

Product Catalogue

# Precision Engineered Coco Coir Growing Solutions



— 2026 —

Sri Lanka's finest Coco Coir, precision engineered for your success

**axia**   
*Grow your dreams*

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

# From Sri Lanka's Coconut Triangle Directly to Growers Worldwide



**axia**   
*Grow your dreams*

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





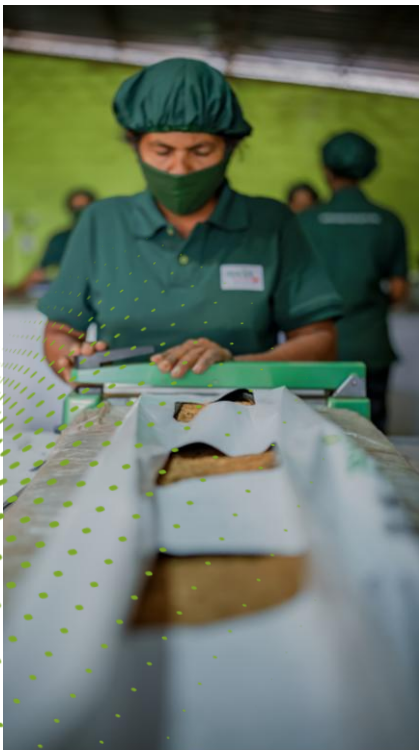
# Who We Are

## Engineered for Growing Performance

At AxiaCoco, we combine Sri Lanka's rich agricultural heritage with 35 years of precision engineering excellence to deliver coco coir substrates engineered specifically for your crop, your systems and your production targets. We don't simply supply a product, we work directly with your team from initial substrate selection through to harvest, ensuring the growing substrate in your greenhouse performs exactly as it should, every season.

Founded in 2022 by the same team behind the Senarath Group ([www.senarathgroup.lk](http://www.senarathgroup.lk)), one of Sri Lanka's most respected civil engineering companies, AxiaCoco was established on a clear conviction: that commercial growers deserve substrates engineered with the same level of care, consistency, reliability, and traceability that define world-class manufacturing. That engineering rigour is the foundation of every product we produce.

## 35 years of Engineering Experience



10+ Countries served

3 Production Facilities

700MT+ per month

100% Sri Lanka Origin



# Message from Management

When our family decided to build AxiaCoco, the question we asked ourselves was not 'what does the market want', but 'what do growers need. We had spent decades in engineering and building systems where failure is not an option, where every process is documented, every output is measured, and consistency is non-negotiable. We spent generations farming the same land where our grandparents grew coconuts. We understood, from both sides, what it means to depend on a material performing exactly as it should, every single time.

That is what AxiaCoco is built to deliver. A substrate that performs to specification, documented with data, backed by certifications, and supported by a team that will pick up the phone when you need us.

We are proud to continue our global expansion with a product portfolio and a team we believe in completely. We are looking forward to earning your trust, one harvest at a time.

The Management Team,  
AxiaCoco

## Our Board of Directors



**Mr. Senarath Dassanayake**  
Founder/Chairman  
Senarath Group  
Sri Lanka



**Mr. Lolitha Wijekoon**  
Director  
Axia Exports (Pvt) Ltd  
Sri Lanka



**Mr. Asela Dassanayake**  
CEO/Founder  
Axia Growing Media Solutions LLC  
USA



**Mr. Minuka Dassanayake**  
Director/ Head of Marketing  
Axia Exports (Pvt) Ltd  
Sri Lanka

# Our Products

All AxiaCoco products are available in customized blends, EC levels, and product dimensions engineered to your crop's specific requirements. Complete technical specifications, substrate blend options, and shipping information is listed below for each product.



## AxiaCoco Grow Bags

Custom-blend grow bags for greenhouse vegetables, berry crops, and protected cultivation systems.



## AxiaCoco Open Top Bags

Ready-to-plant open top containers for berry, vegetable, and nursery production.



## AxiaCoco Coir Blocks & Bricks

Compressed, versatile blocks for soil amendment, container growing, and custom substrate preparation.



## AxiaCoco Grow Slabs

Precision engineered substrate slabs for high-density hydroponic and protected cropping systems.



## AxiaCoco Grow Cubes

Pre-formed propagation cubes for transplant-ready seedling production of vegetables, fruits, and ornamentals.



## AxiaCoco Propagation Pellets

Biodegradable pellets for seed and cutting propagation. Compatible with all standard nursery trays

# Product Detail



## 1 AxiaCoco Grow Bags

AxiaCoco grow bags are engineered for commercial growers seeking consistent performance and long-term crop stability. Made from premium Sri Lankan coco coir, the UV-stabilized bags are designed for hydroponic and protected cultivation systems. Available in customized substrate blends and dimensions, they support different crops, climates, and irrigation requirements.



### Fruits:



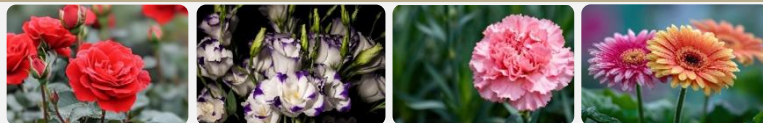
Blueberries, Strawberries

### Vegetables:



Tomatoes, Cucumbers, Capsicum, Eggplant

### Flowers:



Rose, Lisianthus, Carnation, Gerbera, Tulip

### Key Advantages:

- Consistent moisture retention and root-zone stability for reliable crop performance
- Optimized drainage and aeration to support healthy root development
- Custom substrate blends and durable UV-stabilized bags tailored to crop and irrigation requirements

## Technical Specifications

Attribute	Customizable Range
Material blend	<p>Custom blends of coco peat and coco chips based on crop requirement.</p> <p>Common blends:</p> <p>50% Chips: 50% peat</p> <p>60% Chips: 40% peat</p> <p>70% Chips: 30% peat</p> <p>80% Chips: 20% peat</p> <p>10% Chips: 90% peat</p>
Coco chip particle size	7 – 10 mm (Upon request up to 12 mm)
Air filled porosity	3.7 – 32%
Water holding capacity	4 – 7 L/kg
pH	5.5 - 6.5
EC measured using Dutch method (1:1.5)	<p>Unwashed &gt; 2.0 mS/cm</p> <p>Washed &lt; 1.0 mS/cm</p> <p>Super washed &lt; 0.5 mS/cm</p>
Dry weight	0.8 – 3.5 kg
Expanded dimensions	<p>Length 50 – 120 cm</p> <p>Width 11 – 20 cm</p> <p>Height 8 – 16 cm</p>

## Shipping Details

- Shipping quantities vary with size.
- Typically, 600 pieces per pallet.
- 20 pallets per 40-foot HC container
- Total 12000 pieces per container



## 2 AxiaCoco Open Top Bags

AxiaCoco open top bags provide a cost-effective alternative to conventional pot-based systems. These ready-to-use bags reduce labor and handling while supporting efficient planting and root monitoring. Filled with customized blends of coco peat and coco chips, they deliver optimized drainage, aeration, and moisture retention, while the integrated fiber layer improves water flow and root health.



### Fruits:



Blueberries, Raspberries, Blackberries, Strawberries, Watermelon

### Vegetables:



Tomatoes, Cucumbers, Capsicum

### Flowers:



Rose, Lisianthus, Carnation, Gerbera

### Key Advantages:

- Ready-to-use system that reduces labor, handling, and potting costs
- High drainage performance supports healthier roots and improved crop efficiency
- Available in sizes from 4-20 liters (1-5 gallons), with custom sizing options available
- Custom substrate blends, EC levels, and hole configurations tailored to grower requirements

## Technical Specifications

Attribute	Customizable Range
Material blend	Custom blends of coco peat and coco chips based on crop requirement. Common blends: 60% Chips 40% peat 70% Chips 30% peat
Coco chip particle size	7 – 10 mm
Air filled porosity	5 – 32%
Water holding capacity	4 – 7 L/kg
pH	5.5 - 6.5
EC measured using Dutch method (1:1.5)	Unwashed > 2.5 mS/cm Washed < 1.0 mS/cm Super washed < 0.5 mS/cm
Dry weight	0.4 – 3.7 kg
Expanded volume	1gals, 2gals, 3gals and 5gals

## Shipping Details

- Shipping quantities vary with size
- Typically, 400 pieces per pallet
- 20 pallets per 40-foot HC container
- Total 8000 pieces per container



### 3 AxiaCoco Coir Blocks & Bricks

AxiaCoco coir blocks are compressed, easy-to-use growing media designed for diverse horticultural applications.

Available in fully customizable coco peat and coco chip blends, they deliver the ideal balance of drainage, aeration, and moisture retention for different crops and irrigation systems. Sustainably sourced, 100% natural, and free from soil-borne pathogens.



#### Suitable for:

- Indoor & outdoor plants
- Hydroponic system applications
- Lawn repair & Landscaping
- Growing Substrate amendment
- Leafy greens & microgreens
- Tropical plants & flowers
- Mushroom cultivation



#### Key Advantages:

- Fully customizable blends from 100% coco peat to 100% coco chips, including tailored mix ratios
- Compressed format enables efficient storage, handling, and cost-effective shipping
- Expands easily with water into a ready-to-use growing medium
- 100% natural, sustainably sourced, and suitable for diverse crops and cultivation systems

## Technical Specifications

Attribute	Customizable Range
Material blend	Custom blends of coco peat and coco chips based on customer requirement. Common blends: 100% Peat 50% Chips 50% peat 60% Chips 40% peat 70% Chips 30% peat 80% Chips 20% peat 100% Chips
Coco chip particle size	7 – 32 mm
Air filled porosity	5 – 32%
Water holding capacity	4 – 7 L/kg
pH	5.5 - 6.5
EC measured using Dutch method (1:1.5)	Unwashed > 2.5 mS/cm Washed < 1.0 mS/cm Super washed < 0.5 mS/cm
Compact dimensions (L x W x H)	Block: 28 x 28 x 14 cm Brick: 20 x 10 x 5 cm
Dry weight	Block: 4 – 5 kg Brick: 0.5 – 1 kg
Expanded volume	Block: 50 – 75 L Brick: 7 – 10 L
Moisture	< 25%

## Shipping Details

- Shipping quantities vary with size
- Typically, 224 pieces of 5kg blocks per pallet
- 20 pallets per 40-foot HC container
- Total 4480 pieces per container

## 4 AxiaCoco Grow Slabs

AxiaCoco Grow Slabs are precision-engineered cultivation substrates designed to support healthy root expansion, balanced moisture retention, and optimal aeration throughout the growing cycle. Manufactured using premium-grade coco coir, the slabs provide a stable and efficient growing environment for high-performance hydroponic and greenhouse cultivation. Their uniform structure promotes consistent water distribution and nutrient absorption while supporting cleaner and more productive crop management.



### Suitable for:

- Commercial Greenhouses
- Hydroponic Growers
- High-Value Crop Cultivation
- Vegetable & Fruit Farming
- Professional Horticulture Systems

### Key Advantages:

- Excellent Water Retention & Aeration Balance
- Supports Strong & Healthy Root Development
- Consistent Nutrient Distribution Across the Slab
- Reduces Water Stress & Root Compaction
- Clean, Sustainable & Eco-Friendly Growing Medium
- Suitable for Long-Term Crop Cultivation
- Easy Handling, Installation & Drip Irrigation Compatibility
- Ideal for High-Yield Greenhouse & Hydroponic Systems



## Technical Specifications

Attribute	Customizable Range
Material blend	<p>Custom blends of coco peat and coco chips based on crop requirement.</p> <p>Common blends:</p> <p>100% peat</p> <p>50% Chips: 50% peat</p> <p>60% Chips: 40% peat</p> <p>70% Chips: 30% peat</p> <p>80% Chips: 20% peat</p> <p>10% Chips: 90% peat</p> <p>100% Chips</p>
Coco chip particle size	7 – 10 mm (Upon request up to 12 mm)
Air filled porosity	3.7 – 32%
Water holding capacity	4 – 7 L/kg
pH	5.5 - 6.5
EC measured using Dutch method (1:1.5)	<p>Unwashed &gt; 2.0 mS/cm</p> <p>Washed &lt; 1.0 mS/cm</p> <p>Super washed &lt; 0.5 mS/cm</p>
Dry weight	0.8 – 3.5 kg
Expanded dimensions	<p>Length 50 – 120 cm</p> <p>Width 11 – 20 cm</p> <p>Height 8 – 16 cm</p>

## Shipping Details

- Shipping quantities vary with size.
- Typically, 600 pieces per pallet.
- 20 pallets per 40-foot HC container
- Total 12000 pieces per container



## 5 AxiaCoco Grow Cubes

AxiaCoco grow cubes are precision-engineered propagation units designed for strong early-stage root development.

Made from premium coco coir and wrapped in biodegradable cellulose mesh, they provide balanced aeration and moisture retention. Featuring a pre-formed planting hole, the cubes reduce handling time and transplant shock while supporting efficient propagation across hydroponic and nursery systems.



### Suitable for:

- Commercial Nurseries
- Horticulturists
- Hydroponic farmers



### Key Advantages:

- Pre-formed planting hole reduces propagation preparation and handling time
- Mesh structure improves drainage, aeration, and strong root development
- Customizable substrate blends and granulometry tailored to crop and system requirements
- Stable pH and low EC support efficient nutrient absorption and healthy plant establishment
- Direct transplant capability minimizes root disturbance and transplant shock
- Compatible with organic cultivation and available with biodegradable cellulose wrapping

## Technical Specifications

Attribute	Customizable Range
Sizes	10 x 10 x 6 cm and 8 x 8 x 5 cm
Composition	Custom blends of coco peat and coco chips based on crop requirement. Common blends: 100% peat 10% Chips: 90% peat
Particle size	Peat: 2 - 5 mm, Chips: 8 - 12 mm
EC measured using Dutch method (1:1.5)	<0.5 mS/cm
pH range	5.5 - 6.5
Moisture content	≤17%

## Shipping Details

- Typically, 10,000 pieces per pallet
- 20 pallets per 40-foot HC container
- Total 200,000 pieces per container



## 6 AxiaCoco Propagation Pellets

AxiaCoco propagation pellets provide an ideal environment for seeds and cuttings, supporting fast germination and strong root development. Made from premium-grade coco peat, they offer balanced moisture retention and aeration.

Each pellet is enclosed in a biodegradable cellulose bag, reducing transplant shock and supporting efficient nursery and hydroponic propagation systems.

### Suitable for:

- Commercial Nurseries
- Horticulturists
- Hydroponic farmers



### Key Advantages:

- Biodegradable outer layer maintains pellet shape and naturally decomposes after transplanting
- Balanced coir blend supports fast, uniform root development and healthy early-stage growth
- Direct transplanting minimizes root disturbance and transplant shock
- Compatible with propagation trays, hydroponic systems, and multiple crop applications

## Technical Specifications

	25mm plug	32mm plug	38mm plug	42mm plug	50mm plug
Diameter (mm)	25	32	38	42	50
Initial height (mm)	7 - 8	6 - 7	10 - 12	13 - 15	12 - 13.5
Expansion height (mm)	33 - 40	26 - 34	36 - 42	40 - 45	50 - 55
Dry weight (g)	2 - 2.25	3 - 3.5	5.5 - 6	6.5 - 7.5	10 - 11
Water absorption (ml)	15 - 20	21 - 29	38 - 40	52 - 60	60 - 80
Water holding capacity (%)	70 - 75	70 - 75	70 - 75	70 - 75	70 - 75
Porosity (%)	16 - 20	19 - 25	19 - 25	19 - 25	19 - 25
Wetting time (minutes)	2	2	2	2	2
EC measured using Dutch method (1:1.5) (mS/cm). Customizable Range	0.1 - 1.0 mS/cm	0.1 - 1.0 mS/cm	0.1 - 1.0 mS/cm	0.1 - 1.0 mS/cm	0.1 - 1.0 mS/cm
pH	5.5 - 6.5	5.5 - 6.5	5.5 - 6.5	5.5 - 6.5	5.5 - 6.5
Suitable for	Tomato, basil, coriander, flowers, pepper, lettuce	Tomato, basil, coriander, flowers, pepper, small plant cuttings	Cucurbits, sweet pepper, lettuces, comparative -ly large seeds	Ornamental plant cuttings, tissue culture plants	Ornamental plant cuttings, tissue culture plants

## Shipping Details

Size 25 mm	4,000 Pcs Per Box	2,160,000 Pcs in 20ft container
Size 32 mm	2,500 Pcs Per Box	1,350,000 Pcs in 20ft container
Size 38 mm	1,500 Pcs Per Box	810,000 Pcs in 20ft container
Size 42 mm	1,000 Pcs Per Box	540,000 Pcs in 20ft container
Size 50 mm	700 Pcs Per Box	378,000 Pcs in 20ft container

# How To Place Your Order

Our 4-Step Order Process



1

Connect with us and share your cultivation goals



2

We develop your unique grow media or blend based on your needs



3

You receive a pilot sample or technical specs for testing and confirmation



4

Once validated, we manufacture and deliver your bulk order



# Our Mission



To be the substrate partner that commercial growers worldwide trust for precision, reliability and partnership.

**Precision engineered:** Coco coir substrates, formulated from Sri Lanka's finest natural materials and produced to ISO 9001:2015 standards, engineered specifically for your crop, system and production targets.

**Reliable:** Consistent, fully traceable supply from an integrated operation we control from farm to port, so every shipment that arrives at your greenhouse matches exactly what was specified and verified.

**Long-term relationships:** Built on transparency and trust with a team that works directly alongside you and is invested in your success, season after season.



# Our Promise

When you partner with AxiaCoco, you are choosing a team invested in your harvest. You are partnering with a company built on generations of agricultural knowledge, decades of engineering precision, and an unwavering commitment to quality, delivered directly from our factory to your facility.



# Let's Cultivate Growth Together

At AxiaCoco, we believe growth is not just about plants, it's about partnerships, progress, and possibility.

We invite you to grow with us, sustainably, efficiently, and globally.

## **Email address**

[info@axiacoco.com](mailto:info@axiacoco.com)

## **Website**

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

## **US Office**

Axia Growing Media Solutions LLC  
1821 West Armitage Ave. Apt 2  
Chicago, IL 60622  
USA

+1 (224) 432-3400

## **Factory**

Axia Exports Pvt Ltd.  
Mahakeliya  
Kurunegala, 60000  
Sri Lanka

+94 70-603-5035

© Copyright by Axia Growing Media Solutions LLC. The logo, the website, documents and any images, graphics, animations or any other type of content including but not limited to texts and expressions belong to Axia Growing Media Solutions LLC. The unlawful usage, copying and/or alteration of these is prohibited under international law.

**axiacoco**   
*Grow your dreams*