

# AGROECOLOGY RESEARCH INSTITUTE

- Agricultural use and increase of production potential of the heavy and extremely heavy soils with respect to the rational using of natural and anthropogenic sources and regional economical, ecological and social aspects
- Increase of the quality of the agro-environment and agricultural production in the process of ecologization of agricultural use of farmland
- Risk factors in connection with predicted climate change and effect of ecological load on the plant production and possibilities for elimination of these risks and effects
- Research of protective soil tillage technologies and soil amendments for preserving soil fertility, the optimalization of soil physio-chemical properties and mitigation of climate change on plant production
- Development of special crop production (thermophilic alternative crops) with emphasis on environment protection and application of non-waste technologies
- Cropping technologies for newly introduced or re-introduced energy and low tonnage crops in relation to phytomass quality (soil treatment, nutrition, plant protection, biogas etc.)

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