



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

REPORT

From the implementation of an activity for the needs of the project

Review of existing qualifications

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

Teacher Sonja Slavkovic, Efremcho Nikolov

Place Skopje

Qualification: Agricultural technician for traditional and organic production

Short description

The agricultural technician for traditional and organic production plans, organizes and coordinates work in plant and animal production and implements basic procedures for processing primary products. When performing work operations in agricultural production, he uses appropriate mechanization, equipment and tools. The agricultural technician for traditional and organic production ensures conditions in agricultural production. He applies appropriate and relevant technologies in the field of agricultural, horticultural, fruit-growing, viticultural and livestock production. He implements procedures for basic processing, finishing, packaging and storage of

products of plant and animal origin in an environmentally sustainable manner. Participates in the procurement and marketing of products. Applies standards and norms of traditional, organic, conventional and integral production and implements procedures and measures for environmental protection, occupational safety and health, as well as measures for workplace protection, respecting quality standards in his work. Communicates with colleagues, subordinates, superiors and clients in an ethical and professional manner in accordance with the principles of gender, racial, national, cultural, religious and

other equality. Conducts marketing activities, independently and as a member of the team.



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Follows trends, achievements, new technologies (including ICT) and their application in work and production processes, while continuously professionally

This

qualification is relevant at the regional level, as it is based on a regionally adopted occupational standard, developed in cooperation with regional VET agencies.

Based on a review of the curricula of vocational 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. In this qualification, particular emphasis is placed on traditional and organic production.

This qualification is one of the newer qualifications and only the programs have been made until the second year which have been analyzed.

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 of the qualification

Proposals 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 of the qualification are:

- To provide practical examples of the use of instruments in agriculture
- To also review aeroponics as a new production technology
- To develop more types of organic fertilizers and their use in organic production
- To provide practical programs and examples for integrated protection in agriculture
- All areas should be processed through all modular units, because agricultural mechanization is part of all production technologies in agriculture
- To provide practical examples of the impact of traditional production on the environment
- To provide practical programs for applying the methods in traditional production
- To provide practical programs for applying the measures in traditional production
- To provide practical programs and examples for sustainable development in agriculture
- Develop more environmental protection measures



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In Skopje

Teachers

Date 05/31/2025

Sonja Slavkovic, Efremcho Nikolov



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