



Soil nitrogen: research and extension

QLIF Seminar, 13-15 February 2008

Louis Bolk Instituut, Driebergen, The Netherlands

Preliminary program (28 December 2007)

Wednesday 13 February 2008

13.30 – 14.00 Registration

14.00 – 14.30 G.J. van der Burgt, Louis Bolk Instituut. Seminar introduction:
Nitrogen's degrees of freedom.

14.30 – 15.30 Valentini Pappa, Scottish Agricultural college. **Intercrops and N use efficiency in low input agricultural systems.**

Tea break

16.00 – 17.00 Julia Cooper, Newcastle University. **Soil tests and their value as indices of N availability to crops.**

17.00 – 18.00 Gerard Ros, Wageningen University. **DON as an instrument for nitrogen mineralization prediction.**

Short tea break

18.15 – 19.15 Daniel Neuhoff, Bonn University. **Nitrogen management in organic farming: challenges and threats for vegetable production.**

Thursday 14 February 2008

9.00 – 9.45 Kristian Thorup-Kristensen, Danish Institute of Agricultural Sciences. **Root development and root patterns; impact on N leaching in crop rotations.**

Coffee break

10.15 - 11.00 Kristian Thorup-Kristensen, Danish Institute of Agricultural Sciences. **Modelling nitrogen dynamics and root development in organic rotations**

11.00 - 11.30 Geert-Jan van der Burgt, Louis Bolk Instituut: **The NDICEA model: a practical instrument to improve nitrogen efficiency.**

11.30 – 12.30 Demonstration and workshop models (van der Burgt; Thorup-Kristensen); other demonstrations; poster presentation.

Lunch break

14.00 – 15.00

Marina Azzaroli Bleken. **Closing the plant-animal loop: a prerequisite for organic farming.**

15.00 – 16.00

Kurt Möller, Giessen University. **Rotation experiment with biogas digestion of slurry, cover crops and crop residues; effects on nitrogen dynamics.**

Tea break

16.30 – 17.30

Marleen Zanen, Louis Bolk Instituut. **Effects of manure choice on soil development and short-term and long-term nitrogen dynamics.**

17.30 – 18.30

Contribution of one or two seminar participants: **What is the question to tackle, and what is the way to tackle it?**

19.00

Seminar dinner

Friday 15 Februari 2008

9.00 – 10.00

Jan de Wit, Louis Bolk Instituut. **On-farm research to increase N-efficiency of maize silage after ploughing grass clover.**

Coffee break

10.30 – 11.30

Robin Walker, Scottish Agricultural College. **Rotational experiments and nitrogen dynamics: field experiments and modelling.**

11.30 – 12.30

Open discussion on the theme: **What do we know, and what is left to investigate in the nitrogen dynamics?**

12.30 – 13.00

Final remarks and closure.