As global leaders, our integrated solutions for root health, plant vitality and bio crop protection, are supported in the field through our local team of biological experts.





includes fungi, bacteria, baculoviruses and plant extracts, all playing a vital role in a successful IPM approach.

> **Plant Vitality:** Natural plant growth stimulants, often in combination with holistic nutritional supplementation. Improves the overall health of the crop, builds stress tolerance, supports and stimulates various stages of plant growth.

> > Root Health: Boosts vigorous, healthy root systems which maximises use of available nutrients and water. Stronger vegetative growth is achieved whilst plants also exhibit increased pest and disease resistance.



Andermatt Madumbi is a uniquely positioned South African company, developing biological solutions to change the future of farming and food. Our team is supported by some of the greatest minds around the world in the biological and agricultural space.

We form partnerships with our clients - big and small - to find dependable, long-term, biological solutions for bigger yields, healthier crops, and a sustainable future. It is these partnerships that build trust and help us to develop biorationals that will change the way we look at food, for all, for generations to come.



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Plant Vitality

Root Health

Plant Vitality



	Product: Reg. No. Act No.	36 of 1947	7 Available in:	Description:	Comments:
Mineral Biostimulant Range	AgriSil® K50	B3756	1 L, 5 L, 20 L, 1000 L	A specially formulated potassium silicate designed to supply high levels of plant available silica.	
	EcoSun	n/a	20 kg	A new generation sunscreen providing efficient and effective sunburn protection.	
	Fulvic Acid Liquid	M342	5 L, 20 L, 1000 L	Concentrated, high quality extracts of fulvic acid. For application with granular fertilisers as a soil application, or via foliar or irrigation systems.	
	Fulvic Acid Powder	M341	1 kg, 5 kg, 25 kg		
	Humate Crystals	M345	5 kg, 25 kg	Concentrated, high quality extracts of humic acid sourced from ancient Leonardite deposits. Available in a highly concentrated granule and liquid formulation.	
	Humate Liquid	M344	5 L, 20 L, 1000 L		
	Foliar-K	K9558	1 kg, 5 kg 25 kg	Provides plant available potassium in a chloride-free formulation especially designed for foliar application on crops with a sensitivity to chloride	
Microbial	RhizoVital® 42	B4201	40 ml, 500 ml, 1 L, 5 L, 20 L	Highly concentrated liquid formulation of the beneficial bacterium, <i>Bacillus amyloliquefaciens</i> strain FZB42.	
	Cell-Tech® Liquid Soybean	L9611	3.1 L, 12.4 L	Bacterial legume inoculant for effective nitrogen fixation on soybeans (Glycine max). Active Ingredient: Bradyrhizobium japonicum minimum 2 x 10 ⁹ cfu/g.	
V¹² Range	V ¹² Finish®	K9557	1 L, 5 L, 20 L	Plant nutrition tailored to support the crop during the final stages of reproductive growth, fruit fill and ripening.	
	V ¹² Fruit	B4511	1 L, 5 L, 20 L	A unique high-quality foliar feed with boron for use during the flowering and fruiting phase of crop growth.	
	V ¹² Initiate®	B4513	1 kg, 5 kg 30 kg, 1000 kg	Plant nutrition, including slow-release calcium and silica, specially to support the crop during germination and initial crop growth stages or during periods of root flushes.	
	V ¹² Micro®	B4514	1 L, 5 L, 20 L, 1000 L	Plant nutrition formulated to contain a broad spectrum of micro elements to quickly and effectively prevent or combat a range of micronutrient deficiencies.	
	V ¹² Multi®	K4512	1 L, 5 L, 20 L, 1000 L	A high-quality, all-in-one vitality formulation, incorporating a full spectrum of plant-available nutrients to support crops through all growth stages, particularly during stress or high demand.	
	V ¹² Shoot	B4510	1 L, 5 L, 20 L, 1000 L	A high-quality foliar feed incorporating essential micronutrients such as Mg; Mn; Fe and Mo, tailored to support and optimise plant growth and vitality, particularly during periods of vegetative growth.	

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Bio Crop Protection







Crop:

	Product: Reg. No. Act No.	36 of 1947	Available in:	Description:	Comments:
	Amylo-X® WG	L0051	1 kg, 30 kg	A preventative biofungicide containing <i>Bacillus</i> amyloliquefaciens strain D747 (5 x 10 ¹⁰ CFU/g) for the suppression of Powdery mildew on cucurbits, Powdery and Downy mildew and Botrytis on table and wine grapes.	
	AmyProtec® 42	L10665	500 ml, 1 L, 5 L	A biological bactericide containing <i>Bacillus</i> amyloliquefaciens strain FZB42 (2,5 x 10 ¹⁰ spores/ml) for the reduction of <i>Pectobacterium/Dickeya</i> spp. (originally <i>Erwinia</i> spp.) causing Bacterial soft rot and Black leg on potatoes.	
	BioCarb-K ECOCERT	L11339	1 kg, 5 kg 25 kg	A potassium bicarbonate (990 g/kg) fungicide for the suppression of <i>Botrytis</i> and Powdery mildew on table and wine grapes and Powdery mildew on cucurbits.	
ent	Double Nickel® 55	L10053	100 g, 1 kg, 30 kg	A preventative biofungicide containing <i>Bacillus amyloliquefaciens</i> strain D747 (5 x 10 ¹⁰ CFU/g) for the suppression of Powdery mildew on cucurbits, Powdery and Downy mildew and Botrytis on table and wine grapes.	
Disease Management	Eco-77® ECOCETT	L7495	250 g, 1 kg, 5 kg	A biofungicide containing <i>Trichoderma atroviride</i> strain 77B (2 x 10 ⁹ spores/g) for the protection of pruning wounds on grape vines against <i>Eutypa</i> , and suppression of <i>Botrytis</i> on crops as specified on the label.	
)isease l	Eco-T® (ECOCET)	L6938	40 g, 250 g 1 kg, 5 kg	A fungal inoculant (active: <i>Trichoderma asperellum</i> strain kd $(2 \times 10^9 \text{spores/g})$) for the suppression of crop root diseases and for enhanced growth of crops.	
	Eco-T® Ezi-Flo	L9276	500 kg 1 kg, 4 kg	A graphite and talc-based formulation of <i>Trichoderma</i> asperellum strain kd (2 x 10° spores/g). A complete application solution for mechanical planters that combines the benefits of Eco-T° with seed lubricants for optimum planting efficiency.	
	FytoSave®	L10052	10 L	Preventative biofungicide (active: Chito-oligosaccharides and Oligo-galacturonic acid complex (Oligosaccharide complex) (12.5 g/L)) for stimulation of plant defences against Powdery mildew on cucurbits, and Powdery and Downy mildew on table grapes.	
	Fyto-11	L10054	10 L	Preventative biofungicide (active: Chito-oligosaccharides and Oligo-galacturonic acid complex (Oligosaccharide complex) (12.5 g/L)) for stimulation of plant defences against Powdery mildew on cucurbits, and Powdery and Downy mildew on table grapes.	
	Bolldex®	L8895	500 ml, 1 L	Helicoverpa armigera Nucleopolyhedrovirus (HearNPV), (7.5 x 10 ¹² OBs/L) suspension concentrate formulation for the biological reduction of African bollworm (Helicoverpa armigera) larvae on all crops.	
ment	Cryptex®	L8037	500 ml, 1 L	Cryptophlebia / Thaumatotibia leucotreta Granulovirus (CrleGV) (2 x 101º OBs/ml) suspension concentrate formulation for the biological reduction of False codling moth larvae (Cryptophlebia leucotreta) on crops as stipulated on the label.	
Pest Management	Delfin® WG	L9761	100 g, 1 kg, 30 kg	Bacillus thuringiensis subspecies kurstaki strain SA-11 (32 000 IU/mg) in a flowable granule formulation for the suppression of a variety of pests on crops as stipulated on the label.	
	Eco-Bb®	L8469	40 g, 300 g, 1 kg, 5 kg	A bioinsecticide (Active: Beauveria bassiana strain R444 (min. 2×10^9 spores/g)) for the suppression of a variety of pests on a wide range of crops as stipulated on the label.	
	Madex®	L7950	500 ml	Cydia pomonella Granulovirus (CpGV) (3 x 10 ¹⁰ OBs/ml) suspension concentrate formulation for the biological reduction of Codling Moth larvae (Cydia pomonella) on apples and pears.	

