



68th Congress IIRB 20.-23. June 2005 Maastricht (NL)



Programme

- 20th June:** 18:00 h Reception at Town Hall of Maastricht for congress participants and accompanying persons
- 21st June:** 08:30 h Welcome and opening of the congress by F.G.J. Tjink (IIRB President)
- 08:40 h Presentation of the Dutch sugar production chain by J.A. Smid (President of IRS)
- 09:00 h Presidential address
- Session 1: Beet quality** (session organiser: A.W.M. Huijbregts)
- 09:20 h Impact of beet quality on sugar manufacture and technological criteria for further quality improvement
J.M. DE BRUIJN
- 09:40 h Drought-induced changes in technical quality of sugar beet with consideration of genotypic differences
D. BLOCH & C. HOFFMANN
- 10:00 h Coffee break
- 10:30 h Environment and physiological factors influencing autumn sugar beet quality
C. ECHEVARRIA
- 10:50 h Application of rendement factors concept to predict sucrose loss in beet molasses from Mediterranean area
K. FARES, A. BAOUCH, H. HARLING & M. BURBA
- 11:10 h Factors affecting marc content of sugar beet
C. HOFFMANN
- 11:30 h Discussion
- 12:00 h Lunch
- Session 2: Interactive Advisory Systems and Communication techniques** (session organiser: J. Maassen)
- 13:20 h How to get the message to the grower; an overview on the used communication techniques
J. MAASSEN
- 13:40 h International collaboration on Internet – identification of diseases, pests and weeds
M. TITS, B. KÄMMERLING, K. BÜRCKY & J. MAASSEN
- 14:00 h Preferring the Internet for the diffusion of technical information
H. ESCRIOU

14:20 h	Communications for the future – the challenges in the sugar beet industry I. PETTITT & M. MAY
14:40 h	Data management and documentation with the Nordzucker Internet portal for the beet grower C. KIONKA
15:00 h	Invited speaker Dr. C.P. Veerman ¹ (Dutch Minister of Agriculture, Nature and Food Quality)
15:45 h	Discussion
16:00 h	Coffee Break
16:30 h	Poster session + demo of interactive advisory systems
18:00 h	End of day 1
19:00 h	Congress dinner

22nd June:

Session 3: Open session (session organiser: R. Olsson)

08:30 h	Biological bases to improve soil pest control. Results in <i>aubeonymus mariae franciscae</i> J. AYALA
08:50 h	Development and application of a rapid protocol to evaluate the resistance of sugar beet varieties against <i>Cercospora beticola</i> and in vitro assessment of the pathogen resistance to fungicides M. BEAUVOIS, M. JIJAKLI, O. HERMANN, J.-M. MOREAU & J.-P. BUSOGORO
09:10 h	Yield response of sugar beet varieties to foliar diseases under temperate climate conditions – consequences for recommendation E. LADEWIG & A. OSSENKOP
09:30 h	<i>Cercospora beticola</i> : a soil borne pathogen? J.H.M. SCHNEIDER & J. VEREIJSEN
09:50 h	Discussion
10:00 h	Coffee break

Session 3 continued: Open session

10:30 h	3D-Micro-Computer tomography – new possibilities for seed analyses A. WOLFF
10:50 h	New developments in beet harvest cleaning and transport operations J.D.A. WEVERS & T. NORDSTRÖM
11:10 h	Sugar Beet in Europe: An environmentally friendly crop for sustainable plant production systems M. CARIOLLE

¹ Conditional commitment

11:30 h Discussion

Session 1 continued: Beet quality

11:40 h Assessment of internal beet quality by NIRS (Near Infrared Spectroscopy) and FTIR (Fourier Transform Mid Infra Red)
A.W.M. HUIJBREGTS, C. HEIJNEN, B. MOULIN & B. NOÉ

12:00 h Top determination of sugar beets by image processing
O. JANSSENS, V. JAOUEN†, C. HEIJNEN & A.W.M. HUIJBREGTS

12:20 h Discussion

12:30 h Lunch

Session 4: Soil borne pests and diseases (session organiser: M. Richard-Molard)

14:00 h Ingredients for management of rhizoctonia root rot in sugar beet
Y. BAKKER, C.E. WESTERDIJK & J.H.M. SCHNEIDER

14:20 h Hatch-induction with Acetox and subsequent PCR for half quantitative determination of *Heterodera schachtii* in soil tests
F. FÜRSTENFELD

14:40 h Biological properties of the beet necrotic yellow vein virus RNA5-encoded p26 protein
D. GILMER

15:00 h Detection and prediction of *Aphanomyces cochlioides* in field
L. HOVI & M. NIHLGARD

15:20 h Discussion

15:30 h Coffee break

Session 4 continued: Soil borne pests and diseases

16:00 h The impact of maize in crop rotation on root and crown rot (*Rhizoctonia solani*) of sugar beet
S. KLUTH

16:20 h Strategies for controlling sclerotium root rot in fall sown sugar beet crops
J. NAVAS-CORTÈS & J. AYALA

16:40 h Discussion

16:50 h End of day 2

Free evening programme

23rd June:

09:00 h **Field visits and excursions**

Visits to (a) an experimental farm with sugar beet trials, (b) a farm with sugar beet and dairy, about 1 million litre of milk is on-the-farm processed into yoghurt, and (c) a contractor having the complete machinery fleet for arable crops

16:30 h End of congress