



# WiForWine<sup>®</sup>

Value from information

Vineyard advanced management



## Scenario

# The future of viticulture

The future of viticulture is the use of data for a smart management of vineyard. Miniaturization of wireless sensors and web platform interface of WiForWine® allows farms to have a comprehensive control over their activities, monitoring climate and phytosanitary risks and saving of treatments, losses and human resources acting only when and where is necessary.

EU Directive 128/2009 on the sustainable use of agricultural chemicals requires farmers to adopt integrated pest management criteria and scientifically validated methods and techniques to

reduce the use of chemical agents. Nowadays, ICT technologies, sensor networks, and cloud technologies allow accurate control of environmental and micro-environmental conditions of growing process: you can take control of your culture, climate situations and pest risk via smartphone, tablet or desktop PC, The integration of micro-climatic data with phenological data allows optimization in the use of plant protection treatments resulting in improved quality and quantity of production and reducing environmental impact.





## The product

# What is it

WiForWine® is an advanced decision support system for the vineyard management. Through the monitoring of the parameters touching weather, land and plant, WiForWine® provides information that allow to reduce the use of pesticides, to increase the quality and quantity of the harvest, to improve the management of water consumption and to optimize the general management of work processes.

## Features



Possibility of setting SMS/e-mail alarms



Data visualization through intuitive diagrams



Forecast models of diseases and risky situations



Management of field data and logbook



Historical data storage and possibility to export data in tabular form

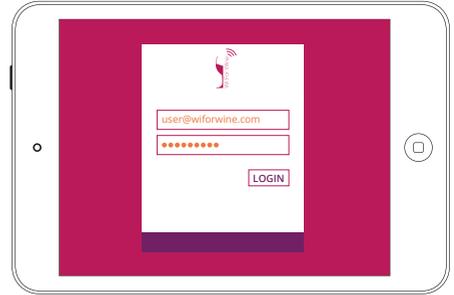


Possibility to create ad hoc customizations

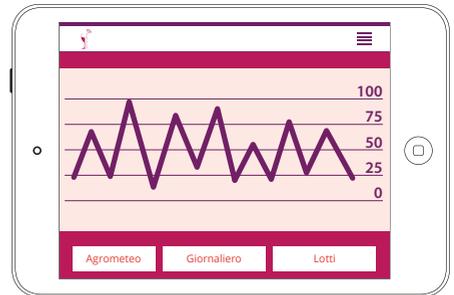
## The product

# What does it do

Through a weather station installed on the field and the placement of detectors that measure environmental parameters in real time, WiForWine® calculates data and gives immediately to the consumer, on his PC, Smartphone or Tablet, the information needed for the analysis of any possible risk situation and for the vineyard management.



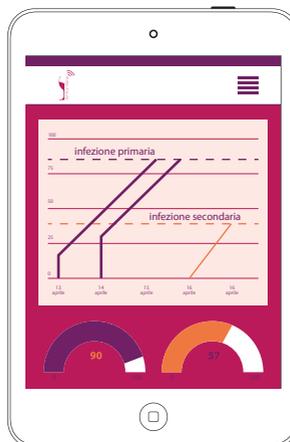
Log in with any device connected to the Internet (PC, Tablet, Smartphone).



User friendly interface and data visualization.



Alarms on customised risk thresholds via SMS / email to users or user groups.



Bio-climatic and phytosanitary risk indexes elaboration for each lot and variety.



Import and management of crop data (phenologies, pathologies, irrigation, treatments...)



## The product Benefits

Rationalization of pest management and herbicides, pesticides and fungicides saving. Irrigation and fertilizers optimization and savings in labor costs and rising labor efficiency due to remote monitoring e control.

Guidance to the farmer about the optimal time for harvesting and

improvement in the average grape harvest quality.

In addition to reducing costs, WiForWine® generates a considerable reduction in environmental impact due to the reduction and rationalization of operations.



Qualitative and quantitative growth



Reduce pesticide use and saving water



Vineyard management optimization



Reduction of the environmental impact



PRIMO PRINCIPIO

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