



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: Florist-gardener

Short description

The teaching and learning plan was developed in 2021 based on the qualification standard.

A florist-gardener prepares soil and facilities for the production of planting material, produces and sells horticultural plants (flowers, vegetables, medicinal and woody ornamental plants), as well as implements hygienic, protective and environmental measures in plant production, while respecting quality standards, professional guidelines and work orders.

He is trained for:

basic soil fertilization and plant watering;

sowing seeds in beds and containers, as well as planting seedlings and planting material;

application of measures for the care of horticultural plants;

making bouquets and other flower arrangements according to customer requirements.

Competencies

Preparation of soil and facilities for the production of planting material from horticultural plants;

Production of flowers, vegetables, medicinal and woody ornamental plants;

Implementation of hygienic, protective, environmental measures, as well as occupational health and safety measures in plant production;

Preparation and sale of flowers, vegetables, medicinal and woody ornamental plants;

Key competencies, in particular:

entrepreneurship and entrepreneurial competence;



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digital competence;
 responsible attitude towards health;
 responsible attitude towards the environment.

Based on the review of the programs in vocational subjects, it can be concluded that, to a certain extent, the technologies of sustainable agricultural practices, precision agriculture, organic agriculture, renewable energy sources and the use of modern technologies in agriculture are represented. It is necessary to carry out program corrections.

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 upgrade the existing qualification in the following subjects:

Fundamentals of crop production – to increase the prevalence of sustainable agricultural practices and precision agriculture.

Plant protection – to increase the prevalence of sustainable agricultural practices and precision agriculture.

Agricultural machinery – to increase the prevalence of precision agriculture in the use of agricultural machinery.

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

Floriculture – to increase the prevalence of sustainable agricultural practices and precision agriculture.

Establishment and maintenance of green areas – to increase the prevalence of sustainable agricultural practices and precision agriculture.

Medicinal plants – to increase the prevalence of sustainable agricultural practices and precision agriculture.

Professional practice – to increase the prevalence of sustainable agricultural practices, precision agriculture and renewable energy sources.

Organic production in gardening – elective course.

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

In Sombor

Teacher

Date 13.07, 2025. year

Jovo Cato



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