

How I implement IPM



My farm

PEDO-CLIMATIC CONTEXT

Quaternary and Pleistocene parent material, neutral pH 6.8

Climate conditions: mean annual precipitation 750 mm and mean annual temperature 20.6oC

MAIN PESTS

Weeds Botrytis (Black rot)

Eudemida

Pseudococcus

Thrips

Powdery mildews

AGRONOMICAL CONTEXT

Grapevine varieties: Crimson, Thompson

Utilised agricultural land: 5.5 ha

Field preparation: No rotation

Use of conventional mist blowers

OBJECTIVES AND MOTIVATIONS OF THE FARMER

Limit the use of pesticides to enhance sustainability.

SOCIO-ENVIRONMENTAL CONTEXT

Seasonal workforce Vineyards in PDO 100% of vineyard can be mechanised





Spiridon Karahalios Korinthos Greece









Alternative solutions

- Effective management practices, including pruning, weed control, and optimal nitrogen Agronomical fertilization, are essential for maximizing yields and ensuring crop health.
- Use of a resistant cultivar for the Crimson variety to deal with botrytis. Genetics



Key measures

Good airflow and aeration between the rows and providing adequate light to the crop

Keep relative humidity in low levels based on optimal irrigation schedule.

Management practices, such as pruning, weed control and optimum levels of N fertilisation.

Use of resistant varieties



My results



To improve

Low risk PPPs

To improve

Use of conservation biological control [landscaping]

Establishment of grass cover or multi-annual crops Equipment usage time Real gross product with self-

Key conclusions

18 spraying applications are proved to be very expensive for the farmers

Plant protection products: affect the environment negatively due to chemical application

The consumers add pressure to the farmers, while the government does not support the transition to reduce the use of chemicals products.

The pests are becoming more and more resistant to the chemical compounds.

A European network of demonstration farms promoting low pesticide use and economically efficient management strategies

Our feedback

My dedication to continuous learning and my commitment to integrating IPM principles, particularly for cover crops, exemplify my motivation for sustainable agriculture

Spiridon Karahalios (Greece)

"I am a conventional producer of table grapes, following traditional methods, and I have proudly contributed to the IPMWORKS initiative of the Greek Hub since 2021. My dedication to continuous learning and my commitment to integrating IPM principles, particularly for cover crops, exemplify my motivation for sustainable agriculture."

"Taking into account the insightful feedback from both the farmer and fellow members of the hub, I will now feature dedicated demonstrations and presentations in the timeline for demo events within the Greek Hub. This collaborative approach ensures that the needs and interests of all participants are met."









Kalliopi Kounani (Greece)

