



COCO & COIR GROWING MEDIA

Product Portfolio

Sustainable coco-peat & coir substrates for hydroponics, soft-fruit, propagation and commercial horticulture.

www.cwlanka.com

Cocowide Lanka (Pvt) Ltd · Sri Lanka



WHO WE ARE

About Cocowide

01

At Cocowide we use naturally occurring, renewable and bio-degradable cocopeat (coir pith) to provide growing substrates solutions to produce vegetables, soft fruits and other crops including cut-flowers and medicinal cannabis.

02

Capitalizing on unmatched properties of naturally renewing coco peat, we successfully compete with well-known substrates such as stone wool, peat moss, wood shavings etc., offering the best growing solutions to the highly competitive global horticultural industry.

03

Our strategically located facilities have access to an abundance of naturally occurring and renewable raw materials which are carefully selected and processed before transforming into the range of products on offer.

SOURCING & PROCESSING

From a Farm to a Farm

Sourcing superior raw materials is imperative in the production of coir-based substrates products as variation in quality of raw materials and its subsequent improper processing could have a direct effect on the shelf life of the product and its performance as a growing medium.

Cocowide is bestowed with the opportunity to access superior raw materials due to the strategic locations of our plants and we have a processing system which uses stringent standards to prepare the materials mixes going into the final products.

Controlling moisture level of raw materials and subsequent screening to remove all finer particles have enabled us to give our clients products with premium quality.



SUSTAINABILITY

Sustainable Agriculture with Coir Substrates

Coco is renewable which makes its use a totally environmentally friendly process. Thanks to nature's bounty, it stands out as a renewable growing medium.

Its subsequent disposal after usage also does not create environmental hazards because of its natural decomposing properties. It has a tremendous water holding capacity which is approximately eight to nine times its weight. This property makes coco peat ideal for soil conditioning thus turning virtually unsuitable soils suitable for cultivation. Coco peat produces more breathing space and aeration for roots of the plants.

The balanced water holding capacity and air-filled porosity taken together makes coco peat one of the best substrates on the earth which gives superior root structures and root growth to plants.

Also, it has natural anti-fungal properties which help plants to resist soil borne diseases.

These properties of coir/coco make it an ideal substrate for sustainable agriculture which is in line with the needs of today's society which demands ways of farming that are more sustainable, more eco-friendly and healthier.

QUALITY & CERTIFICATIONS



GLOBAL FOOTPRINT

Local Presence and Global Reach



SRI LANKA

OUR MARKETS

-  Italy
-  Turkey
-  Morocco
-  China
-  Spain
-  Peru
-  Mexico
-  Canada
-  Russia

OUR GLOBAL NETWORK

Local Presence and Global Reach

- 01** Steady expansion into international markets has diversified our portfolio and made careful assessment of facility locations essential.
- 02** Our products are used across more than seven countries under varied climatic and geographic conditions.
- 03** We combine our expertise, industry experience and client requirements to craft products tailored to unique conditions.
- 04** This requires ideal facility locations that ensure access to the right raw materials.
- 05** Four units in Sri Lanka under Cocowide Lanka (Pvt) Ltd, plus Cocowide Exports (India), let us meet any client demand.



Commercial Hydroponics

Coco/coir has been long identified as an excellent growing medium for hydroponic farming and cocopeat/coir grow bags have several desirable properties over other competing substrates.

01

Grow bags lift plants off cold earth and circulate air, warming the medium faster.

02

Delivers precise watering with far less guesswork about the exact amount.

03

Available in a range of sizes to suit the plant and substrate volume required.

04

Roots never touch natural soil, minimizing soil-borne diseases and pathogens.

05

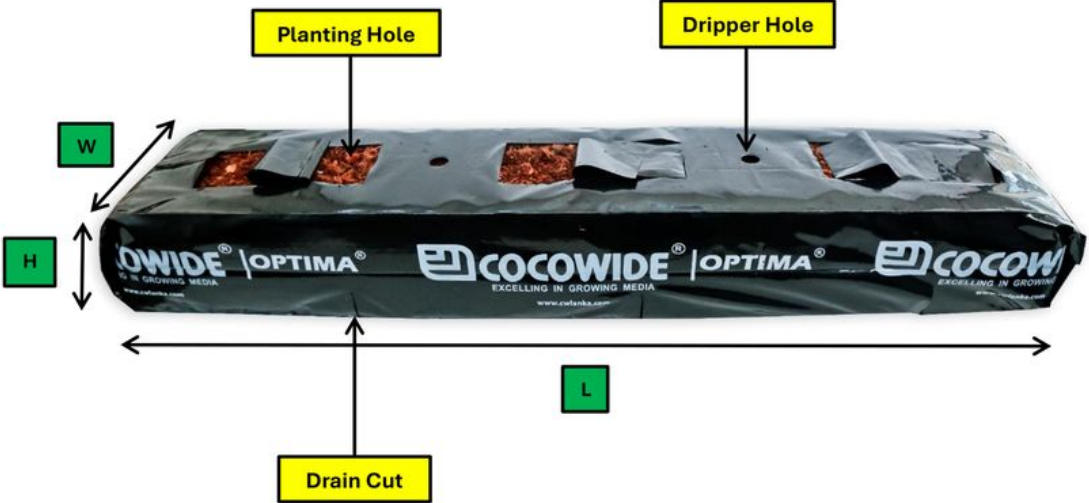
Fully customizable in length, width, and height.

06

Plastic types offer varying UV resistance.



Typical Cocowide Growbag



Grow Bag Product	Raw material mix		WHC* (l/kg)	AFP** (%)
	Coco Peat	Coco Chips		
COCOWIDE MAX	100%	0%	7.0–8.0	12–18
COCOWIDE PLUS	70%	30%	6.0–6.5	23–28
COCOWIDE MIXIS	50%	50%	5.0–5.5	25–30
COCOWIDE OPTIMA	30%	70%	4.5–5.0	30–40
COCOWIDE EXTRA	0%	100%	4.0–4.5	35–45

WHC* Water Holding Capacity
AFP** Air-Filled Porosity

Grow Bag Plastic Types		
Gauge	Micron	Years of UV resistivity
800	200	5
600	150	4
500	125	3
400	100	2
300	75	1

Common Grow Bag Sizes · after expansion		
Lengths – L (cm)	Widths – W (cm)	Heights – H (cm)
120, 100, 90, 70, 50	10, 12, 14, 15, 18, 20	10, 12, 14, 15, 16, 18, 20

PRODUCT SPECIFICATION

Max & Plus Grow Bags

COCOWIDE GROW BAG

MAX

As cocopeat has a high-water holding capacity, Max mixture is ideal for warm climates and set ups with longer irrigation intervals. Proper screening to remove finer particles makes the mix more homogeneous.

Technical Specifications

EC (mS/cm) 1:1.5 v/v method	Washed	<1.00
	Unwashed	<3.00
pH		5.5-6.5
Water Holding Capacity (l/kg)		7.00-8.00
Air-Filled Porosity (%)		12-18%



COMPOSITION



Coco Peat 100%

COCOWIDE GROW BAG

PLUS

PLUS, mixture also has higher a high-water holding capacity and mixture is ideal for warm climates and set ups with longer irrigation intervals. Addition of husk chips into the mix increases aeration and air-filled porosities proportionally.

Technical Specifications

EC (mS/cm) 1:1.5 v/v method	Washed	<1.00
	Unwashed	<3.00
pH		5.5-6.5
Water Holding Capacity (l/kg)		6.00-6.50
Air-Filled Porosity (%)		23-28%



COMPOSITION



Coco Peat 70%
Coco Chips 30%

PRODUCT SPECIFICATION

Mixis & Optima Grow Bags

COCOWIDE GROW BAG

MIXIS

MIXIS mix has a balance water holding capacity and an air filled porosity which makes it an ideal choice for crops needing water and aeration balanced.

Technical Specifications		
EC (mS/cm) 1:1.5 v/v method	Washed	<1.00
	Unwashed	<3.00
pH		5.5-6.5
Water Holding Capacity (l/kg)		5.0-5.5
Air-Filled Porosity (%)		25-30%



COMPOSITION



Coco Peat	50%
Coco Chips	50%

COCOWIDE GROW BAG

OPTIMA

With the higher percentage of husk chips, OPTIMA mix makes it an ideal choice for conditions of cold climates with shorter irrigation cycles. Root suffocation and higher husk chips percentage increase the longevity live of the substrate.

Technical Specifications		
EC (mS/cm) 1:1.5 v/v method	Washed	<1.00
	Unwashed	<3.00
pH		5.5-6.5
Water Holding Capacity (l/kg)		4.50-5.00
Air-Filled Porosity (%)		30-40%



COMPOSITION



Coco Peat	30%
Coco Chips	70%

PRODUCT SPECIFICATION

Mini Grow Bags & Open-Tops

Mini Grow Bags and Open Top Bags have the advantages of optimizing water and fertilizer as the usage could be better focused and managed into a single plant. Their usage prevents the transmission of diseases and pathogens from plant to plant through substrate.

Technical Specifications		
Common Mixes	Water Holding Capacity (l/kg)	Air-Filled Porosity (%)
MAX	7.00–8.00	12–18%
PLUS	6.00–6.50	23–28%
OPTIMA	4.50–5.00	30–40%
EC (mS/cm) 1:1.5 v/v method	Washed	<1.00
	Unwashed	<3.00
pH	5.5–6.5	
Common Sizes / Units per 40' HC (Mini Grow Bags)	20×18×16	36,000 – 38,000
	25×18×16	28,000 – 30,000
	50×18×16	14,000 – 15,000
Common Sizes / Units per 40' HC (Open Top Bags)	15×15×15	56,000 – 60,000
	20×20×20	24,000 – 26,000

COMPOSITION



MAX

● Coco Peat

100%



PLUS

● Coco Peat

70%

● Coco Chips

30%



OPTIMA

● Coco Peat

30%

● Coco Chips

70%

PRODUCTS



Mini Grow Bag



Open Top Bag

PRODUCT SPECIFICATION

Naked Slabs

Naked slabs are usually used in growing vegetables and soft fruits depending on the mix being used. They can be set easily in troughs and trays. These are like Lay-Flat bags but without the plastic cover.

Technical Specifications		
Common Mixes	Water Holding Capacity (l/kg)	Air-Filled Porosity (%)
MAX	7.00–8.00	12–18%
PLUS	6.00–6.50	23–28%
EXTRA	4.00–4.50	30–40%
EC (mS/cm) 1:1.5 v/v method	Washed	<1.00
	Unwashed	<3.00
pH	5.5–6.5	
Common Sizes / Units per 40' HC	100 × 15 × 08	
	100 × 15 × 10	
	100 × 18 × 10	

COMPOSITION BY MIX



MAX

Coco Peat

100%



PLUS

Coco Peat

70%

Coco Chips

30%



EXTRA

Coco Chips

100%

Blueberry Kits & Mixes

01

Blueberries, one of the most popular soft fruits, are increasingly grown in substrates rather than soil. Beyond the usual benefits of fewer soil-borne pests and diseases and control over aeration, moisture, and nutrition, soil conditions in most blueberry regions are simply not ideal for the plant.

02

Most of the growers found an ideal substrate in coconut coir (a mixture of cocopeat and coconut husk chips) due to its ability to manage the draining and better root development.

03

Cocowide has come up with a range of kits and blocks for blueberry farming depending on whether the product goes directly to the farms or further processing by manufacturers of substrate mixes.



PRODUCT SPECIFICATION

For Blueberries

BERRY MAX OPEN TOP BAGS

EC (mS/cm) (1:1.5 v/v Ratio)	Washed	< 1.00
	Unwashed	< 3.00
pH		5.5 – 6.5
WHC* (l/kg)		7.0 – 8.0
AFP** (%)		12 – 18
Plastic Bag Type		650 G (4 Yr-UV) 800 G (5 Yr-UV)
Product Size (cm) (L × W × H) / Volume (L)		30×30×30 (27 L) · 30×30×45 (40 L)
Units per 40' HC Container		27 L (8,280) · 40 L (5,760)



BERRY MAX BLOCKS

EC (mS/cm) (1:1.5 v/v Ratio)	Washed	< 1.00
	Unwashed	< 3.00
pH		5.5 – 6.5
WHC* (l/kg)		7.0 – 8.0
AFP** (%)		12 – 18
Product Volume (L)		27 L · 40 L
Units per 40' HC Container		27 L (8,640) · 40 L (5,880)



WHC* : Water Holding Capacity AFP** : Air Filled Porosity

PRODUCT SPECIFICATION

For Blueberries

BERRY PLUS OPEN TOP BAGS

EC (mS/cm) (1:1.5 v/v Ratio)	Washed	< 1.00
	Unwashed	< 3.00
pH	5.5 – 6.5	
WHC* (l/kg)	6.0 – 6.5	
AFP** (%)	23 – 28	
Plastic Bag Type	800 G (5 Yr-UV)	
Product Volume (L)	27 · 40	
Units per 40' HC Container	27 L (8,400) · 40 L (5,500)	



● Coco Peat 70%
● Coco Chips 30%



BERRY PLUS BLOCKS

EC (mS/cm) (1:1.5 v/v Ratio)	Washed	< 1.00
	Unwashed	< 3.00
pH	5.5 – 6.5	
WHC* (l/kg)	6.0 – 6.5	
AFP** (%)	23 – 28	
Product Volume (L)	27 · 40	
Units per 40' HC Container	27 L (8,160) · 40 L (5,500)	



● Coco Peat 70%
● Coco Chips 30%



WHC* : Water Holding Capacity AFP** : Air Filled Porosity

PRODUCT SPECIFICATION

For Blueberries

BERRY OPTIMA OPEN TOP BAGS

EC (mS/cm) (1:1.5 v/v Ratio)	Washed	< 1.00
	Unwashed	< 3.00
pH	5.5 – 6.5	
WHC* (l/kg)	4.5 – 5.0	
AFP** (%)	30 – 40	
Plastic Bag Type	800 G (5 Yr-UV)	
Product Volume (L)	27 · 40	
Units per 40' HC Container	27 L (7,200) · 40 L (5,160)	



● Coco Peat 30%
● Coco Chips 70%



BERRY OPTIMA BLOCKS

EC (mS/cm) (1:1.5 v/v Ratio)	Washed	< 1.00
	Unwashed	< 3.00
pH	5.5 – 6.5	
WHC* (l/kg)	4.5 – 5.0	
AFP** (%)	30 – 40	
Product Volume (L)	27 · 40	
Units per 40' HC Container	27 L (7,920) · 40 L (5,280)	



● Coco Peat 30%
● Coco Chips 70%



WHC* : Water Holding Capacity AFP** : Air Filled Porosity

For Substrate Blends

01

Potting mixes have been developed to ensure that potted plants have the best environment to grow and develop. They are used in the production of nursery plants and by home gardeners.

02

Substrates as an alternative to soil are increasingly becoming popular in producing potting mixes as soil may become compacted, weedy, fail to drain well, and can pass on pests and diseases from the soil to the plant.

03

Out of alternatives available, cocopeat and coconut husk chips can help to tremendously improve properties of the mix in which they are forming parts. Cocopeat alone or a carefully selected mixture of cocopeat and coconut husk chips can contribute to quality potting mixes which will produce happy, healthy, and rewarding plants for every type of container and garden situation.



PRODUCT SPECIFICATION

For Substrate Blends

Coco Peat — Natural

EC (mS/cm) (1:1.5 v/v Ratio)	Washed	<1.00
	Unwashed	<3.00
pH	5.5 – 6.5	
Breakout volume (l/kg)	15 (+/-1)	
Quantity per 40'HC container (MT)	23 – 24	



Coco Peat 100%

PARTICLE SIZE DISTRIBUTION			
0–1 mm	1–5 mm	5–10 mm	>10 mm
30%	40%	25%	5%

Coco Peat — Screened

EC (mS/cm) (1:1.5 v/v Ratio)	Washed	<1.00
	Unwashed	<3.00
pH	5.5 – 6.5	
Breakout volume (l/kg)	18 (+/-1)	
Quantity per 40'HC container (MT)	23 – 24	



Coco Peat 100%

PARTICLE SIZE DISTRIBUTION			
0–1 mm	1–5 mm	5–10 mm	>10 mm
5%	50%	35%	10%

Coco Husk Chips (10mm)

EC (mS/cm) (1:1.5 v/v Ratio)	Washed	<1.00
	Unwashed	<3.00
pH	5.5 – 6.5	
Breakout volume (l/kg)	13 (+/-1)	
Quantity per 40'HC container (MT)	23 – 24	



Coco Chips 100%

PARTICLE SIZE DISTRIBUTION			
0–1 mm	1–5 mm	5–10 mm	>10 mm
<5%	15–20%	40–50%	20–30%

PRODUCT SPECIFICATION

Coco Husk Chips & Optima

Coco Husk Chips (7 mm)

EC (mS/cm) (1:1.5 v/v Ratio)	Washed	<1.00
	Unwashed	<3.00
pH	5.5 – 6.5	
Breakout volume (l/kg)	13 (+/-1)	
Quantity per 40'HC container (MT)	23 – 24	



Coco Chips 100%

PARTICLE SIZE DISTRIBUTION			
0–1 mm	1–5 mm	5–10 mm	>10 mm
<5%	30–35%	55–60%	<5%

Coco Husk Chips (10–20 mm)

EC (mS/cm) (1:1.5 v/v Ratio)	Washed	<1.00
	Unwashed	<3.00
pH	5.5 – 6.5	
Breakout volume (l/kg)	12 (+/-1)	
Quantity per 40'HC container (MT)	23 – 24	



Coco Chips 100%

PARTICLE SIZE DISTRIBUTION			
0–1 mm	1–5 mm	5–10 mm	>10 mm
<8%	10–20%	55–60%	10–12%

Optima (30% Peat + 70% Chips)

EC (mS/cm) (1:1.5 v/v Ratio)	Washed	<1.00
	Unwashed	<3.00
pH	5.5 – 6.5	
Breakout volume (l/kg)	14 (+/-1)	
Quantity per 40'HC container (MT)	23 – 24	



Coco Peat 30%
Coco Chips 70%

PARTICLE SIZE DISTRIBUTION			
0–1 mm	1–5 mm	5–10 mm	>10 mm
<20%	30–35%	35–40%	10–15%

For Medicinal Cannabis

01

In most of the societies, various parts of the Cannabis plant have been using as a medicine (such as in Ayurveda) in traditional treatments for wide variety of ailments such as asthma, epilepsy, fatigue, glaucoma, muscle pains and rheumatism.

02

Coco peat, also known as coir, is a popular growing medium for cannabis. Its excellent water holding capacity lets it retain a large amount of water, which is highly beneficial for cannabis plants.

03

After studying carefully, the crop requirements and their growing conditions in different climatic regions, Cocowide specially designed and developed several types of products for the growing of medicinal cannabis, either indoor or outdoor depending on the requirement.



PRODUCT SPECIFICATION

For Medicinal Cannabis

CANNA PLUS OPEN TOP BAGS

EC (mS/cm) (1:1.5 v/v Ratio)	Washed	< 1.00
	Unwashed	< 3.00
pH		5.5 – 6.5
WHC* (l/kg)		6.0 – 6.5
AFP** (%)		23 – 28
Plastic Bag Type		300 G (1 Yr-UV) 400 G (2 Yr-UV)
Block Size (cm) (L × W × H)		15 × 15 × 15 · 20 × 20 × 20
Units per 40' HC Container		3.50 L (58,000) · 8.00 L (25,000)



● Coco Peat 70%
● Coco Chips 30%



CANNA PLUS BLOCKS

EC (mS/cm) (1:1.5 v/v Ratio)	Washed	< 1.00
	Unwashed	< 3.00
pH		5.5 – 6.5
WHC* (l/kg)		6.0 – 6.5
AFP** (%)		23 – 28
Block Size (cm) (L × W × H)		15 × 15 × 15 · 20 × 20 × 20
Units per 40' HC Container		3.50 L (62,000) · 8.00 L (26,000)



● Coco Peat 70%
● Coco Chips 30%



WHC* : Water Holding Capacity AFP** : Air Filled Porosity

PRODUCT SPECIFICATION

For Medicinal Cannabis

CANNA MAX OPEN TOP BAGS

EC (mS/cm) (1:1.5 v/v Ratio)	Washed	< 1.00
	Unwashed	< 3.00
pH	5.5 – 6.5	
WHC* (l/kg)	7.0 – 8.0	
AFP** (%)	12 – 18	
Plastic Bag Type	300 G (1 Yr-UV) 400 G (2 Yr-UV)	
Block Size (cm) (L × W × H)	15 × 15 × 15 · 20 × 20 × 20	
Units per 40' HC Container	3.50 L (60,000) · 8.00 L (28,000)	



CANNA MAX BLOCKS

EC (mS/cm) (1:1.5 v/v Ratio)	Washed	< 1.00
	Unwashed	< 3.00
pH	5.5 – 6.5	
WHC* (l/kg)	7.0 – 8.0	
AFP** (%)	12 – 18	
Block Size (cm) (L × W × H)	15 × 15 × 15 · 20 × 20 × 20	
Units per 40' HC Container	3.50 L (65,000) · 8.00 L (30,000)	



WHC* : Water Holding Capacity AFP** : Air Filled Porosity

For Plant Propagation

01

Compared to traditional options like seed raising mix, coir offers key advantages in propagation. It holds water well without becoming saturated, keeping a good balance of water and air in a fine, crumbly texture — ideal for germinating seeds and giving cuttings' developing roots steady moisture with a much lower risk of rot.

02

Coir has natural anti-fungal qualities that suppress mold and mildew, adding protection in the early stages of propagation when plants are most vulnerable. It is also fairly neutral on the pH scale, with a slightly acidic 5.5 to 6 pH that is just about ideal for many plants.

03

Cocowide manufactures and exports a range of different coco products which could be directly used in propagation or as the way the customer requires.



PRODUCT SPECIFICATION

For Propagation

COCOWIDE GROW BLOCKS (with 1 year UV protected plastics)

EC (mS/cm) (1:1.5 v/v Ratio)	Washed	< 0.50			
	Unwashed	< 0.30			
pH	5.5 – 6.5				
Size after expansion (cm) (L × W × H)	8×8×6	10×10×7	15×10×6	10×10×10	
Unit weight (g)	50 – 55	80 – 85	85 – 90	100	
Pieces per carton	300	250	160	150	
Pieces per 40' HC container	396,000	330,000	250,000	216,000	



COCOWIDE GROW PLUGS (PELLETS)

EC (mS/cm) (1:1.5 v/v Ratio)	Washed	< 0.50
	Unwashed	< 0.30
pH	5.5 – 6.5	
Dry Size (cm)	3.0 (diameter)	3.5 (diameter)
Unit weight (g)	50 – 55	80 – 85
Pieces per carton	1,536	1,155
Pieces per 40' HC container	5,068,800	3,811,500



WHC* : Water Holding Capacity AFP** : Air Filled Porosity

PRODUCT SPECIFICATION

For Propagation

COCOWIDE GROW CUBES

Grow cubes have advantages of high germination rate, water retention, and enough oxygen to give the plant roots room to breathe. These cubes are easy to use and are also lightweight and easy to transport.

EC (mS/cm) (1:1.5 v/v Ratio)	Washed < 0.50 Unwashed < 0.30			
pH	5.5 – 6.5			
Size after expansion (cm) (L × W × H)	4×4×4	8×8×6	10×10×7	10×10×10
Unit weight (g)	8 – 10	45 – 50	65 – 70	100
Pieces per carton	1000	300	250	150
Pieces per 40' HC container	1,320,000	396,000	330,000	216,000



COCOWIDE GROW DISCS

EC (mS/cm) (1:1.5 v/v Ratio)	Washed < 0.50 Unwashed < 0.30			
pH	5.5 – 6.5			
Dry Size (cm)	3.0 (diameter)	4.0 (diameter)	6.0 (diameter)	8.0 (diameter)
Volume after expansion (cc)	40	100	300	900
Unit weight (g)	4	10	20	60
Pieces per carton	4,000	1,600	800	300
Pieces per 40' HC container	5,280,000	2,112,000	1,372,800	396,000



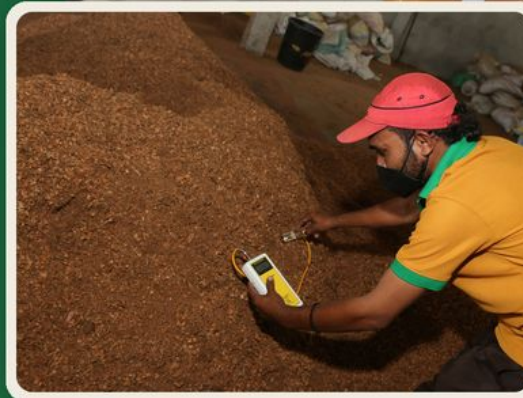
WHC* : Water Holding Capacity AFP** : Air Filled Porosity



Quality is Priceless

For COCOWIDE, the quality of our products is vital for achieving complete satisfaction of our valued customers, which in turn, decides the sustainability of our business.

We do thorough internal quality assurance in receiving materials, in-process and final products and provide the customers with the final quality certificate for all consignments shipped.





INDEPENDENT VERIFICATION

Tested & Certified

Whenever independent testing is required for weed, seeds and other extraneous materials we use recognized government institutions or testing laboratories recommended by our customers.

EVERY CONSIGNMENT, QUALITY-CHECKED



Research & Development

The growth in the usages of substrates as a substitute for soil and the role coconut-based substrates play in this global trend make it imperative for producers like COCOWIDE to look for the best solutions we could offer in terms of quality and productivity.

While using the mixes and blends which have already become the standard for the hydroponic farming, we are continuing with the drive to enhance the efficacy of existing system under varying growing conditions and finding new mixes and blends for specific climatic and growing conditions.

With this objective in mind, COCOWIDE has established a MOU with the Faculty of Agriculture, University of Peradeniya and facilitated the first project in which efficacy of various mixes of coir/coco substrates were studied under different fertigating frequencies.

The aim is to establish the ideal conditions for standard mixes and formulate new mixes which could be more competitive and productive.





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