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What is the potential of foliar fertilisation to reduce nitrous oxide emissions?
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What is the potential of foliar fertilisation to reduce nitrous oxide emissions?

Several fertiliser companies around the world promote foliar fertilization as means to reduce nitrous oxide (N_2O) emissions from agriculture.

However, only a very limited number of studies have assessed its potential.

In Denmark, there are currently several projects across institutions, measuring N_2O emissions from different fertilizers types – including these from foliar fertilizers.

Therefore, the Plant Nutrition Team at SEGES Innovation held an online workshop with national and international researchers to discuss the latest results from field trials, as well as the methodologies used.

This was an exciting opportunity to hear about new results and build a bridge between researchers working on this topic.

The key conclusions from the day were:
- Foliar fertilisation may be a measure to reduce nitrous oxide emissions, but there is considerable variation between trials.
- Collaboration is key: A joint effort from multiple institutions is still needed to assess variation between locations and years.
- Tailored protocols must be developed to avoid shortcomings and maximise replicability of results.

Thanks again to the speakers and participants for the engaging discussions – we look forward to more conversations on this important topic in the future.
Ferdinando Binacchi, Nanna Baggesen, SEGES Innovation
Marta Alfaro, New Zealand Institute for Bioeconomy Science Limited
Davide Cammarano, Takashi Tanaka, Syed Tahir Ata-Ul-Karim, Aarhus Universitet
Andreas Brændholt, University of Copenhagen (Københavns Universitet)

#FoliarFertilisation #ClimateSmartAgriculture #NitrousOxideReduction #LowEmissionFarming #AgriResearch #FieldTrials

Vis oversættelse