How to improve the soil structure & water holding capacity of the soil

Coco peat :

Coco peat, also known as coir pith, coir fibre pith, coir dust or simply coir, is made from coconut husks , which are by-products of other industries that use coconuts. Coco peat is used as a soil additive. It has air filled porosity and water holding capacity makes it an ideal growing medium for plants. It is 100% organic and eco-friendly, free from soil borne pathogens and weeds.

Sphagnum moss :

Sphagnum moss is a natural , organic soil conditioner that regulates moisture and air around plant roots for ideal growing conditions.

Sphagnum moss has the following benefits :

**Saves water :** moss retains up to 20 times its weight in water and releases water slowly as plants need it.

**Aerate heavy clay soils :** it allows for proper root growth by loosening and aerating soils.

**Binds sandy soils :** by adding body to sandy soils sphagnum peat mosshelps it retain moisture and nutrients.

**Reduces leaching :** Sphagnum moss reduces leaching on fertilizers. Tgis will save on fertilizer.

Perlite :

Perlite is a volcanic mineral which is used by growers and gardeners to promote drainage and aeration in heavy clay soils. It retains moisture for successful plant growth. It has a neutral Ph and is a sterile, lightweight medium.

Vermiculite :

Vermiculite is the name of a group of hydrated laminar minerals which look like mica. When added to soil it increases water and nutrition retention and aerates the soil , producing healthier plants. It is sterile , lightweight and mixes easily with other mediums.