



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 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.

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Place Skopje

Qualification: Agromanagement Technician

Short description

This qualification provides the student with the knowledge, skills and competencies to

- planning, organizing and controlling operations for the application of basic techniques in farm work

- preparing a production plan - setting up a farm

- determining the size and structure of the farmyard and production area - determining the necessary mechanization, equipment and devices - implementing the necessary

- agrotechnical and zootechnical measures on the farm - purchasing raw materials and working tools -

- determining the time schedule of activities and the required number of farm

- workers - controlling the quality of work on the farm - recording production and proper use of machinery, equipment and tools at the workplace - planning,

- organizing and controlling operations for the turnover of agricultural products

- products -

- determining the market situation - planning the

- production of agricultural products and processing - preparing a plan for the placement of

- agricultural products and processing - establishing a sales and cost price - selecting appropriate

- packaging - organizing distribution



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- development of a plan for promotion and sales improvement
- organizing post-sales activities
- controlling the quality of work, recording turnover
- use of machines, equipment and tools at the workplace
- health and environmental protection
- application of the principles of good agricultural practice, organic farming production and other standards

Based on a review of the curricula for 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. This qualification has been prepared according to the conditions at the time of its preparation in 2019. At this time, most of the specific areas of interest to the project have not yet reached the current technological development. This qualification places the main emphasis on farm management and marketing of agricultural products.

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 the 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
- In this modular unit Fundamentals of Crop Production, all 5 areas can be represented, with special emphasis on the application of each of the areas.
- To provide practical programs for the application of agrotechnical and other measures in agricultural production



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- To provide practical programs for the application of agrotechnical and other measures in horticultural and floricultural production
- To provide practical programs for the application of agrotechnical and other measures in fruit processing
- To provide practical programs for the application of agrotechnical and other measures in viticultural production
- In this modular unit Methods of breeding domestic animals and other zootechnical measures, more/all 5 areas can be represented
- To provide practical experiences in applying the principles and measures for organic livestock production
- In this modular unit Cattle Breeding, more/all 5 areas can be represented, with special emphasis on the application of each of the areas
- In this modular unit Sheep and goat farming can be represented more/all 5 areas, with special emphasis on the application of each area
- In this modular unit, Cunicularism can be represented more/all 5 areas, with special emphasis on the application of each area
- In this modular unit Pig Farming, more/all 5 areas can be represented, with special emphasis on the application of each of the areas
- In this modular unit Poultry Production, more/all 5 areas can be represented, with special emphasis on the application of each of the areas
- In this modular unit Fisheries, more/all 5 areas can be represented, with special emphasis on the application of each of the areas
- In this modular unit Beekeeping, more/all 5 areas may be represented, with special emphasis on the application of each of the areas

In Skopje

Teachers

Date 05/31/2025

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