



Coco Spezza
Eco is our Core

Product Portfolio

Coco Spezza Equine

Traditional stall bedding materials such as straw, wood shavings, paper or peat moss have been around for centuries. Although these materials have historically sufficed as horse bedding, coconut-based bedding is quickly surpassing these traditional materials in the modern equine care industry. *Coco Spezza Equine* is a specially formulated product which out-performs traditional materials in all categories and is now used in many top-tier stables and equine facilities around the world.

Switching to *Coco Spezza Equine* provides numerous quality-of-life benefits for your horses whilst reducing your workload.

The Ideal Horse Bedding

Coco Spezza Equine is extremely absorbent and comfortable for your horses to stand and rest on. It is convenient to store, handle and dispose of and is surprisingly cost-effective due to its unique properties. Generating very little dust, the product is allergen free and very sanitary due to its high absorption characteristics. Although it is 100% chemical free and safe, horses find coco chips unappetizing to eat, eliminating the risk of gastric complications. Finally, the product is made from 100% recycled coconut husks and is easy to compost so it is very environmentally friendly.





Highly Absorbent

Made from shredded coconut husk and fiber, *CocoSpezza Equine* is very absorbent. With an absorption rate of up to 8-10 times its volume, *CocoSpezza Equine* aids in neutralizing ammonia, reducing the formation of woodworms and mycoses, fungi and bacteria development.

This moisture control properties of the material prevents hoof deformation and "soft feet" as well as the hooves drying and cracking.

Comfortable & Therapeutic

CocoSpezza Equine is soft and comfortable for your horses as it's light but strong texture provides orthopedic relief for joints. The material does not compact readily, thereby aerating the substrate for longer use and increased thermal retention within the stable. It also improves the hair coat as trace amounts of natural oils in the bedding make your horse's coat silky. *CocoSpezza Equine* also cuts down on unhygienic manure stains often seen when using other type of bedding.

Convenient to Dispose

CocoSpezza Equine has the advantage of producing lower quantities of waste due to its high absorption and clotting tendencies. It clumps like litter when soiled, making *CocoSpezza Equine* much more hygienic and easier to clean out than other traditional bedding types. This allows for the disposal of a smaller amount of bedding per soiling and reducing the maintenance time and costs of the stable.

Composted coco bedding is considered one of the best materials for soil rejuvenation and increasing the moisture retention capacity of soil. It decomposes readily and is quicker than many other stall bedding materials and is commonly used as a soil supplement as well as an excellent natural fertilizer.



Cost-Effective

Since it is incredibly absorbent, *CocoSpezza Equine* is extremely efficient in terms of wastage and the unsoiled product remains aerated and is very long-lasting! This cuts down significantly on labor costs and reduces the monthly quantity of product used per stall by up to 50% compared to some traditional bedding materials.

Comparison:

Wood shavings, Sawdust, Straw and Peat moss:

The recommendations are to add 1 to 2 additional bags per week after setting up of the initial stall bedding.

CocoSpezza Equine:

After the initial bedding is layered to the stall, the need for additional product to be added is practically nil for up to 4 weeks.

CocoSpezza Equine will save you substantial costs on product wastage and labor than traditional alternatives.

Dust And Allergen Free

Most traditional bedding options create 'barn dust', which is known to contain hundreds of types of bacteria and crystalline silica, which can cause silicosis, chronic obstructive pulmonary disease and lung cancer in horses. *CocoSpezza Equine* is treated to be free of pathogens and other harmful substances, and the moisture balancing properties of the material produces significantly less dust particles and is a healthier choice for both you and your horses.



Environmentally Friendly & Socially Responsible

Produced by up-cycling a waste product (coconut husk) by villagers in rural Sri Lanka, our products are manufactured and shipped with minimal environmental impact. Being 100% compostable, *CocoSpezza Equine* is the ultimate eco-friendly bedding solution. No trees are cut or wetlands destroyed to make this advanced bedding solution. It is the most socially responsible and eco-friendly product on the market.

Sanitary and Odor Free

Thanks to the unique internal structure of coco quire and the treatments we undertake, *CocoSpezza Equine* completely neutralizes odors from urine! This results in far less flies and insects and reduces the amount of bedding being wasted. Further, the material locks-in moisture quickly, preventing runoff or leaching thereby keeping your horse happy and their hooves dry.

Space Saving & Easy to Handle

CocoSpezza Equine comes in 2:1 compressed, plastic wrapped, bales for easy storage and use. The material is very light, easy to loosen up by hand or shovel and spreads readily. The bales can be stacked high and used as needed as *CocoSpezza Equine* has a long shelf life.

100% Safe and Unappetizing for Horses

CocoSpezza Equine is a totally natural product manufactured by mechanical processing of the coconut husk with no chemical additives. Horses do not find it palatable because it has no resin, thus limiting the risk of ingestion leading to dangerous colic.

Horse Bedding - Comparative Assessment

Numerous studies have been conducted on the comparative benefits of various traditional and modern horse bedding materials. The table below illustrates the performance of four popular horse bedding materials in comparison to *CocoSpezza Equine* in ten separate categories. The performance of these products in each category is rated as Weak, Moderate or Good and assigned the relevant score in this comparative analysis.

Bedding - Comparative Assessment:

Horse Bedding - Comparative Analysis					
	Coconut Husk	Straw	Wood Shavings	Wood Chips	Peat Moss
Product Cost Competitiveness	2	3	3	2	2
Absorption	3	1	1	1	3
Eco-Friendliness	3	3	2	2	2
Orthopedic Impact	3	1	2	2	2
Odor Prevention	3	1	1	1	2
Reduced Dust Generation	3	2	1	2	2
Longevity of Product	3	1	2	2	2
Ease of Handling	3	2	2	2	2
Compostability	3	3	2	1	3
Maintenance Requirement	3	1	1	2	2
Average Score	2.9	1.8	1.7	1.7	2.2
Scale: 1 = Weak, 2 = Moderate, 3 = Good					

CocoSpezza Equine Products

Our *CocoSpezza* Equine range of products are fabricated from carefully processed premium quality raw materials in order to ensure consistent quality and performance. We are pleased to accommodate your OEM requirements including special packaging, product specifications and requirements which can be arranged upon request.

25kg Bales

Base Materials	: Specially Formulated Coco Husk Chips
Dimension of Bale	: L= 44 cm, D= 30 cm, H= 70 cm (+/- 1 cm)
Dry Weight per Bale	: 25 Kg. (+/- 2 kg)
Compression Ratio	: 2.5 : 1
Expanded Volume	: 200-225 Liters
Relative Humidity (RH)	: 30% - 40%
EC	: < 0.8 mS/cm (0.3 – 1.0 mS/cm can be provided as per client requirements)
Container Utilization	: 25kg x 28+4 per pallet, 20 pallets = 640 units per 40" HCL



500kg Bales

Base Materials	: Specially Formulated Coco Husk Chips
Dimension of Bale	: L= 100 cm, D= 100 cm, H= 120 cm (+/- 5 cm)
Dry Weight per Bale	: 500 Kg. (+/- 50)
Compression Ratio	: 2 : 1
Expanded Volume	: 3,000 Liters
Moisture content (w/w)	: 40% - 50%
EC	: < 0.8 mS/cm (0.3 – 1.0 mS/cm can be provided as per client requirements)
Container Utilization	: 500kg x 2 per pallet, 20 pallets = 40 units per 40' HCL

1,000kg Bales

Base Materials	: Specially Formulated Coco Husk Chips
Dimension of Bale	: L= 100 cm, D= 100 cm, H= 240 cm (+/- 5 cm)
Dry Weight per Bale	: 1000kg. (+/- 100)
Compression Ratio	: 2 : 1
Expanded Volume	: 6,500 Liters
Moisture content (w/w)	: 40% - 50%
EC	: < 0.8 mS/cm (0.3 – 1.0 mS/cm can be provided as per client requirements)
Container Utilization	: 1,000kg x1 per pallet, 20 pallets = 20 units per 40' HCL

Our Production Flexibility is our Strength

Our in-house production capabilities are enhanced through a web of material suppliers and independent processors who feed into our three production plants located at the corners of the Coconut Triangle. The entire supply and manufacturing process are under the supervision and control of our highly qualified technical team, who play a vital role in our Quality Assurance.

This 'Community Engaged Production' structure affords us a remarkably high degree of production variation but also allows us to deliver High Volume Orders, On Time and To Spec whilst Growing the local Rural Economy.

Coconut - The Raw Material

Coconut husk is the raw material processed for our coir and peat products. It is 100% natural and sourced fresh or aged, depending on product specifications. The outer skin of the Husk is called exocarp and it is waxy and difficult to decompose. The middle part of the husk, the mesocarp consists of coir peat particles lodged between tough fibers and this is the part we use to manufacture *Coco Spezza Agri* products.

All raw materials are sieved to remove the fine particles (to improve air porosity around the roots for better growth) and separated, enabling us to formulate blends which remain consistent in composition. The material is then processed into mixed-dust, graded peat and chips of varying dimensions prior to being compressed or blended with fiber materials (sourced directly from our own fiber mills) into products such as grow bags and fiber pots.

We are happy to undertake specific customer formulations and OEM orders, including low EC, washed and treated products, target RH requirements, custom blends to cater to our valued customer's requirements.

The Preferred Solution for Modern Agriculture

Hydroponics lie at the heart of modern agriculture and coco peat has gained recognition as a superior substrate well suited for a wide variety of crops such as Vegetables (Tomato, Pepper, Cucumber, Strawberry, Melon, Watermelon, Green bean.), Floriculture (Gerbera, Rose, Carnation, Orchids), Propagation Nurseries (Vegetables, Citrus trees, Olive trees, Fruit trees) as well as certain Ornamental Crops with high susceptibility to root asphyxia.

CocoSpezza Agri is a readily renewable, pH-neutral, non-hydrophobic soil amendment that aerates, improves water retention, and is very environmentally friendly. This combination makes *CocoSpezza Agri* a very forgiving and optimal hydroponic medium and accounts for its global popularity.



Advantages of Using *CocoSpezza Agri*

We at *CocoSpezza* believe in creating a product that we can be proud of and one that will bring success to our end user. That philosophy is at the core of our product customization strategy to ensure that we formulate a custom product to match the needs of each customer. Our products can be blended, washed, treated, low EC or extra graded to eliminate dust particles, and packaged OEM as per your requirements.

Quality controls within the production process as well as extensive fumigation at point of export ensures a chemical free, sterile product which can be used safely in any agricultural application.

Below are some of the many advantages of *CocoSpezza Agri* products:

- ❖ Coco peat increases the porosity of the potting mix. This helps to keep the soil loose and airy, aiding in better root growth. Better root growth results in better plant growth and higher yield.
- ❖ Coco peat increases the water holding capacity of the potting mix even as it increases the porosity of the soil. This ensures that the plant does not suffer from overwatering or underwatering.
- ❖ High porosity, high water holding capacity and high cation exchange capacity together mean that the quantity of coco peat required per plant will be comparably less.
- ❖ Coco peat has excellent properties that make it a very forgiving hydroponic (soilless) medium. Being an organic medium, it has high Cation Exchange Capacity allowing nutrients to be absorbed and released to the plants according to their need.

- ❖ Unlike peat moss, coco peat is easy to re-wet. Dry coco peat is very hydrophilic and quickly absorbs water making it easy to use.
- ❖ Unlike inorganic medium such as perlite, vermiculite or rockwool, coco peat can be compressed to one fifth or less of its volume reducing transportation, storage and handling costs.
- ❖ Coco peat is a renewable, ecologically friendly media which is produced from the waste husks of coconuts. What used to be a waste product just a couple of decades ago is now shaping the agriculture landscape of the future.
- ❖ Coco peat contains natural Trichoderma which acts as a Bio agent against harmful pathogens. It provides a great environment for beneficial fungi and bacteria to grow.
- ❖ Coco peat can be pressed into a variety of shapes and sizes to suit all growing applications.
- ❖ Coco peat mixed with coconut husk chips provides all the advantages of coco peat while increasing the drainage of the mix.
- ❖ Coco peat from some countries have high natural salt content. This means that hydroponic nutrient composition must be adjusted factoring the salts already available in the coco peat. Fortunately, Sri Lanka is known for its naturally occurring low EC unlike our neighboring countries.
- ❖ Global coco peat demand has been increasing whilst the supply is occasionally hampered by the Monsoon seasons, resulting in volatile prices of raw materials. However, our wide network of suppliers and processors allows *Coco Spezza* to offer our valued customers stable pricing and consistent quality throughout the year.

100% Eco-Friendly Growing Medium for Advanced Agriculture

Products derived from coconut husks, including coir peat and coconut husk chips are a popular additive/alternative to soil among many growers. It is renewable, unlike peat moss, which has been the subject of controversy for some time now because it is considered a non-renewable resource. *CocoSpezza Agri* substrates can be recycled for multiple grow cycles or composted with ease, as per your requirements.

The application of coco peat together with husk chips and chopped coco fiber to increase the water retention capacity of soil, has been practiced for centuries in Sri Lanka. At *CocoSpezza*, we continually strive to convert this traditional wisdom into the highest quality products, in order to provide you with Nature's Ultimate Grow Medium.



Popular Applications of *CocoSpezza Agri Products*

Our products are shipped to many countries world-wide and are formulated for many special applications.

Applications

Professional Growers

- ❖ Commercial Nurseries
- ❖ Hydroponic Gardening
- ❖ Pot-mix Manufacturing
- ❖ Plant Bedding
- ❖ Compost Manufacturing
- ❖ Farming Activities
- ❖ Substrate Production

Other Applications

- ❖ Animal Bedding
- ❖ Chemical Spillage Absorbent
- ❖ Mushroom Farming
- ❖ Bonsai Mixtures
- ❖ Vegetable Bedding

Coco Peat



Coir Fiber



Husk Chips



CocoSpezza Agri Products

Our *CocoSpezza Agri* range of products are fabricated from carefully processed premium quality raw materials in order to ensure consistent quality and performance. We are pleased to accommodate your OEM requirements including special packaging, product specifications and requirements which can be arranged upon request.

650g Briquets

Base Materials	: Graded Coir Fiber Peat, Husk Chips or Custom Formulations.
Dimension	: L= 20 cm, D= 10 cm, H= 5 cm (+/- 0.5 cm)
Dry Weight per Briquet	: 650g
Compression Ratio	: 8 : 1
Expanded Volume	: 5 -9 Liters
Relative Humidity (RH)	: 15% - 20%
EC	: < 0.8 mS/cm (0.3 – 1.0 mS/cm can be provided as per client requirements)
Container Utilization	: 650g X 2,000 per pallet, 20 pallets = 40,000 units per 40' HCL



5kg Blocks

- Base Materials** : Coir Fiber Peat, Husk Chips or Custom Formulations.
- Dimension of Block** : L= 30 cm, D= 30 cm, H= 15 cm (+/- 0.5 cm)
- Dry Weight per Block** : 5 Kg (+/- 0.5 kg)
- Compression Ratio** : 5 : 1
- Expanded Volume** : 70 - 80 Liters
- Relative Humidity (RH)** : 10% - 20%
- EC** : < 0.8 mS/cm (0.3 – 1.0 mS/cm can be provided as per client requirements)
- Container Utilization** : 5kg X 240 per pallet, 20 pallets = 4,800 units per 40" HCL



25kg Bales

- Base Materials** : Coir Fiber Peat, Husk Chips or Custom Formulations.
- Dimension of Bale** : L= 44 cm, D= 30 cm, H= 70 cm (+/- 1 cm)
- Dry Weight per Bale** : 25 Kg, (+/- 2 kg)
- Compression Ratio** : 2.5 : 1
- Expanded Volume** : 200-225 Liters
- Relative Humidity (RH)** : 30% - 40%
- EC** : < 0.8 mS/cm (0.3 – 1.0 mS/cm can be provided as per client requirements)
- Container Utilization** : 25kg x 28+4 per pallet, 20 pallets = 640 units per 40" HCL



500kg Bales

Base Materials	:	Coir Fiber Peat, Husk Chips or Custom Formulations.
Dimension of Bale	:	L= 100 cm, D= 100 cm, H= 120 cm (+/- 5 cm)
Dry Weight per Bale	:	500 Kg, (+/- 50)
Compression Ratio	:	2 : 1
Expanded Volume	:	3,000 Liters
Moisture content (w/w)	:	40% - 50%
EC	:	< 0.8 mS/cm (0.3 – 1.0 mS/cm can be provided as per client requirements)
Container Utilization	:	500kg x 2 per pallet, 20 pallets = 40 units per 40' HCL

1,000kg Bales

Base Materials	:	Coir Fiber Peat , Husk Chips or Custom Formulations.
Dimension of Bale	:	L= 100 cm, D= 100 cm, H= 240 cm (+/- 5 cm)
Dry Weight per Bale	:	1000kg, (+/- 100)
Compression Ratio	:	2 : 1
Expanded Volume	:	6,500 Liters
Moisture content (w/w)	:	40% - 50%
EC	:	< 0.8 mS/cm (0.3 – 1.0 mS/cm can be provided as per client requirements)
Container Utilization	:	1,000kg x1 per pallet, 20 pallets = 20 units per 40' HCL

Grow Bags – Lay Flat

Base Materials	: Graded Peat, Husk Chips, Aged Cocopeat & Custom Formulations & Sizes.
Dimension (Dry)	: L= 100 cm, D= 20 cm, H= 3 cm or custom size
Dimension (Wet)	: L= 100 cm, D= 20 cm, H= 12 cm (+/- 1 cm)
Dry Weight	: 2.6kg
Compression Ratio	: 6 : 1
Moisture Content	: 15%-20%
EC	: < 0.8 mS/cm (0.3 – 1.0 mS/cm can be provided as per client requirements)
Container Utilization	: 2.6 kg x 430 per pallet, 20 pallets = 8,600 units per 40' HCL



Grow Bags – Square Bag

Base Materials	: Coir Fiber Peat, Husk Chips, Aged Cocopeat, Perlite, Compost or Custom Formulations & Sizes.
Dimension (Dry)	: L= 15 cm, D= 12.5 cm, H= 6 cm (+/- 0.5 cm) to required size
Dry Weight	: 0.7 kg upwards
Compression Ratio	: 4 : 1
Moisture Content	: 15%-20%
EC	: < 0.8 mS/cm (0.3 – 1.0 mS/cm can be provided as per client requirements)
Container Utilization	: As per customer size specifications

Germination Disks

Base Materials	:	Coir Fiber Peat, Husk Chips or Custom Formulations.
Size	:	Diameter = 4.5cm – 7cm
Dry Weight	:	7.5 - 10g
Compression Ratio	:	8 : 1
Expanded Volume	:	0.5 – 1.7 Liters
Moisture Content	:	15% - 20%
EC	:	< 0.8 mS/cm (0.3 – 1.0 mS/cm can be provided as per client requirements)
Container Utilization	:	As per customer size specifications





Other Products

Animal Bedding Solutions

Due to its high liquid absorption, minimal dust generation, ease of handling, propensity for rapid composting and exceptional ammonia absorption properties, animal bedding made of coconut husk products are fast becoming the preferred choice for many top tier equestrian facilities and small pet owners alike.

CocoSpezza Equine provide especially formulated horse bedding solutions for the modern equestrian industry. The *CocoSpezza Pet* range of products consist of litter, bedding and substrate solutions for domestic cats, terrariums, reptiles, amphibians, insects and small mammals. These products are custom formulations to cater to the specific requirements of the pet's needs and ease of husbandry. We at *CocoSpezza* continually strive to deliver convenient, environmentally friendly product which is ideally suited for any application.

Premium Long Coconut Fiber for Industrial Applications

The coir fibers that are extracted from the inner layer of the coir husk are very durable, extremely strong and are very tensile. Largely used in large-scale production of ropes, mattresses and brushes, it is now utilized in many advanced material developments, including fabrication of space shuttle components.

Our fiber mills manufacture an exclusive range of high-quality industrial fiber products to cater to different industrial needs.

- ❖ Bristle fiber
- ❖ Omat Fiber
- ❖ Mattress Fiber

Coir Fiber Bales (Graded Fiber/Mix Fiber)

Bale Weight : 100 – 150kg
Loading : Bulk Pack (20 – 24 MT/40' HC Container)

Mattress Fiber (Fiber Graded to Specifications)

Application : Bedding and Upholstery Industry,
Drainage Filters
Loading : 150 Kg/Bale; 160 Bales/Container (24 MT),
125 Kg/Bale; 160 Bales/Container (20 MT),
50 Kg / Bale; 400 Bales /Container (20 MT)





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