



PROPTECTM

horticultural products



2021 CATALOGUE



Welcome

What's New

At Proptec, we have been busy! Our Catalogue has expanded again with new, innovative and sustainable products for professional growers in the field of horticultural propagation.

To kick off I'm pleased to introduce the **TopMix** range (p.5) of soil medias suitable for propagation trays to pots as well as larger container medias for hydroponics and horticultural cropping. Our experience in formulating media for Ellepots and specific seed plug crops is available to you.

New to the Ellepot tray range are stackable injection moulded **Proptek** trays for 35mm and 50mm Ellepots (p.14). These durable air trays pay for themselves in a few years and result in a superior plant. New machines now enable us to produce **Ellepots** in sizes ranging from 20mm – 50mm in 5mm increments, and from 70mm – 120mm on our Jumbo machine (p.4).

The **Quick Plug** range is expanded to include the coir based **Xtract plug** (p.31). These arrive preloaded and loose fitting into the trays ranging in size from 22mm – 30mm plugs.

In keeping with our aim to find innovative, eco-friendly products, a range of Hemp based **Grow Cubes** and **Microgreen Grow Mats** are 100% biodegradable in the soil (p.40).

Look out for the expanded range of **Greencare soluble fertilisers** (p.48). Not only do we have specifically formulated plug starter and plug boosters, but finishing formulas for flowering annuals and perennials as well.

Our light weight plug tray range has grown to cater to every need. Check our new **105 Air Tray** for Ellepots (p.12). This industry standard tray is perfect for improved roots and performance.



Brad Skinner
Managing Director

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A SUSTAINABLE ALTERNATIVE TO PLASTIC BAGS



THE ELLEPOT GROWBAG AND AIR TRAY

At Ellepot, we aim to help our customers save money by becoming more efficient and productive, and to grow greener by helping eliminate plastic pots and bags in propagation.

Suitable for:

- Greenlife industry — Nursery, Landscape.
- Commercial Fruit and Nut growers.
- and more...

1 | ELLEPOT MACHINES



2 | ELLEPOT PAPER

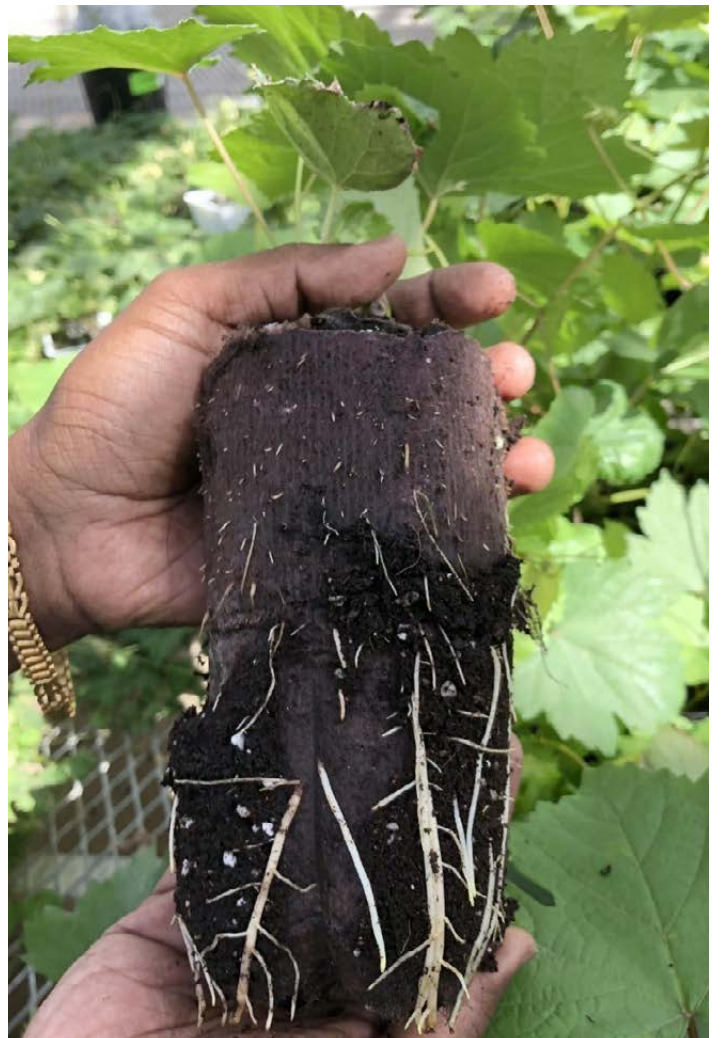


3 | PREFILLED ELLEPOT AIR TRAYS



4 | ELLEPOT SPARE PARTS





The Ellepot System is a unique propagation system suitable for propagation of cuttings and seeds for young plants, potted plants, cut flowers, nursery stock, forest plants, and vegetables.

Prefilled Trays

A unique propagation method. Ellepot is an eco-friendly growing system, which helps to grow larger and healthier roots, creating high-quality plants and eliminating the need for plastic.

Grower benefits

- Faster and healthier root development
- Higher yield per plant
- Faster transplanting and handling
- All natural paper and fully sustainable solution

Ellepots are root, air, and water permeable and made from all natural and environmentally friendly paper which degrades naturally and will not harm the environment. This ensures natural and fast root development resulting in the highest quality plants. Finally, the Ellepot system helps reducing logistics and labour costs through easier and faster transplanting, eliminates transplant shock, and increases plant quality, health and structure.

Freight

- Prices are FOB Ormiston QLD
- PROPTec can ship to any Australian destination
- Allow 3-4 weeks for delivery depending on the season
- Shipped on pallets, bins, carts and cartons

Storage

- Ellepots are made to order and need to be used soon after they arrive
- Storage is not recommended beyond 8 weeks
- Certain conditions may warrant shorter or longer storage times



ELLEPOT TRAYS ON PALLET

- Standard packaging for Ellepot Prefilled Trays.

ELLEPOT TRAYS IN CARTONS

- Small quantities of Ellepot Prefilled Trays are sent in cartons.



ELLEPOT JUMBO TRAYS ON TROLLEYS

- Jumbo Ellepot Prefilled Trays can be shipped on trolleys



CORPACK SYSTEM

- Corpack Pallet is charged out at cost on invoice, as pallets are to be returned to Ormiston.
- Once pallet is returned a credit is raised to settle the balance.
- Corpack can be used for Ellepots prefilled in trays or Loose Ellepot pots.

PROPTec CODE	TRAY	TRAY TYPE	ELLEPOT SIZE	ELLEPOT VOLUME	PACKAGING (Trays / Ellepots)	
		PALLET	CARTON			
AIR TRAYS						
ELL-PM-128at50	128at50	Air tray	25 x 50mm	24.5cc	248 / 31,744	8 / 1024
ELL-PM-105at40	105at40	Air tray	25 x 43mm	21.1cc	320 / 33,600	11 / 1155
ELL-PM-72at70	72at70	Air tray	30 x 70mm	49.46cc	216 / 15,552	6 / 432
ELL-PM-50at45	50at45	Air tray	40 x 45mm	56.55cc	280 / 14000	10 / 500
ELL-PM-36at115	36at115	Air tray	45 x 115mm	182.28cc	120 / 4320	4 / 144
ELL-PM-32at60	32at60	Air tray	50 x 60mm	117.81cc	216 / 6912	8 / 256
ELL-PM-32at110	32at110	Air tray	50 x 110mm	215.98cc	128 / 4096	4 / 128
ELL-PM-18at135	18at135	Air tray	70 x 135mm	519.54cc	120 / 2160	4 / 72
ELL-PM-10at160	10at160	Air tray	80 x 160mm	804.25cc	132 / 1320	3 / 30
ELL-PM-10at200	10at200	Air tray	80 x 200mm	1005.31cc	96 / 960	N/A
ELL-PM-08at100	08at100	Air tray	100 x 100mm	785.4cc	192 / 1536	N/A
ELL-PM-08at160	08at160	Air tray	100 x 160mm	1256.64cc	132 / 1056	N/A
ELL-PM-06at160	06at160	Air tray	120 x 160mm	1809.56cc	100 / 600	N/A
ELLEPOT TRAYS						
ELL-PM-162ep20	162ep20	Ellepot tray	20 x 45mm	14.13cc	320 / 57,840	11 / 1782
ELL-PM-128ep25	128ep25	Ellepot tray	25 x 35mm	17.17cc	360 / 46,080	13 / 1664
ELL-PM-105ep25	105ep25	Ellepot tray	25 x 35mm	17.17cc	360 / 37,800	13 / 1365
ELL-PM-2x51ep25	2x51ep25	Ellepot tray	25 x 35mm	17.17cc	360 / 36,720	13 / 1326
ELL-PM-72ep25	72ep25	Ellepot tray	25 x 40mm	19.62cc	360 / 25,920	12 / 864
ELL-PM-2x36ep30	2x36ep30	Ellepot tray	30 x 40mm	28.27cc	360 / 25,920	12 / 864
ELL-PM-72ep35	72ep35	Ellepot tray	30 x 40mm	28.27cc	360 / 25,920	12 / 864
ELL-PM-50ep45	50ep45	Ellepot tray	45 x 60mm	95.4cc	248 / 12,400	8 / 400
ELL-PM-18ep70	18ep70	Ellepot tray	70 x 75mm	288.23cc	192 / 3456	7 / 126
ELL-PM-10ep80	10ep80	Ellepot tray	80 x 75mm	377cc	288 / 2880	7 / 70
STANDARD TRAYS						
ELL-PM-209	209	Standard tray	20 x 30mm	9.42cc	400 / 83,600	15 / 3135
ELL-PM-72	72	Standard tray	30 x 45mm	31.81cc	320 / 23,040	11 / 792
ELL-PM-50	50	Standard tray	45 x 45mm	53cc	320 / 16,000	11 / 550

TopMix

A new product range offered by Proptec, TopMix is a premium propagation and potting media manufactured using premium Baltic block peat, Jiffy RHP Coir, high grade perlite and zeolite in your specific ratios.

All blends have our granular Oasis Soax incorporated for long lasting re-wetting action and beneficial bacteria to inoculate against disease.

The bespoke blends are delivered in returnable bulk bags holding 1.6 cubic metres on pallets for easy handling.

We also offer expanded coir pith and chip in bulk bags. Of course all our coir is to RHP standard, meaning - structurally stable, no weeds, buffered and washed to an EC of <0.5ms/cm and pH stabilised to a range of 6-7.

See next page for TopMix Options.

Ellepot Prefilled Mix

Standard: Perlite-45%, Peat-40%, Coir-10%, Zeolite-5%, Starter charge, Wetting Agent and TRI-D25.

High Porosity: Perlite-55%, Peat-30%, Coir-10%, Zeolite-5%, Starter charge, Wetting Agent and TRI-D25.

Many other options developed from experience including any of our new TopMix options. Custom blends made to your specifications also available.

TRI-D25 is a biological inoculum of beneficial bacteria. This additive is optional and can be omitted.

pH ranges: 5.4- 6.0 EC ranges: 0.5-1.0.

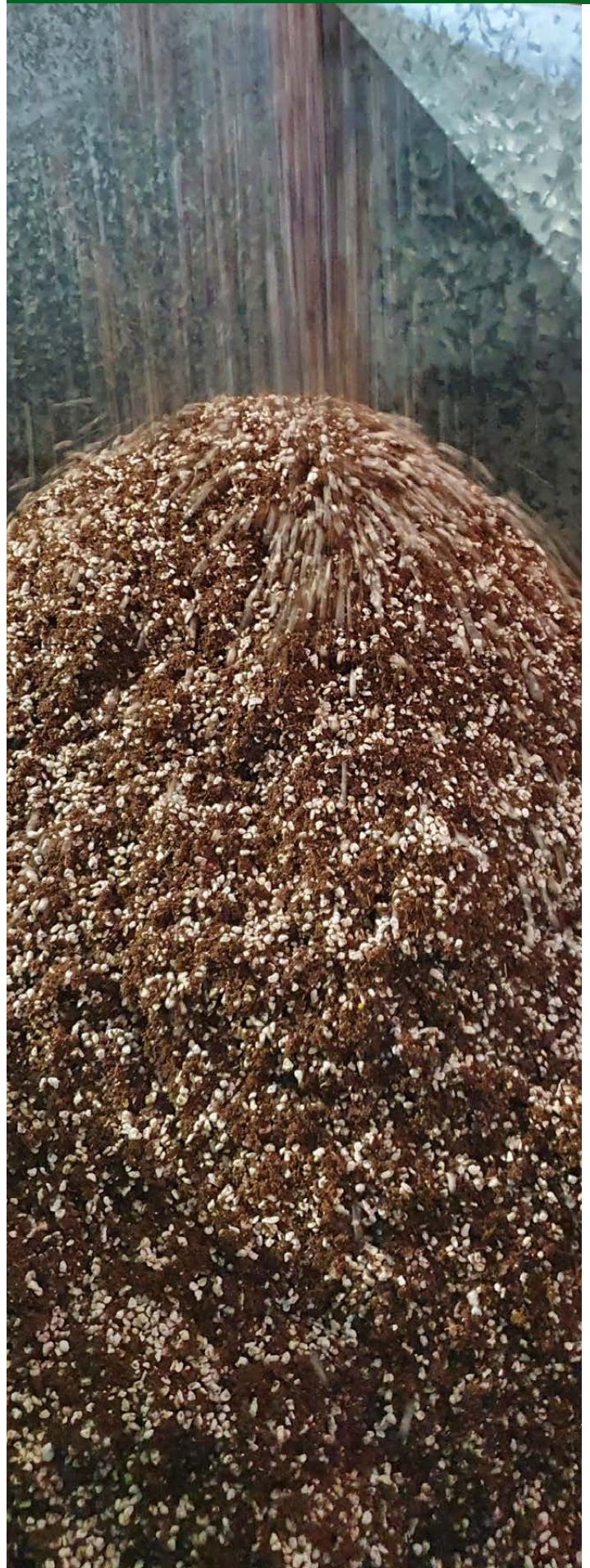
Zeolite is incorporated to enhance cation exchange.

**We recommend you always test pH & EC prior to planting and monitor as crop progresses.*

**All Purchase Orders must specify which Mix and Paper are to be used in your order.*

Note: Degradability is dependent on growing and is not guaranteed. Fungicide coating does not eliminate mould risk. Peat moulds are naturally occurring in any peat mix.

A FULLY SUSTAINABLE SOLUTION FOR PROPAGATION



CODE	NAME	DESCRIPTION
Seed & Propagation		
TopMix-SP-0000 100Pi NO	Seedpro 100% Pith-No Osmocote	100% Pith
TopMix-SP-00100	Seedpro 100% Peat	100% Peat 0-7
TopMix-SP-0080 20Ze NO	Seedpro 80% Peat, 20% Zeolite-No Osmocote	70% 0-7 Peat, 10% Pith, 20% Zeolite, No Osmocote
TopMix-SP-2080	Seedpro 20% Perlite	20% Med Perlite, 70% 0-7 Peat, 10% Pith
TopMix-SP-2080 HO	Seedpro 20% Perlite-Hi Osmocote	20% Med Perlite, 70% 0-7 Peat, 10% Pith Hi Osmocote
TopMix-SP-3045 25Pi	Seedpro 30% Perlite 25% Pith	30% Med Perlite, 45% 0-7 Peat, 25% Pith
TopMix-SP-3070	Seedpro 30% Perlite	30% Med Perlite, 60% 0-7 Peat, 10% Pith
TopMix-SP-3515 50Pi	Seedpro 35% Perlite 50% Pith	35% Med Perlite, 15% 0-7 Peat, 50% Pith
TopMix-SP-3540 25Pi	Seedpro 35% Perlite 25% Pith	35% Med Perlite, 40% 0-7 Peat, 25% Pith
TopMix-SP-3540 25Pi NO	Seedpro 35% Perlite 25% Pith-No Osmocote	35% Med Perlite, 40% 0-7 Peat, 25% Pith No Osmocote
TopMix-SP-3565 pH4	Seedpro 35% Perlite-Lo pH	35% Med Perlite, 55% 0-7 Peat, 10% Pith Lo pH 4
TopMix-SP-4060	Seedpro 40% Perlite	40% Med Perlite, 50% 0-7 Peat, 10% Pith
TopMix-SP-4060 HO	Seedpro 40% Perlite-Hi Osmocote	40% Med Perlite, 50% 0-7 Peat, 10% Pith Hi Osmocote
TopMix-SP-5050	Seedpro 50% Perlite	50% Med Perlite, 40% 0-7 Peat, 10% Pith
TopMix-SP-5050 HO	Seedpro 50% Perlite-Hi Osmocote	50% Med Perlite, 40% 0-7 Peat, 10% Pith Hi Osmocote
TopMix-SP-5050 HO+	Seedpro 50% Perlite-Hi Osmocote + Pro 8-9	50% Med Perlite, 40% 0-7 Peat, 10% Pith Hi Osmocote+Pro 8-9
TopMix-SP-5050 NZ	Seedpro 50% Perlite-No Zeolite	50% Med Perlite, 40% 0-7 Peat, 10% Pith No Zeolite
TopMix-SP-5520 25Pi pH5	Seedpro 55% Perlite-Palm prop	55% Med Perlite, 20% 0-7 Peat, 25% Pith pH5
TopMix-SP-6000 40Pi	Seedpro 60% Perlite 40% Pith	60% Med Perlite, 40% Pith
TopMix-SP-6040	Seedpro 60% Perlite	60% Med Perlite, 30% 0-7 Peat, 10% Pith
TopMix-SP-7030	Seedpro 70% Perlite	70% Med Perlite, 20% 0-7 Peat, 10% Pith
TopMix-SP-7030 pH4	Seedpro 70% Perlite-Lo pH	70% Med Perlite, 20% 0-7 Peat, 10% Pith Lo pH 4
TopMix-SP-8020	Seedpro 80% Perlite	80% Med Perlite, 10% 0-7 Peat, 10% Pith
Bedding & Pot plants		
TopMix-BP-2080	Bedding/Pot 20% Perlite	20% Coarse Perlite, 70% 0-20 Peat, 10% Pith
TopMix-BP-3070	Bedding/Pot 30% Perlite	30% Coarse Perlite, 60% 0-20 Peat, 10% Pith
TopMix-BP-3070 NO	Bedding/Pot 30% Perlite No Osmocote	30% Coarse Perlite, 60% 0-20 Peat +NPK, 10% Pith, No Osmocote
TopMix-BP-4060	Bedding/Pot 40% Perlite	40% Coarse Perlite, 50% 0-20 Peat, 10% Chip
TopMix-BP-5050 LO	Bedding/Pot 50% Perlite Low Osmocote	50% Coarse Perlite, 40% 0-20 Peat, 10% Pith Low Osmocote
TopMix-BP-0040 60Co 10-18cm	Bedding/Pot 40% Peat 60% Coir-Sml Pots	40% 0-20 Peat, 60% Coir
TopMix-BP-0040 60Co 20+cm	Bedding/Pot 40% Peat 60% Coir-Lge Pots	40% 10-30 Peat, 60% Coir
Tree & Shrub		
TopMix-TS-0020 80Co NO	Tree/Shrub Peat & Coir No Osmocote	10% Peat+NPK, 80% Coir (Pith & Chip), No Osmocote
TopMix-TS-2020 60Ch	Tree/Shrub 20% Perlite 60% Chip	20% Coarse Perlite, 20% 10-30 Peat, 60% Chip
TopMix-TS-2080 HO	Tree/Shrub 20% Perlite High Osmocote	20% Coarse Perlite, 70% 10-30 Peat, 10% Chip Hi Osmocote
TopMix-TS-2080 LPO	Tree/Shrub 20% Perlite Low P Osmocote	20% Coarse Perlite, 70% 10-30 Peat, 10% Chip Lo P Osmocote
TopMix-TS-3070 HO	Tree/Shrub 30% Perlite High Osmocote	30% Coarse Perlite, 60% 10-30 Peat, 10% Chip Hi Osmocote
Special Blends – Seed plugs, grower crops, etc		
TopMix-SPP-2070 10Ve NO	Premium Plug Marigold, Salt Sensitive	20% Med Perlite, 70% 0-7 Peat, 10% Vermiculite, No Osmocote
TopMix-SPP-2570 5Ve NO	Premium Plug Flowers & Vegetable	25% Med Perlite, 70% Peat, 5% Vermiculite, No Osmocote
TopMix-SPP-2570 5Ve NZ NO	Premium Plug Ranunculus	25% Med Perlite, 70% Peat, 5% Vermiculite, No Osmocote
TopMix-SPP-5050 LO	Premium Plug Gerbera	50% Med Perlite, 50% Peat, Lo Osmocote
TopMix-SPP-5545 NO	Premium Plug Lisianthus	55% Med Perlite, 45% Peat No Osmocote
TopMix-GRO-0035 65CO	Grower Cut Lisianthus	35% 10-30 Peat, 65% Pith & Chip
TopMix-GRO-0000 100Pi	Grower 100% Pith	100% Pith
TopMix-GRO-0000 100Ch	Grower 100% Chip	100% Chip
TopMix-GRO-0000 100Co	Grower 60% Pith 40% Chip	100% Coir-60% Pith 40%Chip

pH RANGE	NUTRIENT	NUTRIENT ADDED kg/m ³	STRUCTURE	PEAT FRACTION	USE
Seed & Propagation					
5.5 - 6.5	TE	0.2	Fine	N/A	Native propagation
5.5 - 6.3	Exact 3-4 Mini & TE	1.7	Fine	0 - 7mm	
5.5 - 6.3	TE	0.2	Fine	0 - 7mm	
5.5 - 6.3	Exact 3-4 Mini & TE	1.7	Fine	0 - 7mm	
5.5 - 6.3	Exact 3-4 Mini & TE	2.7	Fine	0 - 7mm	
5.5 - 6.3	Exact 3-4 Mini & TE	1.7	Fine	0 - 7mm	
5.5 - 6.3	Exact 3-4 Mini & TE	1.7	Fine	0 - 7mm	
5.5 - 6.3	Exact 3-4 Mini & TE	1.7	Fine	0 - 7mm	Succulents
5.5 - 6.3	Exact 3-4 Mini & TE	1.7	Fine	0 - 7mm	
5.5 - 6.3	TE	0.2	Fine	0 - 7mm	
3.8 - 4.5	Exact 3-4 Mini & TE	1.7	Fine	0 - 7mm	Blueberry prop / Azaleas
5.5 - 6.3	Exact 3-4 Mini & TE	1.7	Fine	0 - 7mm	
5.5 - 6.3	Exact 3-4 Mini & TE	2.7	Fine	0 - 7mm	
5.5 - 6.3	Exact 3-4 Mini & TE	1.7	Fine	0 - 7mm	
5.5 - 6.3	Exact 3-4 Mini & TE	6.2	Fine	0 - 7mm	
5.5 - 6.3	Exact 3-4 Mini & TE Pro 8-9	4.3	Fine	0 - 7mm	Grape prop
5.5 - 6.3	Exact 3-4 Mini & TE	1.7	Fine	0 - 7mm	
4.8 - 5.2	Exact 3-4 Mini & TE	1.7	Fine	0 - 7mm	Palm prop
5.5 - 6.3	Exact 3-4 Mini & TE	1.7	Fine		
5.5 - 6.3	Exact 3-4 Mini & TE	1.7	Fine	0 - 7mm	
5.5 - 6.3	Exact 3-4 Mini & TE	1.7	Fine	0 - 7mm	
3.5 - 4.0	Exact 3-4 Mini & TE	1.7	Fine	0 - 7mm	Blueberry prop / Azaleas
5.5 - 6.3	Exact 3-4 Mini & TE	1.7	Fine	0 - 7mm	Bougainvillia prop
Bedding & Pot plants					
5.5 - 6.3	Exact 3-4 Mini & TE	1.6	Medium	0 - 20mm	
5.5 - 6.3	Exact 3-4 Mini & TE	1.6	Medium	0 - 20mm	
5.5 - 6.3	TE + NPK	0.6	Medium	0 - 20mm	
5.5 - 6.3	Osmo Start 6wk & Pro 8-9 & TE	2.1	Med-Coarse	0 - 20mm	Indoor foliage
5.5 - 6.3	Exact 3-4 Mini & TE	1.5	Medium	0 - 20mm	Ellepot mix for Gerbera
5.5 - 6.3	Pro 3-4	2	Medium	0 - 20mm	Potted annuals
5.5 - 6.3	Pro 3-4	3	Med-Coarse	10-30mm	Potted perennials
Tree & Shrub					
5.5 - 6.3	TE + NPK	0.6	Med-Coarse	0 - 20mm	Avocado trees
5.5 - 6.3	Osmo Start 6wk & Pro 12-14 & TE	2.5	Coarse	10 - 30mm	Pistachio
5.5 - 6.3	Osmo Start 6wk & Pro 12-14 & TE	4.8	Coarse	10 - 30mm	
5.5 - 6.3	Low P 8-9 & TE	3.7	Coarse	10 - 30mm	Native containers
5.5 - 6.3	Osmo Start 6wk & Pro 12-14 & TE	4.7	Coarse	10 - 30mm	
Special Blends – Seed plugs, grower crops, etc					
5.5 - 6.3	Null	0	Fine	0 - 7mm	Marigold & Salt sensitive Plugs
5.5 - 6.3	TE	0.2	Fine	0 - 7mm	Premium Plug
5.5 - 6.3	TE	0.2	Fine	0 - 7mm	Ranunculus Plugs
5.5 - 6.3	Exact 3-4 Mini & TE	0.8	Fine	0 - 7mm	Gerbera Plugs
5.5 - 6.3	TE	0.2	Fine	0 - 7mm	Lisianthus Plugs
6.0 - 6.5	Exact 3-4 Mini & TE	0.3	Coarse	10 - 30mm	Cut Lisianthus
5.5 - 6.5	Null		Fine	N/A	Hydroponic crops
5.5 - 6.5	Null		Coarse	N/A	Hydroponic crops
5.5 - 6.5	Null		Medium	N/A	Hydroponic crops

Paper

ECO-FRIENDLY AND CERTIFIED ELLEPOT PAPER

The market demands products that degrade fully and harmlessly in the environment. Using internationally recognised standards, Ellepot verifies that our products degrade safely and efficiently in an aerobic environment, and confirms that material does not build up in the environment to harmful concentrations before degradation occurs.

From raw material to ellepot propagation paper

Raw materials being used are All Natural, Environmental Friendly and degradable. The fine wood fibres used in the Ellepot papers are sourced from responsibly harvested FSC™-certified forests.

Ellepot papers are certified to a range of well-known industry certifications and standards.

VEGGIE SHORT



Eco Friendly: The Veggie Short is environmental friendly.

Colours: Black

Decomposition time: 2 months. Decomposition varies due to the many influencing factors.

Plant out: Yes

Intelligent additive: Special fungicide is added to protect the cellulose fibres.

Fibre web design: The special pattern provides fragile roots an excellent protection and let them grow through after transplanting. The short life makes this paper very useful for frequent plant out cultures.

Recommendation: The product is widely used for lettuces and other veggies with short propagation time.

The Ellepot Veggie Short paper is all natural, environmentally friendly, and fully degradable. Ellepot Veggie paper is certified according to the highest environmental industry standards.

ORGANIC



Eco Friendly: The product is environmental friendly.

Colours: White

Decomposition time: 2 months. Testing the product under various conditions to show an average decomposition time is pending. Decomposition varies due to the many influencing factors.

Plant out: Yes

Fibre web design: The special web design provide a fine protection for the roots during the time on benches before plant out. Roots will penetrate the paper and continue growth after transplant.

Recommendation: The product is widely used for organic crops.

The Ellepot ORGANIC paper is made of wood fibres from well-managed, FSC™-certified forests and other controlled and renewable sources. The Ellepot ORGANIC is all natural, environmentally friendly, and fully degradable. Ellepot ORGANIC paper is certified according to the highest environmental industry standards. Organic paper has no polyester reinforcement.

Landscape



Eco Friendly: The product is environmental friendly.

Colours: Brown

Decomposition time: 3 – 5 months.

Plant out: Yes

Intelligent additive: Special fungicide

is added to protect the cellulose fibres.

Fibre web design: The special pattern provides fragile roots an excellent protection and let them grow through after transplanting. The short life makes this paper very useful for frequent plant out cultures.

Recommendation: The product is widely used for beddings and other cultures with short propagation time.

Universal



Eco Friendly: The product is environmental friendly.

Colours: Brown

Decomposition time: 6 – 9 months.

Plant out: Yes

Fibre web design: The special pattern provides fragile roots an excellent protection and let them grow through

after transplanting. The short life makes this paper very useful for frequent plant out cultures.

Recommendation: The product is widely used for tree and shrub cuttings and seedlings.

The structure and decomposing time (6-9 months) of Ellepot Universal makes it perfect for almost all types of crops with a medium to long production circle before plant out or stepup.

VP (Fruit 12+ / Forestry 12+)



Eco Friendly: Approved Class II (Non-Hazardous), according to Brazilian standard BRN 10.004 Environment and health standard.

Colours: White & Brown

Decomposition time: 12 + months.

Plant out: Yes

Fibre web design: The special web design provide a fine protection for the roots during a long time on benches before plant out. Roots will penetrate the paper and continue growth after transplant.

Recommendation: The product is widely used for crops with medium to long propagation time.

FP



Eco Friendly: FP Paper is environmental friendly.

Colours: White & Brown

Intelligent additive: Special fungicide is added to protect the cellulose fibres.

Decomposition time: 12+ months.

Plantout: Yes

Fibre web design:

The special web design provide a fine protection for the roots during a long time on benches before plant out. Roots will penetrate the paper and continue growth after transplant.

Recommendation:

The product is widely used for crops with long propagation time.

HYDROPONIC (Membrane Bio)



Eco Friendly: The Hydroponic is environmental friendly.

Compostable only in commercial facility.

Colours: White

Decomposition time: In a commercial facility according to ASTM D6400 or DIN EN 13432 is less than 6 months.

Plant out: No

Fibre web design: The special web design provides a fine protection for the roots. In some cultures the roots only grow vertically as they do not penetrate the non-woven membrane.








Recommendation: The product is widely used for many crops in hydroponic systems. For organic the material must be removed prior to planting into soil. Must not be used as a feedstock in compost for organic production.

Ellepot Hydroponic is based on 100% bio based PLA fibres derived from annually renewable resources. Ellepot Hydroponic is certified 100 % degradable and environmental friendly in commercial facility according to ASTM D6400 and EN13432. The special characteristics in Ellepot Hydroponic provides a fine protection for the roots and substantiate a fibrous root development. The product is suitable for crops requiring a long rooting time. Not for plant out.

A paper for every crop.

We are proud to offer more than 7 different types of specially developed Ellepot papers for forestry, flowers, landscape, vegetables, fruit and nuts. All types are developed with features that give our products their special characteristics and meet the requirements of our customers.

We are confident that we can provide the product you need - whether this is for perfect root development or ensuring that the paper decomposes and disappears especially in connection with plant out or that the product applies to special environmental industry standards.

CODE	NAMES	DECOMPOSE	COLOUR	FUNGICIDE	COMPOSITION	STOCK	SAMPLES
	Veggie Short	1-2 Mths	Black	Yes	Wood, Poly Rio	Yes	Yes
	Organic	1-2 Mths	White	No	Wood, Poly Rio	No	Yes
	Landscape	3-5 Mths	Brown	Yes	Wood, Poly Rio	Yes	Yes
	Universal	6-9 Mths	Brown	No	Wood, Poly Rio	Yes	Yes
	VP * Fruit 12+, Forestry 12+	12-24 Mths	Brown	No	Wood, Poly Rio	Yes	
	FP *	12+	Brown	Yes	Wood, Poly Rio	Yes	Yes
	Hydroponic Membrane Bio	12-24 Mths	White	No	PLA (6 mth indust compost)	No	Yes

Landscape & Propagation

From annual bedding displays to revegetation plantings, Ellepots have proven results in the field. Not only do you see more uniform establishment with less mortality, but the superior root structure ensures faster take off and subsequent growth.

The advantages don't stop here!



Grower benefits

- Replace plastic pots
- Reduced plant-out costs - no pots to remove from plants or collect and remove from the job site.
- 25% reduction in crop cycle
- Eliminates root circling or constriction
- Very high establishment rates - no transplant shock
- Paper is less than half the cost of a 100mm plastic pot
- Quicker turns in the greenhouse
- Fast plant out – no pots to remove from plants and therefore no pots to retrieve from the job site, saving up to 40% on labour cost.
- Eco-friendly and sustainable – 100% degradable.
- No plastics storage and recycling.
- One pallet of paper = 700 000 plastic pots (100mm)

See our website for more info.

Fruit & Nuts

Grow greener and eliminate plastic bags with the Ellepot system.

Grower benefits

- No plastic to remove, easier packing/shipping, no plastic pot to dispose or return.
- Faster and healthier rooting.
- Reduce labour costs through easier and faster transplanting.
- Easier, faster and smoother transplanting.

Ellepots can be transplanted directly into the ground and thereby eliminating transplant shock. And as transplantation is fast and smooth, you can experience a significant reduction in labour cost. Studies show that logistics cost can actually be reduced by up to 30-40%, simply by switching from plastic to paper pots –Ellepots.

Step Ups

Start your crop by planting into a smaller 30mm Ellepot in 98 cell tray. Then transplant into a Jumbo size 100mm Ellepot in 8 cell tray for the final growing stage and transplant into the field.

Air Trays

Ellepot Air Trays enhances root architecture and root pruning. The trays are unique and designed to provide optimal air circulation and drainage and prevent circling and girdling of roots. All trays are specially developed for improved production efficiency, automation and optimised handling.

The option

Purchase an Ellepot Jumbo machine, Ellepot air trays and Ellepot paper, if you are working with larger scale production. Or you can also order Ellepots Prefilled from PROPTec for your programmed production.



Air Trays

Ellepot Air Trays enhance root architecture and root pruning. The trays are unique and designed to provide optimal air circulation and drainage and prevent circling and girdling of roots.

All trays are specially developed for improved production efficiency, automation and optimised handling

Grower benefits

- Ideal for fruit trees, nuts, landscape shrubs & trees
- Prevents circling and girdling of roots
- Root pruning
- Reduces root defects
- Promotes Wet /Dry cycles

Designed for Ellepots

Ellepot Air Trays support the Ellepots in the plants early stages and stops them drying out too fast. The Air trays are designed to provide young plants with optimal air circulation, drainage and create the best possible conditions for great air pruning of the root system.

	CODE	CELL COUNT	CELL TYPE	ELLEPOT SIZE	TRAY SIZE
	Tray-128at50	128	Air Tray	25 x 50mm	28 x 53cm
	Tray-105at40	105	Air Tray	25 x 43mm	28 x 53mm
	Tray-72at70	72	Air Tray	30 X 70mm	28 x 53cm
	Tray-50at45	50	Air Tray	40 x 45mm	28 x 53cm
	Tray-36at115	36	Air Tray	45 x 115mm	29 x 55cm
	Tray-32at60	32	Air Tray	50 x 60mm	28 x 54cm
	Tray-32at110	32	Air Tray	50 x 110mm	28 x 54cm
	Tray-18at135	18	Air Tray	70 x 135mm	28 x 54cm
	Tray-10at160	10	Air Tray	80 x 160mm	21.5 x 54cm
	Tray-8at100	8	Air Tray	100 x 100mm	25 x 54cm
	Tray-8at160	8	Air Tray	100 x 160mm	25.5 x 53cm
	Tray-6at160	6	Air Tray	120 x 160mm	28 x 42cm

Proptek Air Tray System

Proptek sleeve and tray systems, new to Australia, are even more popular as growers overseas realise the very significant time and cost savings they provide. Growers are turning from 'loose fill' to the Ellepot/Proptek system rapidly to avoid spiralling labour costs.

Grower benefits

- Better quality roots - better quality plants
- Labour efficient through automation
- Cost effective - less soil than loose fill
- Exceptional growing environment
- Easy to ship



proptek

98 cell Tree & Forestry Propagation Tray for Deep 30mm Ellepot

98PR105



An excellent propagation tray for automated, semi-automated and manual root-stock propagation nurseries. Suitable for any plant grown from seed or cutting, such as citrus, some fruit and nut trees and forestry.

This tray is designed to hold 30mm inserts such as Ellepots. The height of the insert is optional, though we do recommend that the height doesn't exceed the height of the tray by too much to help keep the insert stable for automation purposes.

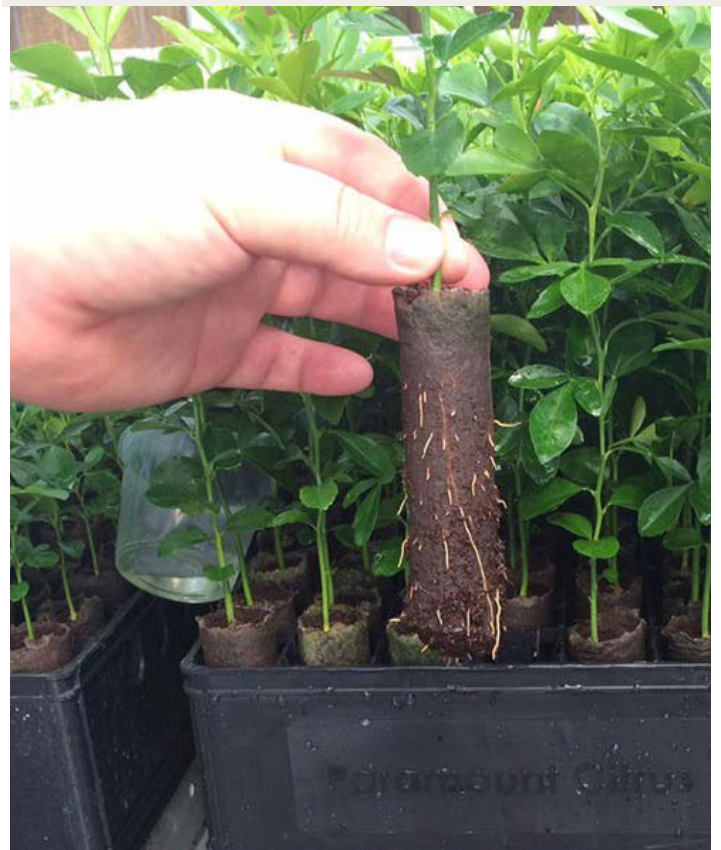
This tray will dry out quicker than a traditional setup. This means you should water less, but more often – which usually means a significant net saving on water.

Exceptional quality and natural roots are created by air pruning by having minimal contact between the insert and the tray. It will fit onto most current benching systems.

The superior root system produced will establish better and support more top growth and calliper increase in the first year.

Grower benefits

- Offers minimum contact between tray & insert to allow for maximum air pruning & aeration
- Rigid design resulting in no bending when loaded
- Produces superior root system
- Injection moulded for long life and ideal for use with automation
- Accepts a 30mm wide, 100mm tall Ellepot
- Easy and quick to sterilise
- The tray features a 'lug' option to allow it to slide on 't' rail benching



96 Cell Global Tray for Forestry



Grower benefits

- Holds 96 x 35mm diameter Ellepots.
- Nests for easy storage.
- Ideal forestry, mature tree and shrub tray.
- Encourages secondary root production.
- Excellent air pruning of roots prevents girdling and J rooting.



96PR90

This tray carries 35mm Ellepots, the perfect size to start trees destined for forestry plantations. Typically the Ellepot is 90mm deep thus giving enough root space to produce a hardy tree ready for transplant directly into the field.

The tray is also excellent for mature tree and shrub nurseries to grow and hold stock ready for potting spring production.

The unique open, airy design prevents root girdling and encourages prolific secondary root production resulting in a rapid root colonisation of the pot for quicker Spring sales.

The Ellepots are raised off the ground to prevent waterlogging when trays are placed on the ground.

32 Cell Global Tray for 50mm Ellepots

This 32 cell container holds 32 individual 50mm diameter Ellepots.

A 50mm wide Ellepot is the perfect size to start propagating many fruit trees, and also larger landscape trees. It is also an excellent substitute for those trees grown in plastic bags – even though the container volume is typically smaller. This is because the root system is far superior than when grown in bags, meaning a smaller root system can support a much larger tree.

This size of Ellepot can then be easily stepped up to a Jumbo Ellepot (Such as 100mm or 120mm).

The optimum height Ellepot for this container is 90mm, though Ellepots taller than this can be used if required.

The Ellepot inserts are held in such a way that also allows enough air movement for great aeration and drainage and fantastic 'air pruning' of the root system. The tray also keeps the plants raised off the ground away from standing water, to allow air to better flow around the base to help air pruning.

Once the trees are grown to the desired size, the Ellepot insert can be removed, packaged and sent to the field or customer without any plastic leaving the nursery.

32PR90



Grower benefits

- Holds 32 x 50mm diameter Ellepots.
- The optimum Ellepot height for this container is 90mm, but the tray's clever design supports taller Ellepots as well.
- Trays can also be stacked when filled with 90mm Ellepots thanks to our unique stack/nest design.
- Nests for easy storage & cost-effective shipping.
- Widely used for the rootstock stage of propagating fruit and nut trees.
- Excellent air pruning produces numerous secondary roots and eliminates root circling.
- Raised foot at base of tray keeps the ellepots off the ground when trays are placed on the floor.
- Air vents located between cells provide excellent airflow through the canopy. This also helps to air prune root tips.

15 cell Sleeve & Tray Propagation System For 80mm Ellepot

Grower benefits

- 30x50cm tray with 15 removable sleeves.
- Injection moulded plastic for durability, long life and ease of handling.
- Widely used for fruit and nut trees.
- Perfect container system for landscape tree propagation.
- Ideal for mechanisation for both traditional nurseries & modern purpose built ones.
- Sleeve holds a deep (200mm) 80mm diameter Ellepot.
- Tray holds a shallow (100mm) 80mm diameter Ellepot.
- Produces numerous natural roots and eliminates root circling.
- Various tray versions available depending on nursery set up.
- 15 Sleeves can be handled at once or lifted out individually.

15PR100

15PR200



The 15 Cell Sleeve and Trays are designed to hold an 80mm Ellepot. The benching tray holds either 15 shallow (100mm) Ellepots or 15 sleeves that hold a deep (200mm) Ellepot. The sleeve slots easily into the tray and is easily lifted out manually or mechanically for grading and spacing etc.

80mm is the perfect size for fruit trees such as apples and pears, grapes, landscape trees and all shrubs.

8 cell Sleeve & Tray Propagation System For 100mm Ellepots

The flagship Ellepot/Proptek growing system: millions of sleeves have been sold to date and are producing exceptional results across California, the wider United States & the world.

The 8 Cell Sleeve and Trays are designed to hold a 100mm Ellepot. The benching tray holds either 8 shallow (115mm) Ellepots or 8 sleeves that hold a deep (230mm) Ellepot. The sleeve slots easily into the tray and is easily lifted out manually or mechanically for grading and spacing etc.

100mm is the perfect size for all fruit trees, landscape trees and all shrubs. If tighter spacing is not an issue, then our 15 Cell Sleeve and Tray system gets even more quality plants into the same amount of growing space.



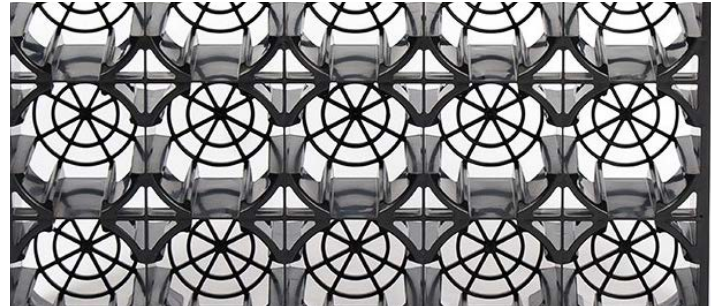
8PR115

8PRS230



Grower benefits

- 25x50 cm tray with 8 removable sleeves.
- Injection moulded plastic for durability, long life and ease of carrying.
- Widely used for fruit and nut trees.
- Perfect container system for citrus propagation.
- Ideal for mechanisation for both traditional nurseries & modern purpose built ones.
- Sleeve holds a deep (230mm) 100mm diameter Ellepot.
- Tray holds a shallow (115mm) 100mm diameter Ellepot.
- Produces numerous natural roots and eliminates root circling.
- Various tray versions available depending on nursery set up.
- 8 Sleeves can be handled at once or lifted out individually.



	CODE	CELL COUNT	CELL TYPE	CELL SIZE	TRAY SIZE	TRAYS PER PALLET
	Tray-98PR105	98	Air Tray	30 x 105mm	25 x 50cm	176 trays
	Tray-96pr90	96	Air Tray	35 x 90mm	33.5 x 50cm	210 trays
	Tray-32PR90	32	Air Tray	50 x 90mm	26.7 x 53.3cm	544 trays
	Tray-15PR100	15	Air Tray	80 x 100mm	30.4 x 53.2cm	160 trays
	Tray-15PRS200	15 per tray	Sleeve	80 x 200mm		2400 sleeves
	Tray-8PR115	8	Air Tray	100 x 115mm	26.8 x 53.5cm	144 trays
	Tray-8PRS230	8 per tray	Sleeve	100 x 230mm		1152 sleeves
	Tray-6PR200	6	Air Tray	120 x 200mm	30.4 x 53.2cm	624 trays
	Tray-6PRs300	6 per tray	Sleeve	120 x 300mm		

Pioneer Hemp Pot

FOR MOTHERSTOCK

The Pioneer Pot™ encourages plant production of absorbant and structural roots, to promote a well-developed root ball and vigorous plant.

Grower benefits

- Promote root growth that extends radially from the main stem.
- Promotes good drainage.
- Promotes lateral roots on taproot species.
- Promotes a fibrous, evenly distributed root system.
- Minimises root defects.
- Maximises quality root development.



Successfully trialled for Cannabis production in the United States.

Cannabis has a better yield with air around the roots.

PROPTEC CODE	NAME	UNITS/Pallet
Pot-250-Hemp	Pioneer Hemp pot 250mm	600
Pot-250-Hemp-base	Pioneer Hemp pot 250mm base	450









Ellepot Trays

Customised Ellepot propagation trays.

For more than 15 years, our propagation trays have been an essential component in the Ellepot System. Blackmores knowledge and experience in developing propagation trays, gained from working in close collaboration with Ellepot customers around the world, have resulted in the current range of more than 80 different trays.

All designed for improved production efficiency, optimised handling, increased yield and lower costs of goods produced.



	CODE	COUNT	CELL TYPE	WIDTH	LENGTH	ELLEPOT SIZE	ELLEPOT VOLUME	PACKAGING*	
								PALLET	CARTON
	Tray-128ep25	128	Ellepot	28cm	53cm	25 x 35mm	17.17cc	1600	100
	Tray-105ep25	105	Ellepot	28cm	53cm	25 x 35mm	17.17cc	1600 trays or 1760 (loose packed on pallet)	100
	Tray-2X51ep25	102	Ellepot	28cm	53cm	25 x 35mm	17.17cc	1600	100
	Tray-105sc	105 count Strip Carrier Tray							
	Tray-105st	105 count Strip Carrier Tray 7 x 15 Strip							
	Tray-2X36ep30	72	Ellepot	28cm	53cm	30 x 40mm	28.27cc	1440	90

THE FUTURE IN PLANT PROPAGATION TECHNOLOGY

	CODE	COUNT	CELL TYPE	WIDTH	LENGTH	ELLEPOT SIZE	ELLEPOT VOLUME	PACKAGING*	
								PALLET	CARTON
	Tray-72ep25	72	Ellepots	28cm	53cm	25 x 40mm	19.62cc	1600	100
	Tray-72ep35	72	Ellepots	28cm	53cm	30 x 40mm	28.27cc	1600	100
	Tray-50ep40	50	Ellepots	28cm	53cm	40 x 38mm	47.75cc	1600	100
	Tray-50ep45	50	Ellepots	28cm	53cm	45 x 60mm	95.4cc	1440	90
	Tray-32ep60	32	Ellepots	31cm	54cm	60 x 65mm	183cc	896	
	Tray-18ep70	18	Ellepots	28cm	53cm	70 x 75mm	288cc	1440	
	Tray-10ep80	10	Ellepots	22cm	53cm	80 x 75mm	377cc	1760	



Plug Trays

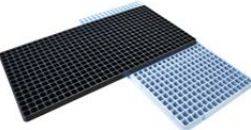



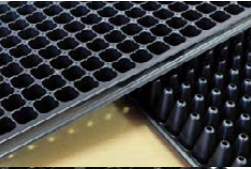



Supplier of plastic horticulture growing trays for propagation in varied cell sizes, depth and volume. Semi-rigid plug trays allow you to easily separate species in one tray, easing transplanting. Huge Range of Specialty Trays in various tray sizes.

Use: Flowers, vegetables, herbs, landscape and many others.

Horticulture plug tray benefits

Growing a plant as a plug helps to strengthen its root system while encouraging faster plant development when transplanted into the final container.

Each cell size has its own unique advantages. Smaller cell sizes offer several benefits including helping to strengthen a weaker root system while maximising space in your greenhouse area. The larger cell size allows the plug to remain in the tray longer before transplanting, allowing the plant to retain both moisture level and nutrients longer. Before choosing that final cell size, consider your production schedule, the species-growing pattern, including root development and the available propagation space.

	CODE	COUNT	CELL TYPE	WIDTH	LENGTH	CELL SIZE	VOLUME	PACKAGING*	
								PALLET	CARTON
	Tray-512	512	Square	28cm	53cm	13 x 21mm	3cc	1760	100
	Tray-288	288	Square	28cm	53cm	20 x 25mm	6cc	2880	80
	Tray-288a	288	Star Deep	28cm	53cm	20 x 50mm	9.4cc	1440 or 1600 Loose packed	90
	Tray-200a	200	Star Deep	28cm	53cm	21 x 55mm	20cc	1280 or 1440 Loose packed	80
	Tray-162	162	Square	28cm	53cm			3600	100
	Tray-128	128	Square	28cm	53cm	30 x 50mm	23cc	3600	100
	Tray-105	105	Square	28cm	53cm	34 x 50mm	29cc	3600	100
	Tray-72	72	Square	28cm	53cm	40 x 50mm	39cc	3600	100

HUGE RANGE OF SPECIALTY TRAYS IN VARIOUS TRAY SIZES

	CODE	COUNT	CELL TYPE	WIDTH	LENGTH	CELL SIZE	VOLUME	PACKAGING*	
								PALLET	CARTON
	Tray-72pa30	72	Tree	28cm	53cm	Cell size for 30mm			
	Tray-60c	60	Clear Orchid	31cm	53cm	47 x 70mm	90cc	1600	100
	Tray-50	50	Square	28cm	53cm	47 x 50mm	61cc	3600	100
	Tray-50sq	50S	Square	28cm	53cm	50 x 55mm	96cc	1600	100





ELLEPOT[®]
AUSTRALIA

**FLEXIBLE
& CUSTOMIZED
AUTOMATION**

Automatic Machines

Multiflex



Multiflex Turbo



Ellepot TF1



Fully Automatic Machine

Jumbo Flexline



Conveyor Belts

E-belt



Roller Conveyor



Machines and Parts Available

At Ellepot Australia, we stock a basic range of parts that are most likely to need replacing. Simply describe the parts with the aid of an image along with the serial # of your machine.

Once sold the merits of using premade Ellepots, we can help you with the decisions for a machine that can be tailored to your requirements.

We have been using Ellepot machines for over 20 years, so give us a call to solve any issues.

Semi-Automatic Machines

H111



H112



H101



H202



H301

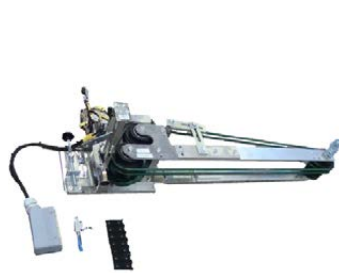


Accessories & Spare Parts

Air Dryer



Tool kit for Multiflex



VACUUM UNIT
CAT 50/250



Tray Handling

Tray destacker DC 10



Tray destacker belt 35



Silencer



Kit tool set



VACUUM UNIT
CAT 50/280



TM 700 destacker



Substrate Handling

Big Bag



Peatbunker Extension



Soil Mixer MC 1100



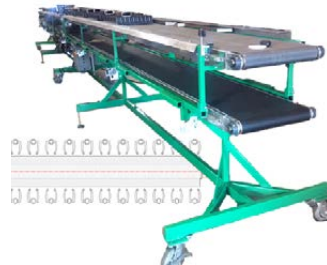
Seeder Line

Vermiculite



Standalone Equipment

Sticking Line



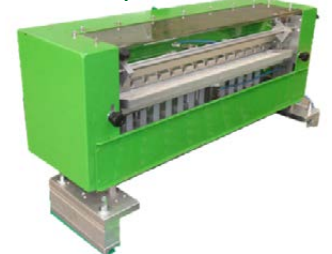
Peatbunker DEM 560



Bale Breaker 2000/
2400/ 2900



Seeder
SFN-65 / SFN-65E



Drum Seeder Line Zeta



Drill Unit



Ellepot – Air Grow Bag

With a growing global need to reduce plastic waste the Ellepot GrowBag provides the best solution, with on-site production of the GrowBag paper and filling that will deliver many additional benefits to your daily propagation.

With the Ellepot GrowBag System, you can radically reduce your plastic waste while increasing your productivity and efficiency from day one!

With the Ellepot GrowBag and AIR tray system, Growers can eliminate the need for plastic planter bags in their production and put an end to root circling and transplant shock.

The Ellepot GrowBag is designed for crops currently propagated in plastic bags due to their robust root systems, for example fruit and nut, as well as species such as avocado, coco, coffee and indigenous plants.

The Ellepot GrowBag is a brilliant alternative to plastic bags for fruit and nut producers. Growers can choose to have the flexibility of producing their Ellepot GrowBags on-site with the Ellepot GrowBag machine (with automatic filling) or have the option to purchase pre-made Ellepot GrowBags in various standard sizes.

**A SUSTAINABLE
ALTERNATIVE TO
PLASTIC BAGS**



PROPTEC CODE	PAPER	DIAMETER Ø mm	HEIGHT OPTION mm	SUITABLE TRAY OPTION
EII-GB-80	FP Brown	80mm	160, 200	Tray-10at160
EII-GB-100	FP Brown	100mm	120, 160, 180	Tray-8at160
EII-GB-120	FP Brown	120mm	160, 240, 300	Tray-6at160

Grower benefits

- Onsite production
- Less labor needed
- Customisable sizes
- Flexible on growing media
- Automatic filling of GrowBags on-site

SMARTER PLANT OUT:

- Plant directly in the soil
- Higher survival rate
- No removal of plastic bags
- Faster establishment of the plant in the field

SMARTER PROPAGATION:

- Increased wet/dry cycles
- Reduced mortality
- Shorter production cycle
- Higher uniformity of plants
- Faster and healthier root development
- Air pruning resulting in a larger, more fibrous root system

SMARTER HANDLING:

- Automation
- Cost and logistics savings
- Easier and faster transplanting
- Faster plant out and establishment



After switching to our AIR Trays and substituting the plastic planter bags with the sustainable and degradable Ellepot GrowBag, Growers are reporting improved root quality, significantly reduced propagation times and greater labour efficiencies.

Air pruning is at the core of the Ellepot GrowBag system, and customers experienced healthy root tips growing out or down through the Ellepot paper even after months of being in the same Ellepot AIR Tray.

Through air pruning plants become more efficient in the use of available container volume, and as a result, many species can be grown in a smaller volume Ellepot GrowBag. This smaller volume GrowBag has many additional benefits such as a reduction in substrate cost, more efficient use of available nursery propagation space, reduced transport cost and faster in-field transplanting amongst others.

Growers have reported faster root growth after transplanting and as the degradable Ellepot GrowBags do not need to be removed at planting, transplant speed is greatly increased, and transplant shock is virtually eliminated.

With mortality rates reduced and yields on the rise, the successful trials of the Ellepot GrowBags have shown that this new technology can help customers grow smarter too.

Citrus in the Ellepot system

The Ellepot system is a degradable system eliminating the use of plastic bags. The Ellepot system using plugs and specific trays encourages consistent and early rooting. Clients will enjoy the benefits of a fully sustainable solution, better propagation and smoother transplanting resulting in stronger, more uniform plants for sale. Ellepot plugs are root, air and water permeable. They are made from all natural and environmentally friendly paper which degrades naturally and will not harm the environment.



Consistent roots in a young Citrus seedling. The air-pruning can clearly be seen as well as the overall root growth throughout the Ellepot plug. Most of the roots remain inside the pot, but they also grow through the paper. That not only prevents the spiraling and girdling that can occur in typical plastic nursery pots, but the escaping roots soon die in the open air, resulting in "air pruning," which spurs the development of fine roots inside the pot.



Roots off an Ellepot plug after the substrate has been washed off demonstrating the mass of roots expected in this system.

Citrus seedlings in bespoke trays that allow uniform and consistent growth.

Highly reliable and flexible, the Ellepot system can be customised to meet your exact needs from 20mm diameter to 120mm diameter plugs in all different lengths, pot and tray sizes, and soil mixes.

The Ellepot system is an eco-friendly growing system, which helps to grow larger and healthier roots creating high quality plants and eliminating plastic.

The transplanting of citrus seedlings in-field using the Ellepot system is really easy as there are no plastic bags to cut open, collect and dispose of. The root system in plastic bags will also be disturbed by the cutting of the bag. The Ellepot system reduces transplant shock as the root mass is not disturbed when the Ellepot plugs are planted directly into the soil in-field.



Avocado seedlings in the Ellepot system

Avocado propagation can be divided into two main categories.

- SEEDLING TREES (Seed rootstock)
- CLONAL TREES (Clonal rootstock) – Fact Sheet available on request



Stage 3: The 70mm or 80mm Ellepots are stepped up into a 120mm x 300mm Ellepot or Elle Growbag containing a coir, peat and perlite media. Proptek trays and sleeves are used for this final container. The trays can be placed on companion stands to raise the tree 200mm above the ground to meet current international avocado standards. Trees are grown to a height of 1500mm with Netafirm PC Spray Stakes under shade cloth.

SEEDLING TREES

Stage 1: A rootstock seed is sown into either 70mm or 80mm Ellepot. Using airtrays or Proptek injection moulded trays, a coir based media is typically used with overhead irrigation.

Stage 2: Once the rootstock seed has germinated and grown to the required stem thickness and height, the scion cultivar is grafted onto the seedling rootstock.



Macadamias in the Ellepot system

All crops start with a well rooted plant. Ellepot allows a grower to have full control of his substrate mixes that can be used depending on the management of the nursery. Ellepot plugs generally allow faster and more consistent rooting and this in turn develops a good early bearing tree. The reduction of transplant shock is very important in planting out in-field as there is less blanking in, less labour involved and there is no plastic that then needs to be disposed of. The paper pots will decompose in the soil when planted directly in the field.



The difference in root development is clearly visible here where the Ellepot grown seedling on the top has a ball of roots compared to the traditionally grown seedling which has a long root tendril which would start becoming root bound in a plastic bag.

Macadamia seedlings can be seeded directly into the final plug size or a 2 step system can be implemented where a seed is started off in a smaller plug which is then later transplanted into a larger plug. This system is used when space is at a premium.



Macadamia seedlings in Ellepot trays that encourage air-pruning and root development throughout the plug. The trays have been specially designed to encourage root growth.



Root development in the Ellepot plug showing air-pruning and consistent root growth throughout the plug.



Ellepot plug with a young seedling before major root development.

Grafted seedling. Grafts take place in the Ellepot system. This reduces shock and keeps the seedling growing more consistently.

Highly reliable and flexible, the Ellepot system can be customised to meet your exact needs from 20mm diameter to 120mm diameter plugs in all different lengths, pot and tray sizes, and soil mixes. By being able to grow a seedling quicker the seedling can be transplanted in-field sooner and a crop can be harvested earlier.



Vegetables and Ornamentals in the Ellepot system

Ellepot offers better and faster root development, faster crop turnover, faster grading and sorting of seedlings. Faster and better root development leads to faster growth and a more uniform plant with substantial labour savings. Ellepot paper grade used has been specially developed for propagation use. It is stable in the high humidity conditions of the greenhouse, but when planted out decomposes rapidly, allowing easy root penetration.

In Ellepots, the roots of each plant develop in a growing medium of consistent, ideal density, enclosed within a tube of degradable paper.

The plugs are made of a degradable non-woven paper which facilitates a perfect root penetration and allows for a natural root form.

When transplanting there is no root shock and plants exhibit a continued and consistent growth.



Ellepot plug showing the plug filled with roots most of which have been air-pruned. This shows how easy it is to transplant the seedling while not disturbing any roots or changing the structure of the root mass.

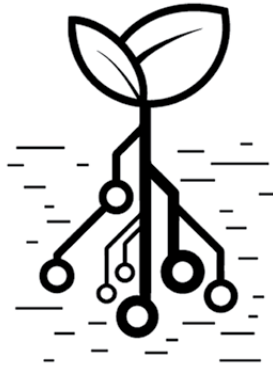
Benches filled with seedlings in Ellepot plugs showing the uniformity and healthy growth of the seedlings.

Ensures healthier and faster root development, with more uniform plants while improving crop timing and reducing plant shrink. Significantly reduces logistics and labor costs through easier and faster transplanting, eliminates transplant shock, and increases plant quality, health and structure.



The Ellepot system is a unique propagation system using natural eco-friendly degradable paper sourced from certified forests using a client's specific substrate blend. This system can be used for cuttings, seeds, pot plants, nursery stock, forestry, and vegetables.

The Ellepot system helps reduce logistics and labour costs through easier and faster transplanting, minimising transplant shock and increasing plant quality, health and structure.



QUICK PLUG

- THE EVOLUTION OF ROOTS -

Proper aeration and moisture retention are crucial aspects for successful plant growth. Our plugs are made with peat and coir, using our proprietary binder to create an ideal environment for propagation.



PLUGS

TRAYS

TEXTILES

Xcel Plug Trays

PEAT BASED PREFILLED TRAYS FOR SEEDING.

Xcel Plug Trays, The Optimal Growing Environment for Cuttings and Seeds.

Xcel Plug Trays consist of stabilised plugs made of peat, other organics and a foam binder. The consistent moisture control and optimal aeration reduce rooting times which means a faster crop turnaround for you. Xcel Plug Trays provide a ready-to-use system that increases the efficiency of your greenhouse by allowing for earlier transplanting, better crop timing and full automation.

Commercial greenhouse growers trust Xcel Plug Trays for rooting cuttings and seed germination. The production process we use can fill most North American and European configurations. Xcel Plug Trays can be dibbled to foster the optimal environment for seed germination or to allow for maximum stem to soil contact for un-rooted cuttings. The growing medium remains stable in hydroponic production and won't clog filters.



PREFILLED TRAYS FOR SEEDING AND CUTTINGS

Xtract Plug®

COIR BASED PREFILLED TRAYS FITS LOOSE IN THE TRAYS.

The Xtract Plug® has a fast and even dry down period. Designed for the cutting industry, the plug will allow your cuttings to grow faster and more consistently. The roots grow quickly throughout the plug without resistance. After transplanting you will see vigorous growth of the roots in the container. This means there is less chance of stress. The Xtract Plug® ensures optimal growth and healthy crop. The Xtract Plug® is easy to transplant, this makes the plugs ideal for use with automation. The formulation of the plug can be adjusted to your needs, giving you more control of your crop.



PROPTEC CODE	COUNT	QUICK PLUG	CELL SHAPE	WIDTH	LENGTH	CELL SIZE	VOLUME	DIBBLE	PACKAGING*	
									PALLET	CARTON
GRO-FT-288	288	Xcel	Square	28cm	53cm	20 x 25mm	6cc	Seed	304 Trays	18 Trays
GRO-FT-128	128	Xcel	Square	28cm	53cm	30 x 50mm	23cc	6mm	240 Trays	12 Trays
GRO-FT-105	105	Xcel	Square	28cm	53cm	34 x 50mm	29cc	4mm	240 Trays	12 Trays
GRO-FT-105H	105	Xcel	Hex	28cm	53cm	32 x 38mm	23cc	4mm	304 Trays	15 Trays
GRO-FT-72	72	Xcel	Square	28cm	53cm	32 x 45mm		4mm	240 Trays	
GRO-XT-126	126	Xtract	Round	28cm	53cm	22 x 35mm	13cc	3mm	360 Trays	15 Trays
GRO-XT-104	104	Xtract	Round	28cm	53cm	25 x 35mm	17cc	5mm	360 Trays	15 Trays
GRO-XT-84	84	Xtract	Round	28cm	53cm	30 x 35mm	24cc	5mm	360 Trays	15 Trays

FleXi Plug

PEAT BASED LOOSE REFILLS.

FleXi Plugs give young plants a stronger start. FleXi Plugs are created by blending the highest quality peat with other organics and a foam binder. The result is a stabilised propagation medium that promotes faster rooting for cuttings while providing the consistent moisture needed for seed germination.

This optimal environment is a result of the FleXi Plug's aeration and water retention capabilities. Our pH balanced plug also contains micronutrients and active biologicals so it has all the elements needed to promote healthy root growth and young plant vigour. FleXi Plugs are an ideal growing medium for traditional greenhouse and hydroponic growers. Plugs remain stable in hydroponic production and won't clog filters.

Grower benefits

- Earlier & easier transplanting
- Faster rooting
- Improved aeration
- Custom formulations
- pH balance
- Uniformity in the greenhouse
- High water holding capacity
- Even dry down



Xcellent Plug®

COIR BASED LOOSE PLUGS.

The Xcellent Plug® is the best plug for the cultivation of orchids from tissue culture. Thanks to the unique design of the plug, plant propagation and the growth phase can be completed in a single entity. The advantage comes from the airy plug structure in combination with the premium blend of raw materials. When growing Phalaenopsis, the Xcellent Plug® ensures a cultivation improvement of up to 4 weeks.

The unique (patented) design of the plug creates the perfect condition for inserting any young tissue culture plant into the plug, minimising the risk of damaging the root structure. The overall composition of the plug ensures that the optimal amount of air and water can be provided to the root zone creating uniform growth of your precious lab plants. The Xcellent Plug® comes in bulk cases and the matching propagation trays are supplied as required.





























Grower benefits






- Optimum accessibility to air and water
- Less risk of root damage
- Faster and better rooting
- Improves automated processing
- Custom formulations available
- Guaranteed rewetting



FleXi Plugs

WE STOCK PLUG TRAYS TO SUIT
ALL FLEXIPLUG AND PLANT
SPACING COMBINATIONS

SHAPE VIEW	PROPTEC CODE	PLUG SIZE	DIBBLE	PLUG TYPE	TRAY OPTIONS	PACKAGING /CARTON /PALLET
  	Gro-FP-2235-A3	22mm x 35mm	3mm	Xcellent (Coir based)	Tray-209 (Standard) Tray-162ep20	1456 Plugs /Ctn 42 Ctn /Plt
	GRO-FP-2340-A4 GRO-FP-2340-A7	23mm x 40mm	4mm 7mm	FleXi (Peat based)	Tray-209 (Standard) Tray-162ep20 Tray-128 (Standard)	3000 Plugs /Ctn 32 Ctn /Plt
  	Gro-FP-2535-A3	25mm x 35mm	3mm	Xcellent (Coir based)	Tray-128ep25 Tray-105ep25 Tray-72ep25	1456 Plugs /Ctn 42 Cartons /Plt
  	Gro-FP-3035-A3	30mm x 35mm	3mm	Xcellent (Coir based)	Tray-72ep35	504 Plugs /Ctn 42 Cartons /Plt
  	Gro-FP-3035-AU	30mm x 35mm	Split	Xcellent Auto (Coir based)	Tray-128ep25 Tray-105ep25 Tray-72ep25	864 Plugs /Ctn 45 Cartons /Plt
  	GRO-FP-3545-A6	35mm x 45mm	6mm	FleXi (Peat based)	Tray-72 (Standard) 50Sq (Standard)	1400 Plugs /Ctn 32 Cartons /Plt
  	GRO-FP-3545-C CATS EYE	35mm x 45mm	Open	FleXi (Peat based)	50Sq (Standard) 72 (Standard)	1400 Plugs /Ctn 32 Cartons /Plt
  	GRO-FP-4240-AU	42mm x 40mm	Split	Xcellent Auto 40 (Coir based)	Tray-60C (Clear) Tray-72ep35 Tray-50ep40 Tray-50at45 (Air Tray)	432 Plugs /Ctn 45 Cartons /Plt
  	GRO-FP-5050-A6	50mm x 50mm	6mm	FleXi (Peat based)	Tray-32at60 (Air Tray)	500 Plugs /Ctn 32 Cartons /Plt
  	GRO-FP-5050-AU	50mm x 50mm	Split	Xcellent Auto (Coir based)	Tray-50ep45 Tray-50 (Standard) Tray-32at60 (Air Tray)	360 Plugs /Ctn 45 Cartons /Plt

SHAPE VIEW		PROPTEC CODE	PLUG SIZE	DIBBLE	PLUG TYPE	TRAY OPTIONS	PACKAGING /CARTON /PALLET
TOP	SIDE						
		GRO-FP-5075-A6	50mm x 75mm	6mm	FleXi (Peat based)	50at45 Air Tray Tray-60C (Clear)	250 Plugs /Ctn 32 Cartons /Plt
		GRO-FP-5075-SP	50mm x 75mm	Split	FleXi (Peat based)	50at45 (Air Tray) Tray-60C (Clear)	250 Plugs /Ctn 32 Cartons /Plt
		GRO-FP-9060-XT	90mm x 60mm	Split	Xcellent Xtra+9 (Coir based)		96 Plugs /Ctn 45 Cartons /Plt
		GRO-FP-12070-XT	120mm x 70mm	Split	Xcellent Xtra+12 (Coir based)		45 Cartons /Plt



FlexiMix



FlexiMix® is a peat-based potting soil that is manufactured in a process similar to Quick Plug North America's FlexiPlugs®. The resulting rooting sponge is then shredded into a granular material. FlexiMix® has high air-filled porosity and a uniquely high water holding capacity. This means not only greater water retention (and thus less watering by you) but an aggregate structure that will prevent over-watering. FlexiMix® also contains a blend of organic substrates, micronutrients and active biologicals that will ensure your young plants thrive.

FlexiMix® resists soil compaction longer than traditional mixes which makes it an excellent choice for urban plantings, such as street trees and turf repair in high traffic areas. This characteristic provides a better growing environment for plants, meaning less work for you. If you would like to discuss your specific crop needs, feel free to call us today.

FlexiMix is ideal for greenwalls

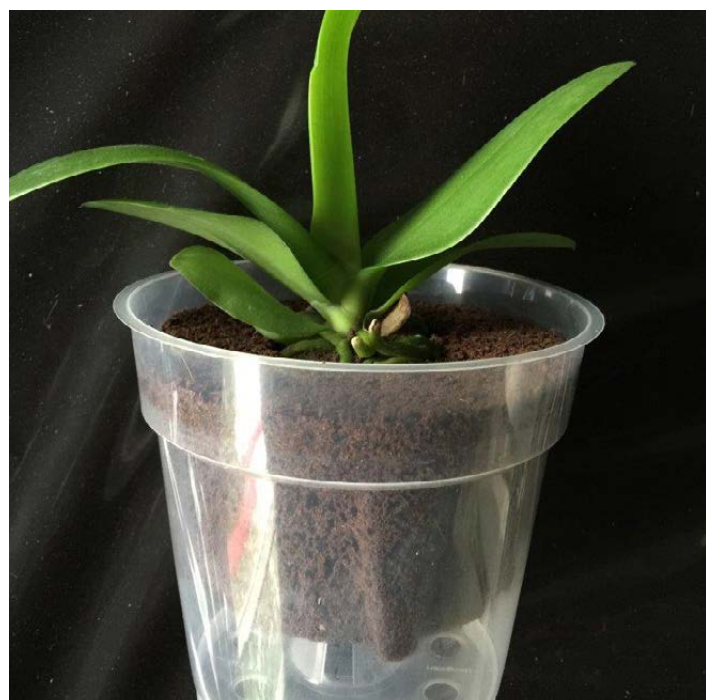
Orchid Solution

QUICKPLUG ORCHIDS
IS AS EASY AS 123

STEP 1 Start your tissue cultures in the Xcellent AutoPlug 40 in the modiform orchid tray.



STEP 2 Transplant the Xcellent AutoPlug 40 into the Xtra + 9cm.

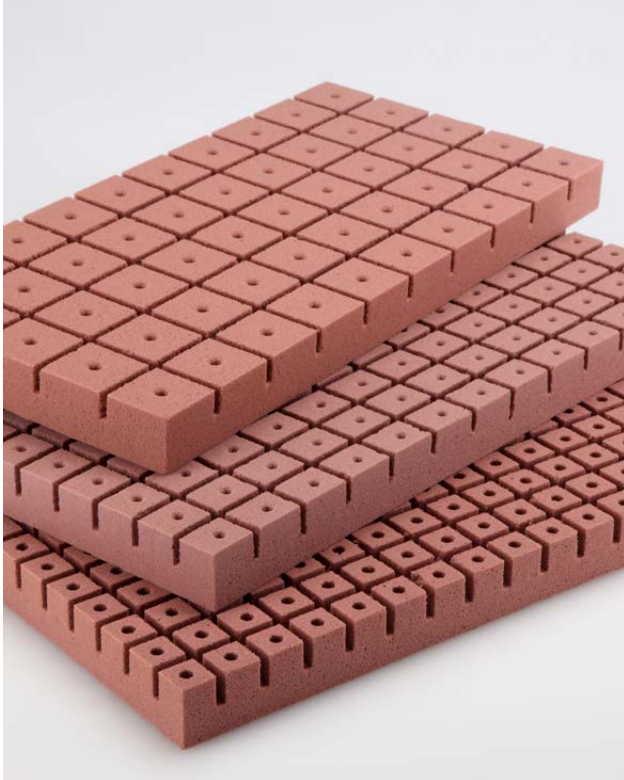


STEP 3 Finish the Orchid in the Modiform 9cm Orchid Pot



Horticubes

Oasis Grower Solutions foam medium. Engineered media for increased rooting success.



Horticubes growing medium is an engineered hydroponic foam specifically designed for optimal callus and rapid root development. This cutting propagation medium was designed specifically with the perfect balance of air and water to encourage plant growth and get unrooted cuttings off to a strong start. With a low cation exchange capacity, Horticubes allows for rapid nutrient availability without danger of salt accumulation. It is pathogen free, providing an environment which helps reduce disease and insect problems.

Horticubes growing medium is manufactured in sheet form, with individual cells shaped like cubes. Perfect for a wide variety of crop, Horticubes media is available in sheets of various configurations that fit conveniently into the Horticube carrier tray.

PROPTec CODE	OASIS #	DESCRIPTION	CONFIGURATION	UNITS/CTN
Oas-HC-25162	5225	Horticube 25mm	162 units per sheet - 20 sheets per ctn	3240
Oas-HC-25276	5231	Horticube 20mm	276 units per sheet - 20 sheets per ctn	5520
Oas-HC-32104	5240	Horticube 32mm	104 units per sheet - 20 sheets per ctn	2080
Oas-HC-4050	5245	Horticube 40mm	50 units per sheet - 20 sheets per ctn	1000
Oas-HC-tray	BM8055	Horticube Carrier Tray		100

Grower benefits

- Ready to use in numerous configurations right out of the box
- The consistency of the media creates more uniform rooting success
- Provides ideal air to water ratio
- Superior cutting hydration: Less need for misting simplifies growing process
- Low cation exchange properties: Improves the speed, precision and availability of nutrients
- Sterile media arrives pathogen-free, to help reduce disease and insect problems
- Roots remain undisturbed during transplant, eliminating plant shock
- Easy to separate cubes

Best for crops: Unrooted cuttings such as geraniums, New Guinea impatiens, fuchsia, foliage and perennials.



Rootcubes Wedge

OASIS GROWER SOLUTIONS FOAM MEDIUM

Rootcubes® Wedge® is an engineered foam medium with a distinctive design that tapers in shape from top to bottom, for cutting propagation. Along with optimal air to water ratios for fast, uniform rooting, this unique shape aids in directing roots downward for a more rapid development, resulting in greater crop turnover and overall productivity for the grower. Each cell is singulated, therefore, there is no tangling of the fibrous root systems.

Best for (crops): Poinsettias, Mandevilla, Hibiscus, Roses, Clematis, and other woody ornamentals.

PROPTEC CODE	OASIS #	DESCRIPTION	CONFIGURATION	UNITS/CTN
Oas-WE-102-med	5615	Wedge medium only for 102	17 units/strip 120 strips/ctn	2040
Oas-WE-102-tray	5641	Wedge tray only	102 units/tray 40 trays/ctn	4080
Oas-WE-13-tray	5600	Wedge 13 Carrier tray	75 trays/ctn	75
Oas-WE-13-strip	5656	Wedge 13 Strip	13 units/strip 280strips/ctn	3640

Grower benefits

- Sterile media arrives pathogen-free to help reduce disease and insects.
- Ready to use media: available in many shapes and configurations for maximum flexibility.
- Engineered media designed with the ideal air to water holding ratio for uniform and consistent rooting.
- “Universal” star dibble holes make sticking cuttings fast and easy.
- Superior cutting hydration reduces the need for excessive misting.
- Low cation exchange capacity for rapid nutrient availability.
- Easy to hydrate and allows for simple water management during the course of propagation.
- Early and rapid transplant with minimal shock to the young plant.



Rockwool

A widely used growing medium for experienced growers.

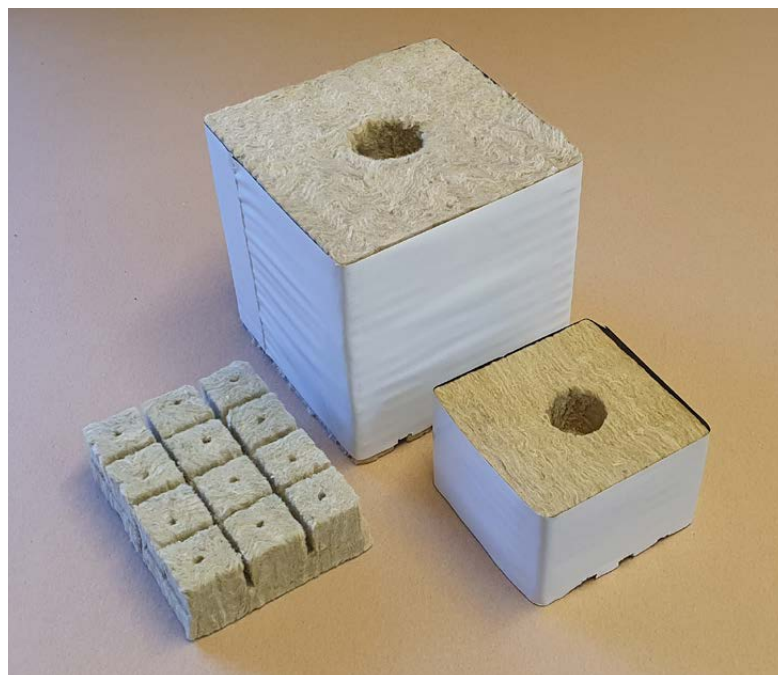
Grower benefits

- Zero Cation Exchange Capacity.
- Enables increased control of nutrients.
- Work well in ebb and flow or drip systems.
- Non degradable and inert.

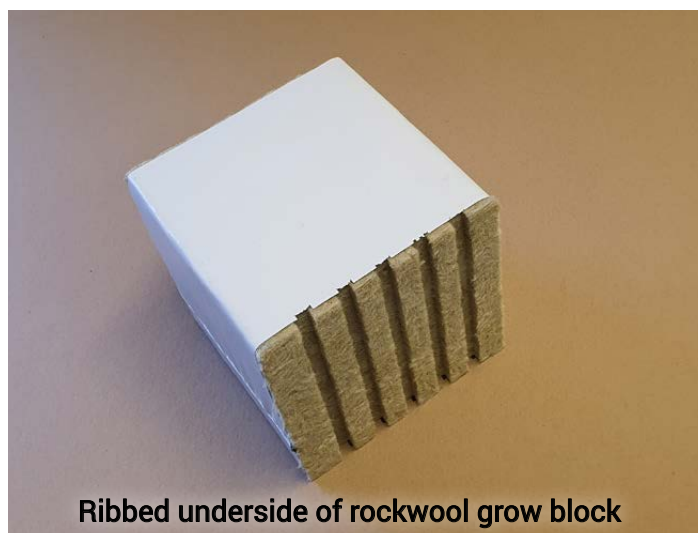
Miniblocks are used for seed and cutting raising and are available in sheets.

Growblocks are wrapped in plastic and come with a hole ready to accept the Miniblock to grow on the plant.

Maxiblocks are your final step for many crops. From cucumbers to cannabis, there is enough room for active root development to support the crop.



PROPTec CODE	NAME	UNITS/Carton
Gro-RW-334	Miniblock – Rockwool 3cm x 3cm x 4cm	3128
Gro-RW-10107	Growblock – Rockwool 10cm x 10cm x 7cm	216
Gro-RW-151515	Maxiblock – Rockwool 15cm x 15cm x 15cm	48



This lightweight biobased textile is designed for the hydroponic production of microgreens, salad greens and wheatgrass. BioStrate absorbs and retains water while providing an optimal environment for dense healthy root development. Our blend of biopolymers and natural fibres is designed to manage water efficiently for optimal growth in a variety of hydroponic systems.

BioStrate 185gsm is certified compostable*. However, it will maintain its structural integrity for the entire crop cycle and won't clog filters. Custom widths and pre-cut shapes are available.

*DISPOSAL: This product meets ASTM D6400 and is intended to be composted in a commercial composting facility operated in accordance with best management practices. These do not exist in many communities.

*Not suitable for backyard composting.



Grower benefits

- Holds the optimal amount of water
- Roots are stabilised
- Compostable*
- Ready to plant, no pre-treatment required
- Custom widths available
- Lightweight
- Easy to use

PROPTEC CODE	DESCRIPTION	UNITS/CTN	UNITS/PALLET	THICKNESS
Gro-BS-22.5-185	BioStrate 22.5cm x 36m roll 185gsm	4	72	4mm
Gro-BS-22.5-300	BioStrate 22.5cm x 36m roll 300gsm	4	72	7-10mm
Gro-BS-91.5-185	BioStrate 91.5cm x 36m roll 185gsm	1	18	4mm
Gro-BS-91.5-300	BioStrate 91.5cm x 36m roll 300gsm	1	18	7-10mm
Gro-BS-23x49-185	BioStrate 23cm x 49cm sheet 185gsm	240	4800	4mm
Gro-BS-23x49-300	BioStrate 23cm x 49cm sheet 300gsm	200	4000	7-10mm

Retail Packs



PROPTEC CODE	DESCRIPTION	UNITS/CTN	UNITS/PALLET	THICKNESS
Gro-BSRR-23X49-185	6 x BioStrate 23cm x 49cm sheets 185gsm	20 Packs	20 Cartons	4mm
Gro-BSR-23X49-185	B6x BioStrate 23cm x 49cm sheets, 185gsm, 2x Reservoir trays, 1x Clear dome	12 Kits	20 Cartons	4mm

Terrafibre Grow Mats

Using the fibrous by product of the industrial hemp plant, Terrafibre™ have created Terrafibre™ grow mats. Terrafibre™ grow mats are ideal for microgreens, sprouts, wheatgrass and other short rotation crops. Industrial hemp fibres are separated, cleaned and needle punched to produce a 100% biodegradable soilless growing medium. Fibres are separated through a decoration process without the use of any chemicals and our needle punching technique creates a light texture for roots to easily grow through. Hemp fibres have high water retention, keeping seeds wet through germination. all of the hemp used is grown, processed, and manufactured in Canada.



Grower benefits

- Promote sustainable growing practices
- Strong fibres to support rooting
- Fully biodegradable and compostable
- Cleaner to use than soil or coco
- Made from natural sustainable fibres
- Promotes high germination rate



PROPTEC CODE	DESCRIPTION	UNITS/CTN	UNITS/PALLET	DENSITY
Gro-TF-23x49-450	Terrafibre 23cm x 49cm sheet 450gsm	200	3200 sheets	450gsm
Gro-TF-23x49-750	Terrafibre 23cm x 49cm sheet 750gsm	180	2880 sheets	750gsm
Gro-TF-23x49-1300	Terrafibre 23cm x 49cm sheet 1300gsm	140	2240 sheets	1300gsm
Gro-TF-22.5-450	Terrafibre 22.5cm x 43m roll 450gsm	4	72 rolls	450gsm
Gro-TF-22.5-750	Terrafibre 22.5cm x 55m roll 750gsm	4	32 rolls	750gsm
Gro-TF-91.5-450	Terrafibre 91.5cm x 43m roll 450gsm	1	18 rolls	450gsm
Gro-TFRR-23x49-750	Terrafibre Refill Pack 750gsm - 6 sheets per pack	20 Packs	20 cartons	750gsm
Gro-TFR-23x49-750	Terrafibre Retail Complete Kit - 6 sheets per pack, 2 reservoir trays, 1 clear dome	12 Kits	20 cartons	750gsm



Hemp Fibre Growing Cubes

An all-natural growing media for starting seeds or transplanting cuttings, made from industrial hemp. Terrafibre growing cubes combine two parts of the industrial hemp plant to provide an ideal growing environment. Bast fibres are high in water holding capacity and provide the strength for roots to attach to. Hurd is the larger “woody” fibres that increase air porosity in the cube.

Terrafibre growing cubes are a sustainable alternative to rockwool, peat moss, or coconut. Hemp is primarily farmed for it’s seed and the stalk/fibre is traditionally wasted. Through innovative processing and heat sterilisation we are able to upcycle the fibres to create a truly sustainable growing media.

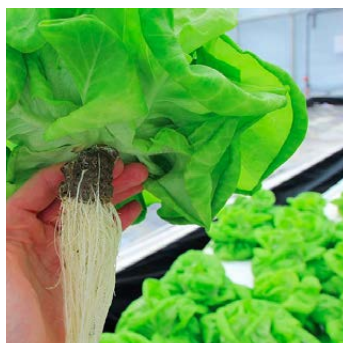
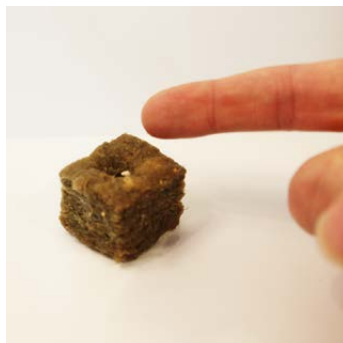
Our growing cubes are completely biodegradable and compostable. Hemp fibre is an incredibly strong fibre so will take 1-2 years to break down completely. Add to garden soil to break up clay soils and increase water absorption.

Grower benefits

- Strong fibres to support rooting
- High water holding capacity
- Promote sustainable growing practices
- Fully biodegradable & compostable
- Cleaner to use than soil or coco
- Made from natural, sustainable fibres
- Promotes high germination rate
- Suitable for Hydroponic



PROPTEC CODE	DESCRIPTION	UNITS/PACK	PACKS/CARTON
Gro-HC-38-ctn	Hemp Cubes 38x38mm -Carton	1568	1
Gro-HCR-9-38	Hemp Cubes Retail 9 Pack 38x38mm	9	44
Gro-HCR-98-38	Hemp Cubes Retail 98 Pack 38x38mm	98	16
Gro-HC-10-lse	Hemp Cubes 10x10x10mm - Loose	28 litres	5
Gro-HCR-4-50	Hemp Cubes Retail 4 Pack 50x50mm	4	36



Hemp Fibre Growing Blocks



Transplant your 38mm cubes into this block to give the roots the extra space they need. For shorter rotation crops this may be a large enough media or transplant onto the slab or into our loose fill for the remainder of the growth cycle. Blocks have a 38mm diameter hole on the top and channels along the bottom to increase air flow. Like all TerraFibre products, blocks are fully biodegradable and compostable.



Grower benefits

- 100mm x 100mm block for 38mm cubes to be transplanted into.
- Blocks are 100% biodegradable and compostable.
- Blocks are 100mm x 100mm x 64mm.
- The Blocks are highly absorptive.
- TerraFibre™ Blocks are a sustainable alternative to rockwool, peat moss, or coir.
- Promotes high germination rate.

PROPTEC CODE	DESCRIPTION	UNITS/PACK	PACKS/CARTON
Gro-HB-6-100	Hemp Block 6 Pack 100x100mm	6	24
Gro-HB-100-ctn	Hemp Block 100x100mm - Carton	144	1





GREENTERRA

Baltic Peat

Baltic peat is widely known for its physical, biological, and chemical properties. The climate and geological conditions in these latitudes foster the development of the valuable properties of peat.

The most important component of soil is organic substances, which make up the structure of soil and are an essential growth stimulant. Peat ensures high moisture absorbability, air circulation around the plant roots, and low heat conductivity, thus creating optimum conditions for cultivating plants and stimulating development of the root system. Baltic peat ensures the best possible environment for plant development and the formation of a root system.

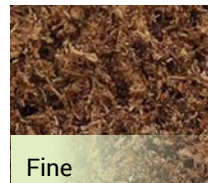
You can use the peat that we offer as a raw material for producing substrates, as well as to improve the soil in horticulture and agriculture.

Substrate Peat Block peat

Pre formulated substrates – 250 litre bags

Pre formulated Greenterra substrates are produced in modern mixing facilities where the peat's texture is maintained. Besides the large selection of various peats (block peat, milled peat, structure and level of decomposition), Greenterra also offers many aggregates such as clay granulate, perlite, fertilisers, such as micronutrient fertiliser and patterned release fertiliser, and other materials.

Order lead time may be 4-5 months for container orders.



Fine



Medium



Course

PROPTec CODE	DESCRIPTION	GRADE	VOLUME/BALE	BALES/PALLET
Peat-0-7-300L	Peat 0-7 mm - 300L	0 - 7mm	300 litres	18
Peat-0-7-6m3	Peat 0-7 mm - 6000L bale	0 - 7mm	6000 litres	1
Peat-0-20-300L	Peat 0-20 mm - 300L	0 - 20mm	300 litres	18
Peat-10-30-300L	Peat 10-30mm bale - 300L	10 - 30mm	300 litres	18
TC10-250L	Substrate TC10 - fine0-10+perl	0 - 10mm + 10% Perlite	250 litres	18
TC10-70L	Substrate TC10 - fine0-10+perl	0 - 10mm + 10% Perlite	70 litres	45
TC2-250L	Substrate TC2 - med 0-20mm	0 - 20mm	250 litres	18

Raw Peat

White Block Peat – 300L bags & 6000L big bales

Standard peat: 0 - 7mm – Fine peat

0 - 20mm – Medium peat

The fine texture ensures a very high level of water retention, which protects the plants from drying out. It is often used as soil to foster sprouting (frequently for automatic sowing lines). Suitable for the reproduction of seed vegetables, trees, ornamental plants, as well as for improving other types of soil.

Coarse fraction peat

10-30mm Coarse texture peat

This peat is intended for perennial potted plants (trees and shrubs), because they ensure high air capacity. Coarse fraction peat ensures air exchange and drainage of the same level as that which can be achieved with the presence of perlite and vermiculite.



Perlite



PropTec Horticultural

Horticultural Perlite

Perlite is 100% natural siliceous volcanic mineral (amorphous volcanic glass), formed by the sudden cooling and solidification of volcanic ash, which traps crystalline water into its mass.

Expanded perlite is a lightweight soil conditioner, loosens clay soil, reduces caking, and improves drainage and aeration. Blend peat moss and perlite for custom soilless mix. Can be used to start seeds, propagate cuttings and store bulbs.



Grower benefits

- Improves aeration & drainage.
- Makes moisture & nutrients readily available to plants.
- Has essentially neutral pH of 6.5 to 7.5.
- Sterile and free of weeds & diseases.
- Non-toxic, odourless etc.



PROPTEC CODE	GRADE	SIZE	VOLUME / BAG
Perlite 1-3mm	Fine	1-3mm	100L/bag
Perlite 2-4mm	Medium	2-4mm	100L/bag
Perlite 4-8mm	Course	4-8mm	100L/bag
Zeolite-0.8-1.5-20kg	Fine	0.8-1.5mm	20kg/bag
Zeolite-0.8-1.5-bulk	Fine	0.8-1.5mm	500kg/bulk bag
Zeolite-1-4-20kg	Medium	1-4mm	20kg/bag

Zeolite

Zeolite is used in most of our TopMix potting medias to aid in the CEC (Cation Exchange Capacity).

Grower benefits

- High Cation Exchange Capacity (CEC).
- Very high affinity for water increases rewettability of media.
- Lighter than sand.
- Safe natural product.
- Available in 20KG and 500kg bulk bags.





Jiffy Coir

Coco Products

Coco substrate has a variety of uses, depending on the way the coconut husk is processed. It can be divided into three forms: Husk Chips (HC), Coco Pith (CP) and Crush. Husk chips are produced by cutting fresh green husk into sleeves and chipped afterwards. Coco pith is fine material combed off the coconut fibres. Crush is the whole husk ground to form a combination of chip and pith.

Products and RHP

After treatment that includes ongoing washing and buffering the raw material gains RHP certification that is necessary for it to be considered for use in Holland. It is free of weed seed and is monitored throughout the entire process. EC is typically < 0.05mS/cm 1:1.5 dilution.

Expanded Coir

Coir is available already expanded into 30L bags. Currently this is available in 100% Pith.

JIFFY COCO PRODUCTS

Unbuffered Coir (OMRI)

Some coir products can be washed but unbuffered which can result in the release of Na and K from the coir at a later stage in your production. This has EC raising effect in your potting mix and can be problematic for salt sensitive crops.

TYPE	VOLUME	TREATMENT	EC
RHP 10mm Husk Chip	55-60L (5kg)	Washed and buffered	<0.5mS/cm
RHP Coco Pith	60-65L (5kg)	Washed and buffered	<0.5mS/cm
OMRI Coco Pith	60-65L (5kg)	Washed	<1.5mS/cm
RHP 50% Pith 50% Chip	60-65L (5kg)	Washed and buffered	<0.5mS/cm
RHP 60% Pith 40% Chip	60-65L (5kg)	Washed and buffered	<0.5mS/cm

*EC measurements taken using 1:1.5 Dilution H2O

PROPTec CODE	NAME	TYPE	UNITS/PALLET
Jif-CB-100c-RHP	5kg block 100% chip-RHP	Coir Block	224
Jif-CB-100p-RHP	5kg block 100% pith < 8mm- RHP	Coir Block	220
Jif-CB-100p-OMRI	5kg block 100% pith -OMRI	Coir Block	220
Jif-CB-50p50c-RHP	5kg block 50% pth 50% ch-RHP	Coir Block	224
Jif-CB-60p40c-RHP	5kg block 60% pth 40% ch-RHP	Coir Block	224
Jif-EX30-100p	30L Bags Expanded Coir 100% pith	Coir Pith Expanded	72





Coir Discs

Jiffy CD

The Jiffy Coir Disc is specially designed for the cultivation of Gerbera, providing maximum structure stability and an optimal air/water ratio. The Jiffy treated media guarantees against high Na and K values, avoids excessive conductivity while at the same time having Ca and Mg readily available through the fertiliser added to the substrate.



PROPTec CODE	NAME	PALLET QUANTITY	MIN QTY PER CARTON
CDG-145-ctn	Coir Disc Oz 145mm	1680	40
CDG-135-ctn	Coir Disc Euro 135mm	2688	56

The disc concept is to utilise the maximum fibre content in the substrate to obtain the maximum structure stability and optimal air/water ratio. The handling volume is reduced making for easy handling of the material and lower transportation costs. By using the Jiffy CD, no extra pot filling equipment is required and no bulky substrate needs to be handled.

Gerbera can be grown in 100% coir, or mixes of coir and perlite. The Jiffy CD will, just like all coarse coir, contain about 75% water and 25% air.

As coir substrates can vary widely in quality due to the need of proper treatment of the media, Jiffy guarantees the quality of the Jiffy CD to conform to the need of the horticultural industry.

This means that Sodium (Na), Potassium (K) and Chloride (Cl) levels are as low as possible. This avoids problems related to Calcium (Ca), Magnesium (Mg) and other useful fertiliser components becoming unavailable to the plants.





Alsa

Alsa repels thrips and other insects and makes insect control more effective.

Grower benefits

- Repels thrips and other insects exposing them to regular pesticides.
- Garlic odour and taste of the plant becomes unattractive to the insect.
- Insects become more accessible.
- Alsa is systemic in the plant.
- Remains active in the plant for 7-10 days.
- Application via dosing pump or with nutrient feed.
- Can also be applied with insecticide as a tank mix



PROPTEC CODE	NAME	USE	CONTAINER SIZE	PALLET QUANTITY
Der-ALS-5L	Deruned Alsa 5 litre	Natural Insect Repellent	5 L	120
Der-ORI-5L	Deruned Oriand 5 litre	Natural Insect Repellent	10 L	60
Der-SAP-5L	Deruned Saponin 5 litre	Natural Wetting Agent	5 L	120

Oriand

Liquid organic fertiliser

Grower benefits

- Oriand – Thrip deactivator, reduces breeding
- Organic compound based on several plant extracts.
- Upsets thrip feeding patterns causing them to cease to feed and lay eggs.
- Important to use weekly.
- Begin to use before the active thrip breeding season in spring.
- Safe to tank mix with other products.



Saponin

Saponin is a natural wetting agent

Grower benefits

- Based on extracts of Yucca.
- Improves the effectiveness of crop protection products.
- Causes no leaf burn or flower petal markings.
- Fast crop drying time.
- Can be used with all common products for integrated pest management.
- Add Saponin into tank last.



GREENCARE

Complete Nutrients

Greencare invented the first fertiliser that contains all 12 nutrient elements that are needed for the complete life cycle of the plant in a completely water soluble form.

Balanced Nutrients

Greencare produces specialty formulations needed for each stage of plant growth: seed sprouting, green top growth, flower bud for fruiting, and ripening for harvest quality. Each stage of growth requires a different ratio of balanced nutrients.

Formulations are available on the Proptec website.

Fully Ionic State

Plants can only use nutrient elements in the ionic form; whether the fertiliser is organic, chemical or biological in origin. If the fertiliser is completely dissolved it is in the ionic form. Greencare proprietary chemistry uses SEPLEX to produce a completely ionic fertiliser solution.

Good Compatability

Greencare fertiliser has good compatibility with most plant protective chemicals and can be applied with pesticides saving labour.

PROPTEC CODE	ITEM NUMBER	BAG SIZE	PALLET QUANTITY
Gre-13:2:13	Greencare 13:2:13 6Ca:3Mg	11.34kg	100 bags per pallet
Gre-14:4:14	Greencare 14:4:14 5Ca:2Mg	11.34kg	100 bags per pallet
Gre-17:5:17	Greencare 17:5:17 5Ca:2Mg	11.34kg	100 bags per pallet
Gre-20:10:20	Greencare 20:10:20	11.34kg	100 bags per pallet

Greencare 13:2:13

An Ideal start fertiliser for all plug production. Low phosphorous will keep your plugs from stretching while maintaining good colour. Added Ca & Mg makes this a complete feed for your plug. 13:2:13 is a basic fertiliser.

Greencare 14:4:14

For later growth of annuals and perennials in packs and pots. This complete fertiliser has added calcium and magnesium and is a basic fertiliser for substrate with a pH of 5.8 or below. Can be used as a plug booster to push them along.

Greencare 17:5:17

This is an all purpose complete fertiliser for all indoor & flowering pot crops. Being a neutral fertiliser, it will not cause your substrate pH to drift.

Greencare 20:10:20

20:10:20 is an industry standard all purpose liquid fertiliser. A slightly acidic fertiliser will help keep the substrate pH from drifting higher. Contains no Calcium so consider providing supplemental Ca in rotation.



Terms and Conditions

Highsun Express Seeds Pty Ltd

Terms and Conditions: All invoices, order confirmations, sales orders, purchase orders, others, are subject to the terms and conditions of Highsun Express Seeds Pty Ltd, t/as Highsun Express and Proptec (Highsun) ABN 45 083 501 615.

To obtain a copy of the Terms and Conditions please visit the terms and conditions tab on www.highsun.com.au www.proptec.com.au , www.highsunexpress.com or contact Highsun Express via email at info@highsun.com.au Prices are correct at the time of printing document, Highsun Express reserves the right to alter pricing and modify terms and conditions at any time.

Our Suppliers:



See the Suppliers website below for more specific information:

www.ellepot.com

www.na.quickplug.global (USA)

www.greenterra.com

www.jiffy.com

www.blackmore.com

www.nl.quickplug.global (EU)

www.deruned.nl

www.proptek.com

www.terrafibre.ca

www.oasisgrowersolutions.com



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