



NUTRI•KNOW

STRUVITE (IT)

RENURE (BE)

POCKETBOER 2  
(BE)

Grass2Algae  
(BE)

MOPS (IE)

Duncannon Blue  
Flag Farming (IE)

Biorefinery  
Glas (IE)

Slurry  
Concentrator  
(ES)

Manure  
Management  
Tool (ES)

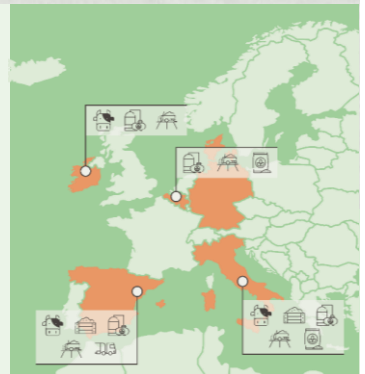
FERTICOOP-GO  
(ES)

SOS\_AQUAE  
(IT)

GAS LOOP (IT)

## Exchanging easy-to-understand nutrient management knowledge with farmers

NUTRI-KNOW aims to improve nutrient management practices in agriculture by establishing an ongoing cycle of knowledge exchange for the benefit of both farmers and the environment.



# RENURE

## REcoverd Nitrogen from manURE

RENURE aims to prepare the agricultural sector for the use of ammonium salt fertilisers (ammonium nitrate and ammonium sulphate) by making the transition from research-based field trials to a practical evaluation at the farmer's premises.

### Main challenges

The Flemish agricultural sector faces a paradoxical scenario: while there is an excess of animal nutrients available, additional nutrients are being introduced in the form of fertilisers.

### Ammonium salts as RENURE products

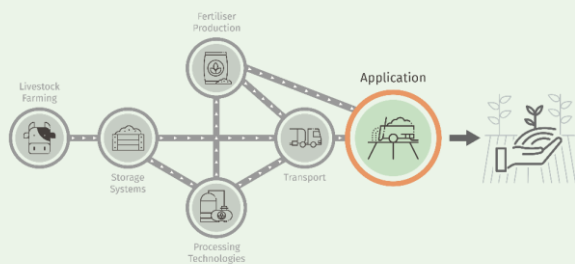
In 2020, the European Commission proposed the "RENURE" criteria to allow the safe use of recovered nitrogen from manure as a replacement for chemical fertilisers. Ammonium salts recovered from manure can be used as a priority RENURE product.

### Field application

Five field trials were set up in 2022 and one in 2023 to evaluate ammonium nitrate recovered from animal manure through stripping and scrubbing process.

### Results

- The ammonium nitrate recovered from animal manure performs as well as artificial fertilisers in terms of effectiveness and fertilising value.
- Applying ammonium nitrate with a row tiller or with injection is preferred as a low-emission method over application with a spray boom
- The status of animal manure in the current regulations is limited for ammonium nitrate application



Field injector for ammonium salts

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our journey!**

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