



**Quality Ingredients  
Australian Made  
Family Owned**

# Cherry & Stonefruit 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](http://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		
Sustain & Gro®		SNPK0046	Turbo Zinc Foliar **			
		SG0015	Bio Kelp Guardian	For Frost / Stress resistance		
		SG0017	BiologiCAL PLUS	Late winter/early spring applications for root stimulation		
	SG0007	Quad Shot Biostimulant				

**\*\* Warning** - many stonefruit varieties are sensitive to foliar zinc sprays. In particular do not apply foliar zinc or products containing zinc to the foliage of Apricots outside of dormancy.

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

# Stonefruit

## General Growth Period Timeline



Period 3	Period 4	Period 5	Period 6
<b>Stage I - Beginning at Full Bloom -Rapid Growth, Flowering and Fruit Set (Rapid Cell Division and Enlargement)</b> <i>October - November</i>	<b>Stage II - Schuck fall through to Pit/Stone hardening. (Fruit Growth slows and shoot growth is rapid)</b> <i>November - December depending on variety</i>	<b>Stage III - Rapid Fruit Growth Stage (Cell Enlargement, Fruit Fill / Maturity - Rapid Sugar Accumulation and Start of Bud Initiation)</b>	<b>Post Harvest (Before Leaf Fall) Continuation of Fruit Bud Development / Accumulation of Nutrient Reserves for Next Spring)</b> <i>January -&gt; April</i>

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


### Nutrient Budgeting <sup>(1-15)</sup>

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
Peach / Cherry	1.2 - 1.75	0.2	1.7-2.5	0.1	0.15	0.15	1.5	9	0.4	1	3	0.05
Nutrients Removed (based on 20T / Ha Crop Yield)	30	4	42	2	3	3	30	180	8	20	60	1

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®	<b>SS 6:9:15</b> N as NH <sub>4</sub> 6.2%, P as PO <sub>4</sub> 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.
	<b>SS 11:16:0 + Kelp</b> N as NH <sub>4</sub> 10.2%, P as PO <sub>4</sub> 14.4%, Kelp 1.9%	10.2	14.4	0.3	-	-	1.29 - 1.30	6.0 to 7.0		
	<b>SS 7:12:5 + Zn &amp; Kelp **</b> N as NH <sub>4</sub> 6.7%, P as PO <sub>4</sub> 11.6%, Zn 1%, Kelp 2%	7.2	11.6	5.0	-	-	1.29 - 1.31	6.0 to 7.0		
Green & Gro®	<b>Pot Phosphate</b> P as PO <sub>4</sub> 13.8%	-	13.8	30.1	-	-	1.48 - 1.49	7.0 to 8.0	10 to 50 L/Ha	
	<b>Baseline Plus **</b> N as NO <sub>3</sub> 0.02%, N as Urea 11.7%, P as PO <sub>4</sub> 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
	<b>Stone &amp; Pome Fruit Blend</b> N as NO <sub>3</sub> 1.4%, N as NH <sub>4</sub> 4.7%, N as Urea 8.3%, P as PO <sub>4</sub> 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
	<b>K 220-Mag</b> 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
	<b>High KS</b> 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.
	<b>Cal Nitrate &amp; Boron</b> N as NO <sub>3</sub> 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.
	<b>Cal Mag &amp; Boron</b> N as NO <sub>3</sub> 12.2%, Mg 3.4%, B 0.2%	12.2	-	-	-	12.05	1.47 - 1.50	2.0 to 3.0		
	<b>Biological Plus &amp; Cal Nitrate &amp; Boron</b> N as NO <sub>3</sub> 6.1%, P as PO <sub>4</sub> 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.
	<b>Cal 1750</b> 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®	<b>Boron Complex</b> N as amine 6%, B 15%	6.0	-	-	-	-	1.34 - 1.38	7.5 to 8.5	5 to 10 L/Ha (Fertigated)
<b>Iron &amp; Fulvic Acid</b> 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		
<b>Manganese Complex</b> Mn 17.3%		-	-	-	10.6	-	1.42 - 1.44	6.0 to 7.0		
<b>Manganese, Zinc &amp; Fulvic Acid **</b> Mn 10%, Zn 7%, Fulvic Acid 0.5%		-	-	0.1	9.8	-	1.40 - 1.41	4.0 to 5.0		
<b>Trace Element Blend 6 **</b> N as NO <sub>3</sub> 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
<b>Turbo Zinc Foliar **</b> N as NO <sub>3</sub> 10.6%, N as NH <sub>4</sub> 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®	<b>Bio Kelp Guardian</b> 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
	<b>Biological PLUS</b> N as NO <sub>3</sub> 0.3%, P as PO <sub>4</sub> 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.
	<b>Quad Shot Biostimulant</b> N as NO <sub>3</sub> 0.4%, P as PO <sub>4</sub> 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

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)	
TL0021	<b>Turbo N K</b> N as NO <sub>3</sub> 1.2%, N as NH <sub>4</sub> 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	<b>Horti Growth Spurt **</b> N as NH <sub>4</sub> 0.6%, N as Urea 8.6%, P as PO <sub>4</sub> 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	<b>Baseline Plus (Phosphonic Acid) **</b> N as NO <sub>3</sub> 0.02%, N as Urea 11.8%, P as PO <sub>4</sub> 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	<b>K 240</b> 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	<b>High K P</b> P as PO <sub>4</sub> 12.2%	-	12.2	36.5	-	-	1.55 - 1.57	12 to 13			
GG0020	<b>Calcium Ammonium Nitrate (CAN24)</b> N as NO <sub>3</sub> 15.4%, N as NH <sub>4</sub> 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	<b>UAN &amp; 20% Quad Shot</b> N as NO <sub>3</sub> 8.6%, N as NH <sub>4</sub> 8.5%, N as Urea 17.1%, P as PO <sub>4</sub> 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	<b>Calcium Carboxylate</b> 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
SNPK0013	<b>Mag K Plus</b> 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	<b>Zinc, Manganese &amp; Iron Combo **</b> 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 2,000 L/Ha Water	
SNPK0027	<b>Iron, Manganese &amp; Fulvic Acid</b> 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	
SG0011	<b>Fulvic Acid 10% Solution</b> 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	<b>Potassium Humate 26% Solution</b> 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) Australian Soil Fert Manual - Price CSIRO 2004 - 3rd Ed (From - Huett DO and Stewart GR 1999)
- (2) A Manual for Producing Stone Fruits in Tasmania - Tas Dept Prim Industry 2001
- (3) Estimate based on figures from FruitfedManual NZ 1985
- (4) International Plant Nutrition Institute 2010
- (5) Blaesing RMCG - 08/09 (Lapin / Simone Sweet Cherry) - Huon Fruit Growers Group.
- (6) Azarenko - 2002
- (7) <http://plants.usda.gov/npk/>
- (8) Estimate based on figures from Fruitfed Manual NZ 1985
- (9) Thomas and Corden (1977)
- (10) Wills et.al (1983) / Wills (1987)
- (11) D. Reuter and A.Beech (unpub data) for marketed whole fruit analysis
- (12) Taylor and van den Ende (1970) Skin and flesh
- (13) Taylor and van den Ende (1970) Endocarp
- (14) McPharlin (pers. comm.)
- (15) B.Goldspink (pers.comm) Edible portion

### 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

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### Resources

The following additional resources are available via our website ([www.sltec.com.au](http://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)



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