



AgriTech Solutions: Innovating VET for Sustainable Agriculture
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AgriTech Solutions: Innovative VET for Sustainable Agriculture
2024-1-RS01-KA210-VET-000244168

REPORT

For the implementation of activities for the needs of the project

Overview of existing qualifications

Overview of the representation of sustainable agricultural practices, precision agriculture, organic agriculture, renewable energy sources and the use of technology in agriculture in the curricula within the qualification.

Teacher: Jovo Katto

Place: Sombor

Qualification: Agricultural Technician

Short description

The teaching and learning plan was developed in 2024 based on the qualification standard.

The agricultural technician operationally plans and implements the application of agrotechnical measures and procedures in crop and livestock production, in accordance with the prescribed norms, standards and guidelines in the field of traditional, conventional, integral and organic agricultural production and food safety, while respecting occupational health and safety measures.

Competencies

Operational planning and organization of resources and technological process in crop and livestock production;

Application of measures and procedures in crop production;

Application of measures and procedures in livestock production;

Application of measures and procedures in sustainable agriculture systems;

Performing administrative and commercial work in the production and sale of agricultural products and services. Based on the review of vocational programs

subjects, it can be concluded that the technologies of sustainable agricultural practices, precision agriculture, organic agriculture, renewable energy sources and the use of modern technologies in agriculture are represented to a certain extent.

Corrections to the program are needed.



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Proposal for improving the existing qualification in terms of the representation of sustainable agricultural practices, precision agriculture, organic agriculture, renewable energy sources and the use of technology in agriculture in the curricula within the qualification.

It is necessary to improve the existing qualification in the following subjects:

Pedology and agrochemistry

In the Soil module – to increase the presence of precision agriculture in soil sampling.

In the Plant Nutrition and Fertilization module – to increase the prevalence of sustainable agricultural practices, precision agriculture, and organic production.

Mechanization in agriculture

To increase the prevalence of precision agriculture when using agricultural mechanization in agricultural production.

Agriculture and gardening

To increase the prevalence of sustainable agricultural practices, precision agriculture and renewable energy sources in agriculture and horticulture.

Fruit growing and viticulture

To increase the prevalence of sustainable agricultural practices, precision agriculture and renewable energy sources in fruit growing.

Livestock farming

To increase the prevalence of precision agriculture and renewable energy sources in livestock farming.

Professional practice

To increase the prevalence of sustainable agricultural practices and precision agriculture.

Organic production in gardening – elective subject

Organic production should be more represented in the mandatory vocational subjects of crop and livestock production as a separate module.

Renewable Energy Sources – Elective Course

They should be more represented in mandatory vocational subjects, as modules or as outcomes.

Artificial Intelligence and Robotics – Elective Course

It should be informatively represented in professional subjects as an outcome.

In ____ Sombor ____ Teacher

Date ____ 13.07, 2025. ____ year

____ Jovo Cato ____



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