

# IIRB News 8/2016

In October 2016, IIRB invites to a seminar on the prevention of soil compaction at harvest; you will find information in this newsletter. A review on recent group meetings is also given.

## Study group meetings

### SG Beet Quality & Storage

(14/4/2016, Bergen op Zoom, NL)

Martijn Leijdekkers as the group's new president had invited the group to IRS. Sugar losses during storage and the formation and impact of invert sugar on processing were main topics of the meeting. Surface moisture and wind increase sugar losses at low temperatures, effects which can be reduced by covering clamps with Toptex. Sugar recovery in the factory strongly decreases with increasing invert sugar content. The most suitable beet varieties must thus be selected, and beet injuries at harvest and during cleaning and loading should be avoided. Short storage under good conditions and with frost protection will keep sugar yields high. Further research on the impact of storage conditions on sugar beet quality is needed.

### SG Agricultural Engineering

(29/4/2016, Bonn, D)

The group planned the IIRB seminar on the prevention of soil compaction at harvest. Several of the presentations covered the topic compaction. Results from storage trials in Sweden and Denmark were presented. To avoid storage losses, decision support tools would be very useful to assist sugar beet campaign planning and reduce storage time. Decision support tools could also help harvester drivers to harvest the crop at best conditions.

### SG Weed Control

(24-25/5/2016, Borgeby, S)

The focus of the meeting was on the implementation of ALS resistance in sugar beet in Europe. Trial results of different institutes were presented and resistance management measures discussed. A further topic was crop rotation and its effect on weed control and yields. Integrated weed control methods with a combination of chemical and mechanical control tested

in France might contribute to controlling resistant weeds like *Chenopodium album* or *Atriplex patula*.

In June, AIMCRA celebrated its 50<sup>th</sup> anniversary. B. Märländer congratulated the institute's director R. Morillo Velarde on behalf of IIRB and IfZ.



### SG Plant & Soil

(20-21/6/2016, Göttingen, D)

Next to general agronomic topics the focus of this meeting was on the nutritional status of soils, especially with regard to P supply and fertilisation in or close to the seed furrow. Maintaining a sufficient P supply in the soil is important. Under specific growing conditions clear reactions to P fertilization can be seen even though soil analyses indicate a sufficient supply. The mechanisms need to be further studied.

### IIRB Seminar 'Prevention of soil compaction at harvest – state of the art and new developments'

(28/10/2016, Estrées-Saint-Denis, Compiègne, F)

The 2016 seminar is organised in cooperation with ITB and IRBAB and is linked to the harvester demonstration Betteravenir/Beet Europe taking place 26–27/10/2016. In France, the use of self-propelled harvesters increased from about 10% in 2006 to almost 50% today. This requires an increased awareness of users for the threat of subsoil compaction at critical harvesting periods. Several technical improvements were implemented in harvesters over the last decade. The seminar will present a research review on soil compaction, will inform about new tools to predict and avoid compaction, and will discuss recent technical developments to prevent soil compaction with European harvester and tire manufacturers.

For registration and detailed information on the programme see [www.iirb.org](http://www.iirb.org). The registration deadline is 15/9/2016.

Please register in time as places are limited.

**BETTERAVENIR**  
THE SUGAR BEET EXHIBITION 2016



## IIRB Meetings agenda 2016



AC meeting	23/8/2016, Eltville (D)
SG Pests & Diseases	7–8/9/2016, Landskrona/Holeby (S)
SG Seed Quality & Testing	29–30/9/2016, Einbeck (D)
Betteravenir/Beet Europe	26–27/10/2016, Moyvillers (F)
IIRB seminar 'Prevention of soil compaction at harvest'	28/10/2016, Estrées-St-Denis (F)
SAC meeting	28/10/2016, Estrées-St-Denis (F)
Biennial ASSBT meeting	27/2–3/3/2017, Greenville (USA)
SG Beet Quality & Storage	24–25/4/2017 (F)
SG Weed Control	23–24/5/2017