

Quality Ingredients
Australian Made
Family Owned

SUMMER 2012



FERTILIZERS

Liquid Fertilizer News

WELCOME to this summer 2011 newsletter.

Acceptance of liquid fertilizer technology is growing across a wide range of agricultural and horticultural sectors.

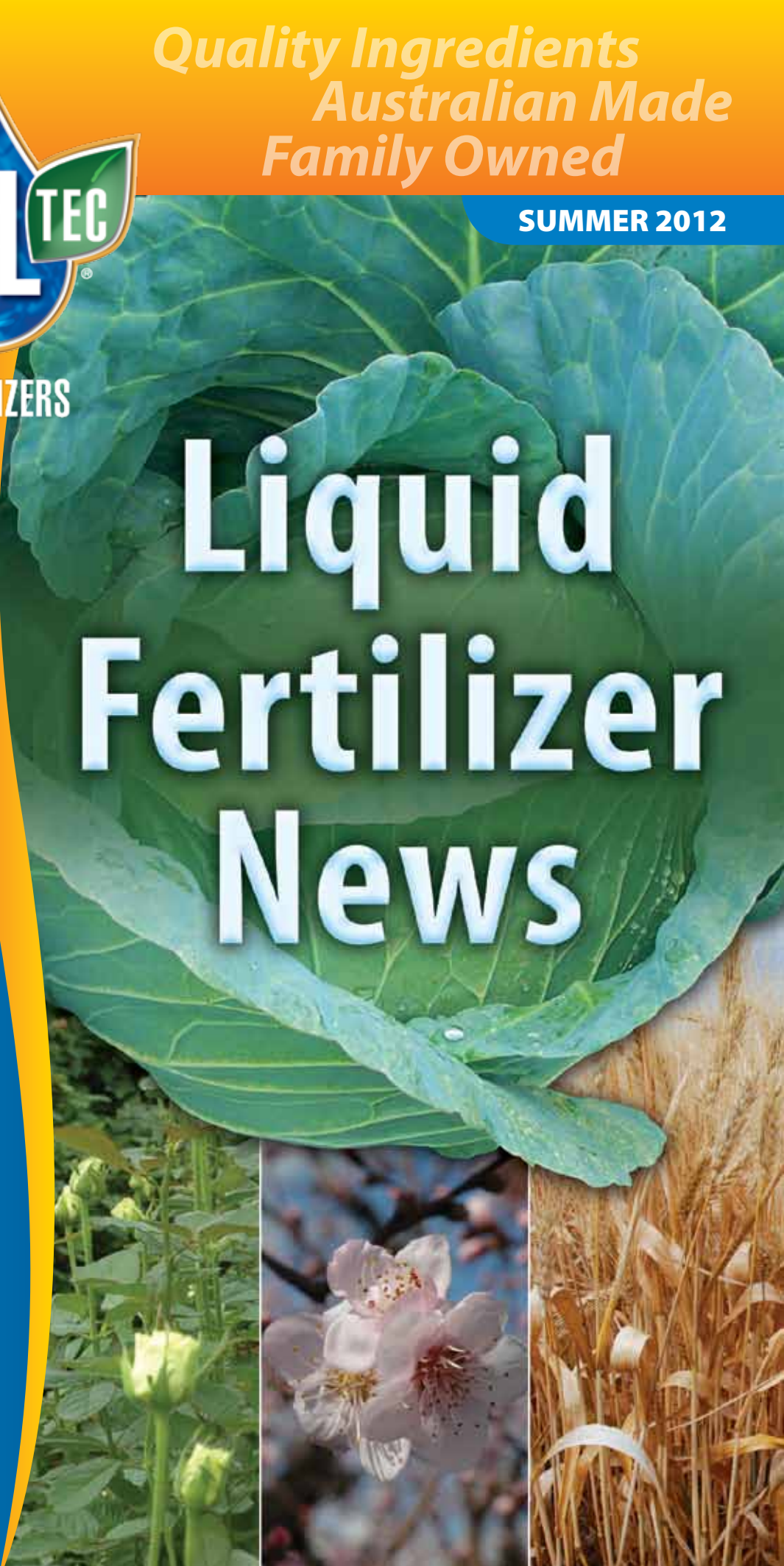
Read how a Hawkesbury River family is saving money using our bulk liquid nutrient solutions.

Andrew Hall explains how you can use centre pivot systems to apply fertilizer.

Phil Peterson notes a swing towards liquid fertilizer as broadacre farmers across southern NSW upgrade their seeding equipment.

And find out how Australia's largest rose grower is improving stem quality.

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Rapid growth in sustainable liquid fertilizer technology

The uptake of sustainable liquid fertilizer technology is growing rapidly across all agricultural sectors, and that's producing exciting times here at SL TEC.

More staff

We are expanding our team to make sure we can maintain and improve on the prompt, personal service that has been so important in establishing SL TEC's reputation.



Florida Rengarasu has joined the team at our Tongala head office as my personal assistant. As well as

freeing me up to spend more time on growth and development, she adds extra administrative capacity to the business.



Growing sales means there is more activity in manufacturing and distribution. Richard Corrigan comes on board to strengthen operations.

And in line with our policy of providing knowledgeable, locally available agronomic advice right across our market area,



we have employed environmental science graduate Meredith Jay who will be based in the Goulburn Valley.

Plant expansion

We are preparing for a major expansion of our manufacturing facilities at Tongala to meet growing demand. Site preparation is underway and construction will commence shortly.

It will double the size of our plant along with production capacity, and allow greater efficiency in materials handling. I look forward to giving you more details in the next edition.

Bulk tank strategy takes off

Our strategy to increase the availability of bulk on farm storage solutions is really taking off with more and more farmers and growers installing our purpose designed tanks.

They are available in capacities from 1500 to 32,000 litres. And unlike those of our competitors, our tanks are designed specifically for bulk fertilizer storage. Features include easy to operate valves, level indicators and sumps with auxiliary outlets on the large models that allow complete emptying.

All our tanks are easily transported. Even the 32,000 litre can be towed behind a four-wheel-drive using our custom designed trailer.

Walnuts Australia at Griffith are using our tanks along with the Micallef family from Agnes Banks near Sydney, and Grandiflora at Skye on the Mornington Peninsula, both featured in following stories.

Bulk into Tasmania

Continuing the bulk story, we recently sent our first 20 tonne Isotainer to Swansea on the east coast of Tasmania where the load was pumped directly into storage tanks at the large plantation owned by Walnuts Australia. Until now bulk quantities of liquid fertilizer at this scale haven't been available to Tasmanian growers.

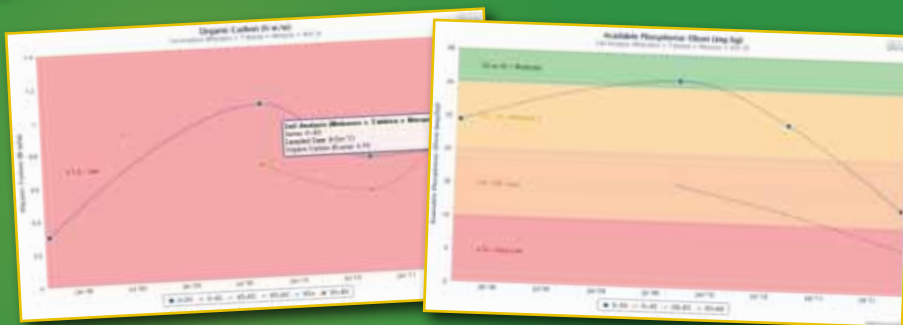


Exciting new software

We have just developed some exciting new balanced agronomy software that will make it easier to achieve yield increases through the better matching of fertilizer requirements to nutrient needs.

These screen grabs give you a taste of what is to come, and we will provide more detailed information in the next edition.

This software will help to clearly define customer needs and help us provide you with the most efficient custom blends.




Jamie McMaster
Managing Director

Brilliant blooms consistently



Australia's largest specialist cut rose company – Grandiflora – is now benefitting from a move to custom blended nutrient solutions used throughout its five hectare greenhouse production site at Skye south east of Melbourne.

Tongala-based Sustainable Liquid Technologies (SL TEC) 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 at Skye 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 in its growing facility, reduced OH&S concerns, and improved the consistency of its already high standard cut flower product.

In addition to cut flower production from about half a million rose plants, Grandiflora propagates its own replacements as well as supplying about three quarters of the domestic industry's propagation material in a NIASA Accredited facility.

100 varieties

Established more than 50 years ago by Dutch immigrants John and Kitty Schreuders, and subsequently managed by their son Harry and now involving a third generation of family, Grandiflora grows about 100 different rose varieties. This range of all popular colours, forms and sizes has put the nursery at the forefront of the industry – a position it works and invests vigorously to maintain. It is one of only 20 companies in the world that specialises in cut rose breeding and has won the Melbourne International Flower & Garden Show (MIFGS) Gold Medal for Quality of Cut Flowers on three occasions.

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

know how. While most production is in a coir-based hydroponic system, some in-ground production survives. Even so, all production sees plant nutrient solutions supplied via the irrigation system and growth supported by CO² enhancement and temperature control including hot water heating pipes through the plantings.

Bulk on-site storage

Until about a year ago nutrient solutions had been manually blended on-site using solid ingredients to formulae developed in conjunction with an international specialist consultant. As many other enterprises have experienced, 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 receival point, before being injected into the greenhouses' Brinkman-specified irrigation systems in response to changing light, temperature and humidity conditions under management by a high level Priva control system.

Uniformity of results is the main attraction for Grandiflora.

"Consistency and quality of product are the main drivers of our business," nursery and projects manager Brendon Anderson explained.

Higher quality stems

"Purchasing nutrient solutions in bulk may be a little more expensive than buying ingredients direct, and there is a small labour saving in mixing ingredients on-site. However we believe we are seeing higher quality stems and certainly a higher and more consistent quality in foliage and colours," he commented.

"Grandiflora is too professional a company to compromise when making such an important change to our production system. When we went looking for a partner in this project we knew there had to be something better out there," Brendon added.

"We have found SL TEC to be extremely knowledgeable, helpful and professional and to provide the service we sought.

"Like Harry Schreuders and Grandiflora, we have found managing director Jamie McMaster and SL TEC to be like-minded and extremely passionate; we have all learned something from each other.

"We've had no shelf-life issues with SL TEC's solutions, there has been no instability or dropping out of nutrients, our pipes and drippers are clean and we have not noted any sediment in the lines," Brendon recorded.

Recycling

Both companies also share a concern with environmental issues. Grandiflora has made a commitment to a sustainable future by collecting all rain water from the entire glasshouse roof surface, and recycling drainage water which is held in settling storages before passing through a four-stage filtration and sanitation process before re-use.

The older soil-based production units – which allowed water loss and leaching of nutrients to the water table – are being phased out in favour of the recirculating hydroponic system.

"For more than 50 years the Grandiflora name has been synonymous with floral innovation and industry leadership, and we're keen to keep it that way. As we head into the future, our focus remains on quality, integrity, creativity and innovation," Brendon said.

In adopting SL TEC 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.

Rich fruit experience helps growers

Andrew Hall may be relatively new to SL TEC, but he brings with him a rich store of experience in the fruit industry which is already proving a benefit to the company.

Andrew was appointed regional agronomist for Tasmania and southern Victoria, based in Hobart, in the middle of this year.

"My background involves 20 years in the fruit industry, primarily with apples and cherries," Andrew says.

"I managed cherry and apple orchards for Reid Fruits for 10 years in Tasmania after doing similar work in Victoria and working as an agronomist with Roberts Ltd.

"Since joining SL TEC, I've spent time in south-east Victoria, the Goulburn Valley and in New South Wales with Phil Peterson – my expertise being in fruit production means I'm not just confined to Tassie.

"I can branch out and help the other guys. It works the other way, too – Steve (Thomas) has expertise in vineyards, Tim (Brown) in citrus and table grapes and Phil in broadacre, so we use each other as a resource."

Walnuts fertigation

Andrew has found he's now no longer involved only with fruit growers.

"I'm talking to nursery guys, strawberry growers, dairy people and the turf industry, particularly in areas such as golf course maintenance," he says.

"And we have a big project down here with walnuts on the east coast.

"Walnuts Australia, at Swansea, was set up with fertigation in mind right from the start. They inject from multiple tanks and are high-volume users.

"We produce fertilizers for all facets of farming, so it's just getting to know who's out there and where the opportunities are.

"At the moment, it's the cherries and walnuts that take up most of my time, but it's also important to develop relationships with dealers, helping them to create nutrition

programs for their customers to keep them informed about what we're doing.

"It's a highly serviced industry down here. There's a fair bit of competition, but I know we're offering something different.

"And I think the dealers are appreciating the benefits of having someone on the ground."

Involved in research

Andrew is also involved in agriculture on the research side.

"I chair the Perennial Horticultural Advisory Group at the Tasmanian Institute of Agricultural Research," he says.

"That body represents crops ranging from berry fruit through to apples, cherries, stone fruit, olives and walnuts.

"To a lesser extent, it takes in hops as well.

"The group comprises representatives from each of those industries and we try to identify research priorities for industry."

Ease of application

Andrew says the popularity of liquid fertilizers is continuing to grow.

"Intensive horticulture adopted liquids some time ago," he says.

"However, people are still struggling a little with the application. It's very simple to inject liquids into your irrigation set-up, but the technology people have to do that varies from the very basic to quite expensive metered injection systems.

"People like the simplicity of liquid fertilizer and its ease of application – it takes away the OH&S concerns, the labour issues and tying people up mixing bagged fertilizer when they could be doing other things.

"In the fruit game, we're just coming out of flowering now, which is a phase of rapid cell division.

"That's a stage when trees are at their peak demand for things such as calcium and some trace elements from the soil.



“...my expertise being in fruit production means I'm not just confined to Tassie. I can branch out and help the other guys.”

"In other crops, the broadacre guys have come out of a wettish spring, so there are a few cereal crops out there which were sown late and might need a bit of a perk-up.

"Some people are now starting to think about top-dressing with a little nitrogen and trace elements to kick things along."

Irrigation expansion provides opportunities

Andrew sees plenty of opportunities arising from the expansion of irrigation in Tasmania.

"There are a lot of centre pivots around and this is an opportune time for people to be thinking about fertilizer injection on those systems," he says.

"Most of these pivots now have power or some means to inject fertilizer at the pivot point rather than using booms.

"People down here can see the advantages of liquid, but they're grappling with the cost of changing infrastructure.

"Some of these injection systems are very simple and low-cost, but others are not – it depends how far you want to go with it. When things are tight financially, people tend to stick to what they know.

"But the impetus is out there to do it."

Liquid fertilizer solution meets expectations in the Sydney basin

By adopting liquid nutrient solutions, long established Sydney Basin vegetable growers are meeting today's market and community expectations for quality and productivity.

For over two generations now, the Micallef family has produced a range of fresh produce off the rich flats at Agnes Banks along the Hawkesbury River, under the shadow of the Blue Mountains. Lettuce, watermelon, sweetcorn, cauliflower, potato and cabbage all have helped feed the Sydney metropolis and sustain the family's 70 acres of growing operations year-round.

Price prompts change

Until about a year ago the Micallefs followed the local pattern and dissolved solid fertilizers through a fertigation/mixing tank system, or applied solid fertilizers twice during the season – once at planting and later as a side dressing during the growing period. However this approach was reconsidered as the price of fertilizers increased and, after being prompted by their agronomist, more thought was given to the variable seasonal needs of their crops and the potential nutrient wastage through losses into drainage, the lower soil profile and even the water table.

The result was a shift to liquid nutrient solutions supplied in bulk by SL TEC Fertilizers. "The guys at SL TEC are great, they work out what we need to do for each crop including the timing of applications and then the fertilizer is delivered direct to the farm. This really suits our requirements," said Valentine Micallef.

"The best thing is storage and handling. Fertilising the crop is now just as easy as turning on a tap."

Harmony with crop's needs

Nutrient solutions are delivered to the Micallefs' farm by bulk tanker, stored in bulk tanks supplied by SL TEC Fertilizers, and managed on an application-by-application basis using SL TEC's Balanced Agronomy program that is designed to suit each individual crop.

Plant nutrition is now easily managed and more efficiently delivered through the growing season, and in better harmony with the crop's needs as indicated by sap and soil testing. Instead of two big 'feeds' during the year – much of which is quickly leached down past the root zone and made unavailable to the crop when it is needed – the plants are fed when, and as required.

No blockages

According to Valentine the liquid fertilizers have also saved on labour and made storage simpler. "We have no blockages in the fertigation system. We had to clear the injector regularly before when using the solid fertilizers."

Another result, appears to be what growers and market agents most appreciate – better produce – watermelons not cracking, better shelf life and more

consistent quality overall, across all crops. There is also a lot fewer nutrients lost to inland drainage systems linked to a system of lagoons. The nutrients are retained on-farm in the beds, to benefit the crops and to reduce the potential of any environmental losses.

The change has also been complemented by increased use of composts on the farm, which together with the balanced fertilizer program, improves soil structure, fertility and water holding capacity.

Challenge to reduce costs

Valentine said that it's one of the biggest changes the family has made since his father John and mother Vicki started growing vegetables in the Sydney basin. With Valentine, brother Sam and sister Marika also now involved in the enterprise, such steps forward are important as they face the future of growing in this important production region.

"Growers in the Sydney Basin today face a number of challenges," SL TEC agronomist Phil Peterson commented.

"Among those challenges is the need to contain or reduce growing costs, to maintain yields while maximising quality, and being aware of the environmental expectations of growing food on the fringe of a major city.

"By considering all these factors and by taking a well thought out and well-managed step across to liquid nutrient solutions, the Micallefs have positioned themselves to advantage in the Sydney Basin's food growing future."



Swing towards liquid as farmers buy new gear

Phil Peterson in his role as regional sales manager (NSW, Vic, Tas), based out of Grenfell in the central west of NSW, wears two hats.

While he works all around the state at different times, he mainly finds himself operating south of Dubbo.

"I have two roles," Phil says. "Internally I work closely with new sales staff as a sales manager and mentor for young graduate employees, while from an external point of view, I work as an agronomist, providing knowledge and service to a wide range of agricultural and horticultural growers.

"While we manufacture fertilizer, we also sell balanced or correct nutrient packages.

"Thinking of any type of grower, we might develop a program to work out how much nitrogen, potassium, phosphorus, sulphur, zinc or copper they need.

Required nutrients

"We find out when and where the crop needs certain nutrients and try to supply that just prior to it being required. That means you use less fertilizer, spend less money and the farmer gets a better crop."

Phil joined the company in 2009 with two decades of experience behind him.

"I was employed by Jamie based on my broadacre experience," he says.

"I had 12 years in my own consultancy business in broadacre agriculture, crop and pasture, and, before that, spent nearly 10 years at Incitec.

"These days, I work with lots of different crops. This summer, it's mainly with cotton and maize, which are being sown at this time of year in southern New South Wales.

"I'm involved with citrus growers, with apple and cherry growers and with vegetable growers producing sweetcorn, lettuce, cabbage, cauliflowers, zucchinis and capsicums.

"In autumn, it would be predominantly broadacre crops – cereals such as wheat, barley and oats, canola, peas and lupins."

Growing trend

Phil says there is a small, but growing, trend in southern New South Wales for

farmers buying new gear opting for liquid injection systems – liquid at sowing, plus foliar applications to get trace elements and nitrogen on.

"Anyone with existing machinery will have been granular in the past," Phil says.

"At this stage, our products are 99% liquid and so work very well in fertigation. Not surprisingly, the crops we target most are those that are irrigated.

"The uptake of liquids is definitely growing. In horticulture, liquids and soluble solids are commonplace because they all have irrigation, while in winter-cropping broadacre it's less prevalent. In broadacre summer cropping, there's a lot more sowing with liquids now.

Flexibility

"Traditionally, many farmers use granulated products and we're not going to change the world in a couple of years. Realistically, people aren't going to go to liquids until they start replacing their machinery.

"Interestingly, we're seeing some growers getting new machines that can do either liquid or granular, giving them the flexibility to make a choice."

Liquid 'pop-ups'

Phil says most growers of summer crops put down a fertilizer base, then many use what is called a 'pop-up'.

"This is liquid injected down the tine to help kick the seed out of the ground, particularly when it's cold," he says.

"Then, in about four to six weeks' time, they'll want to start applying more nitrogen as they start to irrigate, they will trickle-feed more nitrogen, and perhaps potassium and trace elements, as the season goes.

"With cotton and maize, we have a couple of SpringStart products – or another we've tagged Cotton Starter, which is a nitrogen-phosphorus NPK mix plus zinc.

"My largest vegie grower near Richmond, in the Sydney Basin, has bulk tanks on-farm and we cart it up there in B-double-loads.



"We find out when and where the crop needs certain nutrients... that means you use less fertilizer, spend less money and get a better crop."

He has a base of five or six products he uses for his lettuces, sweetcorn Brassicas and watermelons."

Hard data

Phil is also directing a three-year broadacre trial program near Young in the hope of extracting some hard data on gross margin results.

"We are working with a reseller, Delta Ag, along with approximately 15 suppliers, testing 40 or so treatments.

"This year, we have broadacre trials over five plots in canola," he says.

"Last year on the same dirt, we had wheat. Next year, it will be wheat again.

"On four of those plots we're trying to find out how much SpringStart is equivalent to the normal rate of granulated MAP, which is what everyone uses. You can come up with assumptions, but we have no proof, so we're looking to get some clear data.

"There are reported to be greater efficiencies in using liquid as opposed to granules, but there's no proof. It's the same stuff – ammoniated phosphate – but the liquid is already dissolved, so it goes into the soil and is available straight away.

"The granule has to dissolve – to absorb moisture out of the soil for the nutrients to be released.

"On the fifth plot I'm comparing my best fertilizer mix with everyone else's best bet."

SL TEC products for broadacre summer crops 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 Fertiligation Application Rates (L/Ha) (Including Fairways)	Typical Application Rates (L/Ha) (Popup, Banded with Seed, Directed Soil Spray)	Typical Foliar Application Rates
Planting, Sowing, Crop Establishment	GGCB0080	Cotton Starter N as NH4 1.8%, P as PO4 21.9%, Zn 1%	1.8	21.9	7.5	-	-	1.42 - 1.43	< 1	15 to 65 L/Ha	20 to 40 L/Ha, direct furrow application (25-50mm beside & below the seed). If directly applied to soil prior to cultivation, higher rates than above can be used. If applying at planting, band 5 cm to the side and below the seed or transplant.	3 to 10 L/Ha with a minimum of 300 to 500 L/Ha Water
	SS9005	SS 8:8:16 + TE N as NH4 3.5%, N as Urea 4.3%, P as PO4 7.9%, Zn 1%	7.8	7.9	16.0	4.1	-	1.29 - 1.31	8.0 to 9.0	20 to 100 L/Ha	5 to 25 L/Ha with up to 100 L/Ha of Water as a Popup for Row Crops	1 to 2 L with a minimum of 100 L Water/Ha (i.e. 1 to 2% Solution w/v)
	SS9009	SS 10:14:0 + 1% Zn, 2% Kelp N as NH4 9.6%, P as PO4 13.6%, Zn 0.8%, Kelp 1.9%	10.0	13.6	0.3	-	-	1.28 - 1.29	6.0 to 7.0		15 to 100 L/Ha Banded with Seed with 25 to 200 L/Ha of Water (Depending on Crop)	Vegetables: Young Foliage (0.5% Solution w/v), Mature Foliage (1% w/v) Tree Crops: 0.25% Solution w/v
	SSCB0002	SS 10:13:1 + 0.9 Zn	10.0	13.3	1.0	-	-	1.29	6.5 to 7.5		20 to 200 L/Ha Direct Soil Spray Application Prior to Sowing (Depending on crop)	
	SS9002	SS 11:16:0 + Kelp N as NH4 10.2%, P as PO4 14.4%, Kelp 1.9%	10.2	14.4	0.3	-	-	1.29 - 1.30	6.0 to 7.0			
Foliar Topdress Options	SNPK0026	Zinc & Fulvic Acid Zn 15.9%, Fulvic Acid 0.5%	-	-	0.1	7.8	-	1.36 - 1.38	2.0 to 3.0	5 to 10 L/Ha (Fertigated)	5 to 10 L/Ha with 100 L/ha Water as a Soil Applied Banded Spray	1 to 3 L/Ha with 100 to 1,000 L/Ha Water (Broadacre use at least 100L/Ha water)
	GGCB0071	K 220-Mag Mg 1.6%	-	-	21.6	-	-	1.27-1.29	6.5-7.5	10 to 50 L/Ha	50 to 150 L/Ha as Soil Application	5 to 10 L/Ha with 1000 L/Ha Water
	GGCB0016	High KP P as PO4 12.2%	-	12.2	36.5	-	-	1.55 - 1.57	12 to 13		20 to 60 L/Ha If direct applied to soil prior to cultivation, higher rates than above can be used.	1 to 2 L with a minimum of 100 L Water/Ha (i.e. 1 to 2% Solution w/v)
	GG0042	Pot Phosphate P as PO4 13.8%	-	13.8	30.1	-	-	1.48 - 1.49	7.0 to 8.0	10 to 50 L/Ha	If applying at planting, band 5 cm to the side and below the seed or transplant.	Vegetables: Young Foliage (0.5% Solution w/v), Mature Foliage (1% w/v). Tree Crops: 0.25% Solution w/v
	SNPK0046	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 (Fertigated)	20 to 30 L/Ha with 100 L/ha Water as a Soil Applied Banded Spray	1 to 7 L/Ha with 100 to 1,000 L/Ha Water (Broadacre use at least 100L/Ha water)
	SNPK0040	Crop Booster PLUS N as NO3 2.1%, N as NH4 2.9%, P as PO4 15.2%, Mg 0.2%, Mn 0.4%, Zn 0.4%, Cu 0.5%, Mo 0.01%, B 0.05%, Fulvic Acid 0.5%	5	15.2	2.1	-	3.96	1.30 - 1.32	<2.0	5 to 25 L/Ha	Broadacre Grain Crops apply 5 to 20 L/Ha with at least 50 L/ha Water.	For Broadacre Grain Crops apply 2 - 5 L/Ha with at least 100 L/ha Water
	GG0009	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 0.005%, B 0.02%, Fe 0.01%, Fulvic Acid 0.01%, Fish Emulsion 0.4%, Humic Acid 0.3%, Kelp 0.4%, 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	25 to 80 L/Ha	1 to 7 with 800 to 1000 L/Ha Water (Broadacre use at least 100L/Ha water)
	SNPK0036	Turbo Zinc Foliar N as NO3 10.6%, N as NH4 7.7%, N as Urea 0.7%, Zn 6.6%	19.0	-	-	-	-	1.33 - 1.34	3.0 to 4.0	5 to 10 L/Ha	5 to 25 L/Ha	1 to 5 L/Ha with 800 to 1,000 L/Ha Water (Broadacre use at least 100L/Ha water)
	GG0062	UAN, BiologiCAL PLUS & TE N as NO3 8.5%, N as NH4 8.5%, N as Urea 17%, Zn 0.4%, Cu 0.3%, B 0.05%, Fulvic Acid 0.001%, Fish Emulsion 0.04%, Humic Acid 0.03%, Kelp 0.04%, Molasses 5.5%	34.1	-	0.3	0.6	0.82	1.30 - 1.31	5.0 to 6.0	20 to 80 L/Ha	50 to 150 L/Ha	3 to 20 L/Ha in 100 to 500 L/Ha Water
	GG0064	Nitro QUAD 3 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			

Note: SL TEC has more than 200 listed formulations and can custom blend to your specific requirements.



SLTEC Fertilizers delivers:

- ✔ Performance seed dressings
- ✔ Cost effective nutrient solutions for planting
- ✔ Foliar top dress options including chelated trace elements and organic stimulants
- ✔ State of the art liquid fertilizer manufacturing technology
- ✔ An experienced agronomy team
- ✔ A wide range of nutrient blends (traditional and sustainable) to suit your specific crop needs
- ✔ Bulk fertilizer storage tanks – 5000 or 32,000 litre (rental or purchase options available)

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