



Benefits of Peat Moss in ProPEAT Fertilizer

Technical Fact Sheet

The following qualities are what makes peat moss a unique and sought-after product in horticulture and agriculture, whether as a principle component in growing media or as a soil amendment.

- It Improves soil structure, increases water retention in light sandy soils and helps to reduce the leaching of nutrients. Peat moss can retain up to 20 times its weight in water
- It Aerates and improves drainage of heavy clay soils, allowing roots to breath, grow and better absorb nutrients.
- It Improves Soil Buffering capacity because peat moss is highly tolerant to pH variations.
- It improves the cation exchange capacity (CEC) that **helps to retain minerals, releasing them over time and preventing the leaching of fertilizers.**
- It is a natural resource free of weeds and pollutants.
- Peat moss allows plants to grow in aerated and well-structured soil, guaranteeing healthy vigorous plants.
- adds valuable **Organic Matter** with many **beneficial microorganisms.**

Peat stimulates plant growth and root development by improving the structure of the growing media. It also increases soil buffering capacity and prevents the leaching of fertilizer nutrients. Peat has the ability to loosen clayey soils and to improve their porosity making it a choice ingredient in soils.

- What peat does for the environment:
 - it produces oxygen;
 - it reduces air pollution;
 - it improves water quality (reduces erosion, slows surface water runoff);

High CEC – Cation Exchange Capacity

- CEC is an acronym for cation exchange capacity and refers to a soilless medium or soil's capacity to hold and exchange mineral nutrients.
- ProPEAT provides a range of Humic and Fulvic acids increasing the CEC value.

ProPEAT has .5% available Humic Acid at time of application, as the peat breaks down over time additional humic acid is released.

