



*Quality Ingredients
Australian Made
Family Owned*

Pomefruit Nutrition Program





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

Our team of agronomists can assist you to maximise the factors that are within your control and help you to achieve your production goals, while saving time and money.

www.sltec.com.au
















FERTILIZERS

Legend	
	
Fertigation	Foliar



Period 1	Period 2
Dormancy (Tree Reserves/Root Growth) <i>June - August</i>	Pre Bloom, Budbreak to Flowering <i>September - October</i>

Product Code	Name	Below is a list of some key products in the SLTEC range suitable for fruit production & suggested application timings and methods.		
Spring Start®	SS9004	SS 6:9:15	Good early season fruit growth option	
	SS9002	SS 11:16:0 + Kelp		
	SS9008	SS 7:12:5 + Zn & Kelp	High P for nursery and young tree root development	 
Green & Gro®	GG0042	Pot Phosphate		 
	GG0009	Baseline Plus	Great pre-bloom starter option	
	GG0039	Stone & Pome Fruit Blend		
	GGCB0071	K 220-Mag	High K with added Mag	
	GG0025	High KS	Fruit Fill Option	
	GG0023	Cal Nitrate & Boron		 
	GG0024	Cal Mag & Boron		 
	SNPKCB12	Biological Plus & Cal Nitrate & Boron	High Ca, Low N option for fruit firmness with soil health benefits.	
	SNPKCB20	Cal 1750	Buffered Calcium Chloride	
	SprayNPK®	SNPK0050	Boron Complex	
SNPK0031		Iron & Fulvic Acid		
SNPK0016		Manganese Complex		
SNPK0024		Manganese, Zinc & Fulvic Acid		
GG0048		Trace Element Blend 6	Excellent post-harvest option	
SNPK0046		Turbo Zinc Foliar		
Sustain & Gro®	SG0015	Bio Kelp Guardian	For Frost / Stress resistance	 
	SG0017	Biological PLUS	Late winter/early spring applications for root stimulation	 
	SG0007	Quad Shot Biostimulant		 

Further technical information on these products is given in the product tables on the following pages.

Pome Fruit

General Growth Period Timeline



Period 3	Period 4	Period 5	Period 6
Flowering to Petal Fall, Rapid Spur Leaf Expansion, (Rapid Cell Division and Enlargement) <i>October</i>	Fruit Development - Fruit Set to Fruitlet at 20mm (Thinning Period). Rapid Cell Division and Bud Initiation Period until Approx 6 weeks after Full Bloom. (After fruit 30mm, fruit expansion slows and shoot growth increases. T stage at approx 40mm, fruit approx 50% grown.) <i>November / December</i>	Maturity of Fruit and Seed. Rapid Fruit Growth Stage (Cell Enlargement Fruit fill / Maturity - Rapid Sugar Accumulation) <i>January / February / March</i>	Post Harvest - Leaf Fall, Continuation of Fruit Bud Development / Accumulation of Nutrient Reserves for Next Spring) <i>March / April / May</i>

Our aim is to take away the hassle of mixing fertiliser and to make fertigation easier for you.

Nutrient Budgeting ⁽¹⁻¹⁶⁾

Fruit Only Removal Guide	Macro Element Nutrient Removal (Kg/T)						Trace Element Nutrient Removal (g/T)					
	N	P	K	S	Ca	Mg	Zn	Fe	Cu	Mn	B	Mo
Apple/Pear	0.3-0.9	0.15	1 - 1.6	0.05	0.2	0.1	1.4	9	1.2	3.4	2	0.004
Nutrients Removed (based on 50 T / Ha Crop Yield)	30	7.5	65	2.5	10	5	70	450	60	170	100	0.2

Please consult your agronomist for specific information regarding your situation.



Product Technical Information

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)	Typical Foliar Application Rates (L/Ha) (Note: Seek Agronomic Advice for Crop Specific Rates)
Spring Start®	SS9004 SS 6:9:15 N as NH ₄ 6.2%, P as PO ₄ 8.8%	6.2	8.8	14.9	12.4	-	1.39 - 1.40	6.5 to 7.5	20 to 100 L/Ha	Tree crops : 0.25% Solution w/v. ie: 1.25 to 5L / Ha in 500 to 2,000L / Ha water depending on canopy volume.
	SS9002 SS 11:16:0 + Kelp N as NH ₄ 10.2%, P as PO ₄ 14.4%, Kelp 1.9%	10.2	14.4	0.3	-	-	1.29 - 1.30	6.0 to 7.0		
	SS9008 SS 7:12:5 + Zn & Kelp N as NH ₄ 6.7%, P as PO ₄ 11.6%, Zn 1%, Kelp 2%	7.2	11.6	5.0	-	-	1.29 - 1.31	6.0 to 7.0		
Green & Gro®	GG0042 Pot Phosphate P as PO ₄ 13.8%	-	13.8	30.1	-	-	1.48 - 1.49	7.0 to 8.0	10 to 50 L/Ha	
	GG0009 Baseline Plus N as NO ₃ 0.02%, N as Urea 11.7%, P as PO ₄ 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	1 to 7 L/Ha with 500 to 2,000 L/Ha Water
	GG0039 Stone & Pome Fruit Blend N as NO ₃ 1.4%, N as NH ₄ 4.7%, N as Urea 8.3%, P as PO ₄ 4%	14.3	4.0	8.0	6.6	-	1.27 - 1.29	7.0 to 8.0	40 to 120 L/Ha	2.5 to 10 L / Ha with 500 to 2,000L / Ha
	GGCB0071 K 220-Mag K 21.6%, Mg 1.6%	-	-	21.6	-	-	1.27	6.5 to 7.5	10 to 50 L/Ha	Tree Crops: 2.5-5L / Ha or 0.25% Solution w/v
	GG0025 High KS Potassium Thio Sulphate (KTS)	-	-	30.1	25.0	-	1.47 - 1.49	7.0 to 9.0		2.5 to 5 L / Ha with a minimum of 500 to 2,000L / Ha water. Care to be taken with KTS on sensitive crops.
	GG0023 Cal Nitrate & Boron N as NO ₃ 12.2%, B 0.2%	12.2	-	-	-	17.41	1.47 - 1.50	2.0 to 3.0	35 to 80 L/Ha	2.5 to 10 L / Ha with 500 to 2,000L / Ha depending on canopy volume.
	GG0024 Cal Mag & Boron N as NO ₃ 12.2%, Mg 3.4%, B 0.2%	12.2	-	-	-	12.05	1.47 - 1.50	2.0 to 3.0		
	SNPKCB12 Biological Plus & Cal Nitrate & Boron N as NO ₃ 6.1%, P as PO ₄ 0.1%, B 0.1%, Fulvic Acid 0.01%, Fish Emulsion 0.1%, Humic Acid 0.1%, Kelp 0.1%, Molasses 20.9%	6.3	0.1	1.0	0.9	11.86	1.38 - 1.40	4.0 to 5.0	20 to 60 L/Ha	Early season only or post Harvest / Non - bearing trees - 4 to 8 L/Ha with 500 to 2,000 L/Ha water depending on canopy volume.
	SNPKCB201 Cal 1750 Ca 17.5%	-	-	-	-	17.5	1.35 - 1.36	8.0 to 9.0	N/A	5 - 10 L/Ha with 500 - 2,000 L/Ha Water
SprayNPK®	SNPK0050 Boron Complex N as amine 6%, B 15%	6.0	-	-	-	-	1.34 - 1.38	7.5 to 8.5	5 to 10 L/Ha (Fertigated)	1 to 3 L/Ha with 500 to 2,000 L/Ha Water
	SNPK0031 Iron & Fulvic Acid Fe 8.1%, Fulvic Acid 0.5%, K 0.1%, S 4.7%	-	-	0.1	4.7	-	1.22 - 1.23	2.0 to 3.0		
	SNPK0016 Manganese Complex Mn 17.3%	-	-	-	10.6	-	1.42 - 1.44	6.0 to 7.0		
	SNPK0024 Manganese, Zinc & Fulvic Acid Mn 10%, Zn 7%, Fulvic Acid 0.5%	-	-	0.1	9.8	-	1.40 - 1.41	4.0 to 5.0		
	GG0048 Trace Element Blend 6 N as NO ₃ 2.8%, Mg 2.5%, Mn 3.3%, Zn 3.3%, Cu 0.5%, Mo 0.02%, B 0.2%, Fe 0.8%	2.8	-	-	4.4	-	1.3 - 1.31	1.0 to 2.0	10 to 20 L/Ha	3 to 7 with 500 to 2,000 L/Ha Water
	SNPK0036 Turbo Zinc Foliar N as NO ₃ 10.6%, N as NH ₄ 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	1 to 5 L/Ha with 500 to 2,000 L/Ha Water
Sustain & Gro®	SG0015 Bio Kelp Guardian Magnesium (Mg): 0.05% w/v Sodium (Na): <0.15% w/v Chloride (Cl): <0.15% w/v Kelp: 22.4% w/v	0.1	1.1	4.2	-	-	1.05 - 1.1	10 to 11	5 to 20 L/Ha with 100 to 400 L/Ha water	Apply 2 to 5 L/Ha with 500 to 2,000 L/Ha water
	SG0017 BiologiCAL PLUS N as NO ₃ 0.3%, P as PO ₄ 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	Early season only or post Harvest / Non - bearing trees - 4 to 8 L/Ha with 500 to 2,000 L/Ha water depending on canopy volume.
	SG0007 Quad Shot Biostimulant N as NO ₃ 0.4%, P as PO ₄ 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	Early season only or post Harvest / Non - bearing trees - 1 to 4 L/Ha with 500 to 2,000 L/Ha water depending on canopy volume.

Additional Products

Additional Products												
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)	Typical Foliar Application Rates (L/Ha) (Note: Seek Agronomic Advice for Crop Specific Rates)		
Green & Gro®	TL0021	Turbo N K N as NO ₃ 1.2%, N as NH ₄ 1.2%, N as Urea 15.1%	17.6	-	17.7	14.7	-	1.33 - 1.34	7.0 to 8.0	20 to 60 L/Ha with 400 to 1,200 L/Ha Water	1 to 7 L/Ha with 500 to 2,000 L/Ha Water	
	GG0011	Horti Growth Spurt N as NH ₄ 0.6%, N as Urea 8.6%, P as PO ₄ 7.1%, K 14.1%, S 0.3%, Ca 0.004%, Zn 0.4%, Cu 0.05%, Mo 0.02%, Fe 0.1%, Kelp 1%	9.2	7.1	14.1	0.3	0.004	1.32 - 1.33	6.5 to 7.5	30 to 70 L/Ha		
	GGCB0087	Baseline Plus (Phosphonic Acid) N as NO ₃ 0.02%, N as Urea 11.8%, P as PO ₄ 2.5%, P as Phosphonic Acid 2.4%, Mg 0.2%, Mn 0.01%, Zn 0.01%, Cu 0.01%, B 0.02%, Fe 0.01%, Fulvic Acid 0.01%, Fish Emulsion 0.4%, Humic Acid 0.3%, Kelp 0.4%, Molasses 0.4%	11.8	4.9	13.7	2.0	0.01	1.28 - 1.29	7.5 to 8.5			
	GGCB0003	K 240 A no nitrogen, no sulphur, high K or fruit fill	-	-	23.7	-	-	1.25 - 1.26	7 to 8	10 to 50 L/Ha		Tree Crops, 2.5-5L / Ha or 0.25% Solution w/v
	GGCB0016	High K P P as PO ₄ 12.2%	-	12.2	36.5	-	-	1.55 - 1.57	12 to 13			
	GG0020	Calcium Ammonium Nitrate (CAN24) N as NO ₃ 15.4%, N as NH ₄ 8.8%	24.2	-	-	-	9.46	1.44 - 1.45	5.0 to 6.0	35 to 80 L/Ha		5 to 10 L/Ha in 500 to 2,000 L/Ha Water
	GGCB0081	UAN & 20% Quad Shot N as NO ₃ 8.6%, N as NH ₄ 8.5%, N as Urea 17.1%, P as PO ₄ 0.3%, Fe 0.01%, Fulvic Acid 0.05%, Fish Emulsion 1.5%, Humic Acid 1.3%, Kelp 1.5%, Molasses 1.5%	34.2	0.3	0.5	-	0.02	1.27 - 1.28	4.0 to 6.0	20 to 80 L/Ha		3 to 20 L/Ha in 500 to 2,000 L/Ha
	GG0041	Calcium Carboxylate No N plant available calcium	-	-	-	-	6.02	1.12 - 1.14	6.0 to 7.0	35 to 80 L/Ha		Apply 4 to 8 L/Ha with 500 to 2,000 L/Ha water
SprayNPK®	SNPK0013	Mag K Plus Mg 4.9%, Fulvic Acid 0.5%, Kelp 1%	0.01	0.005	9.5	7.7	0.00	1.29 - 1.33	5.5 to 6.5	25 to 60 L/Ha	1 to 7 L/Ha with 500 to 2,000 L/Ha Water	
	SNPK0035	Zinc, Manganese & Iron Combo Mn 2.8%, Zn 4.5%, Fe 0.6%	-	-	-	4.0	-	1.20 - 1.21	5.0 to 6.5	5 to 10 L/Ha (fertigated)	1 to 5 L/Ha with 500 to 2,000L/Ha Water	
	SNPK0027	Iron, Manganese & Fulvic Acid Mn 5.1%, Fe 5.2%, Fulvic Acid 0.5%	-	-	0.1	6.2	-	1.26 - 1.27	2.0 to 3.0		1 to 3 L/Ha with 500 to 2,000 L/Ha Water	
Sustain & Gro®	SG0011	Fulvic Acid 10% Solution Fulvic Acid 10%	-	-	2.4	-	-	1.05 - 1.07	5.0 to 5.5	N/A	Apply 1.5 to 2.5 L/Ha. Mix with liquid fertilisers or herbicides at 0.25% concentration (1 L 10% fulvic acid to 400 L water or nutrient solution) before application	
	SG0016	Potassium Humate 26% Solution Mg 0.03%, Mn 0.001%, Zn 0.001%, Cu 0.001%, Fe 0.01%, Si 0.1%, Fulvic Acid 1%, Humic Acid 25%	0.1	0.0	6.0	0.1	0.03	1.1 - 1.12	10.0 to 11.0	2 to 15 L/Ha	N/A	

SLTEC provide a wider range of fertigation solutions and custom blends than can be illustrated here. Contact us for more information on a product that will best suit your needs, including a full range of standard soluble solids such as bagged Calcium Nitrate, MAP, MKP, Potassium Nitrate, Lo-Biuret Urea, Magnesium Sulphate, Magnesium Nitrate to name a few. If you require a complete compound broadcasting fertiliser - NPK plus trace, look no further than BASELINE BLUE.

Crop Removal Estimate Reference:

- | | |
|---|---|
| (1) D Blaesing, RMCG - Huon Fruit Growers Trials 07/08 | (9) Dierend et al 2000 |
| (2) D Blaesing, RMCG - Huon Fruit Growers Trials 08/09 | (10) Removal data for pome fruit (J.Glendinning pers.comm.) |
| (3) Australian Soil Fert Manual - Price CSIRO 2004 - 3rd Ed | (11) Wills (1987) |
| (4) 1999 IDFTA meeting in Hamilton Ontario Dr. Wolfgang Drahorad | (12) P. Moody (pers. comm.) and DPI Nutrition Workshop 1993 |
| (5) North Carolina State University 2008 | (13) Gurney (1937). Edible portion. |
| (6) Lailiang Cheng, Cornell University, Geneva, New York. (from GoodFruitGrower Aug 2010) | (14) B.Goldspink (pers.comm) |
| (7) Estimate based on figures from FruitfedManual NZ 1985 | (15) Sparrow and Temple-Smith (1988) |
| (8) International Plant Nutrition Institute 2010 | (16) P.Jerie (pers.comm) |

Disclaimer:

Interpretations and recommendations given here are a guide only. The recommendation is made in good faith, based on the best technical information available. Additionally, environmental and managerial factors influence 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 takes these interpretations and recommendations on these terms.



FERTILIZERS

For more information about this Product Advisory or any of our products or services:

Call the SLTEC Team

Sustainable Liquid Technology Pty Ltd

Free Call: 1800 768 224

Phone: 03 5859 1323

Fax: 03 5859 1363

2055 Finlay Road,
TONGALA

VICTORIA 3621

PO Box 43,

TONGALA

VICTORIA 3621

Email: enquiries@sltec.com.au

Web: www.sltec.com.au

ABN: 632 340 733 78 ACN: 113 670269

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Resources

The following additional resources are available via our website (www.sltec.com.au) or by calling 1800 768 224

- SpringStart® Product Advisory
- Green & Gro® Product Advisory
- SprayNPK® Product Advisory
- Sustain & Gro® Product Advisory
- Turf & Landscape® Product Advisory
- Fertigation Tank & Accessories Product Advisory
- Balanced Agronomy Services Advisory
- SLTEC Agronomist and Customer Service Support

SLTEC Fertilizers Deliver:

- Performance Seed Dressings
- Cost Effective Nutrient Solutions for Planting
- Foliar Top Dress Options including Chelated Trace Elements and Organic Stimulants
- An Experienced Agronomy Team
- A wide range of nutrient blends (traditional and sustainable), to suit your specific crop needs
- State of the Art Liquid Fertilizer Manufacturing Technology
- Bulk Fertilizer Storage Tanks – 5,000 L to 32,000 L (rental or purchase options available)



Tim Brown
Regional Agronomist - Sunraysia/
Riverland
0407 318 813
E: tim.brown@sltec.com.au

Andrew Hall
Regional Agronomist
TAS/Sth VIC
M: 0447 317 011
E: andrew.hall@sltec.com.au

Brad McMaster
Regional Agronomist SA
0407 317 242
E: brad.mcmaster@sltec.com.au

Jamie McMaster
Senior Agronomist
0407 317 288
E: jamie.mcmaster@sltec.com.au

Phil Peterson
Regional Manager - NSW
0407 317 713
E: phil.peterson@sltec.com.au

James Scambler
Logistics Coordinator
0407 117 189
E: james.scambler@sltec.com.au

Steven Thomas
Regional Agronomist
Goulburn Valley
M: 0437 317 020
E: steven.thomas@sltec.com.au