Venue
Hotel St. Martins Therme and Lodge
Im Seewinkel 1, A – 7132 Frauenkirchen
Phone: +43 2172-20500
e-mail: safari@stmartins.at
http://www.stmartins.at

IIRB
International Institute for Beet Research IIRB aisbl
Holtenser Landstr. 77, D – 37075 Göttingen
Phone: +49 (0) 551 500 65 84
Fax: +49 (0) 551 500 65 85
e-mail: mail@iirb.org
www.iirb.org

All presentations will be published on the IIRB website (www.iirb.org) after the seminar.

IIRB seminar 2015
'Resistance management'

10–11 September 2015
St. Martins Therme and Lodge
Im Seewinkel 1, A – 7132 Frauenkirchen

Sponsors
We are grateful to the following sponsors of the IIRB Seminar ’Resistance management’:

International Institute for Beet Research
Institut International de Recherches Betteravières
Internationales Institut für Rübenforschung
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 VANDELMANN (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 VANDELMANN (IfZ, D / chairman IIRB Pests & Diseases study group)
11:00 am MARK VANDELMANN (IfZ, D) Introduction
11:30 am THOMAS KRAFT (Syngenta Seeds, S)
Variability and durability of natural BNYVV resistance sources
12:00 pm GINA CAPISTRANO-GOMMANN (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