



Protection of grapes from powdery mildew and resistance of some cultivars against the pathogen

(Resource ID: 308)

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This teaching resource is allocated to following University:

UPHZ - University of Peja "Haxhi Zeka"

Institution:

University Haxhi Zeka

<http://www.sustainicum.at/en/modules/view/308.Protection-of-grapes-from-powdery-mildew-and-resistance-of-some-cultivars-against-the-pathogen>



Group work



5 to 10 students



**Up to 3 lecture
units**



**Internet
connection
necessary**



English, Shqip

The main purpose of this project is to evaluate the resistance of the vines cultivars against the pathogen of powdery mildew (*Uncinula necator*) and also to prove the effect of some actual fungicides against this disease. The study is done in the grapes cultivars Frankovka, Hamburg and Thanec during 2014 in the commune of Deçan. For more sustainable results and also to have a better experience in the protection of vines against the *uncinula necator*, it is worthy to continue the observation for a couple of more years. Therefore the subject of this project will be its continuity. Students will look closely and will experiment with vine cultivars and will be

prepared for the labour market.

The students will learn from the winegrowers that the powdery mildew might decrease the final production by more than 50% and the purpose of this observation is to evaluate the stability of the grape cultivars against the pathogen of powdery mildew and to prove the effect of some fungicides against it. For more trustworthy results, it is better to make the same observation in the course of one to two years, to raise the awareness of the farmers for the efficient protection of vines, and the students will be prepared for similar activities in the future. At least 10 students will be involved in this observation (to provide the right assistance in the course of the entire vegetation to the farmers: by showing them the right time, the right fungicides , to make the right evaluation of the disease and elaboration of the results with the help of the professor).

Protection of grapes from powdery mildew and resistance of some cultivars against the pathogen particularly in big farms means sustainability and some of the students will be hired from these farms.

Teaching Tools & Methods



Excursion

Integration of Social Stakeholders

The University Haxhi Zeka in Peja, more precisely the Agro-Business Faculty aim to offer to the students knowledge from the practical work. Visits in the farms will enable the students to become familiar with with local products. The farmers will collaborate closely with the students in activities for the teaching material by organizing workshops and cooperating with students in practical work.

Strength

- methods of how to protect the vine grapes
- cooperation of students with farmers.

Weakness

- it is normal that every producer has his own secrets and therefore it is important that there is trust and cooperation between students and farmers.

- Information should not be leaked outside the farm i.e. any kind of production recipes or defect that might negatively effect the growing of the vine grapes. Everything needs to be discussed with the farmers and faculty representatives.

Learning Outcomes

Students will learn the techniques used to protect the grapes from powdery mildew and will be more prepared for the future.

Students will learn how to implement the lessons for the future and will be prepared for it.

Relevance for Sustainability

- being aware of the importance of vine grapes as food and for various alcoholic drinks

- it is worth mentioning that a qualitative product will offer a qualitative business.

In the near future when the students will finish their studies will easily face such problems and activities and will able to create a sustainable business.

Related Teaching Resources

Basic knowledge for the students that participate in these activities.

Preparation Efforts

Medium

Preparation Efforts Description

– teaching preparation 3-5 hours including the travel time to the field work. Is not necessary for the lecturer to apply for funds because the faculty will support this activity. If there are new and unexpected findings these will presented to the students and stakeholders.

Access

Free

Assessment

None

Credit/Certification Description

None

Sources and Links

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