



# UNIVERSAL

*Product Range*



[www.browngrow.com](http://www.browngrow.com)

# Why Coir?

Coir fiber obtained from the outer layer of the coconut fruit grown in Sri Lankan estates are one of the world's best crop growing mediums. Sri Lanka's strategic geographical placement makes country's soil characteristics and climate conditions versatile and unique for products such as coco coir. High air porosity and water absorption and retention capacities make Sri Lankan coco coir distinctive compared to other coir manufacturing countries.



- Coco coir's high air porosity ensures a constant supply of air to the plant's root system, allowing plants to grow with fewer diseases and produce higher yields.
- Coir is an excellent water and nutrient retention growing medium and allows the plant's roots to absorb only the required amount of water and nutrients.
- Coir has a quick drainage characteristics which allows to water the plant less frequently and in short periods, thus the nutrients required for plant growth is not lost. Quick drainage also prevents water logging around plant roots, reducing the chance for root rot.

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- Coir has an ability to absorb water quickly from dry state, which ensure no water is running off from the top surface.
- Coir naturally resists the development of pest infestations, diseases, algae growth and fungus in plants/crops by keeping the top surface of the growing medium dry.
- Coir has an optimal pH range of 5.7 - 6.7, that allow plants to absorb nutrients more effectively than other growing mediums.
- Nutrients which exceed the pH level of 7 are naturally destroyed, whilst the nutrients that are below the pH level of 5.7 are not absorbed by the plant's root.
- The 30% aeration property and balanced pH level of coir, helps the plants growing in coir substrates to be healthier and have stronger roots compared to other plants growing on soil or other growing mediums.



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- Physical properties of coir provide structural support for plants during growth cycle avoiding the tendency to decompose during plant growth.
- Coir is a natural renewable resource which is biodegradable and environmentally friendly.
- Coir is 100% natural & organic.
- The easy disposable feature of coir makes it an ideal growing medium for hydroponics, horticulture, floriculture seeding nurseries and green houses.
- Coir could be recycled back to the environment to improve soil conditions



# Quality

Quality begins at the sourcing stage of Brown Grow, where only the superior quality coconut husk chips and coir are obtained from the rich coconut plantations of Sri Lanka. The in-house quality department conducts quality checks to assess the moisture content, density, fiber, pH and EC levels of the coir to ensure that it meets the required Brown Grow standards. All products of Brown Grow are produced using 100% natural & pure coconut chips & coir peat. Even the water used for washed coir products are sourced from clean spring water than chemically treated waterways. Quality is the core for Brown Grow, therefore our QA team ensures that stringent procedures are in place to maintain the quality thoroughly throughout the production process.

Backed with over a decade of R&D commitment and expertise in the industry for over 20 years, the Brown Grow team has devised a range of value-added coir products that caters to different countries various climate zones and specific crops. Getting the right mix for the coco products is predominant for Brown Grow to ensure it satisfies worldwide growers who depend on Brown Grow grow bags to increase their crop harvest. We have perfected the mixes to increase water holding capacity and aeration for healthy root and plant development.

Brown Grow is ISO 9001:2015 quality certified and our products are GMP quality certified and OMRI Listed.



# Frequently Asked Questions

## What Is Coir?

Coir is the fibrous part extracted from the outer husk of coconuts as a byproduct of the coconut harvesting process. Coir is naturally nutrient-rich, retain and drain water, highly aerated and bio-degradable hence, it becomes an excellent grow medium.

## Coir as a Grow Medium. How Good is it?

Main advantages of using coir as a grow medium is its porosity and the ability to retain water & nutrients. Coco coir fibers can both retain and drain water.

Coco coir pH is generally neutral at the range of 5.7-6.7, whilst mediums such as Sphagnum Peat Moss have a lower pH and therefore more acidic in nature.

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Coco coir is a renewable and organic substrate compared to other mediums such as peat moss that takes many years to harvest or reform.

The biodegradability of coir makes it highly environmentally friendly, as it enriches the soil even after disposal.

Transportation of coir is easier compared to other bulky growing mediums. The ability to compress volume of coir seven times makes it an affordable option for worldwide growers.

## Is Coco/Coir Growing Medium an Organic Product?

Yes. It is a 100% organic product made purely from coconut husks. Brown Grow is ISO 9001:2015 quality certified and our products are GMP quality certified and OMRI Listed.



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## Is Coco/Coir Environmentally Friendly?

Brown Grow Coco Coir products are 100% natural & environmentally friendly from the point of sourcing coconut husks up to disposal after use. Out of the limited environmentally friendly growing medium options used in the world today, coco/coir is the only medium that can boast of this fact.

## What are your brands?

We have 2 main brands as follows;

### 1) 'Brown Grow'

The brand we incepted our business with which consists of a complete range of tried & tested products such as Gold, Diamond, Platinum, Disc and Berry Mix ready to grow media.

### 2) 'Universal'

Our new and improved product range, introduced to growers with conducting over a decade of R&D and using expertise knowledge. The product range has been stream lined from the feedback acquired from growers. All Universal Products are super-washed using clean spring water to remove impurities and foreign particles.

Universal products require only 6 hours of flushing before use, as opposed to unwashed products, which require 48 hours of flushing, allowing the grower to save a significant amount of water and time.





## Is Coco/Coir Growing Medium Bio-degradable?

Yes. It is completely biodegradable that decay over time enriching the soil.

## How do I choose the right product for my crop?

The products are developed according to specific crop varieties. However, the product specifications may vary depending on your climate zone & crops.

Please contact our Technical Product Consultant at [lopez@browncoir.com](mailto:lopez@browncoir.com) on +94 77 313 0010 or WhatsApp on the same number, to get further advice on the best coir product suitable for your crop and climate zone.

## Are your products better than other brands?

Brown Grow has become a trusted brand for the past two decades of operation amongst thousands of growers in over multiple countries. We perfect our products by working closely with worldwide growers, identify their problems and innovate products to address those issues. Our manufacturing process follows rigid quality standards to enhance efficiency.

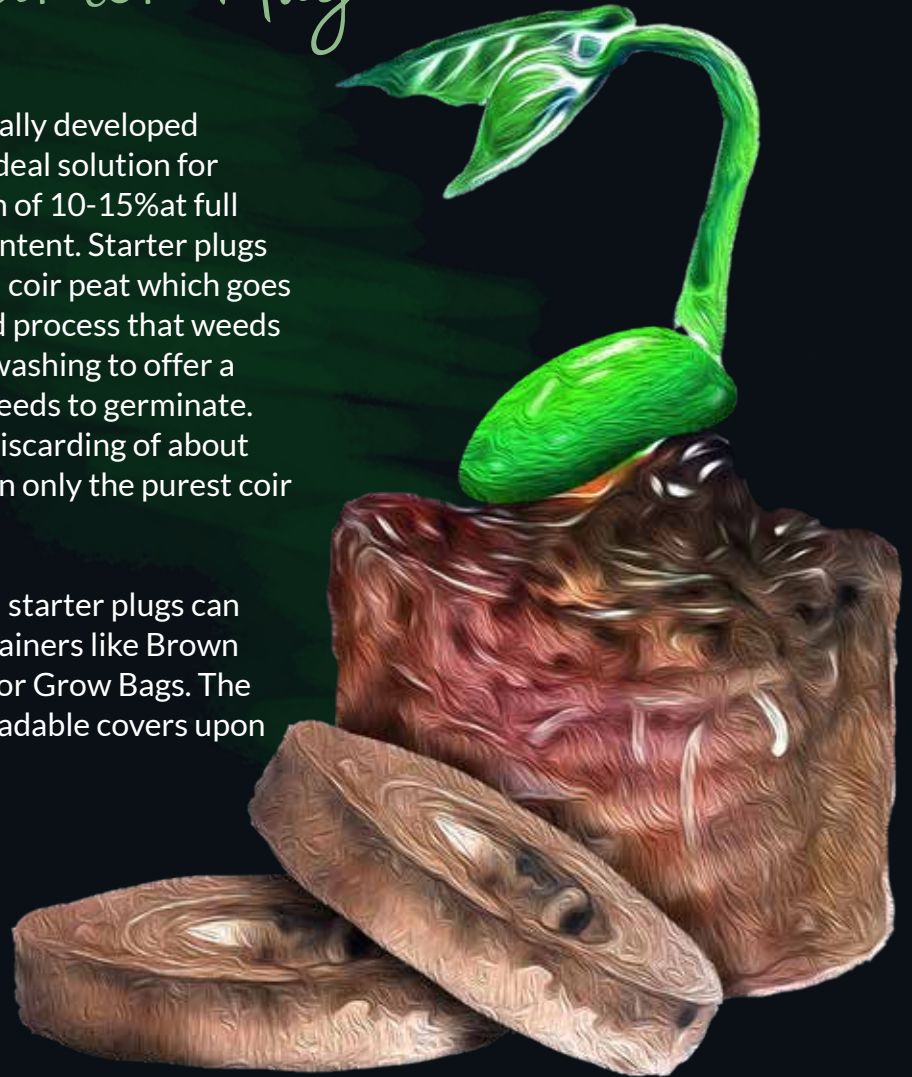
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# Universal Starter Plug

Universal starter plugs are specially developed for seed germination thus is an ideal solution for nurseries due to its high aeration of 10-15% at full saturation and 6-7% moisture content. Starter plugs are made with carefully selected coir peat which goes through a high quality controlled process that weeds out any impurities by thorough washing to offer a premium grow medium for the seeds to germinate. The cleaning process results in discarding of about 55% of the raw material to obtain only the purest coir for production.

After germination, the Universal starter plugs can be transplanted in to larger containers like Brown Grow Cubes, Faster Bags, Discs or Grow Bags. The plugs can be wrapped in biodegradable covers upon customer request.



# Universal Starter Cube

Universal Starter Cubes are also an ideal solution for nurseries which could be used for juvenile plants and faster propagation. It has an excellent water holding capacity of 8.0-9.0% and aeration of 15-25% at full saturation for faster and healthier root growth of smaller plants. Similar to Starter Plugs, the raw coir is super washed to process the best of the materials without foreign particles. You could also insert the plant grown in Brown Grow Starter Plug directly into the starter cube without damaging its tender root system to expedite growth and development. Universal starter cubes can be transplanted into Brown Grow Faster Bags or Grow Bags after the plant is sufficiently matured by conveniently removing the cube's bottom part of the cover.

Generally starter cubes come with UV protected bags but could be wrapped in biodegradable covers on customer request.



# Universal Faster Bag

Brown Grow Universal Faster Bag is designed to be used as a single medium to grow all your crops. It was innovated by the R&D team at Brown Grow formulating a special mix of coco coir and coconut chips providing room to grow a single plant. It is an ideal solution for home gardening or large-scale hydroponic farms. The Universal faster bag can be used as the final transplant container of the planting cycle, for plants grown in Brown Grow starter cubes and start plugs.

The Universal Faster Bag was designed under a “One Product to Grow Them All” concept to be used for any planting crop such as vegetables, berries, flowers and especially for highly valued plants like Cannabis.

Brown Grow Universal Faster Bags comes with UV treated bags where plank and dripper holes can be drilled and drain slits be cut upon customer request followed by an approved diagram.

*Further consultancy will be provided if necessary.*

*\*Product Specification may vary depending on your climate zone. Please contact our Product Technical Consultant for advice on choosing the right product for your crop - +94 77 313 0010 / [lopez@browncoir.com](mailto:lopez@browncoir.com)*



# Universal Disc

Brown Grow Universal Disc is a multi-crop grow medium solution. The Universal disc is designed to fit standard international pot sizes, making it a suitable growing medium for home gardening and large-scale hydroponic cultivations. Brown Grow starter cubes and starter plugs can be transplanted in to the Universal disc for rapid growth. We strongly recommend this for flowers, berries and cannabis cultivation. The litreage of the disc could be customized and plank and dripper holes can be drilled upon customer request.

Volume and disc diameter can be varied on customer requirement.



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# Universal Aqua

Brown Grow Universal Aqua is the ideal coco medium solution for berry cultivation due to its characteristic of quick-draining whilst retaining required water and nutrient content in the plant roots. The universal aqua grow bags are super washed using clean spring water to remove impurities or foreign materials from the substrate. The high quality mix in Brown Grow universal aqua grow bags offer sensitive plants such as strawberries, raspberries and small fruits to easily root within the substrate ensuring ultimate growth and yield.

Brown Grow Universal Aqua grow bags comes with UV protected bags and is designed to grow multiple plants in a single bag.

Plant holes, dripper holes, plank-holes and drain slits can be pre-cut and drilled upon customer request with an approved diagram.

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# Universal Solar

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Brown Grow Universal Solar grow bag is a Complete Ready to Grow Media when you require maximum growth for all other non-berry crops such as vegetables and cannabis. With a 40% air holding capacity, optimum water and nutrient holding capacity at full saturation, Universal solar grow bags ensures that your plants are anchored in a medium with a balanced pH level, low EC & is pathogen free. This nourishment supports healthy root growth especially for vegetables such as Tomatoes, Cucumbers, Paprika, Bell paper, etc.

Carefully curated from a specially graded crushed coco husk chips & coco peat that is superwashed using clean spring water, the Brown Grow Universal Solar Growbag distributes roots evenly throughout the growing substrate and provides plants a secure growing environment.

Brown Grow Universal Solar grow bags comes with UV protected bags and designed to grow multiple plants in a single bag. Plant holes, dripper holes, plank-holes and drain slits can be pre-cut and drilled upon customer request with an approved diagram.



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# Browngrow Berry Mix

Brown grow Berry Mix is the ultimate solution for blueberry cultivation. Brown Grow R&D team has created a special blend of coir mix with certain additions to enhance the longevity and harvest of blueberry plants. With a relatively higher air holding capacity around 45% at saturation compared to other Brown Grow products, the Brown Grow Berry Mix facilitates better root growth and breathability within the substrate.

The Brown Grow Berry Mix growbag can be easily used up to 3-4 years without any major issue. Generally, the Berry Mix growbag comes unwashed to support affordability, but it could also be super-washed upon customer request.

Brown Grow Berry Mix comes in UV protected bags that lasts upto 4 years. Drain slits can be pre-cut upon customer request with an approved diagram.

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# Browngrow Gold

Brown Grow Gold grow bag is another ultimate solution for flower growing such as Roses, Orchids, Lilies, etc. Whilst it can be used for home gardening, hydroponic flower growers can be benefited further by using the Gold grow bag as a specialized growing medium. Developed with a specially graded unwashed material with low EC & optimum pH levels, Brown Grow Gold grow bags have high air porosity and water holding capacities thus expediting plant's growth producing bigger and healthier flowers.

Brown Grow Gold grow bag comes in UV protected bags and is designed to grow multiple plants in a single bag, where size can also be customized to customer specifications.

Plant holes, dripper holes and drain slits can be pre-cut and drilled upon customer request with an approved diagram.

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# Browngrow Diamond

Brown Grow Diamond grow bags are a Complete Ready to Grow Media that is 100% recyclable and organic. It is an ideal solution for vegetables, flowers and small fruit crops. Manufactured from crushed coco husks and coco peat, Brown Grow Diamond growing substrate provides a delicate root system with a considerable air holding capacity of 32-36% and a water holding capacity of 5.2-5.6% at full saturation, which results in better plant growth, yield and harvest. Diamond growing bags are specifically designed for your Tomatoes, Cucumbers, Paprika, Eggplants and Bell Pepper plants.

Brown Grow Diamond is a single UV protected grow bag designed to grow multiple plants, where volume can be customized on customer request.

Plant holes, dripper holes and drain slits can be pre-cut and drilled upon customer request with an approved diagram.



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# Browngrow Platinum

Brown Grow Platinum Coco Grow bags are a Complete Ready to Grow Media for stable root support and nutrient absorbent. Backed with years of R&D, Brown Grow innovated a coco mix with a higher air holding capacity of 38-42% at full saturation, which is ideal for crops such as tomatoes, Cucumbers, Bell pepper, etc.

Manufactured from a specially graded crushed coco husks chips and coco peat, the Brown Grow Platinum growing substrate is pH balanced, pathogen free and holds low EC. It distributes roots evenly throughout the growing substrate providing plants a secure growing environment.

Brown Grow Platinum grow bag is a single grow bag that comes in UV protected bags designed to grow multiple plants, where volume can be customized on request.

Plant holes, dripper holes and drain slits can be pre-cut and drilled upon customer request with an approved diagram.



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**UNIVERSAL**  
One product to grow them all

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