



**veenhuis**

# NUTRI-FLOW



## Why?

Veenhuis contributes to nourishing soil, plants, animals and humans. A sustainable agriculture and food chain is a worldwide goal. We believe in a closed cycle of organic manure and thus in the most optimal utilization of nutrients within this manure.



## How?

Veenhuis Machines develops, designs and manufactures systems and products in order to enable growers to benefit from organic manure and its nutrients. By measuring and low emission application Veenhuis contributes to the reduction of excretion within the nutrients cycle. Manure isn't the real problem; validation, the proper use and application of it is our challenge.



## What?

Veenhuis has concentrated on processing, transport and application of manure since 1938. Our specialism is valued all around the world; the familiar yellow Veenhuis machines are the guarantee of quality.



Liquid  
fertiliser

GPS

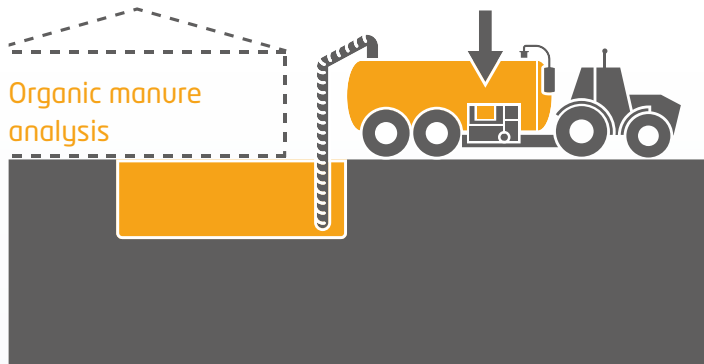
Isobus  
control

Nutri-flow  
sensor

GPS  
section  
control

Blending  
liquid  
fertiliser

# NUTRI-FLOW Precision Fertilizing



Veenhuis has developed Nutri-Flow and starts the validation of organic manure based upon the analysis of nutrients within organic manure. By using NIRS technic, following organic manure nutrients are registered: **nitrogen, phosphate, potassium, ammonium and dry matter (N, P, K, NH<sup>4</sup>-N Ammonium, DM%)**

Analyses can be taken at the source before transportation but also real-time during the low emission application of the organic manure. Nutri-Flow enables growers to tailor the application and use of organic manure, in fact the nutrients within, at the spot adjusted to the specific needs of the soil and plants grown.

Nutri-flow is an important part of precision farming and agriculture, as it validates organic manure up front and real time before application. It saves growers for corrective measures afterwards.

**Knowing = Growing,  
Guessing = Stressing!**

**Veenhuis Nutri-Flow enables growers to know!  
So they grow!**

## Advantages - How

- + Validation of organic manure
- + Better use and application of organic manure
- + Results become measurable

## Veenhuis enables - What

- + Ultimate analysis of organic manure
- + Measurement of nitrogen, phosphate, potassium, ammonium and dry matter
- + Real time registration during low emission application of N, P, K, NH<sup>4</sup>-N Ammonium and DM%
- + Dose based on kg of these nutrients per hectare
- + Low emission application and dosage of organic manure based on task cards
- + Site-specific adding of liquid fertilizer,
- + Automatic section control in order to prevent overlap

