
Agroresearch Rapotin, Ltd.

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Company Introduction

Agroresearch Rapotin, Ltd. is a subsidiary R&D company of Research Institute for Cattle Breeding, Ltd. company founded in 2004. Since its foundation the company has been receiving institutional support within the institutional research plan of the Ministry of Education Youth and Sports MSM2678846201 „Exercise of European model of multifunctional agriculture in less favoured areas (LFA) of the Czech Republic”.

Currently the R&D stuff (involving 40 people including team leaders, researchers and technicians) works at different projects. These include joint cooperation with many farmers, food producers, universities and research institutions and are focused to solve different tasks and issues of the agriculture.

With the mother company - Research Institute for Cattle Breeding, Ltd. with more than 60 years of experience in breeding research and tradition - Agroresearch Rapotin Ltd. is sharing all facilities, the technical and the administrative background.

Acreage of cultivated grounds:

- arable land	400 ha
- meadows and pastures	650 ha
Total area:	1050 ha

Company Introduction

From the commercial point of view, we are particularly active in:

- analytical and microbiological tests (we do provide complex and reliable services for water, milk, soil, feed, biomass, meat and atmosphere analyses)
- services for other production companies in agriculture (e.g. food control and analyses)
- advisory and consultation activities in agriculture (e.g. special analytical verifications)
- safe and animal-comfortable butchery
- various kinds of services for farmers both in plant and livestock production
- own agriculture production (plants, livestock)



Our vision

We look forward to cooperate with those commercial and academic partners, whose interest and focus is in:

- evaluation of quality of permanent grasslands for multifunctional agriculture
- determination of nutritive feeds value for ruminants
- nutrition physiology of livestock mainly in branch of lactational dairycows
- cattle breeding
- slaughtering
- milk and meat production



Project partner search:

- Priority research area:
 - Agriculture (grasslands, suckler cows, feeds quality, soil quality, organic farming...) and Environment
 - Research field:
 - Basic or Applied research
 - Main objectives:
 - Determination of nutritive feeds value for ruminants - evaluation of the organic matter digestibility of feeds by means of in situ method, estimation of the organic matter digestibility of feeds by the in vitro method Tilley and Terry, examination of rumen degradability of food proteins, executing of “gas test” – detection of quantity or constitution of the gases that rise by the feed samples cultivation in rumen fluid in special apparatus, balance trials on cattle (heifers)
 - Evaluation of quality of permanent grasslands for multifunctional agriculture, necessary arrangements as a base for consistent animal nutrition
 - Study of environmental aspects of acceptable agriculture systems of mountainous region in the Czech Republic - evaluation of chemical and physical soil parameters with recommendation for agricultural management farming in the mountain foothill areas, assessment of the soil nutrient, contaminants and the risk elements of soil degradation
 - Contact person:
 - Hana Karabcová - hana.karabcova@vuchs.cz
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Project partner search:

- Priority research area:
 - Interdisciplinary – Environment, Health
 - Research field:
 - Basic or Applied research
 - Main objectives:
 - study of kinetics of Fusarium mycotoxins and isoflavones in dairy cows, determination of the effect of these dietary compounds on nutrient turnover, rumen parameters, milk quality and health of animals
 - study of relationship between body condition score and reproductive and productive performance of dairy cows using modern methods and principles of precise farming
 - study of questions in nutrition physiology of lactating dairy cows with reference to dietary protein and energy evaluation
 - using ruminally cannulated cows for in sacco methods, as donors of rumen fluid for in vitro studies and for studying of parameters of rumen milieu (continuous, wireless measurement of ruminal redox-potential, pH and NH₃ in vivo)
 - evaluation of feedstuffs according to INRA (2007) and NRC (2001) system
 - evaluation of maize hybrids with a potential to prepare micro-silages
 - carrying out physiological experiments on ruminally cannulated dairy cows in accredited stables
 - Contact person:
 - Dr. Ludmila Křížová – ludmila.krizova@vuchs.cz
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Do you want to cooperate with us?

Do you want to know more?

Please, contact us at:

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