



FERTILIZERS

*Quality Ingredients
Australian Made
Family Owned*

Nutrient Solutions

***Organically Certified
Product Catalogue***

Crop nutrient budgeting is critical to improve production efficiency and to reduce environmental impacts. SLTEC®'s range of quality fluid fertilisers and microbial stimulants are supported by our comprehensive in-field agronomy service.

sltec.com.au

Why Choose SLTEC® Fertilizers?

SLTEC® Fertilizers is a leading manufacturer of fluid fertilisers, based in Northern Victoria

Our Promise

Quality

SLTEC® Fertilizers is committed to supplying consistently high quality products.

Investment

SLTEC® Fertilizers will ensure that your fertiliser inputs maximise the return on your investment.

Service

SLTEC® Fertilizers will provide professional, logistical and agronomic support to ensure a sustainable relationship.

Read our quality assurance policy online at sltec.com.au/quality

Why use Fluid Fertiliser?

- Efficient and highly plant available
- Can deliver many nutrients with a single application
- Small and frequent applications reduce leaching and runoff
- Foliar and fertigation options allow flexible application timing unlike relying on broadcast application
- Consistency of product and uniform application across the soil
- Nutrients infiltrate to the root zone where maximum uptake is achieved
- Foliar application particularly of trace elements avoids tie up in the soil
- Labour savings and improved workplace safety



SLTEC® Commitment to Quality

Can your fertiliser supplier give you this sort of quality assurance?

SLTEC® is committed to delivering quality products and services. We continue to put a tremendous effort into ensuring that our products meet the tightest quality parameters.

- We carefully select the ingredients we use in our formulations from suppliers all over the globe.
- We routinely seek independent laboratory testing to confirm the levels of all nutrients listed on our product labels. We also regularly test for heavy metals or other contamination.
- Our blends are developed by our formulation chemist, who has now developed over 400 different blends, some of which have been servicing very sensitive crops in hygienically clean glass house environments.
- We invest annually in formulation research and advanced chemistries for the fluid fertiliser and industrial water treatment sectors.
- Our team has specialized formulation software that aids the development of each blend, from basic chemistry building blocks into complex and sophisticated formulations for applications such as hydroponics, foliar fertiliser, fertigation, water treatment etc.
- Our batching and mixing systems are calibrated every 6 months by an external certifying body.
- Each batch must meet a variety of tests and quality specifications before being released for dispatch.
- Our labels state accurately the nutrient content of each blend and comply fully with state and federal legislation and the Fertilizer Australia Labelling Code of Practice.
- We retain samples of each and every blend made with a unique batch number, enabling traceability of batches.
- Our staff are qualified and thoroughly trained to ensure our products and services remain at the highest standards of excellence.

In summary, quality is an absolutely essential component of the culture and processes at SLTEC® and we pride ourselves on it. Development, manufacture, storage, labelling and transport of our products is carried out in a manner that aims to provide our customers with the assurance that the products they receive are of the highest quality, ready to use and will deliver the outcomes desired.

Further information on our quality policy is available on our website.



Product Code	Product	Description	Organic Cert.	NOP Allowed Input	ACM (Korean) Allowed Input	N	P	K	S		Ca	Mg	Mn	Zn	Cu	Mo	B	Fe	C	Co	Si	Amino Acids	Fulvic Acid	Fish Hydrolysate	Humic Acid	Kelp	Molasses	SG	pH Range
SGCB0023	Amino-N™ (in development)	10% amino nitrogen	NCO	-	TBC	10.0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	TBC	-	-	-	-	-	-
SGCB0022	Nature's N™	10% organic nitrogen	NCO	✓	TBC	10.0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.227	5.0 - 7.0
SG0048	Liquid Guano™	Micronised liquid guano	ACO	✓	✓	-	10.0	-	0.1		23.2	1.0	0.04	-	-	-	0.09	0.8	-	1.8	0.2	-	0.5	-	-	-	-	1.604	6.0 - 7.0
SG0045	OsmotiK™	A maximum analysis potassium citrate solution for safe and efficient foliar application	NCO	-	TBC	-	-	30.0	-		-	-	-	-	-	-	-	-	4.6	-	-	-	-	-	-	-	-	1.446	6.5 - 7.5
SG0040	Liquid Gypsum™ (in development)	Micronized liquid gypsum	TBC	TBC	TBC	-	-	-	14.3		17.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.480	7.0 - 8.0
SG0037	AquaLIME Organic™ (in development)	Highly flowable calcium carbonate suspension designed to deliver high purity, micronized particles to the soil to raise pH and improve soil structure	TBC	TBC	TBC	-	-	-	-		38.0	-	-	-	-	-	-	-	11.6	-	-	-	-	-	-	-	-	1.601	9.0 - 10.0
SNPK0086	Mag Complex™	5.0% magnesium (as sulphate) solution	ACO	✓ ¹	✓ ¹	-	-	-	6.6		-	5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.225	3.0 - 7.0
SNPK0016	Manganese Complex™	17.7% manganese (as sulphate) solution	ACO	✓ ¹	✓ ¹	-	-	-	10.6		-	-	17.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.439	2.0 - 3.0
SNPK0026	Z PLUS™	15.6% zinc (as sulphate) solution with the added benefit of fulvic acid	ACO	✓ ¹	✓ ¹	-	-	0.1	7.7		-	-	-	15.6	-	-	-	-	-	-	-	-	0.5	-	-	-	-	1.359	2.0 - 5.0
SNPK0017	Copper Complex™	6.7% copper (as sulphate) solution	ACO	✓ ¹	✓ ¹	-	-	-	3.4		-	-	-	-	6.7	-	-	-	-	-	-	-	-	-	-	-	-	1.162	2.0 - 3.0
SNPK0055	Moly Complex™	24% liquid molybdenum	ACO	✓ ¹	✓ ¹	-	-	-	-		-	-	-	-	-	23.7	-	-	-	-	-	-	-	-	-	-	-	1.398	7.0 - 8.0
DRY0002	Boric Acid Powder™	Boron powder	ACO	✓	✓ ¹	-	-	-	-		-	-	-	-	-	-	17.5	-	-	-	-	-	-	-	-	-	-	-	-
SNPK0031	Fe PLUS™	Liquid iron	ACO	✓ ¹	✓ ¹	-	-	0.1	4.7		-	-	-	-	-	-	-	8.1	-	-	-	-	0.5	-	-	-	-	1.230	2.0 - 3.0
SNPK0093	Cobalt Complex™	8.0% cobalt (as sulphate) solution	ACO	✓ ¹	✓ ¹	-	-	-	4.4		-	-	-	-	-	-	-	-	-	8.0	-	-	-	-	-	-	-	1.211	4.0 - 5.0
GG0195	Sil-Koat™	Liquid silicon, boron, kelp and fulvic acid	ACO	✓ ³	-	-	-	26.1	-		-	-	-	-	-	-	1.1	0.008	-	-	17.9	-	0.05	-	1.3	1.2	-	1.556	12.0 - 14.0
SG0011	Fulvic 10™	10% fulvic acid solution for addition to foliar fertilisers and to aid herbicide uptake	ACO	✓	✓	-	-	1.9	-		-	-	-	-	-	-	-	-	4.5	-	-	-	10.1	-	-	-	-	1.041	5.0 - 6.0
SG0012	Fish Hydrolysate™	Fish emulsion solution to stimulate plant and microbial activity	ACO	✓	✓	2.5	0.3	0.3	-		0.5	-	-	-	-	-	-	-	16.6	-	-	-	-	100.0	-	-	-	1.050	3.5 - 3.8
SG0016	Humic K 26™	Soluble humate to aid in nutrient retention	ACO	✓	✓	0.1	-	6.0	-		-	-	-	-	-	-	-	0.1	-	-	0.1	-	1.0	-	25.0	-	-	1.100	9.5 - 11.0
DRY0003	Kelp Powder™	Powdered kelp	ACO	✓	✓	0.5	0.7	14.1	0.1		0.2	0.2	0.008	0.01	-	-	-	-	20.0	-	-	-	-	-	-	100.0	-	-	-
SG0003	Bio Kelp 20™	High concentration premium North Atlantic kelp solution to enhance crop stress tolerance and promote optimum growth under all conditions	ACO	✓	✓	0.1	0.1	2.8	0.2		-	-	-	-	-	-	-	-	4.0	-	-	-	-	-	-	20.0	-	1.085	8.5 - 9.5
SG0013	Molasses™	To feed root zone microbes and addition to foliar sprays to stimulate plant uptake	ACO	✓	✓	1.0	0.1	-	0.7		1.1	-	-	-	-	-	-	-	37.9	-	-	-	-	-	-	-	100.0	1.280	5.0 - 6.0
SG0039	QuadSHOT®	SLTEC®'s unique blend of four plant and soil microbial biostimulants	ACO	✓	✓	0.3	0.1	3.4	0.2		0.2	-	-	-	-	-	-	0.006	5.2	-	-	-	0.3	8.0	6.6	8.0	8.0	1.154	10.0 - 11.0
GGCB0324	Organic TE Multi Mix™	Sulphur with 7 essential trace elements	ACO	✓ ²	TBC	-	-	-	6.7		-	1.8	3.3	3.3	0.5	0.02	0.2	0.8	-	-	-	-	-	-	-	-	-	1.294	1.0 - 2.0

1. to correct documented micronutrient deficiencies
2. to correct trace element deficiencies documented by soil testing.
3. Permitted only as a plant protection input (e.g. to strengthen plants against disease), and to correct documented boron deficiencies.

Utilise the benefits of *Ascophyllum nodosum* seaweed

Bio Kelp 20™

North Atlantic - *Ascophyllum nodosum* - Seaweed Extract

Product Code: SG0003

Bio Kelp 20™ is a plant biostimulant that contains a wide range of beneficial metabolites proven to upregulate and boost natural plant biosynthetic pathways. These metabolites include polysaccharides, amino acids, polyphenolic compounds, betaines and hormones.

The components of Bio Kelp 20™ work in synergy to increase the crop's native stress responses, resulting in a healthier plant and greater gains for growers.

Under specific stresses,

Ascophyllum nodosum seaweed extracts have been shown to:

- increase nutrient uptake & yield
- increase shelf life of fruit and cut flowers
- increase frost tolerance
- increase high temperature tolerance
- decrease water stress, due both to drought and salinity
- increase chlorophyll production
- repair the photosynthetic system
- decrease accumulation of harmful reactive oxygen species
- increase resistance to fungal & sucking insect attack
- increase rachis stretch (grapes)
- increase fruit set
- decrease crop stress associated with fungicide applications
- enhance germination

Guaranteed Analysis (w/v)

Kelp	20.0%
Nitrogen (N)	0.1%
Phosphorus (P)	0.1%
Potassium (K)	2.8%
Sulphur (S)	0.2%
Carbon (C)	4.0%
Specific Gravity	1.085 kg/L
pH	8.5 - 9.5

Application Rates

Fertigation

5 - 10 L/ha

Foliar

2 - 5 L/ha

Horticulture use 200 to 2,000 L/ha water
Broadacre use at least 100 L/ha water Spray
in early morning or late afternoon. Do not
apply if temperature is above 22°C or in full
sun. May stain concrete, brickwork, painted
surfaces foliage and flowers. Spraying
equipment should be thoroughly cleaned
after use to avoid product crystallizing in the
spray system.



Organic maximum analysis potassium

Osmotik™

Product Code: SG0045



Organic carriers such as citrate and acetate have been trialled for many years on a range of crops including but not limited to soy beans, potatoes, mangoes, spinach, table grapes and apples. Both potassium citrate and potassium acetate have been shown to be superior to inorganic compounds for the foliar uptake of potassium:

- Best results with absorption time and quantity absorbed with potassium and magnesium citrate (Wittner and Teubner 1959, Muller 1986)
- Potassium citrate most effective on yield, quality and leaf area (Rania et al 2014) and on stomatal conductance, photosynthesis and transpiration (Barowski and Michalek 2009)
- Potassium citrate improved anthocyanin (colour) and sugar levels in table and wine grapes (Nish 2014 – SLTEC)

Osmotik™ has a low salt index and low molecular weight which helps to substantially reduce any risk of phyto-toxicity to plant tissue. These mild organic acids resemble those found in plants and it is believed that this helps to facilitate uptake.

Guaranteed Analysis (w/v)

Potassium (K)	30.0%
Carbon (C)	4.6%
Specific Gravity	1.446 kg/L
pH	6.5 - 7.5

Typical Application Rates

Foliar:

2 - 10 L/ha
Horticulture use 200 to 2,000 L/ha water
Broadacre use at least 100 L/ha water

Fertigation:

5 - 15 L/ha



Give your crop a Sil-Koat™ of armour



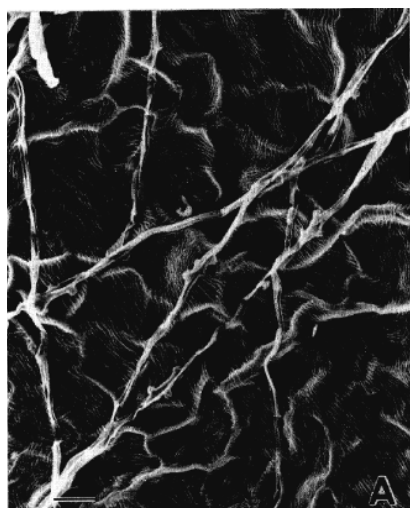
Sil-Koat™

Product Code: GG0195

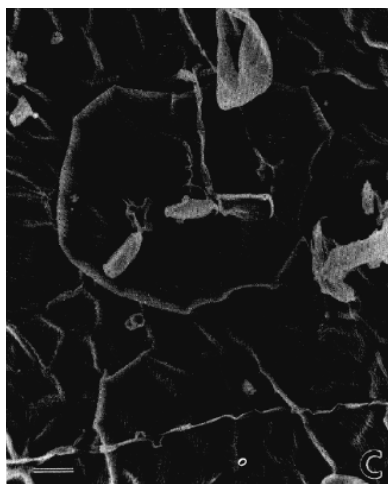
Sil-Koat™ is a unique formulation of highly plant-available form of silicon blended with humic and fulvic acids, premium North Atlantic kelp, and boron. Sil-Koat™'s ingredients work synergistically to give your crop a multi-pronged defence against abiotic and biotic stressors – helping enhance crop performance under the harshest Australian conditions.

Benefits of Silicon

When foliar applied, silicon works across all crop types to increase resistance to pathogens and disease by forming a physical barrier to the leaf surface. In silicon-treated plants, fungal appressoria and insect mandibles have both been shown to have reduced plant penetration and increased wear and tear.



Microscope images of untreated grape leaves showing normal powdery mildew appressoria penetration.



Grape leaves treated with foliar Si showed bent and distorted powdery mildew appressoria due to a Si-barrier on the leaf surface, considerably inhibiting their development. (Bowen et al., 1992)

Guaranteed Analysis (w/v)

Potassium (K)	26.1%
Silicon (Si)	17.9%
Boron (B)	1.1%
Iron (Fe)	0.008%
Fulvic Acid	0.05%
Humic Acid	1.3%
Kelp	1.2%
Specific Gravity	1.556 kg/L
pH	12.0 - 14.0

Typical Application Rates

Foliar:

1.5 - 3 L/ha
Apply every 10 - 15 days as required
Horticulture use 200 to 2,000 L/ha water
Broadacre use at least 100 L/ha water

Fertigation:

2.5 - 5 L/ha
Apply every 10 - 15 days as required

100% organic, sustainably sourced



Liquid GuanoTM

Product Code: SG0048

SLTEC® Liquid Guano is 100% organic, sustainably sourced guano. Its usage should be considered for a high analysis calcium, phosphorus and silicon solution for plant food and soil health.

Benefits of Guano

- Fertigation and boom-spray friendly
- Blend of phosphorus, calcium, silicon and fulvic acid
- Blend of citric and water-soluble phosphorus, immediate and slow-release source of phosphorus. Phosphorus is one of the major plant nutrients. It's essential for cell division and development.
- Calcium to aid cell wall structure and protect against disease. Can aid in fruit quality.
- Silicon can help improve a crops ability to withstand and recover from stress like drought. Silicon can increase certain plant species resistance to fungal pathogens.
- Fulvic acid is a humic compound that can stimulant plant growth.

Guaranteed Analysis (w/v)

Phosphorus (P)	10.0%
Sulphur (S)	0.1%
Calcium (Ca)	23.2%
Magnesium (Mg)	1.0%
Manganese (Mn)	0.04%
Boron (B)	0.09%
Iron (Fe)	0.8%
Fulvic Acid	0.5%
Silicon (Si)	1.8%
Carbon (C)	0.2%
Specific Gravity	1.604 kg/L
pH Range	6.0 - 7.0

Application Rates

Soil Ameliorant or Fertigation

10 - 30 L/ha as required.

Use a higher rate for soil amelioration.

Foliar

2 - 10 L/ha depending on crop.



**Scan to view
crop-specific
rates**



Fluid Fertiliser Storage Systems

The team at SLTEC® have conducted extensive research into storage and handling systems and can assist you in designing and implementing your liquid nutritional program.

Well designed fluid fertiliser storage and injection systems are essential to ensuring your fluid inputs are effectively utilised, to maintain your workforce safety, and to minimise environmental impacts.

SLTEC® Fluid Fertiliser Tanks



Cone Bottom Tanks

Features include:

- 12,000 litre tank that completely drains
- Rated for all SLTEC® Fluid Fertilizers (up to specific gravity of 1.9 kg/L)
- Easy to relocate with standard farm machinery
- Arrives setup and ready to use, fitted with 2" banjo fittings
- Clear sight gauge strip providing a safe and accurate volume indicator
- Cone-bottom design will allow the tank to empty completely.
- **Note:** Also available in double and triple configuration on an axle to make transportation between farms easy

Free Standing 32,000 L Tank

Poly Tank complete with:

- Manhole & safety lid
- Banjo fertiliser resistant fittings
- 3" camlock infill / outlet and air vent assemblies
- Stainless steel sight gauge assembly
- Bottom sump & 1" drain valve enabling 100% drainage
- Strong poly base to support and fittings

[Tank available for purchase or rental.](#)





FERTILIZERS

Organic Products Compatibility

Compatible	Not Compatible	Compatible with Agitation

Products were mixed with water to make a 100L/ha solution and assessed after 5 hours.

Product	Rate L/ha	Amino-N	Liquid Guano	Osmotik	Mag Complex	Manganese Complex	Z PLUS	Copper Complex	Moly Complex	Boric Acid Powder	Fe Plus	Cobalt Complex	SiI-Koat	Fulvic 10	Fish Hydrolysate	Humic K 26	Kelp Powder	Bio Kelp 20	Molasses
Amino-N	20																		
Liquid Guano																			
Osmotik	10																		
Mag Complex	5																		
Manganese Complex	5																		
Z PLUS	2																		
Copper Complex	2																		
Moly Complex	0.5																		
Boric Acid Powder	2kg																		
Fe Plus	5																		
Cobalt Complex																			
SiI-Koat	3																		
Fulvic 10	3																		
Fish Hydrolysate	3																		
Humic K 26	3																		
Kelp Powder	2kg																		
Bio Kelp 20	3																		
Molasses	3																		

This compatibility chart represents physical compatibility of SLTEC products. All testing is completed under laboratory conditions. Compatibilities indicated are immediate and not over the period of application. As there are many variables in each application situation such as water volume, quality and pH, interpretations and the recommendations given here are a guide only. We recommend completing a bucket test prior to application. These recommendations are made in good faith, based on the best technical information we have available. Additionally, environmental and managerial factors influence crop production, therefore Sustainable Liquid Technology Pty Ltd does not accept any liability arising out of these interpretations and recommendations for any damage loss or injury of any nature and the user considers these interpretations and recommendations on these terms.

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Organisation

FERTCARE®

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details of your closest dealer**

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