Eco-friendly Sustainable Lifestyle

PRODUCT CATALOGUE 2022

shenlygrow.com

Shenly GROW
GROWER'S SOLUTION

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What we offer

At Shenlygrow, we focus to provide an eco-friendly sustainable lifestyle by offering innovative and affordable growing solutions to growers around the world with an extensive portfolio of products.

Our goal is to help growers increase production quality and get the best crop yields within a short period driving customer satisfaction.

As a manufacturer, we can keep a tight rein on quality control throughout all stages of production—from the selection of raw materials at the source and the creation of bespoke mixes to processing, packaging, and palletizing.

Driving customers' expectations are one of our key factors, with a specialized team that designs mixes, formats, and packaging to suit the needs of our customers and constantly adapts to market demands.

What is Shenly's role in the coconut industry ?

We are a family-run coco substrate supplier specializing in the manufacture and supply of standardized, quality substrate products in coir grow bags, open-top containers, home gardeners, and potting soil suppliers around the world.

In the first decade of the 21st century, we began to produce coco peat substrate to satisfy the growing demand from growers across the globe.

Over the past 15 years, we have gained extensive technical knowledge on the behavior of cocopeat in growing, working in close collaboration with our customers in the field has shown us that growers are more looking to move for innovative and affordable growing solutions to meet better harvesting results. This has become the driving force behind the creation of Shenlygrow.

Shenlygrow was a brand that produced products made purely from organic materials taking cocopeat and husk chips as primary raw materials and manufacturing coir-based products for the professional agriculture sector and hobby sector to the local and international markets.

At present, our know-how and expertise in coir consolidate our position as a manufacturer and supplier of coir substrate products.

We understand what works and take great pride in providing quality product solutions suitable for all types of growing conditions and climates to growers around the world with the aim provide better harvesting results within a short period driving customers' expectations, but also exceeding them.

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The manufacturing process

We manufacture coir fibre directly on our premises in Sri Lanka, where we select coconut husks and follow a process of grinding, aging, drying, and sieving to obtain raw materials with added value.

After these processes, we mix different structures and carry out compression and shrink-wrapping process to optimize transport. During production, we perform several quality controls to ensure the stability and homogeneity of the products.

01 Raw materials processing

Obtaining raw materials begins with selecting coir husks, which undergo different defibering processes to obtain the raw materials for coir fiber production: ground coconut husks, fibre, and chips of different sizes.

Drying 02

Coir fibre is spread across drying floors, reaching high temperatures that make it possible to get the right moisture level.

03 Screening

Raw materials undergo a screening process to separate the different particle sizes and reduce the percentage of fine particles and long fibres.

Mix 04

Using the manufacturing recipes defined by our technicians, we create different mixes of raw materials to obtain specific solutions for each type of crop.

05 Compacting

The final product is compacted, following its product format (blocks, briquettes, slabs, or open tops).

Packaging 06

The product undergoes quality controls to ensure that it is in optimal condition. After inspection, the final product is packaged and palletized.

Advantages of Coir Fibre

Coir fibre is an essential component for soilless growing. Whether used directly in a ready-to-use format or used as a raw material to create growing media, it is an excellent growing medium for a wide variety of farming applications.

Coir fibre has unbeatable properties in terms of plant root development and rehydration of the medium. Here are some of its key benefits :

ADVANTAGES

- 100% organic raw material with a high cation exchange capacity. It is characterized by its great capacity for water retention and aeration.
- Particularly recommended for use in areas where water is a limiting factor in production as it significantly reduces water use.
- The different particle sizes obtained during processing make it possible to create mixes suited to the crop characteristics, drainage, and aeration appropriate for the growing media to maintain optimal moisture levels and excellent root development. Adding coir chips delivers great durability to the growing media, which can be reused between 2 and 5 years depending on the percentage added.
- It doesn't become too compact, avoiding agronomic challenges and waterlogging that may be harmful to plants.
- It makes homogeneous production possible, and therefore, completely under control.
- It increases planting density through the efficient use of fertilizers and water.
- It advances and delays crop cycles.
- It saves on labor costs thanks to its simple setup and facilitates harvesting.
- It insulates plants from the ground to avoid the proliferation of diseases and plagues. Its format makes it possible to remove an affected plant without contaminating the rest directly.
- It allows savings on logistics costs as it is supplied in a compact format.

PROPERTIES

Long useful life

Organic, renewable, and recyclable.

Technical screening

Homogeneous distribution of the mix and excellent screening

100% natural material

Obtained from a renewable source without damaging the environment.

Technical specifications

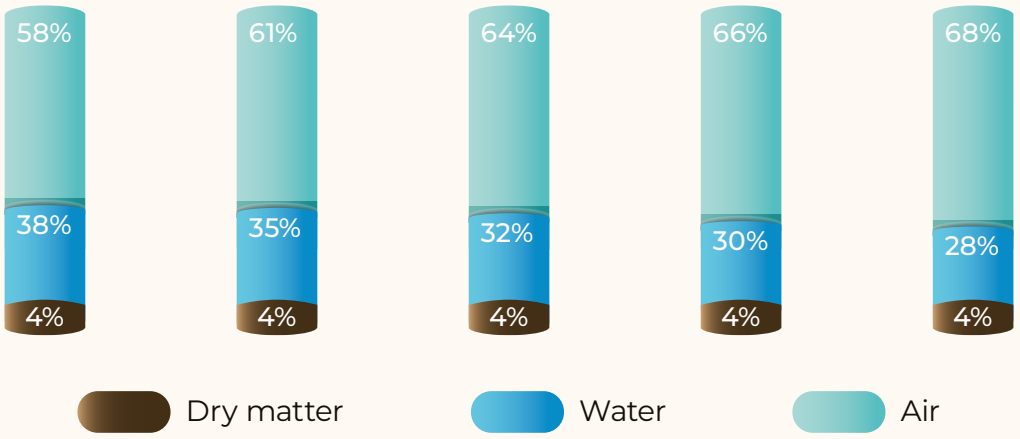
Shenlygrow offers a range of mixes for growers incorporating coir pith and coir chips, and short fibre in varied ratios to offer the required water content. Each of our mixes has been specifically designed to induce the stage required depending on crop needs, Climate conditions, Irrigation System, Irrigation method, and duration of the growing period. We have developed five types of mixes Eco, Blend, Smooth, Crush, and Crush Pro. These mixes are available at Low EC, and High EC. We also do as per customer request.

MIX	ECO	BLEND	SMOOTH	CRUSH	CRUSH PRO
Cocopeat	100%	70%	50%	30%	20%
Chips		30%	50%	70%	80%
pH	6	6	6	6	6
EC ms/cm 1:5 method	< 1	< 1	< 1	< 1	< 1
Drainage	--	-	+	++	+++
Structure	Fine	Fine	Medium	Coarse	Coarse
Irrigation	💧💧💧	💧💧💧💧	💧💧💧💧💧	💧💧💧💧💧💧	💧💧💧💧💧💧💧💧

Application

✓	✓	✓	✓	✓
✓	✓	✓	–	–
✓	✓	✓	–	–
–	–	–	✓	✓
–	–	✓	✓	✓
✓	✓	✓	✓	✓

Physical Characteristics



Products

Coir Grow Bags

Hydroponics Grow Bags are a popular choice for multipurpose growing medium for vegetables, fruits, and flowers are made up of a special blend of cocopeat (without fine dust particles) and husk chips.

ADVANTAGES

- Ready-to-use growing medium.
- Evenly distributed roots.
- Faster root growth and healthier stem.
- Balance pH with low EC and high EC.
- Different particle sizes depending on crop and watering needs.
- Format adaptable to the farming technique.

CROPS

MEASUREMENTS	UV-STABILIZED PLASTIC PROTECTION	UNITS PER CONTAINER
100 x 18 x 15	3 years*	approx. 8,520
100 x 18 x 14	3 years*	approx. 9,120
100 x 18 x 12	2 years*	approx. 9,960
100 x 18 x 10	2 years*	approx. 12,840

*The durability of the plastic varies depending on the crop, location, use, and other factors and circumstances affecting its "durability/resistance". The information provided is general in nature, which is why it is not valid for all crops and planting locations.

- **Use: Ready-to-use growing medium.**
- **Product mixes: Eco, Blend, Smooth, Crush, Crush Pro.**
- **Conductivity options: High EC / Low EC.**
- **Format available with planting/drainage holes.**

Coir Open Tops

Mostly demand organic Bags specially developed for berry growers, Cannabis growers, and large plants for easy growing.

ADVANTAGES

- Ready-to-use growing medium.
- Evenly distributed roots.
- Faster root growth and healthier stem.
- Balance pH with low EC and high EC.
- Different particle sizes depending on crop and watering needs.
- Format adaptable to the farming technique.

CROPS

MEASUREMENTS	UV-STABILIZED PLASTIC PROTECTION	UNITS PER CONTAINER
30 x 30 x 30	3 years*	approx. 7,200
30 x 30 x 27	3 years*	approx. 8,100
15 X 15 X 15	1 years*	approx. 38,400
15 x 15 x 21	Without plastic	approx. 46,080

*The durability of the plastic varies depending on the crop, location, use, and other factors and circumstances affecting its "durability/resistance". The information provided is general in nature, which is why it is not valid for all crops and planting locations.

- **Use: Ready-to-use growing medium.**
- **Product mixes: Eco, Blend, Smooth, Crush, Crush Pro.**
- **Conductivity options: High EC / Low EC.**
- **Format available with planting/drainage holes.**

Coir Slabs without plastic

The latest technique sweeping through the agricultural sector is the addition of coir fibre to the ground to improve its structure, aeration, and drainage capacity.

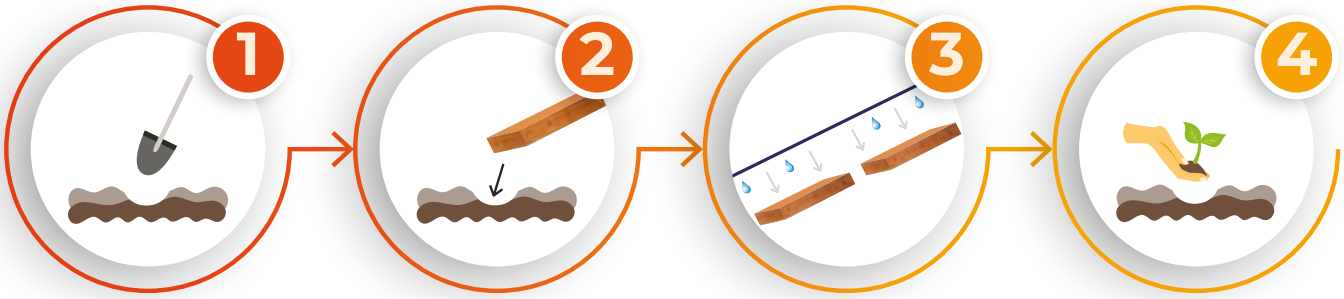
They are supplied as coir fibre compressed slabs, making them easy to apply on the ground. After they are placed, they expand and the material loosens simply by watering.

ADVANTAGES

- Improves soil structure.
- Increases its oxygenation.
- Water and nutrient reservoir.
- Improves root development in plants.
- Speeds up growing.
- Facilitates stress-free transplanting.
- Suitable for organic farming.

MEASUREMENTS	UV-STABILIZED PLASTIC PROTECTION	UNITS PER CONTAINER
100 x 15 x 10	Without plastic	14,000
100 x 18 x 11	Without plastic	12,800

INSTRUCTIONS FOR USE



1. Make the planting trenches
2. Place the slabs in a row, leaving 3 cm of space between
3. Place the drip line and hydrate the slabs
4. Plant

Blocks and Briquettes

Coir fibre is a growing medium that comes from the mesocarp of the coconut and is intended for hydroponic growing and/or substrate farming.

ADVANTAGES

- Eco-friendly and sustainable.
- Excellent additive to provide the root system with aeration thanks to its water retention capacity and its high porosity.
- Improved root growth.
- Fast germination.
- Balanced pH and controlled EC.

APPLICATIONS

- ✓ Potting Mixtures and Soil Conditioner.
- ✓ Nursery + Garden Centres.
- ✓ Lawns + Golf Courses.
- ✓ Reptile + Warm Bedding.
- ✓ Hydroponics growing: vegetables, flowers, and berries.

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