

KELPEAT

100% Organic & eco -friendly

KELPEAT PLUS

The best combination of organic & natural substrate

KELPEAT :

Kelpeat and Kelpeat Plus are made of scientifically decomposed Coconut pith. It is 100% Organic Manure and is an eco-friendly soil conditioner. It has appreciable quantities of NPK and micronutrients.

KELPEAT PLUS :

Kelpeat Plus is a combination of a natural substrate Perlite and established organic manure - Kelpeat. Both are ideally suited for potted plant, Home gardens, Seed Germination, rooting etc.,

ADVANTAGES :

- ❖ It improves water holding capacity upto 500% by weight
- ❖ Soil erosion can be reduced by regular application of Kelpeat
- ❖ It helps to retain chemical fertilizers in the plant root zone for a longer period
- ❖ It reduces watering frequency in garden crops.
- ❖ It increases soil respiration and helps plants to develop strong and healthy root systems.
- ❖ It improves microbial activities in the soil.
- ❖ Kelpeat Plus helps in breaking up of hard and compacted soil rendering it suitable for growth, giving plant life a long lasting effect.
- ❖ It aids irrigation of new soil structure.
- ❖ It eliminates the need for top soil
- ❖ It also helps in neutralising PH of acidic / saline soils.

APPLICATIONS :

- | | |
|--------------------|-------------------------|
| ❖ Seed Germination | ❖ Vegetable Cultivation |
| ❖ Rooting Media | ❖ Home Garden |
| ❖ Potting Mix | ❖ Dry Land agriculture |
| ❖ Floriculture | ❖ Plantations |
| ❖ New Lawns | ❖ Forestry |

METHOD OF APPLICATIONS :

1. GERMINATION OF SEEDS :

Fill the seed tray with Kelpeat plus to a depth of about 50 mm and sow the seeds. Spread a thin layer of Kelpeat plus and cover the seeds. Expose the seedlings to mild sunlight after germination. Transplant when the seedlings are ready.

2. ROOTING OF CUTTINGS :

Prepare a mix of 1part of Kelpeat plus and 3 parts of soil or 1 part of Kelpeat and 1 part of soil and fill this mix in a container. Place the cuttings and water. Remove the cutting after rooting and plant it in the ground.

3. POTTING MIX :

- 1 Part of Kelpeat plus +3 Parts of soil
- 1 Part of Kelpeat + 1 part of soil

4. NEW LAWNS :

Prepare the soil by raking, remove weeds, spread Kelpeat plus (2-3 Kgs for 1 Sq.M). Transplant and water.

5. FLORICULTURE :

Mix 2 parts of Kelpeat plus with 1 part of soil and 1 part of sand. This mixture is to be spread on the raised beds. Transplant the cuttings / seedlings and water

6. OTHER APPLICATIONS / RESULTS :

- Kelpeat applied to teak seedlings @ 2.5 kgs per seedling have grown upto 30 feet tall in two years.
- Kelpeat applied to dry land crops like Ground Nut, Sorghum gave 15-20% better yield.
- Applying 2.5 kgs of Kelpeat per plant per year has shown better performance in Rubusta Coffee.
- In case of Kelnut and Areacanut applying 2.5 kgs per plant has given 20-25% more yield.

7. PROPERTIES OF KELPEAT & KELPEAT PLUS

a) Physical Properties :

Bulk Density : 350 to 400 Kgs per Cu. Mtr
Water holding capacity: Upto 500% by weight

b) Chemical Properties :

Major Nutrients		Minor Nutrients	
* Nitrogen	1.4%	* Calcium	4.00%
* Phosphours	1.4%	* Magnesium	0.70%
* Potash	1.4%	* Sulphur	1.00%
		* Iron	0.09%
		* Manganese	20.10 ppm
		* Zinc	15.80 ppm
		* Copper	6.2 ppm

OTHER PROPERTIES :

* Ph	6.5 to 7
* EC	0.50 m. mhos
* Moisture	60 - 70%
* Cellulose	15.00%
* Lignin	10.00%
* C.N. ratio	25 : 1

8. LIMITATIONS :

- Kelpeat is an Organic Manure prepared from natural material and variation in the properties is expected.
- Kelpeat is not a fertilizer though it contains small percentage of major and micro nutrients.
- Kelpeat or Kelpeat Plus should be used for hardening of tissue culture plantlets only on a selective basis.

Packing :

Available in 25 Kgs in HDPE woven sacks.



MAKE YOUR PLANTS GLOW, NOT JUST GROW

AN ISO 9001 & 14001, OHSAS 18001 CERTIFIED COMPANY



KELBRICK

(Premium Quality Coirpith Block)

Kelbrick, a premium quality coirpith block, made from low sodium coirpith, which is cleaned and sieved by special techniques before briquetting into 5 Kg blocks.

Kelbrick, is free from weeds and pathogen and has acceptable pH and EC Values. The blocks are also free from toxic elements.

ADVANTAGES

Kelbrick, has the following features for luxuriant plant growth.

- ❖ Improves soil structures
- ❖ Eliminates soil crushing and compacting
- ❖ Reduces watering frequency.
- ❖ Free from weeds and pathogens.
- ❖ Neutral medium
- ❖ Improves microbial activities in the soil.
- ❖ 100% Eco-friendly organic growing media
- Contains natural nutrients
- ❖ Improves water holding capacity while maintaining porosity.

EXPANSION :

- ❖ Break the brick into small pieces
- ❖ Add 20-30 litres of water
- ❖ Output of peat will be 70-80 litres.

APPLICATIONS :

- ❖ Potting Mix
- ❖ Hanging pots
- ❖ Flower beds
- ❖ Vegetable beds
- ❖ Landscaping
- ❖ Lawn
- ❖ Floriculture
- ❖ Roof garden
- ❖ Mushroom growing

SPECIFICATION OF KELBRICK

Block Size	30 cm X 30 cm X 15 cm
Compression	5 : 1
Expansion	1 : 5
EC	0.05 d s/m
PH	6.0 to 7.0
Moisture	<20%
N	<0.02%
P2O5	<0.5%
Appearance	Brownish with approx 10% of cut fibre
Weight	5 Kg (± 5%)

Dealer near you

Branch Office

— Regd. Office : —

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Soilrite

.....MIX.....

The Eco-friendly Soil Conditioner

Soilrite mix is a mixture of horticultural grade Perlite, Irish Peat Moss and Vermiculite. (1/3 : 1/3 : 1/3)

APPLICATIONS OF SOILRITE MIX

- ❖ Container growing
- ❖ Outdoor Gardening
- ❖ Landscaping & Interior Scapes
- ❖ Plant Tissue Cultures
- ❖ Potted Plants
- ❖ Seed Germination
- ❖ Plant Propagation
- ❖ Rooting
- ❖ Lawns / Turf Conditioning
- ❖ Golf Greens
- ❖ Soil Conditioning.
- ❖ Roof Gardens.
- ❖ Propagating media for grape rootstock

Advantages

- ❖ Lightweight and easy to move containers.
- ❖ Reduces nutrient requirement due to less leaching effect.
- ❖ Reduces watering frequency
- ❖ Repotting only after 2 years.
- ❖ Separate sterilization not required.

Usage Instructions :

- ❖ For Potted Plants : Mix the soil with soilrite mix in the following proportions.
Red Soil : 1 part soilrite mix +3 parts soil
Clay Soil : 1 part soilrite mix +2 parts soil
Sandy Soil : 1 part soilrite mix +1 part soil
 - ❖ Repotting : with soilrite mix repotting needs to be done only once in 2 years. Loosen soil to a depth of 6 inch. Mix soil and soilrite mix in above mentioned proportions. Then wet the soil.
 - ❖ For Flowering Beds : Dig planting pockets 15 cm larger than the root cluster, place plant and fill pocket with soilrite mix. Then wet the soil.
 - ❖ Reconditioning : With soilrite mix, reconditioning needs to be done only once in 2 years. Follow the same procedure recommended for flowering beds.
- Packing : Soilrite Mix - 25 kgs in PP woven sacks
1 kg pack.

Soilrite

MIX-TC

Soilrite mix-TC is a mixture of horticultural grade perlite and Irish Peat Moss specially made for tissue culture applications in laboratories and green houses for vegetative multiplication under disease free conditions.

Packing : Soilrite Mix-TC - 25 kgs in PP woven sacks.

Soilrite Mix -TC is a sterile media free from pathogens and weeds.

Applications :

- ❖ Hardening of Tissue culture plants
- ❖ Rooting media
- ❖ Germination of seeds

Specification of Soilrite Mix – TC:

Contents	Irish Peat moss - 75% Horticulture grade Expanded Perlite - 25%
pH	6.5 - 7.0
Moisture	50 - 60%
Electrical Conductivity	0.04 ds /m
Organic Carbon	8%
Bulk Density	300 -350 kgs per cu. m.

KEL

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Soilrite - C

Horticultural Grade Expanded Perlite

Perlite is a alumino-silicate of volcanic origin, which when crushed and heated rapidly expands to form a white light weight stable aggregate, possessing a closed cellular structure, water is retained only on aggregate surface and in pore spaces between aggregates, the result is a well drained light weight media, easy to handle and transport. The aggregate have good structural integrity and do not break down when utilised as a propogating media or in planting mixes. The development of a near ideal structural conditions in growing and propogating media is made possible by the following characterstics of Horticultural grade perlite.

Form & Colour	Coarse Granules - White in Colour
Bulk Density	120 - 150 Kgs per cu. m.
Particle Size	90% between 4.75 mm - 0.150 mm
Hardness	MOHS 5.5
pH	Neutral
Free moisture	0.5% Max

FEATURES

- ❖ Improves aeration and drainage
- ❖ Moisture and nutrients made readily available to plants
- ❖ Sterile - Weed and disease free
- ❖ Inorganic - does not deteriorate
- ❖ pH essentially neutral 6.5 to 7.0
- ❖ Insulator - reduces extreme soil temperature fluctuations.

Packing : Soilrite -C - 10 Kgs in PP woven sacks.

Vermiculite

Vermiculite is a member of the phyllosilicate group of minerals, resembling mica in appearance. It is found in various parts of the world, which has the remarkable ability to expand to many times its original volume when heated---a property known as exfoliation. The pH of Vermiculite is essentially neutral.

Vermiculite has the excellent property of improving soil aeration while retaining the moisutre and nutrients necessary to feed roots, cuttings, and seeds for faster growth.

It is found as a best clonal propagating media for the forest species like Eucalyptus, Teak, Bamboo, Acacia etc.

APPLICATIONS

- ❖ Clonal Propagation of Forest Trees
- ❖ Rooting & Cuttings.
- ❖ Soil Amending or Soil Conditioning.
- ❖ Seed Germination
- ❖ Stroing Bulbs and Root Crops.

Packing : Available in PP woven bags of 10 kgs net weight



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