Press Release, 23. 11. 2026

Current Agricultural Research Findings Presented at the International Conference in Brno

Two days of expert lectures, research presentations and the exchange of experience among specialists from the Czech Republic and abroad. This was the international conference "Current Advances in Crop Production, Plant Breeding, Plant Protection and Product Processing", held on 19–20 November 2026 at the Hotel Avanti in Brno.

"The main purpose of this conference is to provide a platform for experts to meet, share research findings and inspire one another. Agriculture is currently facing a number of new challenges, and bringing together research institutions, specialists and agricultural practitioners is one of the ways to find answers to these challenges. I greatly appreciate that we have managed to maintain the tradition of this professional gathering and continue to address topics that are genuinely important for the further development of agriculture," said RNDr. Jan Nedělník, Ph.D., Director of the organising institution and Chair of the Conference Scientific Committee.

The opening session also featured contributions from Ing. Jan Adamec, Head of the NAZV Department at the Department of Research and Education of the Ministry of Agriculture of the Czech Republic, and Ing. Ivo Kasal, Vice-President of the Czech Agrarian Chamber.

The programme was divided into thematic sessions focusing on plant breeding, plant health, crop production technologies, ecology, product quality and processing. The individual presentations covered a wide range of research topics – from the genetic characterisation and breeding of agricultural crops to new approaches to plant protection, as well as opportunities to improve soil properties and make more efficient use of natural resources.

Considerable attention was also given to topics addressing changing climatic conditions and the need for more sustainable crop production practices. The research findings presented included, for example, the use of plant extracts to protect against fungal pathogens, the effects of physical seed treatment on seed emergence and early plant growth, and the potential applications of phytolaser seed treatment. Other interesting results concerned soil nitrogen management in white clover cultivation and the effects of bentonite on the physical properties of soil.

Researchers from the organising institutions also presented their findings. Research carried out in Troubsko included contributions on the use of cytokinin, biological nitrogen fixation in red clover and the selection of plants resistant to viral diseases. These studies demonstrate the importance of linking research with the testing of new approaches and the development of solutions that can be applied in agricultural practice.

The conference also included a poster session, providing an opportunity for more detailed presentation of research findings and direct discussion between authors and participants. The scientific contributions are also available in an online poster gallery, where interested readers can explore individual research topics even after the conference has ended.

The poster gallery is available at the following link: https://www.zvt-konference.cz/blog

We would like to thank all speakers, poster authors, cooperating institutions and participants for their active involvement and for sharing their professional knowledge and experience. Our thanks also go to everyone who contributed to the preparation and organisation of the conference.

We look forward to welcoming you again at the next edition of the conference.

The conference proceedings are available for download here:
https://www.vupt.cz/storage/app/media/Avanti/Sbornik_2025.pdf

Contact person: Ing. Jakub Prudil, prudil@vupt.cz, 547 138 822

The Conference proceedings:

Poster gallery:








3. nádobový exp. – hodnocené parametry

