



Quality Ingredients
Australian Made
Family Owned

FERTILIZERS

Nutrient Solutions

Queensland Product Catalogue



Crop nutrient budgeting is critical to improve production efficiency and to reduce environmental impacts. SLTEC®'s range of quality fluid fertilisers and soil and plant stimulants are supported by our comprehensive field agronomy service to help you achieve your production goals.

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.

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
- Can be mixed with a range of farm chemicals
- 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.



Fluid Application Methods

Fertigation

Fertigation involves the process of injecting dissolved nutrients into an irrigation system. The irrigation system then provides the delivery mechanism to distribute these nutrients to the crop at the root mass.

Forms of fertigation include subsurface and above ground drip irrigation, micro sprinklers, fixed sprinklers and pivot & lateral irrigators

Fertigation allows growers to manage crop nutrients at a level which is unprecedented, and impossible to achieve with conventional fertiliser practices. The results can be much higher yields and crop quality with lower total inputs. Potential to reduce nutrient rates and increase yield.

Benefits of Fertigated Fertilization

- Conventional surface applied fertiliser nutrients have to be incorporated and this involves a lag phase and potential lock-up or nutrient losses.
- More precisely meeting crop nutrient demand by growth stage in smaller metered doses rather than large wasteful applications.
- In drip irrigated systems during dry conditions when soil moisture is limiting, roots are not able to source nutrients from the wider soil volume and are primarily feeding from around the wetted zone under the dripper. In these situations, fertigation is essential to maximize crop performance because soluble nutrients are where the crop roots are active.
- New mixing technology allows for higher analysis liquid blends than previously available.
- Reduced labor and diesel involved in fertigated nutrients compared to traditional broadcast methods
- Liquid fertilisers can provide reduced manual handling and mixing requirements over bagged products.



Foliar

Global experience has shown that foliar application of nutrients provides an effective means of supplementing plant nutrient requirements and to correct transient nutrient deficiencies and is becoming an increasingly important crop nutrition strategy.

Increasingly as agriculture becomes more intensive and irrigated crops are grown with minimum limiting factors, leading farmers are finding strategic use of foliar nutrition can provide further improvement and yield records are continually broken.

Benefits of Foliar Fertilization

- Quick response
- Target specific
- Lower use rates
- Uniform application
- Reduced labor and machinery costs if applied with other products





Directed Soil Spray

Every SLTEC® product can be applied directly to the soil giving the excellent even distribution of nutrients superior to traditional ground spreading. These can be applied at any stage of the farming program depending on the agronomics requirements.

Benefits of Directed Soil Spray Fertilization

- Ability to blend a number of nutrients
- Uniformed application
- Ability to blend with a wide range of agricultural chemicals
- Labour and machinery savings due to blending capabilities

Seed Dressing

SLTEC has a diverse range of products which can be utilised as seed coats prior to planting. These include our range of trace elements critical at germination to an extensive range of bio stimulants which can both be blended to the client's requirements.

Benefits of Seed Dressing Fertilization

- Even coating of the seed
- Low rates required
- Helps improve germination
- Improves resistance to soil borne diseases
- An efficient and cost effective method of supplying trace elements to the crop

Water Running

SLTEC® has a number of predominately high nitrogen based products which can be used to water run nutrients in flood irrigation.

These products can be applied through our range of Bulk tanks and header tanks giving even distribution of Nitrogen across the crop.

**For further information, in regards to water running options, please consult your local SLTEC® representative*



SLTEC® Services

Compatibility

SLTEC has established and continues to develop a significant compatibility database including the following:

- Fertiliser to fertiliser compatibility
- Fertiliser to agricultural chemicals compatibility
- Tank mixes involving a number of both agricultural chemicals and fertilisers with varying water rates.

**For further information, in regards our compatibility database, please consult your local SLTEC representative*

Prescription Blends

For more than ten years SLTEC® Fertilizers has been formulating fluid fertiliser custom blends for their clients working in over 50 different crops.

No agricultural business is the same nor is its soil or nutritional needs, SLTEC prides itself on its ability to work closely with key stake holders in a business and develop a nutritional plan to meet the needs of the unique enterprise. SLTEC's formulation team will ensure you get the optimum nutrient solution for your needs with rigorous quality assurance protocols backing it up.

Code	Product Name	Nutrient Profile														Chelation Mechanism	Extended Analysis	SG	pH									
NPK + TE Blends		N	P	K	S	Ca	Mg	Mn	Zn	Cu	Mo	B	Fe	C	Amino Acids	Fulvic Acid	Fish Emulsion	Humic Acid	Kelp	Molasses								
SNPK0023	Lucerne Top Dress™	4.3	5.9	11.6	4.1	-	-	-	1.0	-	0.02	0.2	-	-	-	-	-	-	-	-	N as NH ₄ 2.7%, N as urea 1.6%, P as PO ₄ 5.9%							
GG0090	Macro Z™	8.4	13.7	6.8	2.1	-	-	-	0.8	-	-	-	-	-	-	-	-	-	-	-	N as NH ₄ 8.4%, P as PO ₄ 13.7%							
SNPK0040	Crop Booster PLUS™	5.0	15.0	2.1	-	4.0	0.2	0.4	0.4	0.5	0.008	0.05	-	-	-	0.5	-	-	-	-	N as NO ₃ 2.1%, N as NH ₄ 2.9%, P as PO ₄ 15.0%							
GG0010	Horti P Tracer™	-	1.9	13.2	0.2	-	0.9	0.09	0.2	0.03	-	-	0.07	-	-	-	-	-	-	-	P as PO ₄ 1.9%							
GG0011	Horti Growth Spurt™	9.2	7.2	14.4	0.3	-	-	-	0.4	0.05	0.02	-	0.1	-	-	-	-	-	1.0	-	N as NH ₄ 0.6%, N as urea 8.6%, P as PO ₄ 7.2%							
Trace Element (TE) Blends		N	P	K	S	Ca	Mg	Mn	Zn	Cu	Mo	B	Fe	C														
SNPK0061	Nitro Combi TE™	1.7	-	0.1	2.4	-	0.7	1.6	2.2	0.3	0.03	0.8	2.2	-	-	0.5	-	-	-	-	-	N as NO ₃ 1.7%						
SNPK0046	TE 8 PLUS™	2.6	-	0.1	4.2	-	2.4	3.2	3.2	0.5	0.02	0.2	0.7	-	-	0.5	-	-	-	-	-	N as NO ₃ 2.6%						
SNPK0053	MoBo Complex™	6.0	-	-	-	-	-	-	-	-	0.3	14.7	-	-	-	-	-	-	-	-	-	-						
SNPK0054	Mo 250P™	-	11.0	-	-	-	-	-	-	-	25.0	-	-	-	-	-	-	-	-	-	-	P as PO ₄ 11.0%						
GG0195	Sil-Koat™	-	-	26.1	-	-	-	-	-	-	-	1.1	0.008	-	-	0.05	-	1.3	1.2	-	-	-						
TE Nitrates		N	P	K	S	Ca	Mg	Mn	Zn	Cu	Mo	B	Fe	C														
SNPK0036	Super Z Foliar™	19.0	-	-	-	-	-	-	6.6	-	-	-	-	-	-	-	-	-	-	-	-	N as NO ₃ 10.6%, N as NH ₄ 7.7%, N as urea 0.7%						
Trace Element (TE) Straights		N	P	K	S	Ca	Mg	Mn	Zn	Cu	Mo	B	Fe	C														
SNPK0031	Fe PLUS™	-	-	0.1	4.7	-	-	-	-	-	-	-	8.1	-	-	0.5	-	-	-	-	-	Fulvic Acid						
TE Maximise Range EDTA		N	P	K	S	Ca	Mg	Mn	Zn	Cu	Mo	B	Fe	C														
SNPK0063	Copper Maximise™	-	-	-	-	-	-	-	-	6.0	-	-	-	-	-	-	-	-	-	-	-	EDTA	N as NH ₄ 0.03%					
SNPK0091	ZCBMo Maximise (EDTA Chelated)™	2.5	-	-	-	-	-	-	4.7	1.2	0.5	1.2	-	-	-	-	-	-	-	-	-	EDTA	N as NH ₄ 2.0%					
SNPK0033	Zinc Maximise™	2.7	-	-	-	-	-	-	6.5	-	-	-	-	-	-	-	-	-	-	-	-	EDTA	N as NH ₄ 2.7%					
Sustain & Gro® Products		N	P	K	S	Ca	Mg	Mn	Zn	Cu	Mo	B	Fe	C														
SG0039	QuadSHOT®	0.3	0.1	3.4	0.2	0.2	-	-	-	-	-	-	0.006	5.2	-	0.3	8.0	6.6	8.0	8.0	-	-	-	10.0 - 11.0				
SG0017	Biological® PLUS™	0.3	0.1	2.0	1.8	6.5	-	-	-	-	-	0.1	-	12.5	-	0.009	0.3	0.2	0.3	41.8	-	-	N as NO ₃ 0.3%, P as PO ₄ 0.1%					
SG0042	Kelp Boost™	0.4	0.7	6.4	0.6	-	-	-	-	-	-	-	-	2.3	-	1.1	-	-	10.0	-	-	-	P as PO ₄ 0.6%					
Microbial		N	P	K	S	Ca	Mg	Mn	Zn	Cu	Mo	B	Fe	C														
SG0041	Tri-Culture™	Active Ingredients: Plant Growth Promoting Rhizobacteria 20%, Bacillus licheniformis 1×10 ⁸ cfu/ml, Bacillus methylophilus 2×10 ⁸ cfu/ml, Bacillus subtilis 2×10 ⁸ cfu/ml														1.130	5.6 - 6.8											

SLTEC® Fertilizers Organic Product Range

Product Code	Product	Description	Organic Cert.	NOP Allowed Input	N	P	K	S	Ca	Mg	Mn	Zn	Cu	Mo	B	Fe	Co	Si	C	Fulvic Acid	Fish Emulsion	Humic Acid	Kelp	Molasses	SG	pH Range	
-	Amino-N™ (in development)	10% amino nitrogen	TBC	TBC	10.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	TBC	-	-	-	-	-	-	
SG0048	Liquid Guano™	Micronized liquid guano	ACO	✓	-	10.1	-	25.1	-	-	-	-	-	-	-	-	-	15.1	0.2	0.5	-	-	-	-	1.603	6.0 - 7.0	
SG0045	Osmotik™	A maximum analysis potassium citrate solution for safe and efficient foliar application	NCO	-	-	-	30.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.446	6.5 - 7.5	
SG0058	TrueCAL™		TBC	TBC	-	-	-	56.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.898	8.0 - 9.5	
SNPK0086	*Mag Complex™	5.0% magnesium (as sulphate) solution	ACO	✓	-	-	-	6.6	-	5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.225	3.0 - 7.0	
SNPK0016	*Manganese Complex™	17.7% manganese (as sulphate) solution	ACO	✓	-	-	-	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	✓	-	-	0.1	7.7	-	-	-	15.6	-	-	-	-	-	-	-	0.5	-	-	-	-	-	1.359	2.0 - 5.0
SNPK0017	*Copper Complex™	6.7% copper (as sulphate) solution	ACO	✓	-	-	-	3.4	-	-	-	-	6.7	-	-	-	-	-	-	-	-	-	-	-	-	1.162	2.0 - 3.0
SNPK0055	*Moly Complex™	24% liquid molybdenum	ACO	✓	-	-	-	-	-	-	-	-	-	23.7	-	-	-	-	-	-	-	-	-	-	-	1.398	7.0 - 8.0
DRY0002	Boric Acid Powder™	Boron powder	ACO	✓	-	-	-	-	-	-	-	-	-	-	17.5	-	-	-	-	-	-	-	-	-	-	-	-
SNPK0031	*Fe PLUS™	Liquid iron	ACO	✓	-	-	0.1	4.7	-	-	-	-	-	-	-	8.1	-	-	-	0.5	-	-	-	-	-	1.230	2.0 - 3.0
SNPK0093	*Cobalt Complex™	8.0% cobalt (as sulphate) solution	ACO	✓	-	-	-	4.4	-	-	-	-	-	-	-	-	8.0	-	-	-	-	-	-	-	-	1.211	4.0 - 5.0
GG0195	*SiI-Koat™	Liquid silicon, boron, kelp and fulvic acid	ACO	✓	-	-	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 Emulsion™	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

* Allowed organic input to treat documented requirement

At Last! A Complete Fluid Nutrient Solution



Baseline Plus™

Product Code: GG0009

Baseline Plus has a complete and balanced NPK analysis suitable for fertigation and foliar application across a wide range of crops. The analysis is perfect for plant establishment and maintained growth where a N : K ratio near 1 : 1 or a mid-season nutrient boost is required.

Benefits of Baseline Plus

- Chelated trace elements for rapid plant uptake and to drive the NPK metabolism.
- Contains SLTEC's QuadSHOT® - The ingredients stimulate soil biological activity; improving the cycling and availability of plant nutrients, plant uptake efficiencies and soil fertility and health.
- Baseline Plus has a high analysis compared to other liquid products and provides economic and efficient supply of nutrients and the capacity to reduce rates compared to common prilled complete fertilizers on the market.
- Efficiencies can be made with Baseline Plus in fertigation applications by placing the nutrients at the root mass where they will be taken up by the plant; reducing loss or waste of nutrients.

Guaranteed Analysis (w/v)

Nitrogen (N)	11.7%
N as urea	11.7%
Phosphorus (P)	4.9%
P as PO ₄	4.9%
Potassium (K)	13.6%
Sulphur (S)	2.0%
Magnesium (Mg)	0.2%
Manganese (Mn)	0.006%
Zinc (Zn)	0.01%
Copper (Cu)	0.005%
Molybdenum (Mo)	0.005%
Boron (B)	0.02%
Iron (Fe)	0.01%
Fulvic Acid	0.01%
Humic Acid	0.3%
Fish Hydrolysate	0.4%
Kelp	0.4%
Molasses	0.4%
Specific Gravity	1.304 kg/L
pH Range	7.5 - 8.5

Typical Application Rates

Foliar:

2 to 15 L/ha
Horticulture use 200 to 2,000 L/ha water
Broadacre use at least 100 L/ha water

Fertigation:

10 to 80 L/ha

Also available with phosphonic acid – Baseline Phos Plus™

Baseline Plus™ with the additional benefits of phosphonic acid. The addition of phosphonic acid gives 125g of phosphonic acid per 1 L or 1.25 kg per 10 L application.



Compatibility Request

SLTEC® will help you make better fertiliser decisions with a simple Compatibility Test.

When mixing fertiliser, it is important to check fertiliser compatibility. As incompatible fertiliser can not only jeopardise your crops but also your equipment.

Test can be conducted between:

- SLTEC® products
- SLTEC® products and agricultural chemicals

Many SLTEC® products feature high compatibility, allowing for multiple products to be applied in one pass.

Let SLTEC® take the guess work out of fertiliser blends.

Simply scan the QR Code to request your compatibility test today.



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 Nutrient Solutions

FERTILIZERS

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