



Product **CATALOG**

Content

01 About us

Introduction	4-6
Sustainability	7
Our Mixes	8-10

02 Coco Coir

Explaining Coco Coir	11
Washing vs Buffering	12
Charging the Coco Coir	13



Your Partner in Coco Coir Solutions

At **Dutch Plantin**, our goal is to make a positive difference in the world, and we believe that our coco substrate is the key to achieving this. Growers all over the globe have recognized the added value of our sustainable growing medium for vegetables, soft fruit, flowers, and plants. But our commitment to sustainability doesn't stop there. By investing in the communities that produce coconuts, we are helping to build a better future.

Innovation runs through our veins, and in the 1990s, we pioneered an innovative buffering process that has now become the global standard for extracting sodium and potassium from coco and inserting calcium. However, we don't rest on our laurels. We continue to innovate and improve our products, all while maintaining the stability and quality that have made us a trusted name in the industry.

We have you covered with four different mixes for the right choice when cultivating in coco coir

PITH BLEND

100% aged riverbed coco coir for maximum **stability** and **quality**. This blend can be found in the 0.3 Gallon open top and in 50-liter bags.



SPECIAL COARSE BLEND

The right mixture of pith to special coarse chips is found exclusively in 0.8 gallons and 1 gallon. This ratio provides **excellent aeration** and **water retention**.



AERATION BLEND

The perfect blend of 40% chips and 60% pith. **No need for perlite or any additives** with 40% chips creating optimal airflow while retaining water.



OZONE BLEND

A proprietary blend of chips to pith offering the **right vegetation generative fractions**. It is easy to steer the crop in either phase of growth, supported by great aeration and drainage.



DUTCH PLANTIN OPEN TOP SERIES AND COCO-SLABS

Dutch Plantin has developed coco coir solutions for all your horticultural needs. **Open top bags and coco coir slabs in plastic and fabric are sustainable, cost-efficient solutions for commercial cultivation.**

SIMPLE WET UP, EXPAND AND PLANT

Dutch Plantin coco coir is the perfect solution for indoor, greenhouses, and outdoor crops. Quality matters to **Dutch Plantin**. That's why we use only **the high quality material** from start to finish. All **Dutch Plantin** open-top bags and slabs are made from the high quality.



We offer **compressed coco coir**, which has **several benefits for growers:**

Dutch Plantin is your partner in coco coir solutions, offering a wide range of products to support your horticultural needs.



Smaller carbon footprint



Compact size for shipping



Simple setup and wet-up instructions



Sustainable substrate for growing



High quality Coco



Fast Water absorption



Easy to expand

Our Coco Coir is Sustainable and eco-friendly

Coco coir is a sustainable and eco-friendly option for growers, providing the **perfect balance** between air and water for healthy plant growth and strong root development.

By using coco coir, you can **reduce your carbon footprint** while increasing efficiency and saving money.

Dutch Plantin offers customized sizes and blends of coco coir **grow bags**, with **open-top bags** and **slabs** that arrive pre-filled to streamline your operations.

Our coco coir products are available in **various standard sizes** or can be tailored to your unique requirements, making them an excellent choice for indoor, greenhouse, and outdoor horticulture.

Choose **Dutch Plantin** coco coir and take the first step towards **sustainable** and **efficient** plant growth.



2022 COMPLETION OF VERIFIED MODULE
SUSTAINABLE APPAREL COALITION

Dutch Plantin Coir India Private Limited

The Sustainable Apparel Coalition certifies that the facility named above utilizes the Higg Index to measure and grow its sustainability practice.



Higg Facility Environmental Module

Amina Razvi
Executive Director
Sustainable Apparel Coalition



Product size and description




Item Code - DP03
CUBE 0.3 GALLON

This cube gallon bag from **Dutch Plantin** is designed for horticulture use and is perfect for veg and up-potting into a larger size open-top. With a pre-filled pure blend mix of 100% fine pith with dust removed, it ensures no mess and less labor.

Features

- 1 Liters of volume
- Expanded size 10x10x10cm
- 45 cases per pallet
- 8100 cases per pallet
- Pure blend mix of 100% fine pith with dust removed
- Fresh washed: 0.3 gallons, EC around 1.3 ms/cm




Item Code - DP08
OPEN TOP 0.8 GALLON

A versatile option for both the vegetative and flowering stages of your plants. With its compact size, this bag is perfect for uppotting and can be easily moved as needed. It's made from 100% aged coconut coir, ensuring a healthy growing environment for your plants.

Features

- 2.25 Liters of volume
- Expanded size 15x15x10cm
- 3100 pieces per pallet
- Fresh washed: 0.8 gallons, EC around 1.3 ms/cm



Item Code - DP1
OPEN TOP 1 GALLON

This option gives you flexibility for various stages of plant growth. Its compact size makes it perfect for both veg and flower stages. This open top option provides ample space for root growth and is suitable for the Vegetative or Flowering cycle.

Features

- 3.38 Liters of volume
- Expanded size 15x15x15cm
- 2100 pieces per pallet
- Special coarse blend of chips and pith
- Fresh washed: 1 gallon, EC around 1.3 ms/cm



PITH BLEND



OZONE BLEND



AERATION BLEND



SPECIAL COARSE BLEND

Product size and description



Item Code - DP15

OPEN TOP 1.5 GALLON

The open-top bag provides optimal performance for flowering plants, with excellent water retention and aeration properties. This size is compact enough to maximize space in your veg stage while providing ample space for flowering large plants, allowing you to make the most of your growing area.

Features



- 6.0 Liters of volume
- Expanded size 20x20x15cm
- 1025 pieces per case
- Aeration blend of 40% chips and 60% pith
- Fresh washed: 1.5 gallons, EC around 1.3 ms/cm



Item Code - DP2

OPEN TOP 2.2 GALLON

This proven size has become a go-to choice for many horticulturists, offering a high-quality coconut coir growing medium for a variety of fruits, vegetables, and flowering plants. Its effective size and properties provide a balanced combination of aeration and water retention, promoting healthy root growth and overall plant development.

Features



- 8.0 Liters of volume
- Expanded size 25x20x16cm
- 900 pieces per pallet
- Aeration blend of 40% chips and 60% pith
- Fresh washed: 2.2 gallons, EC around 1.3 ms/cm



Item Code - DP5

OPEN TOP 5 GALLON

Due it's large size this is the perfect solution for flowering plants in any growing environment, whether indoor, greenhouse, or outdoor. They are also an excellent choice for mother plants. Our bags are formulated for optimal performance, providing excellent water retention and aeration

Features



- 18 Liters, 5 Gallon of volume
- Expanded size 30x30x20cm
- 350 pieces per pallet
- Aeration blend of 40% chips and 60% pith
- Fresh washed: 5 gallons, EC around 1.3 ms/cm



PITH BLEND



OZONE BLEND



AERATION BLEND



SPECIAL COARSE BLEND

Product size and description



Item Code - DP7 OPEN TOP 7 GALLON

Our largest open top size is great for mother plants or large flowering plants when growing indoors, in a greenhouse, or outdoors. With its optimal blend of materials, this bag provides both aeration and water retention, ensuring optimal performance for your plants.

Features

- 25.2 Liters, 7 Gallon of volume
- Expanded size 30x30x28cm
- 250 pieces per pallet
- Special coarse blend of chips and pith
- Fresh washed: 7gallons, EC around 1.3 ms/cm



Item Code - DPS COCO COIR SLABS

This coco slab is the preferred choice for many crops in horticulture application. It is perfect for planting directly into or for transplanting from small bags or blocks. Our coco slab is made from premium coconut coir with dust removed, providing optimal aeration and water retention properties. It features a unique layering system of coconut coir chips and fine pith, making it ideal when transplanting from Rockwool, coco coir, or other growing mediums.

Features

- 18 Liters of volume
- Expanded size 100x15x12cm
- 400 pieces per pallet
- Aeration blend of 40% chips and 60% pith
- Fresh washed: 1.5 gallons, EC around 1.3 ms/cm



Item Code - DP50L 50 LITER BAGS

This 50-liter Aeration mix is available in pure pith or a 40% premium chip and 60% fine pith blend, providing optimal air flow without perlite or other additives. Simply buffer and use.

Features

- 50 Liters of volume
- 70 pieces per pallet
- Pure blend 100% aged pith dust removed
- Aeration blend of 40% Chips and 60% Pith with dust removed
- Fresh Water Washed: 50 liters, coco coir slab, EC around 1.3 ms/cm



PITH BLEND



OZONE BLEND



AERATION BLEND



SPECIAL COARSE BLEND

Explaining Coco Coir

Coco coir is a sustainable growing substrate made from the husk of a coconut. After the coconuts are harvested, the husks go through multiple stages of processing and are compressed into various grades of coco coir substrate.

GRADES OF COCO COIR



STAGES OF COCO COIR PROCESSING



What is CEC?

Cation Exchange Capacity

- CEC stands for **Cation Exchange Capacity**, which is used to determine the amount of nutrients that coco coir can hold onto before it starts leaching.
- The total number of cations that can be held or exchanged is known as the CEC.
- Organic coco matter naturally has negative charges on its surface that attract cations, or positively charged ions.

*Innovators in growth.
Investors in life*



Washing vs. Buffering Coco Coir

► **Washing** allows water-soluble elements to be removed, while **buffering** lowers the amount of cation exchange sites.

► Better control of how much calcium the plant receives can be achieved through **buffering**.

BUFFERING IN 3 EASY STAGES



► After the coco coir is saturated with a calcium nitrate base solution of the correct EC and pH, the medium is ready to start the process of “Charging”.



Cations that are already bonded to sites are difficult to remove, and therefore, simply washing your coco coir will not do much to change the makeup of the undesired cations.

Buffering is important for hydroponics growers

*Sodium and potassium is left in the fibers after washing, removed through buffering

“Drip irrigation is the recommended method for slowly feeding solutions to expand the coco coir”

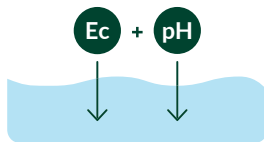


Cation exchange sites Magnesium Calcium

Charging the Coco Coir

To optimize the performance of your coco coir, it's important to charge it first. This involves allowing the positively charged calcium and magnesium ions to bond to the cation exchange sites in the coco coir. The best way to do this is by soaking the coco coir in a Calcium Nitrate solution for **8-24 hours**.

- **Irrigate the coco coir** with full strength nutrient solution, at the desired pH.
- **Measure nutrient solution** by collecting runoff in a container and testing EC and pH levels.



CHARGING COMPLETE

- Once the desired runoff of EC+pH is reached then charging is completed.

- 1 Gallon of coco being buffered needs 1.5-2 gallons of water.



If **buffering** and **conditioning** by **hand watering**, more volume of solutions will be used

When using **precision irrigation** techniques water consumption is typically twice the volume of the coco coir to buffer

	EC	PPM	pH	CaNi 15-0-0 mL/Gallon	CaNi 17-0-0 Grams/Gallon	NPK VEG mL/Gallon	NPK RUNOFF %
BUFFERING	5.0	3400	6.5	71.8	65.4		50-100%
FLUSH	2.5	1750	6.3	20	15.8	20	50-100%
READY TO PLANT							

After completing the buffering and charging process, you are now ready to start growing with confidence!



*Innovators in growth,
Investors in life*

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