

Czech Technological Platform for Agriculture

in cooperation with

Institute of Animal Science Prague, the Centre of Precise Agriculture of ČZU Prague,
the Research Institute of Crop Farming, NutriVet, s.r.o. and Linagri s.r.o.

would like to invite you for the workshop

Elements of Precise Agriculture in Livestock Breeding

workshop, to be held on **12. 8. 2019** from 10:00 to about 15:00 o'clock
in the conference room of the Institute of Animal Science (VUŽV, v.v.i.)



The workshop is organized with support of the Czech Ministry of Agriculture
at the Czech Technological Platform for Agriculture

Program:

- Attendance check at 9:30, opening at 10:00, closing at about 15:00
- **R. Loučka: By precise farming to better results in nutrition**
Information on the status of research of precise farming in the Czech Republic, specifically on the results of dry matter measurement and other indicators of nutritional value of fresh fodder and silages with the help of NIR spectrometric devices and other sensors offering a more detailed overview of the vegetation status.
- **M. Kroulík: Methods of precise agriculture in fodder plant and fodder industry**
Presentation of the Centre of Precise Agriculture of the Czech Agriculture University.
- **prof. Chuncheng Xu: Precise farming in People's Republic of China**
Research and development of cost-efficient technologies allowing the use and storage of new protein fodders and total mix ratios for feeding of livestock, based on the technology of precise livestock farming (PLF). In China focus mainly on preparing and influencing fermentation of grass, food and agricultural secondary products, they work with lactic acid fermentation bacteria and yeast to improve the fermentation quality and other values, with the help of microbial substances and bioactive substances. They have also used white rot fungi which decompose the structure of lignin and improve the use of secondary products for ruminant feeding.
- **L. Štůrala: Common sense in compliance with cattle nutrition theories**
Practical impacts of efficient use of nutrients of protein fodders and of correct understanding of cattle nutrition principles. Transmission of nutrition knowledge to practice.
- **F. Jančík: Increasing the quality of maize chops with the help of processing technology**
Comparison of classical and new technologies, presentation of results of fodder structure measurement and of balance experiments on nutrient digestibility.
- **R. Loučka: Presentation of results of some other VÚŽV experiment**
Information on the results of experiments with different silage preservatives, application of different rumen boluses, testing of selected additives in supplementary mix fodders for dairy cows, measurement of rumen pH and other related indicators in order to reduce the risk of acidosis.
- **V. Jambor: Selection of maize hybrids for Czech conditions**
Results of comparative experiments. Evaluation principles.

OTHER INFORMATION:

- Free insertion. Free refreshment and lunch for attendants registered in time.
- Interpreting provided. An anthology of the workshop papers will be published.
- After the end, the transfer to Brno will be organized for the 18th ISFC.