

Parallel workshops Tuesday 10.30-12.00

| | |
|--|---------------------|
| I. N use efficiency in diversified cropping systems or systems with cover crops Chair: Meagan Shipanski | Djäkne 1 |
| MULTI-FUNCTIONAL COVER CROPS FOR CROPPING SYSTEMS IN SOUTHERN SCANDINAVIA AND FINLAND | Helena Aronsson |
| IMPACTS OF DECLINING ROTATION DIVERSITY ON NITROGEN USE EFFICIENCY IN MAIZE | Bill Deen |
| LEGUME-BASED CATCH CROPS FOR ECOLOGICAL INTENSIFICATION | Xiaoxi Li |
| J. Models for yield and nitrogen forecast Chair: Henning Kage | Djäkne 2 |
| IMPROVING NUTRIENT USE EFFICIENCY AND REDUCING ENVIRONMENTAL LOSSES OF NITROGEN: INSIGHTS FROM A | Eileen McLellan |
| ESTABLISHING THE NITROGEN DILUTION CURVE FOR POTATO IN BELGIUM | Feriel Ben Abdallah |
| IMPACT OF VARIETIES ON BREAD WHEAT NITROGEN USE EFFICIENCY FOR YIELD AND GRAIN PROTEIN CONTENT: WHEN | Jean-Pierre Cohan |
| AGRONOMY MEETS GENETICS | |
| CALIBRATION OF A SIMPLE MECHANISTIC WHEAT MODEL FOR WITHIN-FIELD VARIABLE N APPLICATION | Lina Nolin Nyström |
| K. Different forms of mineral fertilizer N Chair: Shabtai Bittman | Djäkne 3 |
| DIFFERENT FORMS OF MINERAL FERTILIZER NITROGEN | Michael Basten |
| NITROGEN FERTILISER FORMULATION: THE IMPACT ON YIELD AND GASEOUS EMISSIONS IN TEMPERATE GRASSLAND | Rachael Carolan |
| N FERTILIZER TYPE HAS SMALL EFFECT ON DIRECT N ₂ O EMISSIONS BUT STRONG INFLUENCE ON TOTAL CLIMATE IMPACT | Monique Andres |
| OF RAPESEED CROP ROTATIONS | |
| SCENARIO MODELING OF AMMONIA EMISSIONS FROM SURFACE APPLIED UREA UNDER TEMPARATE CONDITIONS - | Andreas Pacholski |
| APPLICATION EFFECTS AND MODEL COMPARISON | |
| L. Improved management of organic N resources Chair: Lars Stoumann Jensen | Djäkne 4 |
| EFFECTS OF CRUSHING AND DRYING ORGANIC PRODUCTS ON THEIR NITROGEN AND CARBON MINERALIZATION IN SOIL | Caroline Le Roux |
| INCUBATIONS | |
| STRIP-TILLAGE COMBINED WITH SLURRY BAND INJECTION BELOW THE MAIZE ROW - A NEW APPROACH TO IMPROVE | Stefan Ebert |
| THE NITROGEN USE EFFICIENCY OF ORGANIC FERTILIZERS | |
| EFFECT OF ORGANIC FERTILIZATION ON N ₂ O EMISSIONS AND WHEAT CROP YIELD AND QUALITY | Sergio Menendez |
| EFFECT OF CONTRASTING APPLICATION TECHNIQUES ON AMMONIA EMISSIONS FOLLOWING FOOD-BASED DIGESTATE | Fiona Nicholsson |
| APPLICATIONS TO GRASSLAND | |

| | |
|--|----------------------|
| M. Monitoring and modeling N leaching in watersheds. Chair: Owen Fenton | Djäkne 5 |
| WHICH SOIL DATASET SHOULD I USE? SIMULATION UNCERTAINTIES FOR REGIONAL NITROGEN MANAGEMENT | Kiril Manevski |
| STRENGTH AND WEAKNESSES OF EARLY WARNING MONITORING SYSTEMS FOR WATER QUALITY PROTECTION: MONITORING EFFECTS OF MEASURES TO REDUCE NITRATE LEACHING | Eke Buis |
| NITROGEN LOSSES FROM AUSTRIAN AGRICULTURAL SOILS - MODELLING TO EXPLORE TRADE OFF-EFFECTS (NITROAUSTRIA) | Barbara Amon |
| DETERMINING SPATIAL IRREGULARITIES OF NITRATE CONCENTRATIONS IN IRRIGATION RETURN FLOWS OF MEDITERRANEAN IRRIGATION SUB-CATCHMENTS | Mahmut CETIN |
| N. Effects of management practices on N ₂ O emissions Chair: Sara Hallin | Biskop Thurgot |
| INTERACTIONS BETWEEN TILLAGE SYSTEM, NITROGEN FERTILIZATION AND COVER CROPPING DETERMINE N ₂ O FLUXES | Maria Ernfors |
| OPPORTUNITIES TO REDUCE NITROUS OXIDE EMISSIONS FROM AGRICULTURAL SOILS: EMISSION REDUCTION POTENTIALS AND COSTS | Wilfried Winiwarter |
| NO-TILLAGE AND MEDIUM RATES OF PIG SLURRY FERTILIZATION MITIGATE YIELD-SCALED N ₂ O EMISSIONS IN DRYLAND MEDITERRANEAN AGROECOSYSTEMS | Daniel Plaza-Bonilla |
| SPATIAL VARIATION IN SOIL PH CONTROLS OFF-SEASON N ₂ O EMISSIONS | Aina Lunden Russenes |
| O. N efficiency in animal production Chairs: Anna Hessle and Elisabet Nadeau | Biskop Lönnermark |
| NITROGEN-USE EFFICIENCY OF DIFFERENT FORAGE-BASED DAIRY PRODUCTION SYSTEMS | Harald Menzi |
| PROTEIN QUALITY OF FORAGES FOR RUMINANTS | Elisabet Nadeau |
| MEASURES TO REDUCE THE GREENHOUSE GAS EMISSIONS FROM DAIRY FARMING AND THEIR EFFECT ON NITROGEN FLOW | Nick Hutching |
| NITROGEN EXCRETION IN PREGNANT SUCKLER COWS FED DIFFERENT ROUGHAGES AD LIBITUM | Mikaela Jardstedt |