

## CULTIVATE IN ENVIRONMENTS SUITABLE FOR THE CLIMATE - SOIL CONDITIONS ARE NOW IRRELEVANT

The beauty of nature is back



Onetra Hydro is made from 100% biodegradable coir materials which enhances the nutrient-carrying capacity of plants, inducing uniformity in growth by enhancing microbial activity. Great water retention and the ability to rehydrate, supporting superior root development and foliage growth are the benefits that make most nurseries, and commercial growers the number one choice.

### »»» WHAT IS COIR SUBSTRATE?

This soilless growing media is made from the fibres found between the coconut shell and its outer surface which is a 100% natural material. This high-quality and versatile growing substrate is pre-washed with clean EC water to reduce salt and remove any contamination and goes through a buffering process to remove excess Potassium and Calcium, and these compressed blocks are available in co-extruded polythene bags UV-treated for 2 years. They are easy-to-handle, form a cost-effective and convenient method of storage and transport.

### »»» WHY GROW IN COIR GROW BAGES?

- Cultivate in environments suitable for the climate - soil conditions are irrelevant
- Fulfilling genetic capabilities - enhancing yields and prolonging growing seasons
- Earlier ROI through accelerated maturity and increased early harvest
- Able to adjust Water Holding Capacity WHC and Air Fill Porosity AFP for optimal steering throughout the crop cycle
- Improved control of the root-zone area, moisture, EC, pH.
- Reduction of soil-borne disease risk
- Improved production per unit area through higher per Ha cropping densities
- Increase in berry quality - average fruit size, increased shelf life, aesthetics and flavour
- Increased size and quality of products enhancing opportunities for premium markets
- Minimisation of cultivation inputs like fertilisers, water, and agricultural chemicals
- Resistant to bacteria, fungus, mould, pest
- A significant reduction in harvesting labour costs (approx. 30%)
- An increase in labour pool size due to the improved harvesting conditions (waist high harvesting in lieu of picking from the ground)
- A significant reduction in the cost of ground preparation and site maintenance

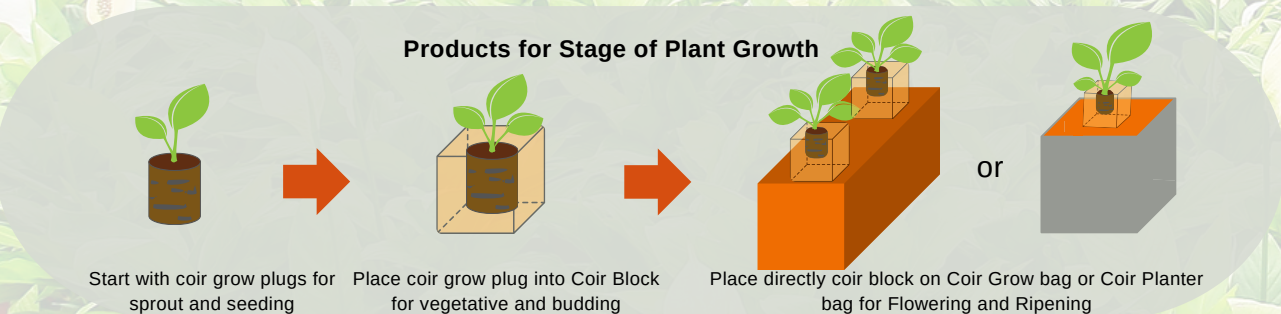
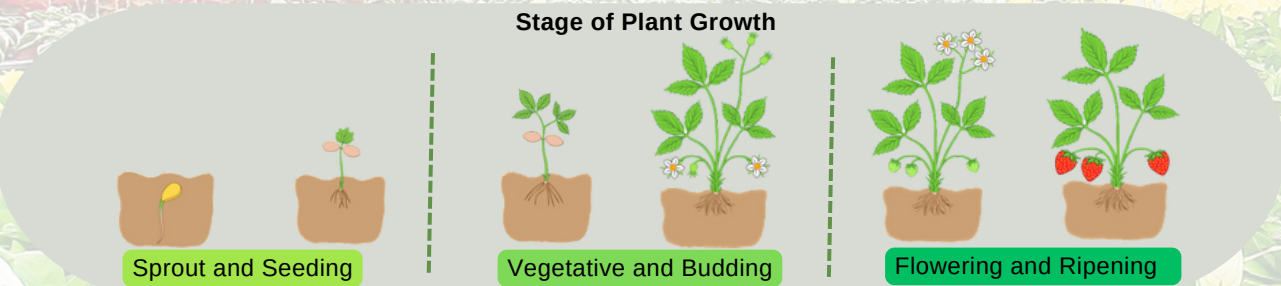
## EXCELLENT AERATION AND DRAINAGE

Onetra Hydro grow bags Essential and Premium series of grow bags filled with coir can help facilitate plant growth and strengthen your plants' roots. Each series from with different coir peat, chip and fibre ratios to maintain its required weather requirements for the crop.

This lightweight growing medium is for grow bags that provide excellent aeration and drainage, allowing roots to breathe and preventing waterlogging. This supports that the plants receive the right amount of water and oxygen, leading to healthy growth and maximum yields.

Coir peat is 100% biodegradable and this renewable resource is gentle on the planet. After rehydrated, coir is a reusable resource that will help plants germinate for years. once it starts to decompose, coir can be used as a natural fertiliser to add nutrients to your soil. coir fibres, as a biodegradable material, leave behind no waste.

Therefore no risk to the environment using them such as peat moss. Derived from grassy and mossy wetlands, peat moss identified that there is a significant negative impact due to disadvantages that have been unearthed such as poor nutrition, plant diseases and environmental implications.



## PRODUCTS CONSISTENCY EVERY STAGE OF PLANT GROWTH

Sprout and Seeding



### Grow Plug

Onetra Hydro Grow Plugs are 100% biodegradable and perfect for seeding or transplanting. A special combination of fine coir mix supports baby plant roots to easily develop and distribute around the plug. Once baby plants have matured they can be transplanted into a coir grow block or into a pot for further development until become a young plant.

Vegetative and Budding

### Grow Blocks

Onetra Hydro grow blocks are fully washed and buffered mix of small cocopeat particles rich with calcium levels to support the perfect young plant's growth. Compressed coir packed in a biodegradable flexible netting ready to use when simply adding water. Once young plants have matured they can be transplanted into planter bags or coir grow bags.



# HOW IT HELPS FOR THE PLANTS AND PLANETS

## Planter Bags

Onetra Hydro Open Planter Bags are available in two series and come with pre-cut drainage. Each plastic open top comes with fine custom-formulated coir substrates compressed as a block designed for quick hydration. The co-extruded polythene bags UV-treated for 2 years.



## Onetra Hydro Grow Bags

Onetra Hydro GrowBags come in different mixes of coir peat and coir chips offering different water contents to suit grower preference and local climate. Each grow bag comes with a compressed coir block designed for quick hydration. Grow bags are available in different series and a variety of sizes with drilled dripper holes, 3 - 6 pre-cut holes and drainage, and this can be customised based on crop requirements. The co-extruded polythene bags UV-treated for 2 years.



# GROW BAGS AND PLANTER BAGS RANGE

Type of Bag	Product Range	Product Size (cm) (LxWxH)	EC Level (1:1.5v/v)	Potassium Content	Water Holding Capacity (WHC)	Air Filled Porosity (AFP)	Weight (Approx)
Grow Bag	Arid	100x15x10	<1200	>60	48%-52%	40%-42%	2kg
		100x18x08	<1200	>60	48%-52%	40%-42%	2kg
		100x18x10	<1200	>60	48%-52%	40%-42%	2kg
	Drizzle	100x15x12	<3000	>60	55%-58%	30%-34%	3kg
		100x15x14	<3000	>60	55%-58%	30%-34%	3kg
		100x18x12	<3000	>60	55%-58%	30%-34%	3kg
		100x18x14	<3000	>60	55%-58%	30%-34%	3kg
	Aquatic	100x15x08	<1200	>60	60%-62%	20%-25%	2kg
		100x15x10	<1200	>60	60%-62%	20%-25%	2kg
		100x18x08	<1200	>60	60%-62%	20%-25%	2kg
		100x18x10	<1200	>60	60%-62%	20%-25%	2kg
	Planter Bag	Open Duo	15x15x24	<1200	>60	52%-54%	25%
18x18x24			<1200	>60	52%-54%	25%	1kg
Prime Duo		15x15x24	<300	<60	52%-54%	25%	1kg
		18x18x24	<300	<60	52%-54%	25%	1kg

# PRODUCE ECO FRIENDLY GROWING PRODUCTS IS OUR BUSINESS

## >>> WHO WE ARE

We are pleased to introduce ourselves as one of the leading stockiest coir grow bags and coir-based horticultural products. With the environmental impact of the high wastage of non-degradable products and growing challenges, we came up with solutions introducing biodegradable coir-based products to save the planets we all love.

Our business is the production of innovative coir-based horticultural products and supplier for passionate worldwide growers who aim to meet their growing needs to achieve optimum harvest. Everything we developed with love and maximum effort to simplify your growing needs

We are an Australian-owned and operated company. Our production facility is overseas certified for coir product manufacturing and licence holder for export for any market. At Onetra Hydro we believe there is a better way to do growing to gain optimum harvest for the hard work you always put on. As technology advances and innovation proves increasingly successful, our dedication remains to provide sustainable products. We recognise the importance of our role in introducing greener products to mitigate growing challenges and offer effective solutions for the daily needs of businesses and consumers worldwide.

Please check our all products on page 4, and if you wish to get more information please visit our website or simply give us a call.



## PREMIUM QUALITY

We ensure  
anything we  
supply is  
genuine and  
made with  
premium  
materials to meet  
the highest  
quality standards

**Onetra Hydro**

Coir Products for Optimum Harvest

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## COIR POTS



Coir pots are produced from rubberized coir moulded into different pot sizes which are suitable for any plant. Our pots are 100% biodegradable and once the plant is mature you can directly plant into another bigger pot or in the ground.

**Small Sizes - (DXHXB)** 5.8cmX13cmX3.2cm (Root container)

|| 8cmX11.5cmX5.5cm || 9.5cmX9.5cmX7.5cm || 13cmX10cmX10cm

**Large Sizes - (DXHXB)** 17cmX17cmX11.5cm (Gallon1) || 23cmX20cmX16cm (Gallon2) || 28cmX22cmX20cm (galloon3)



## MICROGREEN TRAY AND SHEET

Coir Microgreen Tray & Sheet is produced from rubberized coir. This 100% biodegradable product can be harvested 2-3 times before being disposed to the garden. It will break down naturally in the soil over time.

Tray Size - (LXWXH) 27cmX17.6 cmX4cm || Sheet Size - 26cmX17cmX0.5cm



## COIR DISC

The compressed coir discs expand to the required volume when water is added. They are great for adding directly into grow pot for planting or use as a soil conditioner. Various types of coir discs are available to suit the moisture ratio and EC level for plant requirements.

Sizes - Diameter 4cm - makes 0.5L (Appox) || 5cm - makes 1L (Appox) || 6cm - makes 1.1L (Appox) || 7.5cm - makes 1.4L(Appox) || 10cm - makes 1.5L (Appox) || 12cm - makes 1.75L (Appox)



## COIR POLES

Coir Pole is a plant growing aid made from rubberized coir sheets wrapped around PVC poles which provides extensive grip to the creeper allowing for faster growth. The coir sheet gives plants cool & moist support and being porous, helps the plant to develop many tiny roots throughout the surface. Available in different lengths as per plant requirements.

Sizes - Length 45cm || 60cm || 90cm || 120cm || 150cm



## COIR WEED MATS

Coir weed guard mats are manufactured from rubberized coir sheets and place on top of the soil restricting the growth of any weeds or fungus surrounding the plant but allowing water, air and nutrients to get to the plant roots. Various densities, shapes and sizes are available to meet your needs.

Sizes - Round Mats Diameter 15cm || 21cm || 29cm || 45cm || 60cm



## COIR GROW BAGS AND PLANTER BAGS

Onetra Hydro grow bags Essential and Premium series of grow bags made filled with coir facilitate plant growth and strengthen your plants' roots. Each series from with different coir peat and coir chips ratio to maintain its required water content for draining requirements for the crop and meet the weather requirements. Please visit our website about the product range and specifications.



## COIR GROW PLUGS AND BLOCKS

Compressed Coir packed in a biodegradable flexible netting ready to use when added water. These grow plugs are great for germination or propagation and when baby plants are ready, they can be transplanted directly inside the Coir Grow block or into the pot for further development until become a young plant.

Size (Compressed) - Plug Diameter 25mm || Blocks - (WXH)5.4cmX1.3cm



## COIR BRICKS

The compressed Coir Bricks expand to the required volume when water is added. They are great for adding directly into grow pots for planting or use as a soil conditioner, also use as an insulation layer to reduce water vaporisation. Various types of Coir Bricks are available to suit the moisture ratio and EC level for plant requirements.

Sizes - (LXWXH) 20cmx10cmx5cm - 1kg - makes 14L (Appox) || 20cmx10cmx15cm - 5kg - makes 70L (Appox)