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IIRB seminar 2015 *'Resistance management'*

10–11 September 2015

St. Martins Therme and Lodge
Im Seewinkel 1, A – 7132 Frauenkirchen

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Programme

9th September 2015

7:00 pm *Dinner*

10th September 2015

8:00 am FRITZ GATTERMAYER (AGRANA)
Introduction of AGRANA holding

1 Resistance management / Fungicides

Chair LISE NISTRUP JØRGENSEN (Århus Univ., DK)

8:20 am LISE NISTRUP JØRGENSEN (Århus Univ., DK)
How important is fungicide resistance and what do we know to minimize the risk in arable crops

8:50 am GARY SECOR (NDSU, USA)
Cercospora resistance management strategies – lessons from USA

9:15 am MARK VARRELMANN (IfZ, D) / TOBIAS ERVEN (BASF, D)
2014 Cercospora resistance monitoring in EU countries

9:40 am FRIEDRICH KEMPL (ARIC, A), FRANCO CIONI (BETA, I)
Cercospora resistance: latest news and strategies for CLS control in Austria and Italy

10:05 am MELVIN BOLTON (USDA-ARS, USA)
Molecular basis of fungicide resistance in *Cercospora beticola*

10:30 am *Coffee break*

2 Resistance management / Rhizomania

Chair MARK VARRELMANN (IfZ, D) / chairman IIRB Pests & Diseases study group)

11:00 am MARK VARRELMANN (IfZ, D) Introduction

11:30 am THOMAS KRAFT (Syngenta Seeds, S)
Variability and durability of natural BNYVV resistance sources

12:00 pm GINA CAPISTRANO-GOBMANN (CAU Kiel, D)
Identification of Rz2 by direct mapping in a crop wild relative in situ population

12:30 pm CLAUDE BRAGARD (UCL, B)
Variability and microevolution of BNYVV in relationship with its sugar beet host

12:45 pm Country-specific situation of the spread of resistance-breaking isolates

- ◆ MARK STEVENS (BBRO, UK)
- ◆ BRAM HANSE (IRS, NL)
- ◆ CLAUDE BRAGARD (UCL, B)
- ◆ HERBERT EIGNER (ARIC, A)
- ◆ FRANCO CIONI (BETA, I)
- ◆ MELVIN BOLTON (USDA-ARS, USA)

1:15 pm *Lunch* (served in the hotel)

Field excursion

2:30 pm Bus departure

3:00 pm Field & trial visits

- ◆ On the road to future sugar beet genetics
- ◆ Cercospora control
- ◆ Rhizomania and nematode interactions

6:00 pm Wine tasting

7:00 pm Return to hotel

8:00 pm *Dinner*



11th September 2015

3 Resistance management / Insecticides

Chair MARK STEVENS (BBRO, UK, vice-chairman IIRB Pests & Diseases study group)

8:30 am STEPHEN FOSTER (Rothamsted Research, UK)
Insecticide resistance in Peach-potato aphids: the good news and the bad news

9:00 am MARK STEVENS (BBRO, UK)
Practical implications for virus control

9:30 am STEVE ELLIS (ADAS, UK)
Minimizing resistance by reducing pest exposure to insecticides, the perspective from another crop

10:00 am *Coffee break*

4 Resistance management / Herbicides

Chair JENS NYHOLM THOMSEN (NBR, DK) / chairman IIRB Weed Control study group)

10:30 am JENS NYHOLM THOMSEN (NBR, DK)
Introduction

10:35 am PER KUDSK (Århus Univ., DK)
Herbicide resistance in weeds: History, mechanisms and impact on weed control now and in the future

11:00 am STEPHEN MOSS (Rothamsted Research, UK)
Resistance management: how to slow down resistance development in relation to weed ecology and agricultural practices (dose rate, cropping systems, IWM)

11:20 am BENNY DE CAUWER (Univ. Gent, B)
Metamitron resistant *Chenopodium album* in sugar beet: facts, history, reasons and future management

11:40 am MOHAMED KHAN (NDSU, USA)
Strategies to manage resistance in a crop developed to tolerate one mode of action of herbicide and planted continuously over a large area

12:00 pm ROLAND BEFFA (Bayer CropScience, D)
Herbicide Resistance Management Stewardship. The Global Bayer CropScience Model applied to ALS tolerant sugar beet crop

12:20 pm Discussion

12:35 pm Seminar summary & outlook

12:45 pm *Lunch and end of seminar*