



COURSE REGISTRATION FORM

Teacher	Dalibor Tomić
University	University of Kragujevac, Faculty of Agronomy in Čačak
Course	Production qualitative forage perennial legumes
Target	Agricultural Extension Service
Type	online
Duration	2 days - 16 hours

Description	<p>In aim of intensifying of livestock production, the solution should be sought in the cultivation of high-yielding forage crop of good quality. Together with efforts to reduce energy consumption, environmental pollution and to intensify sustainable agriculture systems, to consider the possibility of increasing the area under forage legumes. As nitrogen fixators, these plants are minimal fertilized with nitrogen fertilizers, whose remains in the soil are easily leaching, causing groundwater pollution. Perennial forage legumes give high yields of quality forage with high protein content. Thanks to this, to a large extent they can replace expensive concentrated animal feeds. The purpose of this course is to Agricultural advisors acquire new knowledge in the field of cultivation of perennial legume plants and the preparation of high-quality roughage feed. This should contribute to an increase in the area under these crops, which will have a direct impact on improving the system of sustainable agricultural production.</p>
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Contents	<p>The course will include recent research, connected to the general principles of cultivation and utilization of perennial forage legumes (plants from family <i>Fabaceae</i>). The course participants will expand the knowledge of the importance of these plants as forage base in livestock production, about the way and time of application of appropriate agricultural technology and about the way and time of use of crops, in order the best quality of forage be achieved. Within a course, activities will be undertaken through the following course units: Introduction, perennial forage legumes, alfalfa, clovers, birdsfoot trefoil, other perennial legumes, conservation and storing of legume plants.</p>
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Objectives	<ol style="list-style-type: none">1. Gaining insight into the participants about the importance of growing perennial forage legumes in terms of increasing the yield per unit area, the quality of yield and environmental protection;2. Acquisition of knowledge of the participants on ways to improve cultivation of these crops;3. Contribution to the development of competencies to use <i>online</i> courses.
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Activities

The first activity will be to identify existing knowledge and practice of agricultural extension agents. Then, participants will have the task to learn about with the basic facts of the specific thematic areas. Within each teaching unit will be given a book with the basic knowledge that would otherwise be found in books. Then will provide scientific works with the latest research in the given field in the form of a document. Based on scientific work, participants will work lessons which will provide new knowledge. At the end will be given to photos, videos and other materials on new technologies in the form of a folder. Afterwards, participants will be active in solving the questionnaires, tasks and problems that are made up on the basis of the facts available regarding the thematic units. Positively resolved tasks will lead to the following topics and scenario will be repeated. Activities will take place according to the above teaching units. After some broader thematic areas testing knowledge will be carried out using the online tests.

Materials

1. Computer equipment,
2. The possibility of using the Internet.

Literature

Đukić D., Stevović I., Janjić V. (2009): *Proizvodnja stočne hrane na oranicama i travnjacima*. Agronomski fakultet u Čačku, pp. 591.
Đukić D. (2002): *Biljke za proizvodnju stočne hrane*. Poljoprivredni fakultet u Novom Sadu, pp. 407.
Đukić D., Stevović V. (2012): *Oplemenjivanje krmnih biljaka i proizvodnja stočne hrane na oranicama*, pp. 330.