



Department of Agrochemistry, Soil Science, Microbiology and Plant Nutrition Faculty of Agronomy Mendel University in Brno

Czech Ministry of Agriculture

Central Institute for Supervising and Testing in Agriculture

Plant Nutrition Commission of the Plant Production division, Czech Academy of Agricultural Sciences

Czech Society of Soil Science

Czechoslovak Society of Microbiology

Dept. of Agroenvironmental Chemistry and Plant Nutrition, Czech University of Life Sciences Prague Dept. of Agrochemistry and Plant Nutrition, Slovak University of Agriculture in Nitra Dept. of Agricultural Chemistry, University of Agriculture in Krakow Dept. of Applied Plant Biotechnologies, University of South Bohemia in České Budějovice

SOIL, PLANT AND FOOD INTERACTIONS





6 – 8 September 2011



DETAILED PROGRAMME





Tuesday, 6[™] September 2011

08:30 - 09:30	REGISTRATION OF PARTICIPANTS, POSTER INSTALLATION
	LOCATION: BUILDING "Q", MENDEL UNIVERSITY IN BRNO
09:30 - 10:00	OPENING CONFERENCE
LOCATION:	Building "Q", Lecture Hall "Q 01", Mendel University in Brno
10:00 – 12:20	PLENARY LECTURES
LOCATION:	BUILDING "Q", LECTURE HALL "Q 01", MENDEL UNIVERSITY IN BRNO
10:00 – 10:40	S. Schubert
SALT RESISTANCE O	F CROPS — A TOOL TO COMBAT SOIL SALINITY
10:40 – 11:00	COFFEE BREAK
	IL SCIENCE, AND NANOSCIENCE: A NOVEL VIEW ON THE HISTORY OIL
	LEMENTS IN SOIL — ECOTOXICOLOGICAL AND LEGISLATIVE VIEW
12:20 – 13:30	POSTER SECTION
	LOCATION: BUILDING "Q", MENDEL UNIVERSITY IN BRNO
13:30 - 15:00	LINCH

LOCATION: BUILDING "O" - CANTEEN, MENDEL UNIVERSITY IN BRNO





AGROCHEMISTRY AND PLANT NUTRITION

LOCATION: BUILDING "Q", LECTURE HALL "Q 01", MENDEL UNIVERSITY IN BRNO

15:00 – 18:00 MEETINGS IN SESSIONS
15:00 – 15:20
15:20 – 15:40
15:40 – 16:00
16:00 – 16:20
16:20 – 16:40 COFFEE BREAK
16:40 – 17:00
17:00 – 17:20
17:20 – 17:40
17:40 – 18:00
18:00 – 19:00 POSTER SECTION
LOCATION: BUILDING "Q", MENDEL UNIVERSITY IN BRNO
19:00 – 24:00 GALA DINNER





Soil Health and Soil and Food Microbiology

LOCATION: BUILDING "Q", LECTURE HALL "Q 02", MENDEL UNIVERSITY IN BRNO

15:00 - 17:40 MEE	TINGS IN SESSIONS
15:00 – 15:20 SOIL HEALTH-BASIC ATTRIBU	TION OF SOIL CONSERVATION
	URAL SOILS IN THE CZECH REPUBLIC — PERSISTENT PS) IN SOILS AND PLANTS
	H.M. CHIDANANDAPPA, B.C. DHANANJAYA, R. SIDDARAMAPPA RIALS ON THE DISTRIBUTION OF ZINC FRACTIONS ATE, INDIA
16:20 – 16:40 COFF	EE BREAK
	N THE ENVIRONMENTALY LOADED REGIONS OF HUMENNÉ, D TOPĽOU
	L. Kubík ILTURAL SOILS IN THE CZECH REPUBLIC AND ITS IMPACT
17:40 – 19:00 Post	TER SECTION
LOCATIO	on: Building "Q", Mendel University in Brno
19:00 – 24:00 GALA	A DINNER





WEDNESDAY, 7TH September 2011

Agrochemistry and Plant Nutrition

LOCATION: BUILDING "Q", LECTURE HALL "Q 01", MENDEL UNIVERSITY IN BRNO

09:00 – 12:20 MEETINGS IN SESSIONS
09:00 – 09:20
09:20 – 09:40
09:40 – 10:00
10:00 – 10:20
10:20 – 10:40
10:40 - 11:00 COFFEE BREAK
11:00 – 11:20
11:20 – 11:40 H. Kusá, P. Růžek Application of Mineral Fertilizer in The Ridge in Potato Cultivation
11:40 – 12:00
12:00 – 12:20





12:20 - 13:30 POSTER SECTION

LOCATION: BUILDING "Q", MENDEL UNIVERSITY IN BRNO

13:30 - 15:00 LUNCH

LOCATION: BUILDING "O" - CANTEEN, MENDEL UNIVERSITY IN BRNO

15:00 – 16:40 MEETINGS IN SESSIONS

16:40 – 17:30 Poster Section

LOCATION: BUILDING "Q", MENDEL UNIVERSITY IN BRNO





Soil Health and Soil and Food Microbiology

LOCATION: BUILDING "Q", LECTURE HALL "Q 02", MENDEL UNIVERSITY IN BRNO

9:00 – 11:20 Meetings in Sessions
Э:00 — 09:20 J. Záhora, I. Tůma
·
DIL RESPIRATION AND MICROBIAL TRANSFORMATION OF NITROGEN
THE ACIDIFIED SOIL OF ALPINE MEADOW
9:20 – 09:40 I. Novosádová et al.
ARBON AND NITROGEN MICROBIAL TRANSFORMATION ALONG A PLUVIOMETRIC
RADIENT IN MEDITERRANEAN REGION
9:40 – 10:00 I. Tůma et al.
FECT OF MICROBIAL ACTIVITY IN THE SOIL OF ALPINE MEADOW
N THE TRANSFORMATION OF CARBON
D:00 – 10:20 COFFEE BREAK
2.20 40.40
D:20 – 10:40 H.M. CHIDANANDAPPA, B.C. DHANANJAYA, R. SIDDARAMAPPA
IPACT OF DIFFERENT ORGANIC MATERIALS ON DTPA - EXTRACTABLE
NC STATUS IN SOILS OF KARNATAKA, INDIA
D:40 – 11:00 B.C. DHANANJAYA ET AL.
ATION EXCHANGE EQUILIBRIUM INVOLVING ALUMINUM IN SOME
CID SOILS OF KARNATAKA, INDIA
l:00 – 11:20 J. Přichystalová, M. Němcová, L. Kalhotka
ECARBOXYLASE ACTIVITY TEST OF THE GENUS ENTEROCOCCUS ISOLATED
OM GOAT MILK AND CHEESE
1:20 – 13:30 Poster Section
LOCATION: BUILDING "Q", MENDEL UNIVERSITY IN BRNO
3:30 — 15:00 LUNCH
LOCATION: BUILDING "O" - CANTEEN, MENDEL UNIVERSITY IN BRNO





POSTER SECTION

Agrochemistry and Plant Nutrition

LOCATION: BUILDING "Q", MENDEL UNIVERSITY IN BRNO

1
2
3 L. Ducsay, L. Varga, P. Varga Nutrition of Oilseed Rape by Nitrogen
4H.G.M. GEWEIFEL IMPROVING SUGAR BEET PRODUCTIVITY IN SANDY SOIL OF EGYPT
5
6
7
8
9
10K. Klima, B. Wiśniowska-Kielian Influence of the Spring Vetch on the Protein Content in the Oat Grain
11





12.
IMPACTS OF LIMING AND FERTILIZATION WITH PHOSPHORUS AND
POTASSIUM ON SOIL STATUS
13
THE EFFECT OF FOLIC APPLICATION OF MG-TITANIT FERTILIZER
ON WINTER WHEAT PHYTOMASS
14 B. Kulig et al.
EFFECT OF HABITAT CONDITIONS AND THE LEVEL OF CROP MANAGEMENT
ON THE YIELD AND SIZE OF VEGETATION INDICES OF SELECTED WINTER RAPE CULTIVARS
15 E. Kunzová, P. Šrek
Effect of Pig Slurry, Farmyard Manure and N, P and K Mineral
FERTILIZERS APPLICATION ON THE YIELD OF SPRING BARLEY
16 J. Mareček et al.
BIO-SLUDGE APPLICATION AND ITS IMPACT ON QUALITY OF MALTING
BARLEY AND SUGAR BEET
17
CONTENT OF SACCHARIDES AND VITAMIN C IN POTATO TUBERS STORED
UNDER CONTROLLED ATMOSPHERE
18R. NEUGSCHWANDTNER, H. P. KAUL
INTERCROPPING OF OATS AND PEA AS AFFECTED BY INTERCROPPING
RATIO AND NITROGEN FERTILIZATION
19 O. NIKOLIC ET AL.
Interaction Between Indicators of Dry Matter Status and
NITROGEN NUTRITION EFFICIENCY IN THE WINTER WHEAT
20.
THE CONTENT OF RISK ELEMENTS AND NUTRIENTS IN ASHES AFTER
BIOMASS COMBUSTION AND THEIR POTENTIAL USE
21
Influence of Sowing Date and Agrotechnical Levels on the Grain
YIELD AND SIZE OF SELECTED VEGETATION INDEXES
OF SELECTED VARIETIES OF WINTER WHEAT
22. <i>F. Orosz</i>
FEEECT OF DIFFERENT NPK TREATMENTS ON SWEET CORN FARS





23L. PEKLOVÁ ET AL
THE YIELD AND QUALITY OF WINTER OILSEED RAPE IN THE SYSTEM
OF NITREOGEN FERTILIZER INJECTION (CULTAN)
24
LEAF ANATOMICAL PLASTICITY OF COFFEE TREES AFFECTED BY ZINC SUPPLY
25
STATUS OF PLANT AVAILABLE PHOSPHORUS AND POTASSIUM (AL-METHOD)
IN THE EASTERN CROATIA
26
ZINC AS A PLANT NUTRITIONAL PROBLEM IN THE EASTERN CROATIA
27
USE OF NITROGEN FERTLIZERS WITH UREASE INHIBITOR IN NUTRITION
OF WINTER RAPE
28
INFLUENCE OF LOCALLY APPLIED NITROGEN FERTILIZERS ON GRAIN YIELD
AND ITS FORMATION OF SPRING BARLEY
29 M. Smatanovā
NEW TYPE OF FERTILISER VLADAP AND VLADAS WITH QUICK RELEASABLE NITROGEN
30В. Stojic, V. Miкос, D. Petosic
FERTILIZATION EFFECTS ON MAIZE AND SOYBEAN YIELDS
31
BORON – INDISPENSABLE MICRO NUTRIENT IN SUNFLOWER (HELIANTHUS ANNUUS L.)
NUTRITION
32
SOIL AS POSSIBLE SOURCE OF WATER POLLUTION
33 L. VARGA ET AL.
EFFECT OF 5—AMINOLEVULINIC ACID AND MINERAL NUTRITION IN
PENTAKEEP FERTILIZER IN USED IRRIGATION WATER ON YIELD
AND QUALITY OF SWEET PEPPER
34
PHOSPHOPUS RALANCE IN LONG-TERM FIELD EXPERIMENTS





<i>35.</i>	Ž. VUKOBRATOVIĆ ET AL.
INFLUENCE OF NITROGEN, PHOSPHORUS AND POTASSIUM FERTION WINTER WHEAT YIELD	LIZATION
<i>36.</i>	Ch. WEDDE ET AL.
SULFUR DYNAMICS IN PADDY SOILS	
<i>37.</i>	V. ZEMANOVÁ ET AL.
ACCUMULATION OF FREE AMINO ACIDS IN THLASPI CAERULESCE	NS
AND ARABIDOPSIS HALLERI AS RESPONSE TO STRESS CADMIUM L	EXPOSURE





Poster Section

Soil Health and Soil and Food Microbiology

LOCATION: BUILDING "Q", MENDEL UNIVERSITY IN BRNO

38	ΞK
IRON TRANSFER BETWEEN COMPONENTS OF THE HEAVY METAL	
POLLUTED ENVIRONMENT	
39B.C. DHANANJAYA ET A	L.
PH AND ELECTROLYTE EFFECTS ON CHARGE CHARACTERISTICS	
IN SELECTED ACID SOILS OF KARNATAKA, INDIA	
40	L.
THE POTENTIAL RESPIRATION - THE EVALUATION OF SOIL ORGANIC	
MATTER IN THE REGION OF UHERSKE HRADISTE	
WATTER IN THE REGION OF CHERSKE THADISTE	
41 M. Kačániová, et A	L.
PRESENCE OF MICROORGANISMS IN SHEEP MILK PRODUCTS	
42 <i>M.</i> Kačániová, et al	L.
PROPOLIS AND ITS ANTIMICROBIAL EFFECTS	
43	N//
IMPACT OF HEAVY METALS ON SOILS AND PLANTS IN MASHAVERA	VI
RIVER LOWLAND, GEORGIA	
44L. KALHOTKA, M. NĚMCOVÁ, J. PŘICHYSTALOV	′Á
IMPORTANT GROUPS OF MICROORGANISMS IN RAW GOAT MILK	
AND FRESH GOAT CHEESES DETERMINED DURING LACTATION	
45.	L.
EFFECT OF ACIDIFICATION ON SOIL MICROBIAL ACTIVITY IN ALPINE MEADOW	
46	Η
CHANGES OF SELECTED SOIL PARAMETERS AFTER APPLICATIONS OF DRIED	
Manure and Sawdust	
47Š. Polákov	lÁ
QUALITY OF AGRICULTURAL SOILS AFTER SEWAGE SLUDGE APPLICATION	7
QUALITI DI AGNICULIONAL SUILS AFTEN SEVVAGE SLUDGE APPLICATION	
48 M. Straková, Ľ. Janků, J. Strak	Ά
APPLICATION OF SOIL AMENDMENTS AND LEAF AREA OF SELECTED SPECIES	

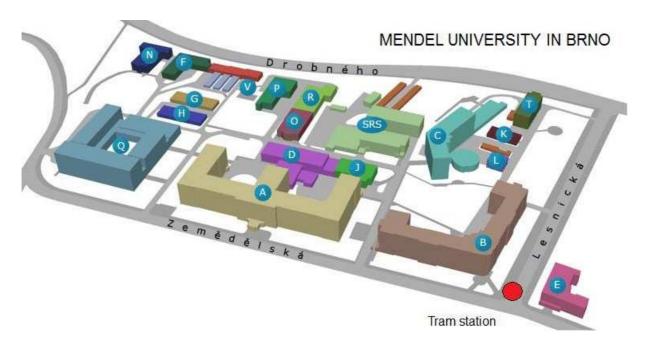




49 SOIL ORGANIC MATTER AND EFFECT OF LONG TERM APPLICATION OF SUGARCANE PLANTING AREA	
SUGARCANE PLANTING AREA	
<i>50. 9</i>	. Vondráčková et al.
THE EFFECT OF LIME APPLICATION ON THE MOBILITY OF CADMIUM, 2	ZINC AND LEAD IN HEAVILY
CONTAMINATED SOILS	
51	
EFFECT OF RHIZOBIUM INOCULATION AND FOLIAR APPLICATION	
OF MINERAL FERTILIZER ON NODULATION IN FIELD PEA (PISUM SATI	vuм L.)







"Q" - BUILDING "Q", MENDEL UNIVERSITY IN BRNO, ZEMĚDĚLSKÁ 1, BRNO 613 00

REGISTRATION OF PARTICIPANTS

OPENING CONFERENCE

PLENARY LECTURES

MEETINGS IN SESSIONS

POSTER SECTION

COFFEE BREAKS

"O" - BUILDING "O", CANTEEN, MENDEL UNIVERSITY IN BRNO, ZEMĚDĚLSKÁ 1, BRNO 613 00 LUNCH





Notes:



