



V¹² Biostimulant range



Andermatt
Madumbi



V¹² Foliars

(*V¹² Multi*[®], Reg. No. B4512 and *V¹² Micro*[®] Reg. No. K4512, Act 36 of 1947)

V¹² Foliars provide balanced nutritional support, stimulate healthy growth, fight stress and combat deficiencies.

Why use *V¹² Foliars*?

- Soil applied nutrition supplies the bulk of a crops nutritional needs however soil and root conditions may not always be optimal for uptake or requirements may exceed supply.
- *V¹² Foliars* offer an effective means to supply broad spectrum nutrition and ensure against shortfalls.
- Quickly address a range of deficiencies.
- Provide luxury levels of nutrition during critical growth phases.
- Reduce and combat plant stress.

What are *V¹² Foliars*?

- A range of nutrition products designed to supply luxury levels of nutrition to protect against yield limiting deficiencies.
- Kelp and fulvic acid provide a natural base to the formulations and support the use of the products with Andermatt Madumbi's various microbial products.
- A full spectrum of micronutrients ensure against any possible deficiencies.
- Natural amino acid chelation ensures optimum delivery of plant nutrients.
- Ideal for use as recovery tonics to revitalise stressed or deficient crops or incorporate into your Integrated Fertiliser Management Program to provide well balanced foliar feeding.

<i>V¹² Multi</i> [®]	<i>V¹² Micro</i> [®]
<ul style="list-style-type: none"> • The all in one foliar fertiliser • N, P and K plus a full range of micronutrients 	<ul style="list-style-type: none"> • Luxury levels of micronutrients • Ideal for resolving unidentified deficiencies



V¹² Stage Nutrition

(*V¹² Initiate*, Reg. No. B4513; *V¹² Shoot*, Reg. No. B4510; *V¹² Fruit*, Reg. No. B4511; *V¹² Finish*[®], Reg. No. K9557; Act 36 of 1947)

The *V¹² Stage Nutrition* range offers plant vitality and nutrient solutions to support and optimise targeted growth phases.

Why use *V¹² Stage Nutrition*?

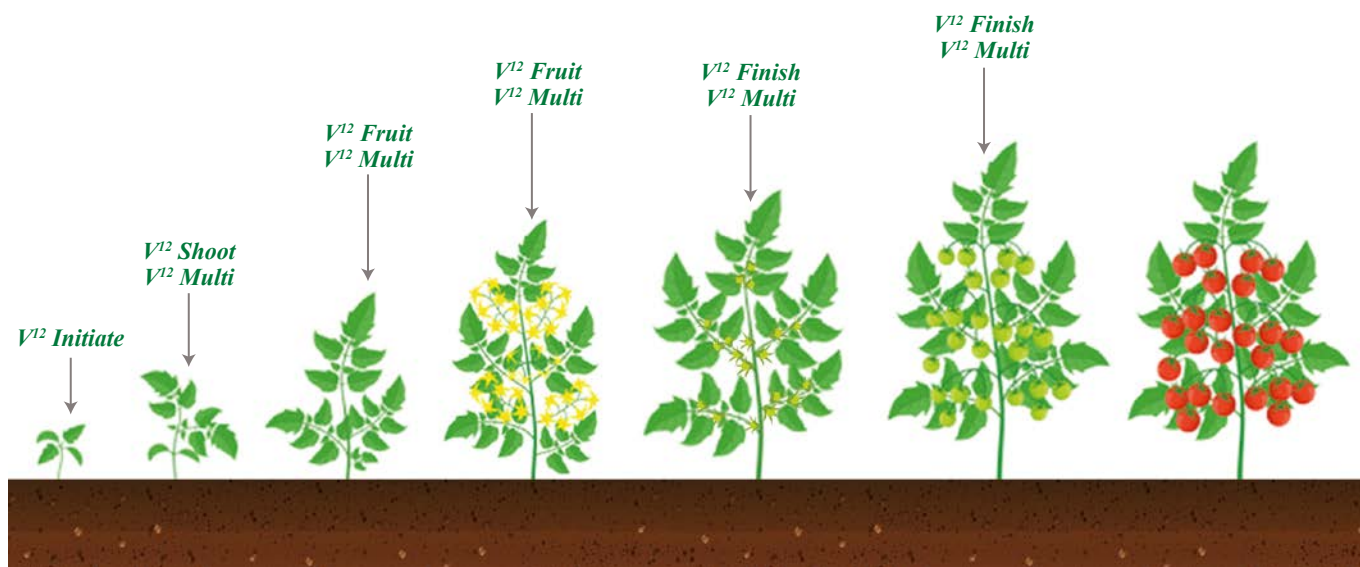
- Each growth stage has its own unique nutritional needs.
- *V¹² Stage Nutrition* provides tailored nutritional support for each growth stage reducing stress and preventing stage related deficiencies.
- An easy to follow nutritional support program for any crop.
- Optimise development in each growth phase to optimise yield potential.

<i>V¹² Initiate</i>	<i>V¹² Shoot</i>
<ul style="list-style-type: none"> • Nutrition for germination and early growth phases • Improve rate of seedling emergence and produce a more even crop stand • Improve seedling vigour and strength • Set the platform for optimum yield 	<ul style="list-style-type: none"> • Support and stimulate vegetative growth and photosynthesis • Improve chlorophyll levels • Protect against oxidative stress • Optimise production capacity of the crop
<i>V¹² Fruit</i>	<i>V¹² Finish</i> [®]
<ul style="list-style-type: none"> • Optimise fruit development • Improve pollination success • Reduce flower and fruit drop • Produce more even, well-sized fruit • Improve fruit quantity and quality 	<ul style="list-style-type: none"> • Optimise fruit fill and quality • Assist the plant in achieving maximum yield potential • Improve fruit size and quality

What is *V¹² Stage Nutrition*?

- A nutritional range tailored to stimulate and optimise each major growth phase of a crop.
- Amino acids not only chelate but also support each growth stage.
- Nutrients have been carefully selected for optimum benefit.
- Boron, calcium, silica and micronutrients in *V¹² Initiate* support rapid growth in the early stages.
- Magnesium and iron in *V¹² Shoot* support photosynthesis during vegetative growth.
- High levels of boron in *V¹² Fruit* aid in the production of pollen and to reduce deficiencies associated with flower and fruit drop.
- Targeted amino acid tryptophan plus potassium and phosphorus in *V¹² Finish*[®] assists fruit full ensuring maximum yield potential is achieved.

V¹² Biostimulant range



Biostimulants in summary

Product	Macro Biostimulants				Micro Biostimulants		Amino Acids						Vitamins				
	Kelp	Fulvic Acid	Protein Hydrolysate	K Ligno-sulphanate	Triacantanol	Brassinolide	TRP	GLY	GLU	PRO	LYS	MET	ARG	C	E	B1	B6 +12
V¹² Initiate	✓	✓	✓	✓													
V¹² Shoot	✓		✓		✓			✓	✓					✓		✓	
V¹² Fruit	✓		✓			✓				✓	✓	✓					
V¹² Finish®	✓		✓				✓						✓				
V¹² Multi®	✓	✓	✓		✓									✓	✓	✓	
V¹² Micro®	✓	✓	✓														

Product	Macro elements (g/kg)						Micro elements (mg/kg)						
	N	P	K	Ca	Mg	S	Si	Fe	Zn	Cu	Mo	Mn	B
V¹² Initiate			2.86	74.8	1.76	63.83	69700	3323	23145	222	41	18357	4043
V¹² Shoot	10				10.78	31.94		24000			4520	5742	
V¹² Fruit	8.8					2.9						20500	
V¹² Finish®	6	90	202										
V¹² Multi®	75.1	79.92	92.46		0.34	3.72		1712	534	175	39	348	252
V¹² Micro®	11.66		15.12		6.86	35.6		30411	14030	4075	741	11869	6300

All products in the V¹² Biostimulant range are registered by Andermatt Madumbi (Pty) Ltd, Postnet Suite 20, Private Bag X6011, Hilton, 3245. Reg. No. 2009/020798/07. Details as follows:
V¹² Initiate, Reg. No. B4513; **V¹² Multi®**, Reg. No. K4512; **V¹² Micro®**, Reg. No. B4514;
V¹² Shoot, Reg. No. B4510; **V¹² Fruit**, Reg. No. B4511; **V¹² Finish®**, Reg. No. K9557;
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Healthy Food and Healthy Environment, for all



Andermatt Madumbi (Pty) Ltd

T: +27 (0) 33 342 3984

E: support@anderlatt.co.za

W: www.anderlatt.co.za