



Quality Ingredients
Australian Made
Family Owned

SUMMER 2012

Welcome to our Summer edition of SLTEC's Innovation News for Horticulture and Sports Turf. We hope you enjoy this informative newsletter. Our aim is to give you a better understanding of our products as well as real-world stories of how SLTEC is making a difference in Horticulture and Sports Turf. We also introduce you to some of our team at SLTEC – the people behind our success, and our fastgrowing facilities. If your enterprise is in Turf and Amenity Horticulture, Hydroponic or Nursery Production, then this newsletter is for you. Enjoy!



Innovation in Horticulture and Sports Turf



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Sustainable Growth at SLTEC

With Australian and international fertilizer prices rising at the whim of corporates and powerful vested interests, it's understandable that growers and managers in horticulture are seeking credible alternatives. Being 100% Australian-owned, at SLTEC our quest involves providing cost-effective, performance-driven alternatives. Since 2006 we have been delivering results on the ground that really count.

SLTEC is short for Sustainable Liquid Technology Pty Ltd and the word "sustainable" highlights the path

our business practices, products and services are taking. Our focus is on balancing nutritional inputs for sustained results. With a background in environmental consultancy and agronomy SLTEC provides agronomic advice as well as solutions. Our products and services aim to assist you in achieving credible improvements in all three elements of sustainable production:

- productivity and economic viability
- the natural resource base, and
- the impact horticulture has on other ecosystems

That's all positive for you – our customers. And for us – at factory and production level – we are:

- recycling our waste streams
- moving toward green energy
- counting the carbon impacts of our business and its supply chain
- monitoring inputs and outputs through our environmental management systems
- selecting sustainably produced inputs wherever possible
- avoiding the use of chloride-based fertilizers

Keys to Growth & Change

Who would have thought that so many people would transition from granular fertilisers to liquids during dry times and economic turmoil?

Despite tough climatic and economic conditions SLTEC has been growing.

From a modest start on a greenfields site in 2005, supplying products and services that resulted in significant growth in the following years, more recent plant upgrades and new technologies have even further enhanced SLTEC's state-of-the-art liquid fertilizer formulations facility! Some blends which previously took 8 to 10 hours can now be made – to the highset standards of quality and consistency – in less than 40 minutes!

Further upgrades to tank storage systems, raw materials handling and load-out facilities are enabling even faster product despatch and even better customer service.

By 2008 new office facilities had been built to accommodate the growing business and expanding team.



Liquid fertilizers are widely regarded as one of the next major steps forward for Australian Horticulture and Agriculture, providing controlled and highly targeted nutrient management



An on-site laboratory provides an immediate asset for product development and formulation, routine testing and Quality Assurance.

In addition to 1500, 2400, 5000 and 10,000 litre fertilizer tanks SLTEC now also offers 23,000 and 32,000 litre tanks specifically designed for our products.

By working closely with our customers and partners in all key industry sectors we now produce more than 300 standard and private custom formulations.

Our team has expanded to deliver even better service to even more customers. This includes specialist Agronomists in all key regions and production areas.

Now, plans have now been commenced for a major expansion on SLTEC's 9 hectare site involving office facilities, even more bulk storage and manufacturing infrastructure.

Driving Horticultural Innovation

Jamie McMaster, Managing Director

Responsible for Agronomic services and SLTEC's market development, Jamie's role involves working with our resellers' team and our rapidly expanding customer base. Jamie also leads the family business – Outsourced Environmental – that he and his father started in January 2000.

Through Outsourced Environmental he has worked with Australian and international companies in areas related to environmental management and sustainability. With a high calibre team of consultants he has engaged in long term projects in the USA, Brazil, Greece, Germany, England, Turkey, New Zealand and Australia.

SLTEC was first established in 2005 in Tongala, Victoria. By August 2006 Stage 1 of the Tongala development was complete and SLTEC began

manufacturing liquid fertilizers primarily for the horticulture market. In August 2007 Jamie took on an operational role and the business grew in both production volumes and market footprint.

By August 2008 the business and its product range had grown even further so the company embarked on Stage 2 of the Tongala factory's development. The company has continued to grow despite extreme drought and difficult economic conditions. In 2012 SLTEC plans to more than double its warehouse facilities and triple its tank farm storage capacity and mixing facilities.

"I am passionate about SLTEC because it provides an opportunity to develop and improve the response growers, farmers, horticulturists and turf managers get from their inputs. Importantly, it provides a way I can be involved with a great team

of people to drive the fast emerging liquid fertilizer industry," Jamie said.

"I love working with our customers. I have worked in corporate organisations at all levels globally for many years. But it's working with our customers that really provides a sense of achievement."

"I love a technical challenge and I love working with people to improve their productivity and sustainability. Some of the keys we have developed are so simple and yet so effective and its the improvement seen over time that really makes my job worthwhile."



Ann Morrison, Research & Development Manager



With a strong background and track record in agricultural science and specialist chemistry, Ann Morrison heads technical and laboratory services for SLTEC. In addition to overseeing SLTEC's

stringent Quality Control and Product Consistency Standards, Ann provides the key skills to "get the chemistry right" and ensure SLTEC Fertilizers meet every customer's requirement.

Ann brings all pieces of the plant nutrition puzzle together – making SLTEC's solutions as concentrated as possible, as stable as possible, and as effective as possible. In Pro Turf situations that means nutrient solutions that perform as well as you need and expect your turf to, and in Hydroponics

Ann's expertise guarantees ultimate compatibility with your system.

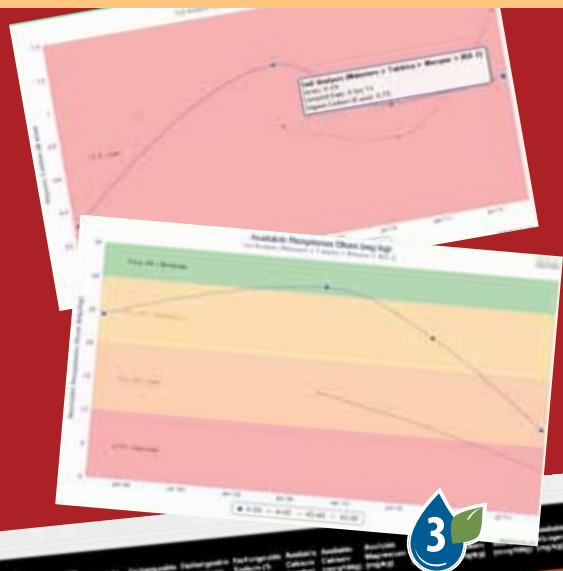
When SLTEC adds organic stimulants to the fertilizer equation, Ann's elemental chemical skill is the essential catalyst needed to bring these two worlds together in productive synergy. Especially when creating hydroponic solutions and other Custom Blends, it's about applying knowledge, experience, time and attention to detail to get the chemistry right to deliver the results needed and expected. At SLTEC – that's all part of the service.

Balanced Agronomy

Balanced Agronomy is a consultancy service SLTEC offers Nursery and Turf Managers directly, which results in optimum production and performance. In soil culture or soil less systems, this service gets plant nutritional and soil and growing medium health programs on track for sustained performance. It is specifically tailored to meet individual client needs and production dynamics.

Working closely with customers to establish their real needs, expectations

and potential, SLTEC brings its extensive technical expertise, resources and networks to achieve the best results possible using the best products and technologies available. This can involve creating or optimising Custom Blends. By integrating quality ingredients, the best chemistry and leading formulation with optimised growing conditions and customer needs, SLTEC truly delivers Balanced Agronomy.



A Professional Approach to Turf Nutrition

SLTEC's Turf & Landscape range of products is a family of high analysis liquid fertilisers designed for use in professional sports turf, amenity horticulture, hydroponics and landscaping applications.

We have created this range of products using carefully selected raw ingredients, including organic and biological additives, with a Quality Assurance system that ensures each product formulation is the very best it can be. Our products offer turf professionals convenience and efficiency in managing the nutrition of their soils, turf and landscape areas.

These products are primarily designed for application with foliar spray equipment, or irrigation water via drip, under-tree sprinklers or overhead systems. They can also be applied to the soil as a directed spray or injected into the soil as a band via direct drill systems for turf grass establishment or renovation.

SLTEC Turf & Landscape® benefits include:

- 100% water soluble plant available nutrients
- hassle-free injection
- rapid plant uptake
- Trace elements are chelated (where required) for efficient plant uptake
- Reduced labour, fuel costs and machinery wear and tear
- Nutrient applications can be more closely tailored to plant nutrient demand
- An extensive range of products and variants to match every situation and stage of growth



Bernard Hopkins from Bendigo Jockey Club

SLTEC Products for Turf include the following;

Note: SLTEC has more than 200 listed formulations and can Custom Blend to your specific requirements

Product Code	Name	N% (w/v)	P% (w/v)	K% (w/v)	S% (w/v)	Ca% (w/v)	Specific Gravity (kg/L)	pH Range	Typical Fertigation Application Rates (L/Ha) (Including Fairways)	Typical Application Rates (Pop-up, Banded with Seed, Directed Soil Spray) (L/Ha)	Typical Foliar Application Rates (ml/100 Sq. M) (Including Tees and Greens)
TL0025	Mag K Plus Mg 4.9%, Fulvic Acid 0.5%, Kelp 1%	0.0	0.0	9.5	7.7	-	1.29 - 1.33	5.5 to 6.5	25 to 60 L/Ha with 200 to 1,200 L/Ha Water	30 to 70 L/Ha	1 to 7 L/Ha with 800 to 1000 L/Ha Water Turf: 250 to 600 mls/100 Sq M with 8 to 12 L/100 Sq M water
SG0017	BiologiCAL PLUS N as NO3 0.3%, P as PO4 0.1%, Fulvic Acid 0.01%, Fish Emulsion 0.3%, Humic Acid 0.2%, Kelp 0.3%, Molasses 41.9%	0.3	0.1	2.0	1.8	6.27	1.27 - 1.31	6.0 to 7.0	20 to 60 L/Ha with 400 to 1,200 L/Ha water	40 to 150 L/Ha with 800 to 3,000 L/Ha water for Directed Soil Spray to treat Saline, Sodic & Magnesian Soils	Apply 4 to 8 L/Ha with 100 to 500 L/Ha water depending on Crop Type Turf: Apply 200 to 600 mls/100 Sq. M with 7 to 12 L/100 Sq. M water
TL0011	TE Blend 6 + Fulvic Acid N as NO3 2.6%, Mg 2.4%, Mn 3.1%, Zn 3.1%, Cu 0.5%, Mo 0.02%, B 0.2%, Fe 0.7%, Co 0.05%, Fulvic Acid 0.5%	2.6	-	0.1	4.2	-	1.28 - 1.29	1.0 to 2.0	10 to 20 L/Ha with 200 to 400 L/Ha Water	20 to 35 L/Ha with 100 L/Ha Water as a Soil Applied Banded Spray	3 to 7 L/Ha with 100 to 1,000 L/Ha Water Turf: 100 to 200 mls/100 Sq M with 3 to 4 L/100 Sq M water
TL0039	Pro Turf NQ3 N as NO3 10.3%, N as NH4 10.3%, N as Urea 20.6%, P as PO4 0.1%, Fe 0.001%, Si 0.003%, Fulvic Acid 0.01%, Fish Emulsion 0.2%, Humic Acid 0.2%, Kelp 0.2%, Molasses 0.2%	41.1	0.1	0.1	-	0.00	1.30 - 1.32	6.0 to 7.0	20 to 60 L/Ha with 400 to 1,200 L/Ha Water	50 to 150 L/Ha	3 to 20 L/Ha in 100 to 500 L/Ha Water Turf: 200 to 600 mls/100 Sq M with 6 to 12 L/100 Sq M water

Sticking with Winners on Quality Turf

A forced change in irrigation water source and quality during the most recent drought, and increased granular fertilizer costs, presented Bendigo Jockey Club with a reason and opportunity to change to liquid fertilizers. Four years-on, the benefits – in terms of consistent, even growth and well developed root systems – are visible and attracting favourable comment from trainers and jockeys.

Racecourse Manager at Bendigo, Bernard Hopkins, said, as a result of the regional city's water shortages during the drought, the track's irrigation system was

switched to Class A reclaimed water. The soil on-site had always been high in phosphorus and the reclaimed water was also high in P.

So, working with specialist consultants at Oasis Turf, Bernard switched from agricultural-type granular fertilizers to SLTEC liquids. Now a readily dissolved SLTEC Fertilizer liquid solution is applied by spray boom to the 7 hectares of turf on the 2,000 metre course proper and the 4 ha inner training track.

"This proved successful. We saw improvement in the turf – especially in root development," Bernard commented.

On a racetrack it's all about recovery for the next meeting and a good root system helps the turf withstand the rigours of so many horses in training

and through full race day programs, he explained. A good root system also presents a stable surface for the horses to race on – and even enough to give every horse a chance, he added.

Using SLTEC Fertilizer liquids has also resulted in more even growth, more even recovery, and fewer "growth flushes". This delivers more consistent racing conditions through the season and has somewhat evened-out the mowing program.

During the recent Victorian Spring Racing carnival's Bendigo Cup, leading trainers and jockeys commented on the track as 'one of the best they'd ridden on'. That's the sort of racing industry support that the Bendigo Jockey Club has achieved.

Solutions for Better Plants, Better Landscapes



Keith Chandler from Eversen Nurseries

SLTEC's liquid fertilizers – especially those from the Turf & Landscape® product family – offer professional horticulturists a tailor made solution for every category of greenlife, every stage of growth, every production system, and all landscapes.

Benefits include:

- Nutrients are in 100% water soluble plant available forms.
- Soluble nutrients provide hassle free injection (no insoluble blockages) and rapid plant uptake.

- Eliminate the time and hassle of dissolving of solid fertilizers. Labour can be used more efficiently. Manual handling issues are reduced and there is no need to deal with solid fertilizer that has set hard.
- Nutrient applications can be tailored to more closely match plant nutrient demand
- The Turf & Landscape® product range uses chloride free sources of potassium.

SLTEC Products for Landscape & General Horticulture include the following;

Note: SLTEC has more than 200 listed formulations and can Custom Blend to your specific requirements

Product Code	Name	N% (w/v)	P% (w/v)	K% (w/v)	S% (w/v)	Ca% (w/v)	Specific Gravity (kg/L)	pH Range	Typical Fertigation Application Rates (L/Ha) (Including Fairways)	Typical Application Rates (Popup, Banded with Seed, Directed Soil Spray) (L/Ha)	Typical Foliar Application Rates (ml/100 Sq. M) (Including Tees and Greens)
TL0026	Multi Trace N as NH4 1%, N as Urea 8.9%, P as PO4 2%, Mg 0.5%, Mn 0.1%, Zn 0.1%, Cu 0.1%, B 0.02%, Fe 0.01%	9.9	2.0	6.0	2.0	-	1.20 - 1.21	6.0 to 7.0	25 to 60 L/Ha with 200 to 1,200 L/Ha Water	35 to 80 L/Ha	1 to 7 L/Ha with 800 to 1000 L/Ha Water Turf: 250 to 600 mls/100 Sq M with 8 to 12 L/100 Sq M water
TL0002	Nitro K TE N as NO3 0.5%, N as Urea 9.1%, Mg 0.5%, Mn 0.2%, Zn 0.3%, Cu 0.2%, Fe 0.2%	9.6	-	17.3	0.3	-	1.28 - 1.30	7.0 to 8.0	10 to 50 L/Ha with 200 to 1,200 L/Ha Water	5 to 15 L/Ha with up to 100 L/Ha of Water as a Popup 15 to 100 L/Ha Banded with Seed (Depending on Target Application)	1 to 5 L/Ha with 800 to 1000 L/Ha Water Turf: 100 to 500 mls/100 Sq M with 3 to 10 L/100 Sq M water
TL0007	Turbo P + Kelp N as NH4 10.2%, P as PO4 14.4%, Kelp 1.9%	10.2	14.4	0.3	-	0.01	1.29 - 1.30	6.0 to 7.0	10 to 60 L/Ha with 200 to 1,200 L/Ha Water	20 to 200 L/Ha Direct Soil Spray Application (Depending on Target Application)	1 to 2 L with a minimum of 100 L Water/Ha (i.e. 1 to 2% Solution w/v) Tree Crops: 0.25% Solution w/v Turf: 100 to 600 mls/100 Sq M with 3 to 12 L/100 Sq M water
TL0018	Baseline PLUS N as NO3 0.02%, N as Urea 11.7%, P as PO4 4.9%, Mg 0.2%, Mn 0.01%, Zn 0.01%, Cu 0.01%, B 0.02%, Fe 0.01%, Fulvic Acid 0.03%, Fish Emulsion 0.4%, Humic Acid 0.3%, Molasses 0.4%	11.7	4.9	13.6	2.0	0.01	1.29 - 1.32	8.0 to 9.0	30 to 70 L/Ha with 200 to 1,200 L/Ha Water	25 to 80 L/Ha Direct Soil Spray Application (Depending on Target Application)	1 to 7 L/Ha with 800 to 1000 L/Ha Water Turf: 300 to 700 mls/100 Sq M with 10 to 14 L/100 Sq M water
TL0009	Nursery Blend N as NO3 7.1%, N as NH4 5.1%, P as PO4 3.1%, Ca 2%, Mg 0.3%, Mn 0.005%, Zn 0.004%, Cu 0.004%, B 0.003%, Fe 0.01%	12.2	3.1	5.2	-	1.96	1.28 - 1.29	2.0 to 3.0	40 to 100 L/Ha with 800 to 2,000 L/Ha Water	60 to 120 L/Ha Direct Soil Spray Application (Depending on Target Application)	1 to 7 L/Ha with 800 to 1000 L/Ha Water Turf: 400 to 1,000 mls/100 Sq M with 13 to 20 L/100 Sq M water

Advanced Tree Grower Realises Big Savings

Labour-saving, lower plant nutrient costs and great results are among the benefits of using SLTEC's liquid nutrient realised by specialist advanced tree grower Eversen Nurseries.

Eversen Nurseries produces a range of mature and advanced trees for the nursery, landscape brokerage and property development markets, as well as a range of apple rootstocks for the nursery and apple industries.

Growing methods – including irrigation and tree nutrition – are aimed at producing high quality, uniform trees with good caliper

and healthy root systems. Labour is therefore a significant input cost despite some nitrogen being applied to larger trees in the irrigation water.

However, reflecting his professional irrigation experience with Netafim, Eversen's Keith Chandler employed fertigation via simple fertiliser tanks delivered through multi-outlet drippers (MODs) on about half of Eversen's containerised trees.

When he switched over to SLTEC liquid nutrient mixes the results were remarkable.

"We had a very good response," Keith commented. "I really like the humate in the SLTEC product – it seems to work."

"Our staff reported changes in the trees without knowing the SLTEC solution had been implemented. That's a fabulous response."

We are getting good calipers, good growth, strong, sturdy and healthy plants and good leaf colour, he reported.

"At just a litre of concentrate per week that's very economical and it saves a lot of labour – at hourly rates - that we previously used to apply solid fertilizers. It used to take a day to feed that number of plants."

"The labour saving was a very positive by-product of using the SLTEC solution."



Hydroponics – Making Quality Nutrient Solutions Easy

Example SLTEC Products for Hydroponic Production include the following;

Product Code	Name	N% (w/v)	P% (w/v)	K% (w/v)	S% (w/v)	Ca% (w/v)	Specific Gravity (kg/L)	pH Range	Hydroponics Application Rates
TL0046	Hydro Cal and Iron (Blend A) N as NO3 11.6%, Fe 0.5%	11.6	-	-	-	16.62	1.47 - 1.48	2.0 to 5.0	Contact a SLTEC Agronomist for advice on specific application rates. The rate or concentration applied will depend on your crop type, water chemistry, desired system parameters such as Electrical Conductivity, pH, drainage water quality and the type of hydroponics system you are operating.
TLCB0007	Generic Rose Blend B N as NO3 1.2%, P as PO4 1.3%, Mg 1%, Mn 0.02%, Zn 0.01%, Cu 0.003%, Mo 0.004%, B 0.01%	1.2	1.3	5.0	1.4	-	1.14 - 1.15	3.0 to 4.0	
TL0048	Vegetable Nursery Blend N as NO3 1.7%, P as PO4 0.8%, Mg 0.2%, Fulvic Acid 0.5%	1.7	0.8	6.1	0.2	-	1.0 - 1.1	4.0 to 5.0	
TLCB0010	Vegetable Hydro Blend B N as NO3 3.2%, N as NH4 2.3%, P as PO4 4.6%, Mg 1%, Mn 0.01%, Zn 0.01%, Cu 0.03%, Mo 0.04%, B 0.04%, Fe 0.001%, Fulvic Acid 0.01%, Fish Emulsion 0.2%, Humic Acid 0.2%, Kelp 0.2%, Molasses 0.2%	5.5	4.6	4.6	-	0.003	1.20 - 1.21	2.0 to 3.0	

Note: For most larger scale hydroponic systems SLTEC tends to work directly with the client to develop custom solutions to match the production requirements, water chemistry and site specific considerations.

Custom Nutrient Solution Delivers Best Blooms - Consistently

Australia's largest specialist cut rose company – Grandiflora – is now benefitting from a move to custom blended nutrient solutions used throughout its 5 hectare greenhouse.

SLTEC was commissioned to formulate and deliver solutions in bulk, to Grandiflora's specifications and production requirements. Nutrient solutions are now simply delivered to bulk storages by tanker, eliminating the previous need for Grandiflora to source, purchase, store and mix a range of solid chemical ingredients.

The move has brought Grandiflora operational efficiencies, reduced OH&S concerns, and improved the consistency of its already high standard cut flower product.

As well as cut flower production from about half a million rose plants and about 100 different rose varieties, Grandiflora propagates its own replacements and supplies about 75% of the domestic industry's propagation material in a NIASA Accredited facility.

As the largest fully environmentally controlled growing facility in Australia for the production of cut roses, Grandiflora employs the most up-to-date technologies, equipment and growing knowhow. Previously nutrient solutions had been

manually blended on-site using solid ingredients to formulae developed in conjunction with an international specialist consultant. One of the major downsides of this approach – despite the skills and best intentions of operators – is inconsistency in the mixing.

Now custom blended 'A' and 'B' solutions are simply pumped into bulk on-site storage through a high capacity quick coupling receipt point, before being injected into the greenhouses' irrigation systems.

"Consistency and quality (of product) are the main drivers of our business," Nursery & Projects Manager Brendon Anderson explained. "We are seeing higher quality stems and certainly a higher and more consistent quality in foliage and colours."

When we went looking for a partner in this project we knew there had to be "something better" out there, Brendon added.

In adopting SLTEC as a partner supplying and delivering custom-blended nutrient mixes to strict specifications and standards, Grandiflora has found a better way of consistently achieving the high standards which have given it a leading industry position.



Nursery Production – Good Plant Nutrition Means Best Results from the Roots Up!

An extensive range of nutrient ratios are available to account for different nutrient demands to suit different types and categories of greenlife, and different stages of growth.

Nutrients are in 100% water soluble plant available forms.

Only the best ingredients consistently incorporated in the most appropriate

formulation means consistent and uniform greenlife quality.

Soluble nutrients provide hassle free injection and application by hand or irrigation systems (no insoluble blockages)

Turf & Landscape® products contain multiple nutrients, thus reducing the possibility of human error when staff

are required to mix straight fertilizer products.

Turf & Landscape® products offer consistent, uniform blends which are not subject to the segregation issues associated with solid fertilizer products. This contributes significantly to consistent, uniformity of quality in production and after planting out.

SLTEC Products for Nursery Production include the following;

Product Code	Name	N% (w/v)	P% (w/v)	K% (w/v)	S% (w/v)	Ca% (w/v)	Specific Gravity (kg/L)	pH Range	Typical Fertigation Application Rates (L/Ha) (Including Fairways)	Typical Application Rates (Popup, Banded with Seed, Directed Soil Spray) (L/Ha)	Typical Foliar Application Rates (ml/100 Sq. M) (Including Tees and Greens)
SG0007	Quad Shot Biostimulant N as NO3 0.4%, P as PO4 1.7%, Zn 0.001%, B 0.002%, Fe 0.007%, Fulvic Acid 0.2%, Fish Emulsion 7.3%, Humic Acid 6.0%, Kelp 7.3%, Molasses 7.3%	0.4	1.7	2.5	0.2	0.16	1.1 - 1.20	2.5 to 3.5	40 to 100 L/Ha with 800 to 2,000 L/Ha water	60 to 150 L/Ha with 1,200 to 3,000 L/Ha water	Apply 1 to 4 L/Ha with 100 to 400 L/Ha water Turf: Apply 400 to 1,000 mls/100 Sq. M with 13 to 20 L/100 Sq. M water
TL0018	Baseline PLUS N as NO3 0.02%, N as Urea 11.7%, P as PO4 4.9%, Mg 0.2%, Mn 0.01%, Zn 0.01%, Cu 0.01%, B 0.02%, Fe 0.01%, Fulvic Acid 0.03%, Fish Emulsion 0.4%, Humic Acid 0.3%, Molasses 0.4%	11.7	4.9	13.6	2.0	0.01	1.29 - 1.32	8.0 to 9.0	30 to 70 L/Ha with 200 to 1,200 L/Ha Water	25 to 80 L/Ha Direct Soil Spray Application (Depending on Target Application)	1 to 7 L/Ha with 800 to 1000 L/Ha Water Turf: 300 to 700 mls/100 Sq M with 10 to 14 L/100 Sq M water
TL0009	Nursery Blend N as NO3 7.1%, N as NH4 5.1%, P as PO4 3.1%, Ca 2%, Mg 0.3%, Mn 0.005%, Zn 0.004%, Cu 0.004%, B 0.003%, Fe 0.01%	12.2	3.1	5.2	-	1.96	1.28 - 1.29	2.0 to 3.0	40 to 100 L/Ha with 800 to 2,000 L/Ha Water	60 to 120 L/Ha Direct Soil Spray Application (Depending on Target Application)	1 to 7 L/Ha with 800 to 1000 L/Ha Water Turf: 400 to 1,000 mls/100 Sq M with 13 to 20 L/100 Sq M water



Boomaroo Nurseries' Ian Willert has eliminated wear and tear on pumps and injectors, overcome OH&S concerns and increased operational efficiencies by using a custom-blended liquid nutrient from SLTEC.



300 Million Seedlings Now Fed By Liquid Nutrient

Southern Australia's largest vegetable seedling nursery has moved to custom blended liquid fertiliser as it addresses issues facing all Australian horticultural enterprises.

Occupational health and safety (OH&S) concerns, a drive to highly efficient 'lean' management systems, and destructive wear and tear on pumps and delivery systems caused by incompletely dissolved fertiliser ingredients, drove the change at Lara-based Boomaroo Nurseries.

In addition to overcoming these challenges, using the liquid fertiliser custom blended by SLTEC has resulted in notably even and more consistent seedling growth.

Boomaroo produces nearly 300 million seedlings annually.

Previously – like many nurseries and growers – Boomaroo purchased a number of fertiliser ingredients, stored them on-site, and manually blended

its own nutrient formula which was subsequently mixed into solutions for application. In using the dissolved solids mix, equipment - including pumps and injectors – had also worn out prematurely. Operations Manager Ian Willert recalled. "We needed a liquid-based product. We also wanted a system that fits our program of 'yes – we're busy so make it easier,'" Mr Willert said.

"The biggest OH&S issue is storage of raw material. Going to a liquid-based blend eliminates nearly all the concerns and issues in one go."

"It's also clearly obvious now that, before, not everyone was accurately and consistently weighing out the correct ingredient measures. That aspect of human error has been removed by using the SLTEC blend," he explained.

"By sourcing liquid nutrient blends from SLTEC we save money, save labour, and add efficiencies."





Photo: Bendigo Jockey Club



Specialised Custom Blends Service Available

Custom blends, including trace elements and other additives such as humic acid, can be developed upon request. These can be tailored for your specific crop, soil and environmental situations.

We highly recommend seeking appropriate agronomic advice when planning crop nutrition programs incorporating SLTEC® products. Our company and dealer agronomists can assist.

Product Storage and Handling

The SLTEC® range of liquid fertilizers are available in bulk (via tanker), 1000 litre Intermediate Bulk Containers (IBCs), 220 litre and 20 litre containers. Ask about the range of SLTEC® bulk liquid fertilizer tanks (including freestanding 5000, 10,000, 23,000 and 32,000 litre capacity) and injection technology available to purchase or hire.



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FERTILIZERS

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