

FROM CRITICAL AMMONIUM TO CLIMATE-FRIENDLY FERTILISER

AQUA2™ N

Aqua2™N removes and recovers ammonium nitrogen from liquid wastewater streams.

THE ADVANTAGES OF THE AQUA2N PROCESS

- Efficient nitrogen removal: 95% $\text{NH}_4\text{-N}$ depending on concentration
- Recovery of the removed nitrogen as ammonium sulphate for agricultural use
- No nitrous oxide emissions
- Scalable technology
 - Easy integration into existing wastewater treatment plants
 - Standard process equipment
 - Simple maintenance and operation
- Robust process & short start-up time

FERTILISER – REVOPURE™

- The product produced by this process is a liquid ammonium sulphate ($(\text{NH}_4)_2\text{SO}_4$) with a concentration of 30–40%
- Can be used separately or mixed with other fertilisers
- The agronomic effect has been demonstrated in pot trials and is comparable to commercially available ammonium sulphate*
- The product has a significantly lower carbon footprint than newly manufactured ammonium sulphate, even without taking into account the reduction in nitrogen oxide emissions at the sewage treatment plant**
- Compliant with REACH, End of Waste and the EU Fertiliser Products Regulation 2019/1009 (CMC12)

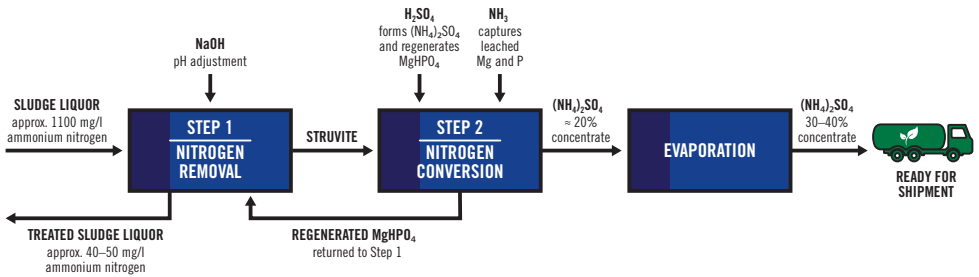
*Demonstrated in a study by the Swedish University of Agricultural Sciences (2022)

**Demonstrated in a life cycle assessment 2022/2023



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 **EasyMining**
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MOBILE PLANT AS AN INNOVATION PARTNERSHIP

- Flexible plant operation up to 240 m³/day
- Process window: > 1,000 mg/L NH₄-N, < 500 mg/L AFS
- Five 40' shipping containers and a storage tank for the product
- Floor space required: approx. 275 m²
- Total gross weight: approx. 300 t

Our commitment: EasyMining is responsible for the design, construction and commissioning of the plant.

Your commitment: As the customer, you are responsible for day-to-day plant operation and for purchasing the necessary chemicals.

Benefits: You gain access to the nitrogen purification technology of the future. EasyMining can also support the process of finding a market for the end product generated by the plant.

After the trial period, you can choose between renting or buying the system.



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