



PELICAN
Biotech & Chemical Labs

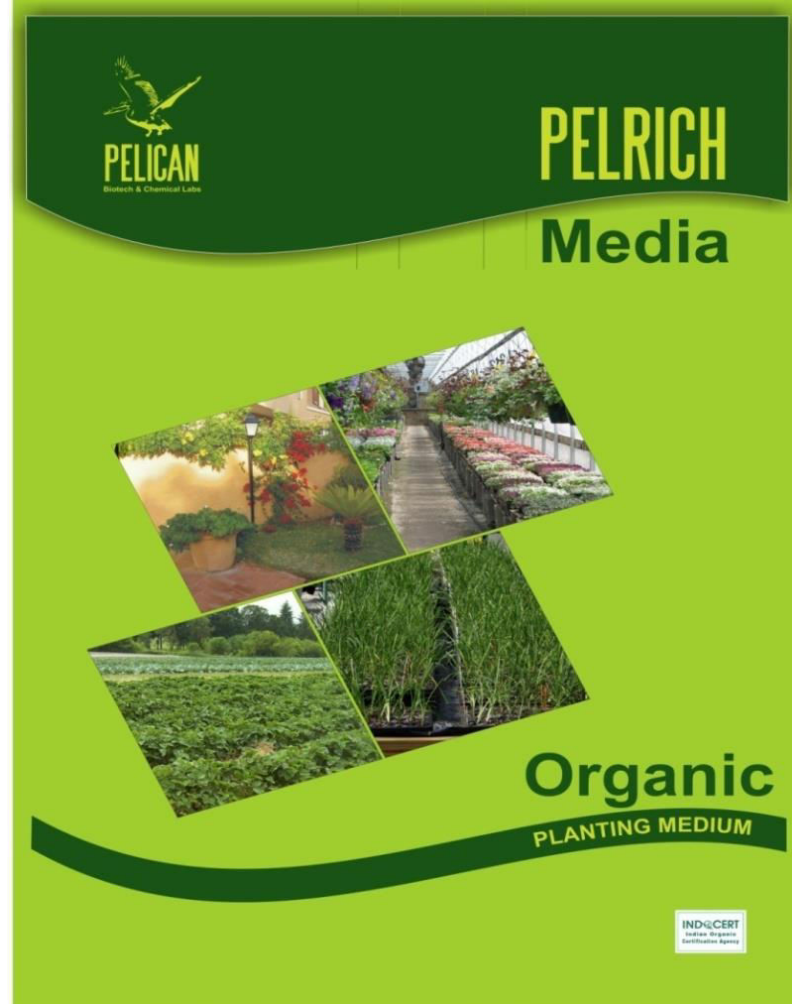
Creating wealth from waste

**PELICAN BIOTECH & CHEMICAL LABS (P)LTD.
(A DSIR RECOGNIZED R&D UNIT)**

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What is planting media?

Plants don't grow on soil, they do in Humus

- ❖ **Soil is a technically inert material made of silica and other minerals, where plants only anchor –for the physical support**
- ❖ **For absorbing nutrients it need HUMUS – the dynamic interface – into which the roots grow**
- ❖ **In natural soil, where the humus content is less than 5% , the plants need to spread its roots searching for the humus to have required surface area to interface with humus – for eg: an average shrub 25Litres of soil to spread out its roots**
- ❖ **More the humus in the soil, lesser root length required. For eg: the shrub mentioned earlier needs only 5L of soil if it has 25% humus – the principle behind PLANTING MEDIA**
- ❖ **PLANTING MEDIA is humus enriched growing media for plants.**



What is

PELRICH Media ?

An organic planting medium that can replace SOIL in gardening. It helps growing plants wherever you want ... Indoors, balconies and terrace. It is 100% bio-degradable and nutritionally complete.

Ingredients

Composted coir pith, wood ash, crushed neem kernels, press mud compost, protein hydrolysate and micro nutrients

Nutritional Analysis

Total Humus Content > 10%

Total Organic Matter > 45%

Total Microbial Load > 2 Lac CFUs

Nutrients - Nitrogen, Phosphorus, Potassium

Micronutrients - Calcium, Magnesium, Copper, Sodium, Iron, Zinc, Manganese, Boron, Barium etc

Benefits

PEAT MEDIA is ideal for all your plants, vegetable/flower beds and lawn.

Protects plants from physiological diseases like stunted growth and chlorosis

PEAT MEDIA Enhances root growth by increased aeration in the root zone and increases immunity of plants.

PEAT MEDIA is pre-processed for immediate bio-availability of nutrients and hence gives faster results.

PEAT MEDIA have natural forms of essential nutrients nourishing the plant.

PEAT MEDIA has high water retention capacity. Need watering once in 4 days only

**Substitute for Carbon negative global warming
Peat moss planting media**

Supports Organic Farming - Certified by INDOCERT.



COMPOSITION

Prepared from coir pith compost enriched with adequate dosage of essential nutrients – growing media very superior to soil.

PRODUCT SPECIFICATION- PELRICH PLANTING MEDIA

Test	Specification
Lignin	20 -25 %
Nitrogen	0.1- 1.0 %
Phosphorus	0.1 – 1.0 %
Potassium	0.1 – 1.0 %
Ash content	10- 15 %
Moisture content	40- 60%
Electrical conductivity	0.6 – 1 mmhos / cm
pH	5.0 - 7.5
Water holding capacity	500- 600 %
Total organic matter	NLT 80 %

Gardening made a real hobby - -



Cut open Pelrich media bag, fill it into pots, wet it

Put a seed, plant a sapling.



How much to use – pelrich planting media

In pots :-

- For herbs – 3 - 5L of planting media
 - For ornamental plants – 5 – 20L of media
 - Taller plants like banana – 50L of media
- (5 – 10% of media is used up every year which needs to be topped up)**

ADVANTAGES

- Holds water equivalent to 6 times its weight reducing irrigation cycle.
- Ensures sustained release of nutrients to the plant
- Excellent medium for microbial proliferation,
- Pelrich planting media is required in quantities $\frac{1}{3}$ rd of the soil due to its high humus content, high rooting properties and aeration.
- Sapling/seedling establishment and replanting very easy due to very strong rooting in light Pelrich Planting media.
- Supports all form of cultivation including poly-house farming.

PLANTS GROWN ON PELRICH PLANTING MEDIA



TERRACE GARDENING



- ❖ Easy access to planting media in cities where soil is a rarity and bad for ecosystem.
- ❖ Easy transport of saplings/seedlings for landscapers/gardeners and nurseries enabling instant garden
- ❖ Best option for vertical garden, terrace/balcony garden due to light weight, water retention and less media requirement.



**LAWN grown on Pelrich media grown on
Geotextiles**

BANANA in Pelrich media grown in Geotextile Basket





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