

## **Agribusiness Sugar Beet –**

an advanced education for graduate students and junior employees of the sugar supply chain

Institute of Sugar Beet Research  
associated institute of the University of Göttingen



### **Block Module**

M. Agr. 0003: Master study program Agriculture/Crop Sciences at the Faculty of Agriculture, University of Göttingen, 6 ECTS

The module consists of lectures, workshop, study, and field trips. The lectures are given by permanent and invited speakers and lecturers of the Institute of Sugar Beet Research.

### **Teaching Team**

Prof. Dr. Anne-Katrin Mahlein<sup>1</sup>, Prof. Dr. Frank Beneke<sup>2</sup>, Dr. Joakim Ekelöf<sup>4</sup>, Dr. Bram Hanse<sup>3</sup>, Prof. Dr. Christa Hoffmann<sup>1</sup>, Dr. Heinz-Josef Koch<sup>1</sup>, Dr. Stefan Paulus<sup>1</sup>, Dr. Christel Roß, Dr. Nicol Stockfisch<sup>1</sup>, Prof. Dr. Mark Varrelmann<sup>1</sup>

<sup>1</sup>IfZ, Germany; <sup>2</sup>University of Göttingen, Germany; <sup>3</sup>IRS, The Netherlands; <sup>4</sup>NBR, Sweden



### **Participants**

- graduate students and junior employees of the sugar supply chain; acceptance requires B.Sc. degree or its equivalent in agriculture

International participants from different countries:

*Austria, Bangladesh, Belgium, China, Denmark, Finland, France, Hungary, India, Lithuania, Netherlands, Poland, Russia, Slovakia, Sweden, Switzerland, Ukraine, and Germany*

## List of Content

- sugar beet production in Europe and sugar market
- history of the sugar beet
- genetics, breeding, varieties, and seed production
- beet morphology, plant development and yield formation
- cultivation including tillage, sowing, spacing, fertilization
- agricultural engineering and soil protection
- diseases, nematodes, pests, and their control
- weeds and their control
- phenotyping and precision agriculture
- parameters of technical quality and quantity
- beet storage and clamp covering system
- processing and sugar refining, co-products of sugar manufacture
- bioethanol and biogas production
- sustainable development in sugar beet cultivation
- workshop and invited talks on up-to-date topics

## Tuition fee

There is a tuition fee for external participants (further information on request).

## Information

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