Overview of the Field Trial Activities

Stakeholder meeting 11 October 2017 Riga

Dr. Gintare Kucinskiene
Lithuanian Agricultural Advisory Service

Bellevue Park Hotel Riga, Latvia

The Aim of Field Trials

- to raise farmers‘ and other end-users‘ awareness, increase knowledge and help to build confidence relating to the effects of slurry acidification technologies (SATs).

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Partners‘ involvement

Partner	Field trails	Activities in years
RISE Research Institutes of Sweden	x	2016, 2017, 2018
Estonian Crop Research Institute	x	2016, 2017, 2018
Ltd Latvian Rural Advisory and Training Centre	x	-
Lithuanian Agricultural Advisory Services	x	-
Institute of Technology and Life Sciences (PL)	x	2016, 2017, 2018
Agricultural Advisory Center in Brwinow Branch Office in Radom (PL)	x	-
State Agency for Agriculture, Environment and Rural Areas of the German	x	2016, 2017, 2018
Federal State SchleswigHolstein (LLUR)		
Blunk GmbH (DE)	x	-
Association of ProAgria Centres (FI)	x	2017, 2018
Dotnuva Experimental farm (LT)	x	2018
Lithuanian University of Health Sciences	x	2018
Lauku Agro Ltd. (LV)	x	2018

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Field Trial activities

- Different material for acidification testing is used: **slurry of *pigs* or *cattle*, *digestates***.
- Test on different types of crops: **permanent grassland** and ***cereals***.
- Different technology of acidification is used: *in –storage* or *in-field*.
- Different types of activities are performed: *scientific* activities (small scale) or *demonstrations* (large scale).
- Aim to provide data for clear economical benefits for farms.

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Reporting template of Field Trials

1. Trial conditions

- Meteorological data
- Data about slurry parameters (dry matter content total N, NH4-N, P, K, etc.)
- Field historical data and expectations
- Data about soil analysis (pH, total N, P, K, SO4, Ca, Mg, etc.)
- Information about fertilisation of trial plots

2. Results

- Crop plots (harvest t/ha, moisture content , proteins, oil content, crude protein content)
- Soil analysis (pH, N, P, K, S, Ca, Mg, Mn, Zn, humus, soil organic matter, soil organic carbon, dissolved organic carbon)