day intervals during fruit development.

Manufactured by De Sangosse New Zealand Ltd

Oct 2016

De Sangosse New Zealand Ltd
PO Box 113, Te Awamutu, Ph: 07 827-4856, Fax: 07 827-4806
email: infonz@desangosse.com - web: www.desangosse.co.nz

BIOSTIMULANT FOR PLANT

MADE IN FRANCE

SEALEAF ORIGIN

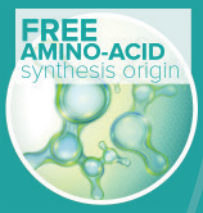
Agronutrition

NutriCare technologies

7 AMINO-ACIDS (6%) COMBINED WITH PURE EXTRACT OF ASCOPHYLLUM NODOSUM

ASSOCIATED WITH NUTRIENT(S)

Nitrogen (N): 65 g/L
Potassium (K_2O): 57 g/L



Specifications

PACK SIZE
10 L

FORMULATION
Seaweed extracts Natural Origin & Pure FREE Amino-Acids

SHELF LIFE OF THE PRODUCT
18 months

APPLICATION
Foliar

FORM
Liquid (SL)

DENSITY
1.205

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 unique selection of 7 AMINO-ACIDS for improving metabolism activity of plant:

/Alanine & Glycine: photosynthesis and vegetative growth
/Methionine: root promoter (amplifies auxin effect)
/Proline: anti-stress and osmo-regulator
/Aspartic acid, Glutamic acid & Arginine: metabolism of nitrogen

The Pure Extract of fresh Seaweed amplifies and supports each action of amino-acids.

PRODUCT SPECIFICATIONS

SEALEAF Origin is a bio-stimulating product for foliar application.

SEALEAF Origin improves:
/Root growth,
/Vegetative growth,
/Nutrient assimilation (nitrogen)
/Anti-stress and water tolerance

SEALEAF Origin a global PLANT BOOSTER.

FEATURES AND BENEFITS OF THE FORMULATION

Pure FREE AMINO-ACIDS
When amino acids are not bonded in order to form peptides or proteins, they are “free amino acids”.

Free amino acids are directly and totally usable by the plant. FREE AMINO ACIDS are natural, stable and neutral substances for foliar sprays.
They are easyly uptakenable by the leaves of the plant.

Natural SEAWEED EXTRACTS
They 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.
Cristallisation is also avoided due to reduced water evaporation, resulting in an absorption rate of 80-90%.

Directions of use

CROP RECOMMENDATIONS

FOLIAR APPLICATION
Maximum concentration 1% (1 L in 100 L of water)

> **GRAPES -** Rate: 2-3 L/ha
Timing: separated bunches/Start flowering/Fruit set

> **FRUIT TREES (stone and pip fruits, red berries)* -** Rate: 2-3 L/ha
Timing: pre-flowering (C)/Stage (E)/Petal dropping (G)

> **VEGETABLES (carrot, salad, tomato...) -** Rate: 2-3 L/ha
Timing : 1 to 2 applications from 10 days interval on well developed foliage.

> **BROADACRE (wheat, maize, canola...) -** Rate: 1-2 L/ha
Timing: 1 to 2 applications from stem elongation to flowering.

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 25°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. Do not apply 4 days prior to Copper or 7 days post Copper application. If there is any doubt at all, consult the manufacturer or distributor concerned.

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DE SANGOSSE

DE SANGOSSE

Terra-Sorb® *Complex*

Plant Stress Management Compound made of active L-α Amino Acids obtained by Enzymatic Hydrolysis

GUARANTEED ANALYSIS

Free Amino Acids.....	149 g/L
Total Nitrogen (N).....	41 g/L
Organic Nitrogen (N).....	37 g/L
Organic Matter.....	186 g/L
Magnesium (Mg)	3 g/L
Boron (B).....	11 g/L
Iron (Fe)	7 g/L
Manganese (Mn).....	740 mg/L
Zinc (Zn).....	740 mg/L
Molybdenum (Mo).....	traces

APPLICATION

Terra-Sorb® complex is a biostimulant for foliar spray containing a high level of free L-α-Amino Acids from Enzymatic Hydrolysis. The product also contains secondary nutrients and micronutrients. Both, Amino Acids and micronutrients, activate many physiological and enzymatic processes in plants. In addition, L-α-Amino Acids penetrate inside plant cells increasing their photosynthesis activity and chlorophyll content.
It is recommended to apply ***Terra-Sorb® complex*** when crops need a nutritional and physiological stimulation (shoot growth, pre-flowering, fruit growth). It is also recommended to apply ***Terra-Sorb® complex*** whenever a crop is suffering from stress situations such as drought, cold, frost, heat, salinity, asphyxia, etc...and as a recovery treatment after critical periods such as transplantation, hail, wind, etc…

CROPS AND DOSAGE

Terra-Sorb® complex can be applied to many crops, such as: Vegetables, Fruit trees, Citrus, Olive trees, Grapes, Potato, Cotton, Sugar Beet, Cereals, Rice, Maize, Sunflower, Oil seed Rape, Tobacco etc...
Apply ***Terra-Sorb®complex*** 2 to 4 times at 100-200 mL in 100 L of water (or 1-2 L/Ha) at the recommended moments.

COMPATIBILITY

Terra-Sorb® complex can be tank mixed with commonly used pesticides, product growth regulators and fertilisers. Do not mix with products containing copper, sulphur or mineral oils. In cases of unknown compatibility it is better to do a prior test before application.

NOTICE FOR USERS

The recommendations and information provided are the result of extensive studies and tests carried out under strict conditions. However, a number of factors beyond our control (preparation of mixtures, application, weather conditions, etc) may intervene in the use of this product. The company guarantees its composition, formulation and content. The user shall be liable for any damages caused (lack of effectiveness, general toxicity, waste, etc) due to total or partial failure to follow the instructions on this label. Store in the original container and protect from extreme humidity and temperatures.

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Jun 2018

MADE IN FRANCE

THIOMAX C

FERTILISER - NITROGEN AND SULPHUR FERTILISER SOLUTION WITH MANGANESE AND COPPER

Precision technologies

N	P	K	Mg	S	Ca
42				394	

B	Cu	Fe	Mn	Mo	Zn
	6		10		

In g/L for liquid products

LS ligno sulfonates

Specifications

PACK SIZE
10 L

SHELF LIFE OF THE PRODUCT
18 months

FORM
Liquid (SC)

STORAGE CONDITIONS
Store away from frost.

FORMULATION
Lignosulfonates

APPLICATION
Foliar

DENSITY
1.350

Agronomic interests

ROLE OF NUTRIENT(S)

Nitrogen:
Essential constituent of proteins/Enzymatic role/Photosynthesis

Sulphur:
Protein constituents/Enzymatic role/ Photosynthesis

Manganese:
Enzyme activation/Chlorophyll synthesis/ Nitrate reduction and protein synthesis

Copper:
Enzymatic role/Role on photosynthesis/ Protein synthesis/Lignin synthesis/Ear fertility

PRODUCT SPECIFICATIONS

Thiomax C prevents and corrects deficiencies in Sulphur for all crops by foliar application. It safe guards that the best possible yield and quality results are achieved. Thiomax C is formulated as a high concentrate available S, manufactured from highest purity raw materials.

Thiomax C is a ready for use liquid product with a very “soft” action on foliage, safe to use and handle.
Its high content in Sulphur with Nitrogen, Manganese and Copper makes it particularly suitable for cereals, brassica’s, fodder beet and beetroot.

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),
- Humactant effect (preventing cristalizing)

Level of absorption close to 80-90%

Directions of use

CROP RECOMMENDATIONS

> **CEREALS**
- Sulphur deficiencies - Rate: 5 L/ha in 100 L minimum of water - Timing: 1 to 2 applications from plant emergence up to ear emergence.
- Improvment of quality - Rate: 5 L/ha in 100 L minimum of water - Timing: after the second node to the ear emergence.

> **FIELD CROPS (MAIZE, OILSEEDS,..)** - Rate: 5 L/ha in 200 L minimum of water - Timing: 1 to 3 applications at 10-14 day intervals on well-established crops.

> **FRUIT TREES** - Rate: 5 L/ha in 800 L minimum of water - Timing: spray every 8-12 day during the crop cycle.

> **VEGETABLES** - Rate: 5 L/ha in 200 L minimum of water - Timing: spray every 8-12 day during the crop cycle.

> **GRAPES** - Rate: 3-5L/ha in minimum 300L of water - Timing: apply once flower buds are visible and repeat at 10-14 day intervals as necessary. **Avoid applications during flowering.**

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.

Precautions

MIXING
1. Fill the spray tank with half the required amount of water and start agitation.
2. Add the required amount of Thiomax C and then add the rest of the water, maintaining agitation continuously. When combining with other components in a tank-mix, always consult the distributor, De Sangosse NZ Ltd. Do not allow the mixture to stand without agitation.
3. After spraying, clean and rinse the spraying equipment thoroughly.

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DE SANGOSSE

DE SANGOSSE

union

A sticker spreader surfactant for fungicides, insecticides, plant growth regulators and foliar nutrients

Contains a blend of organo silicone and latex

UNION® is a non-ionic sticker spreader for application in tank mixture with crop protection agents. It improves the adhesion of spray droplets to targets, spreads the droplets, and can increase the rain-fastness of crop protection agents. Wetting and spreading ensures that spray spots are not appearing. It is in-tank mixable with most crop protection formulations, except where manufacturers do not recommend the use of an adjuvant, and is safe to crops. It increases droplet size independent on nozzle type used and has drift reduction potential. The spray water volume per hectare can be reduced by 25-50% when UNION is used.

Dose rates as tank mix adjuvant with fungicides, insecticides, plant growth regulators and foliar nutrients:

Oil seed rape, potatoes, legumes, vegetables:
400-500 ml/ha, independent on spray water volume used with a minimum application of 200 L spray water per ha.

Cereals: 250ml/ha, independent on spray volume.

Grapes:

Powdery Mildew: 250ml/ha

Downy Mildew, Botrytis and other diseases:
500ml/ha independent on water volume/ha used

Top fruit, Avocados and Kiwifruit:

All diseases and pests: 50ml/100L ; maximum of 500ml/ha – use a minimum of 400L/ha spray

Ornamentals: 25ml/100L spray volume

Drift reduction: 25-50ml/100L spray volume

APPLICATION ADVICE

UNION® is added to the spray tank. It is miscible with most leaf active crop protection products. In all cases, please observe the manual of the crop protection agent manufacturer. Do not use UNION® in case selectivity problems can be expected due to enhanced uptake of actives. In such cases, test the selectivity on a small scale before bigger areas are treated.

PREPARATION OF TANK MIX

Add UNION® as last component to the spray tank. Fill the tank with 2/3 of water. According to the manual of the manufacturer, add the crop protection product. Under slight agitation add now UNION® and fill the tank completely.
Spray the tank mix promptly.

STORAGE AND DISPOSAL

Store only in closed original containers in safe and lockable rooms. Do not add other components to the content of the container. Do not store under 4º C.
Do not re-use empty packages. After complete drainage, triple rinse the container with water and add residue to the spray tank. Convey empty and carefully washed containers to recycling.
Packages with leftovers should be handled in accordance with local laws.

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June 2016

Xi
Irritant

R Phrases: 52/53
S Phrases: 23, 36/37/39, 51, 61

DANGER: MAY CAUSE SERIOUS EYE DAMAGE. Wear eye/face protection.
DANGER: MAY CAUSE SKIN BURNS. Wear protective clothing.

HARMFUL: Harmful to aquatic life with long lasting effects. Avoid contamination of any water supply with product or empty container.

Avoid unnecessary contact, especially with skin and eyes. Do not inhale aerosols. While working, do not eat, drink, nor smoke! Before breaks and end of working day, wash hands. Do not expose persons directly to the product nor its drift. Wear personal protecting gear, safety goggles/face protection; PVC gloves; if vapor arises or an aerosol develops, use gas mask with filter A-P2 for a short while. We recommend liquid proven protecting gear and preventive measures for skin protection.

General advice in case you have contact with the product:

Eye contact: Rinse thoroughly with plenty of water. Immediately consult a physician.

Skin contact: Remove soiled or soaked clothing immediately and wash affected parts of the skin with plenty of water. In case of contact with the complete spray containing the active follow the instructions of the crop protection label.

Swallowed: Rinse mouth. When conscious, let drink plenty of water. Do not induce vomiting. Immediately consult a physician.

Inhaled: Seek fresh air. Seek medical help in case of discomfort.

General advice: Remove contaminated clothes immediately.

Emergency Hotline:
0800 764 766

MADE IN FRANCE

ULTRAMANG

FERTILISER

Precision technologies

N	P	K	Mg	S	Ca
93.6				106.8	

B	Cu	Fe	Mn	Mo	Zn
			400		

In g/L for liquid products

EC emulsion concentrate

AMINO-ALCOHOL FREE

Specifications

PACK SIZE
5 L

FORMULATION
Emulsion concentrate

SHELF LIFE OF THE PRODUCT
24 months

APPLICATION
Foliar

FORM
Liquid (EC)

DENSITY
1.78

STORAGE CONDITIONS
Store away from frost.

Agronomic interests

ROLE OF NUTRIENT(S)

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

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

Sulphur:
- Protein constituents
- Enzymatic role
- Photosynthesis

PRODUCT SPECIFICATIONS

ULTRAMANG prevents and corrects the deficiencies in Manganese of all crops by foliar or soil application.

ULTRAMANG guarantees high levels of yield and improves the quality of productions.
It brings the nutritional elements Manganese, Nitrogen and Sulfur in highly concentrated liquid forms of great purity to be efficient.

ULTRAMANG is a ready for use liquid product.

FEATURES AND BENEFITS OF THE FORMULATION

Emulsion concentrate:
As a concentrated suspension, it is highly dosed element to:
> Applications to low doses
> The application allows a complete action to cover all the needs of crops
> Continuing leaf content in the ideal range
> Reduced risk of toxicity
As a soluble concentrated, the elements are completely dissolved (100%) in water.

Directions of use

CROP RECOMMENDATIONS

FOLIAR APPLICATIONS

> **CEREALS -** Rate: 1 L/ha in 150 L minimum of water - Timing: 1-2 applications from 2 leaf stage to 1st node.
> **MAIZE -** Rate: 1 L/ha in 150 L minimum of water - Timing: 1 application from 4-8 leaf stage.
> **RAPE AND BRASSICAS -** Rate: 1 L/ha in 150 L minimum of water - Timing: 1 application from 4-6 leaf stage.
> **GREEN BEANS -** Rate: 0.5-1 L/ha in 150 L minimum of water - Timing: 1 application 0.5 L/ha from 2 full leaves.
1 application 1L/ha from start of flowering up to 5 days later.
> **SUGAR BEET -** Rate: 1 L/ha in 150 L minimum of water - Timing: 1 application from 4-6 leaf stage.
> **POTATOES -** Rate: 1 L/ha in 150 L minimum of water - Timing: 1 application 2-3 weeks after emergence.
> **VEGETABLES -** Rate: 1 L/ha in 150 L minimum of water - Timing: 1 application from stage 10-15 cm.
> **APPLE, PEAR -** Rate: 1 L/ha in 150 L minimum of water - Timing: deficiencies - before flowering and after flowering (if necessary). On green varieties to improve green colour: 6 applications from development of fruit and until one month before harvest => 0.75 L/ha/ application.
> **STONE FRUITS -** Rate: 1 L/ha in 150 L minimum of water - Timing: from fruit set (repeat treatment if necessary).
> **GRAPE -** Rate: 1 L/ha in 150 L minimum of water - Timing: 1-3 applications from clusters visible/separated buds/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 ULTRAMANG and then add the rest of the water, maintaining agitation continuously. When combining with other components in a tank-mix, always add ULTRAMANG before powder. 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**

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DE SANGOSSE

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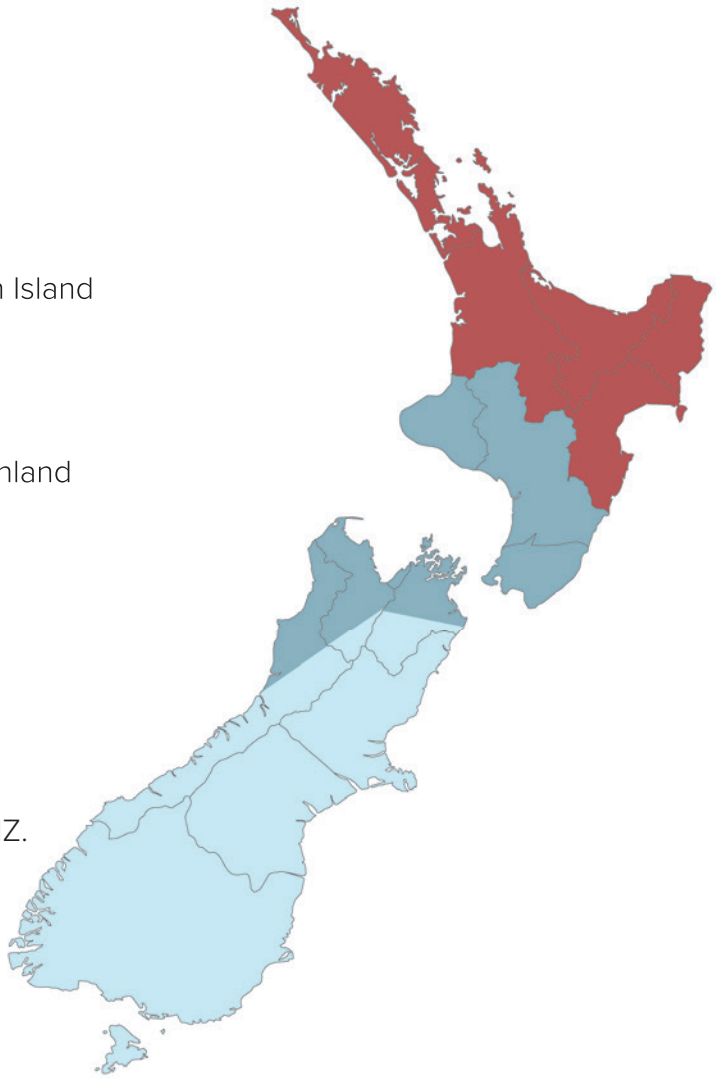

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