

TRAINING MATERIAL

Title:

Ammoniumsulphate from pig manure or digestate with VP-Hobe Manure Valorisation system

Training:

What is the product?

The Ammoniumsulphate is a liquid fertilizer with 7% N (NH₄).

Who is the vendor of the product?

VP-Hobe BV (<http://www.vp-hobe.nl/>) is a manure processing technology company in the Netherlands.

Short presentation of the vendor:

VP-Hobe is developed its own Manure Valorisation System using flotation, belt press sieve, reverse osmosis, evaporation and stripping technologies.

Product features:

Which are the advantages of the product and the problems addressed?

- Liquid nitrogen fertilizer
- Potential RENURE fertilizer
- Natural product
- Low in phosphate
- Free from salmonella and E-coli

Which equipment and methods can be used to apply the product?

Application can be done using liquid manure injection systems. Low emission application techniques are compulsory to prevent ammonia volatilization.

Which is the nutrient content of the product?

- N (NH₄): 70 g/kg
- P₂O₅: 0 g/kg
- K₂O: 0 g/kg
- S: 76 g/kg

How to use the product?

The ammoniumsulphate can be used in grassland, potatoes, corn. Application doses depend on crop application rates. Currently max 170 kg N/ha as livestock manure (230-250 kg N/ha for derogation farms in NL). This product is a potential RENURE fertilizer. Sulfur can be limiting application on grassland. Because the N and K are separated in two fractions optimal N/K balance can be achieved using precision fertilizing techniques using biobased fertilizers.

Which are the authority permits and in which EU countries?

Authority permit not necessary for local distribution. This product is a potential RENURE fertilizer which means that application will no longer be defined as livestock manure in the Nitrates Directive. This means application will no longer be limited to 170 kg N/ha.

How much does it cost?

Costs for farmers will be approximately €0 per ton ex works.



For more information: https://nutriman.net/farmer-platform/product/id_1529