



NuTriSep

Full treatment and **nutrient recovery** from digestate and manure



turf-free!

Full-value **peat substitute** from digestate



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NuTriSep

Full treatment and **nutrient recovery** from digestate and manure

NuTriSep offers the all-round solution for nutrient surpluses in agricultural regions: Instead of transporting manure and digestate over long distances, the material is broken down into its constituent parts and processed into **high quality products**:

- Mineral phosphate with 20-25 % P_2O_5
- Ammonium sulfate solution (ASL) with > 10% N
- Potassium concentrates for local fertilisation
- Low-nutrient, soil conditioner
- Optional dischargeable residual water for volume reduction



The plant is designed according to industrial standards and equipped with fully automated control technology.

The **economical full-scale plant** is designed to process 70,000 m³ per year or more.

A visit of the first full-scale plant is possible any time. Please contact us for an appointment!

turfree!

Full-value **peat substitute** from digestate

turfree! provides the peat substitute of the future: Peat as the most important basic material for the production of plant soils must be completely replaced. A massive demand is emerging that cannot be met with the current state of technology.

In the course of research at NuTriSep, we developed a process for the production of a full-value **peat substitute** from biogas digestate with high value creation potential and profitability for biogas plants. In intensive investigations, we were able to demonstrate the high suitability for plant cultivation and a high peat-similarity:



- Very good plant growth in representative studies
- Low nutrient concentrations
- Very low salt content
- Good water retention and aeration

The first plant will be built this year and can be visited in 2023!