

12.10 - 12.30 : Mobility and plant-uptake of some heavy metals on brown forest soil
Fodor L. (Hungary)

12.30 - 14.00 : *Lunch*

Session 4: Nutrient dynamics - chairman : W. Werner

14.00 - 14.30 : **Key-note lecture**

Strategies for sustainable nitrogen management in intensive field crop production

Neeteson J.J. (The Netherlands)

14.30 - 14.50 : Transformations and fate of fertiliser-N applied to annual crops and grasslands
Recous S. and Loiseau P. (France)

14.50 - 15.10 : Predicting the contribution of nitrogen supplies from organic matter in grassland soils

Jarvis S.C., Hatch D.J., Shepherd M. and Lovell R. (U.K.)

15.10 - 15.30 : Volume of nitrogen removal from root space in relation to plant height and population density

Zerche S. (Germany)

15.30 - 15.50 : Mineralisation potential of organic N from manures and subsequent nitrogen supply for grass

Chadwick D., John F., Pain B., Chambers B. and Williams J. (U.K.)

15.50 - 16.10 : *Coffee*

16.10 - 18.00 : **Poster Session**

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Session 4 (continued): Nutrient dynamics - chairman : A.N. Sharpley

09.00 - 09.20 : Effect of farming practices on the soil phosphorus fractions of selected agro-ecosystems in South-Africa

Du Preez C.C. and Van Zyl A.J. (South Africa)

09.20 - 09.40 : Simulation of N-dynamics in a rapessed-cropped rendzina soil with the CERES, DAISY and SUNDIAL models

Gabrielle B., Bradbury N.J., Svendsen H., Nicolardot B., Smith J.U., Hansen S. and Gosse G. (U.K.)

09.40 - 10.00 : The soil profile amelioration and its consequences on the changes of the plant nutrient level in the soil

Voplakal K. (Czech Republic)