



Our objectives

GrapeDSS provides concrete support in:

- managing efficiently grapevine varieties needs
- identify and localize well in advance set of problems regarding the olive grove so as to intervene promptly
- support the decisions of technicians and farmers by integrating data from remote sensing, crop scouting and forecast models



APPOSITAMENTE
PENSATO
PER VITICOLTORI

Our Solution

GrapeDSS helps technicians and vine growers make the best decisions: it integrates data from remote sensing, crop scouting, and forecast models in order to create intuitive maps and charts that allow to find simple solutions for complex problems.

GrapeDSS is a set of specific features, enriching Agricolus platform, for vineyard management. It is specifically addressed to vine growers, the result of great experience in the wine sector.

GrapeDSS helps to apply the best defence and management strategies for the vineyard in order to increase, day after day, quality and quantity of production.

WHY CHOOSE GRAPE DSS

- ✓ Improve quality and quantity of grapes
- ✓ Reduce management costs of vineyard
- ✓ Reduce environmental impact of vineyard management
- ✓ Monitor vineyard, even remotely
- ✓ Prevent spread of diseases in vineyard
- ✓ Organize successfully farm activities
- ✓ Carry out crop operations at the right time by using the right quantity of products in specific areas

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FEATURES



Powered by

PHENOLOGY PREDICTION

GrapeDSS estimates grapevine's phenological stage according to weather data and other factors

RIPENESS PREDICTION

GrapeDSS estimates grape ripeness level according to weather data and other factors

PESTS PREDICTION FOR SPECIFIC DISEASES

Grape's phytopathy models integrated in GrapeDSS estimate the probability the most widespread diseases occur according to weather data and other factors

WATER NEEDS EVALUATION

GrapeDSS estimates water needs of the vineyard during the crop rotation, providing constantly updated quantitative information

PHYTOSANITARY MONITORING SUPPORT

GrapeDSS supports on field data collection for monitoring specific grapevine diseases

GRAPEDSS ENRICHES THE FEATURES ALREADY EXISTING IN AGRICOLUS PLATFORM, MAKING THEM MORE EFFECTIVE FOR THE SPECIFIC NEEDS OF THE VINEYARD:

• GEOSPATIAL MANAGEMENT OF FIELDS

GrapeDSS supports decisions regarding not only a single field, but also a single row

• CROP OPERATIONS

GrapeDSS registers the typical crop operations of the vineyard

• PHENOLOGICAL STAGES

GrapeDSS identifies and reports the most important phenological stages for managing the vineyard, variety by variety

• IMAGERY

GrapeDSS compares vigor zones, water stress and chlorophyll value of the different fields with the same variety