

# Green Substrate

Patented AST product



Green Substrate for hortic culture is a high quality substrate with good structure properties. The product can be used as a component in all substrate in additions up to 100%. Green Substrate can be stocked in stack without heating. Green Substrate is a "peat free" and also a CO<sub>2</sub> neutral product.

## Green Substrate GS80 specifications:

Dry matter:	Target: 80% ± 5 TS *
Dry matter quantity:	Target: 150 ± 15 kg/m <sup>3</sup>
Conductivity:	Target: 0.8 ± 0.25 mS/cm
PH:	Target: 8.25 ± 1
Density at 80% TS:	Target: 165 ± 15 kg/m <sup>3</sup>
Density at 45% TS:	Target: 260 ± 30 kg/m <sup>3</sup>
Swell capacity:	Target: 15% ± 5 *



\*The low moisture content/ high dry matter content means that when incorporating into horticulture substrates can absorb up to 50% water. In this regard, the product swells so that 1 ton will correspond to 7.5 m<sup>3</sup> substrate.

0% 20% 40% 60%  
Test mixture of GS80 and spagnum

## Green Substrate - PEAT FREE SUBSTRATE

Our process provides a heat-treated substrate with low nutrient content based on degassed biomass from biogas plants. The product has been successfully tested in up to 100% mix with spagnum/Coir/wood fiber on plants and vegetables in the horticulture industry. The product is also successfully tested in up to 50% mix with phase 3 mushroom substrate in a commercial champion production. Our process is patented in EU and USA.

### Fits into the UN Sustainable Development Goals

