

Quality Ingredients
Australian Made
Family Owned

Nutrient Solutions



Efficient
Consistent
Quality Assured

Why Choose SLTEC® Fertilizers?

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

Our Promise

Quality

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

Investment

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

Service

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

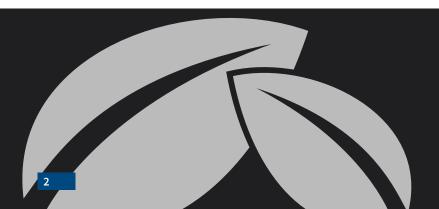
Read our quality assurance policy online at sltec.com.au/quality

Why use Fluid Fertilizer?

- 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's Commitment to Quality

Can your fertilizer 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 fertilizer 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 fertilizer, 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.



SLTEC® in Protected Cropping

Hydroponics Revolution: Location Australia

The growth in this industry is obvious, but it's only just beginning...

In the past 15 years Australia has seen significant growth and investment in the protected cropping market place.

Protected environments offer greater uniformity, continuous market supply and improved quality. These are just some of the reasons why the retail industry and Australian consumers are demanding more and more from this emerging industry.

Field grown tomatoes are a case in point. Glass house tomatoes provide consistently higher pack outs and quality due to reduced risks associated with environmental variation (soil types, moisture, disease and pests) and extreme weather events (heat, frost, flooding). Retailers realize these advantages and are extending support for producers in expansion efforts.

The opportunities seem endless with so many crops including cut flowers, berries, herbs, tomatoes, capsicums, egg plant, chilies, cucumbers, lettuce to name a few. The produce speaks for itself with enhanced shelf life and perhaps more importantly that old fashioned word; FLAVOUR.

However, this industry is a highly technical one and attention to detail in every aspect of the production process is paramount. To this end, the team at SLTEC Fertilizers has been working hard to put together a professional and comprehensive set of nutrient management solutions for the protected cropping industry.



Scientific Expertise: A Global Perspective

In developing our blends we have a team of chemists, hydroponics specialists and agronomists on staff and at call including leading international consultants that assist us to:

- Monitor and develop guidelines for feed and drain water quality and interpretation.
- Tissue sampling and crop health review.
- Development of new customized formulations to meet specific production environment requirements based on crop type and crop production demand considerations.

SLTEC Fertilizers offer;

 A team committed to being there when you need our help to solve those unforeseen issues that arise from time to time in your production environment.

Delivering Quality Solutions

Quality and attention to detail is paramount in protected cropping. So many factors are interrelated, including water chemistry, hygiene, disease, substrate source, air quality, crop genetics and management techniques. Changes in one input can have wide impacts on system balance and crop quality if all these factors are not well understood.

SLTEC Fertilizers offer;

- A selection of quality ingredients to ensure products perform to specification and production requirements.
- State of the art manufacturing and formulation systems to ensure accurate and hygienic development of crop nutrient solutions.
- The ability to customise hydroponic nutrient blends to meet your specific needs.
- Skilled staff with field, laboratory, chemical engineering and production experience.
- Online monitoring software to enable you to instantaneously track the performance and nutrient demands of your hydroponics system against international standards for your crops.

Product Technical Information

Examples of SLTEC® Overhead and Hydroponic Blends										
Product Code	Name	N% (w/v)	P% (w/v)	K% (w/v)	S% (w/v)	Ca% (w/v)	Biological Stimulant	Chelating Agent	Specific Gravity (kg/L)	pH Range
Generic A Blends										
HP0046	Cal & Iron Blend A N as NO ₃ 11.9%, Fe 0.5%	11.9	-	-	-	17.0	-	-	1.46 - 1.48	2.0 - 5.0
Rose Blends										
HP0006	Rose Blend A N as NO_3 12.0%, Fe 0.4%	12.0	-	-	-	17.	-	Y	1.46 - 1.47	2.0 - 5.0
HP0007	Rose Blend B N as NO ₃ 1.2 %, P as PO ₄ 1.4%, Mg 1.0%, Mn 0.02%, Zn 0.006%, Mo 0.004%, B 0.01%	1.2	1.4	5.1	1.4	-	-	-	1.14 - 1.15	3.0 - 4.0
Vegetable Blends										
HP0052	Lettuce Blend A N as NO ₃ 11.4%, Fe 0.05%	11.4	-	6.5	-	13.0	-		1.45 - 1.46	3.0 - 6.0
HP0053	Lettuce Blend B N as NO ₃ 2.3%, N as NH ₄ 0.4%, Mg 0.5%, Mn 0.006%, Zn 0.005%, Mo 0.001%, B 0.007%	2.7	1.3	7.3	0.7	-	-	-	1.15 - 1.17	3.0 - 4.0
Tomato Blends										
HP0050	Tomato Blend A N as NO ₃ 13.6%, Fe 0.06%	13.6	-	5.8	-	16.5	-	-	1.52 - 1.59	3.0 - 6.0
HP0051	Tomato Blend B N as NO ₃ 0.5%, N as NH ₄ 0.2%, Mg 0.6%, Mn 0.006%, Zn 0.003%, Cu 0.001%, Mo 0.001%, B 0.003%	-	0.5	3.2	1.5	-	-	-	1.08 - 1.09	2.0 - 4.0

Application rates will depend on individual situations and differ with use patterns and application methods, ie; pure hydroponics with recycled leachate, substrate based partial hydroponics and run to waste systems or overhead misting or foliar applications.

A range of other blends are available for different crop types including, **Raspberries, Strawberries, Capsicum and Gerberas etc.**

Contact us for more information

Fluid Fertilizer Storage Systems

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

Well designed fluid fertilizer storage and injection systems are essential to ensuring your fluid inputs are effectively utilized, to maintain your workforce safety and to minimize environmental impacts.

SLTEC Fluid Fertilizer Tanks

(Rental Plans available)

Free Standing 32,000 L Tank

Poly Tank complete with:

- Manhole & safety lid
- · Banjo fertilizer 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



Poly Tank complete with:

- Manhole & safety lid
- Banjo fertilizer resistant fittings
- Sight gauge ¾"
- Tank height is designed to fit under Centre Pivot centre

This tank is available for purchase.

Header Tanks for Liquid Run Fertilizer

- · Poly tank and lid
- · Stainless steel float assembly with poly ball float
- 1" fertilizer resistant camlock fittings with hose supplied

Fertilizer Injection Pumps

- Triangle Multifertic Electric Fertilizer Injection Pumps
- Standard pump 60MF-200 (200 ltr/hr single piston head)
- · Standard motor 3 Phase
- Flow Rate adjusted manually from 0-100% via thumb wheel









Good News Stories

Balanced Agronomy Software Puts Things Into Perpective

"We have been working with SLTEC Fertilizers for several years now, however 12 months ago SLTEC developed an online website that enabled us to see our drain water quality data in simple trend line graphs", reported Brendon Anderson, Senior Grower, Grandiflora Roses.

"We had many years of water quality data and numerous spread sheets going to try and make sense of things. The Balanced Agronomy website now has all my data confidentially available for us to use at any time. We can also allow our international consultants to log in and review our information as well and this helps us both in guiding possible changes in our fertilizer blends at various stages throughout the growing season."

"I now have the luxury of seeing trends



hydroponic nutrient ratios."

"For example, if we get a drain
water sample showing a nutrient is
particularly low, before changing the
formulation we load the laboratory
result into Balanced Agronomy and

see how it is going relative to the

historical trend line and the critical

interpretative standards SLTEC and our consultants have established. This has meant that we have been able to temper our adjustments and not over correct issues. Without the trend lines established we wouldn't be as confident in fine tuning our program", Brendon said.

Consistent Quality Delivers Dependable Results



"We have been using SLTEC's fluid fertilizers since 2006 and have been impressed with the consistency and quality of the blends they deliver", said Jeff Beavis, Senior Grower, Boomaroo Nurseries, Lara Victoria.

"Over this 7 year period we have worked closely with SLTEC to refine our nutrient programs to gain the best responses with our range of crops and production systems." "In January 2013 we asked SLTEC to do a major reformulation of our A & B blends and added a range of trace elements that we were previously adding in addition to what they supplied us. The new more concentrated blends have taken the margins of error out of our process and mean that we don't need to allocate a senior staff member to supervise fertilizer blending processes."

"Moving to SLTEC fluids has also meant that we have reduced our manual handling and OHS risks associated with fertilizer bag handling and mixing. It has also meant the elimination of the need to conduct regular and detailed inventory stock takes on raw materials as the 1000 L IBCs supplied by SLTEC have everything we need mixed in them and the stock take is over in seconds."

"One of the other benefits we have found in working with SLTEC is that they have a skilled and professional formulations team that we can consult in developing crop specific nutrient blends."

"In February 2013 I visited the SLTEC
Tongala facilities and was really
impressed at the design and layout
of their facility and the quality of staff
supporting their growing business", Jeff
concluded.

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Please contact SLTEC® for details of your closest dealer