



Services & Research for Agriculture

#### **Biocontrol CAMPO DEMO**

Evaluation of different biocontrol products in grapevine and table grape against *Plasmopara viticola* and *Erysiphe necator* in 2 different areas in Italy





### Who we are?



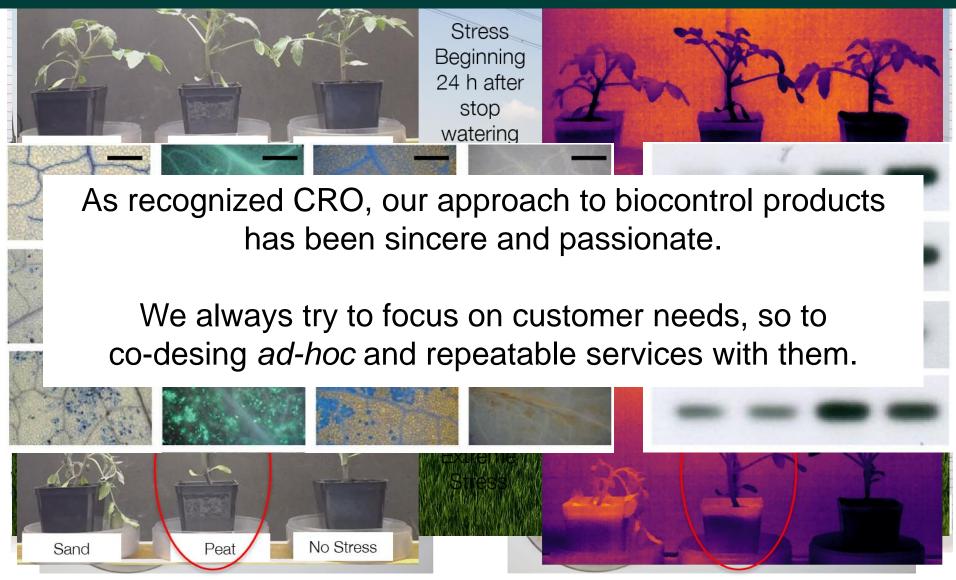
Agricola 2000 is a cooperative society in public limited form founded in 1983. We strives to be a benchmark for all institutions, companies and research centers, operating in the agriculture sector.







## How do we respond to your needs?



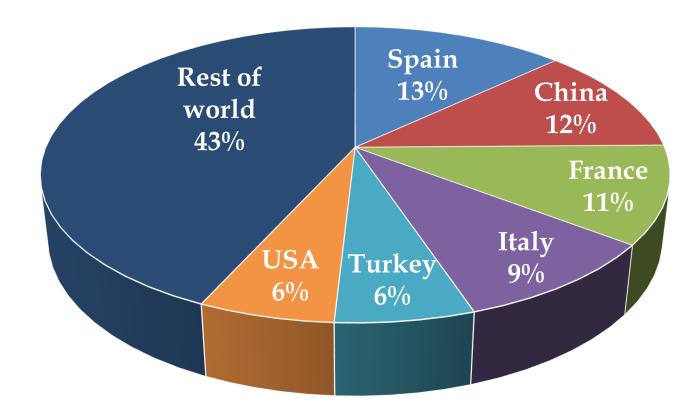






## Grapevine: world area under vine

7.4 mha is the global area under vines in 2018 5 countries represent 50% of the world vineyard

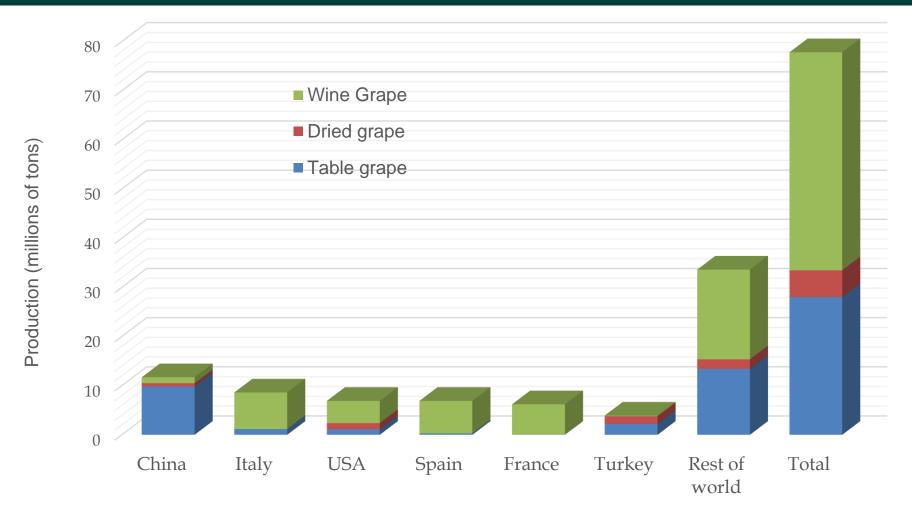


#### CAMPO DEMO 2020





# Grapevine production by type of grape



Source: OIV 2019 - Statistical Report on World Vitiviniculture

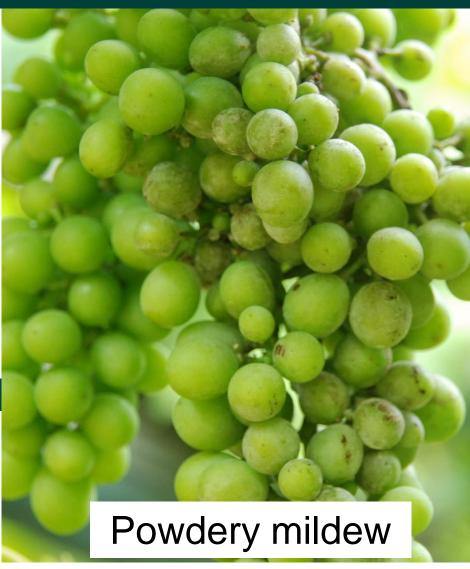






### Main diseases of grape











### Aim of the study

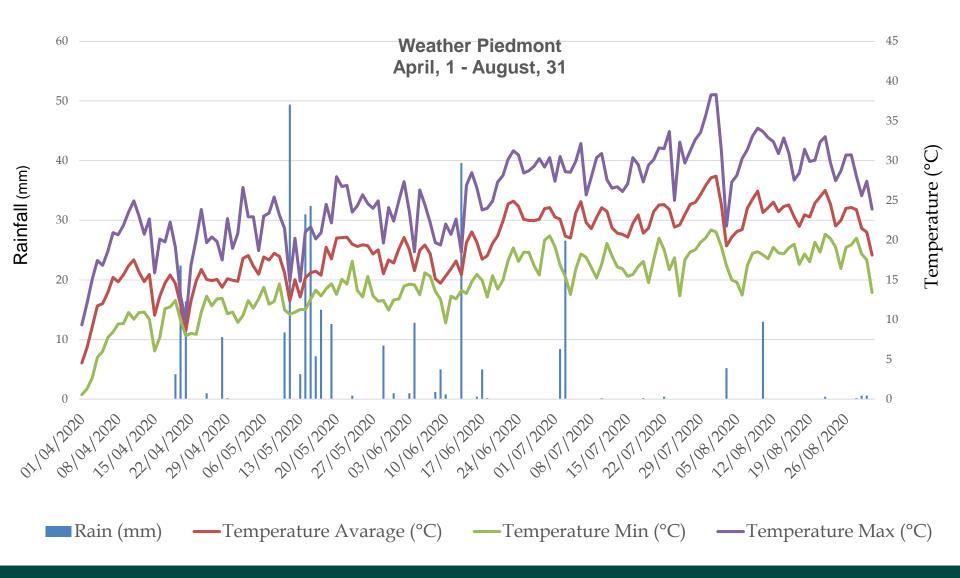
The aim of the study is to verify and evaluate the activity of Biocontrol products applied at various rates and to control grapevine downy mildew (*Plasmopara viticola*) and powdery mildew (*Erysiphe necator*).







### **Piedmont Weather**

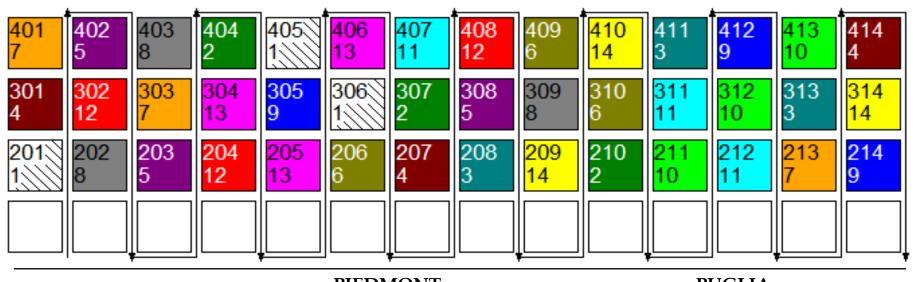


CAMPO DEMO 2020





#### Matherials and metods



| PIEDMONT | PUGLIA |
|----------|--------|
|          |        |

| Water volume              | 500 L/ha  | 800 L/ha |  |
|---------------------------|---|----------|--|
| Variety                   | Chardonnay<br>Moscato b.  | Italia   |  |
| <b>Experimetal design</b> | Randomized block design   |          |  |
| Assessements              | Assessments are performed on 100 leaves and 50 bunch per plot   |          |  |
| statistical analysis      | Data to collected were processed with the ANOVA method, and the results elaborated by Tuckey's test at 5% |          |  |





## Wine grape – downy mildew Treatments



#### WINE GRAPE - DOWNY MILDEW THESES

By Agricola2000 S.C.p.A on 16 Oct 2020

Type the number of thesis you would like to see

| THESIS       | ACTIVE<br>INGREDIENTS | ACTIVE<br>INGREDIENTS               | APPLICATION<br>TIMING | COMPANY      |
|--------------|-----------------------|-------------------------------------|-----------------------|--------------|
| Thesis<br>01 | COMMERCIAL<br>PRODUCT | Copper Oxychloride -<br>570 g ai/ha | ABCDFGHJLMNPQ         | AGRICOLA2000 |

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https://public.flourish.studio/visualisa...

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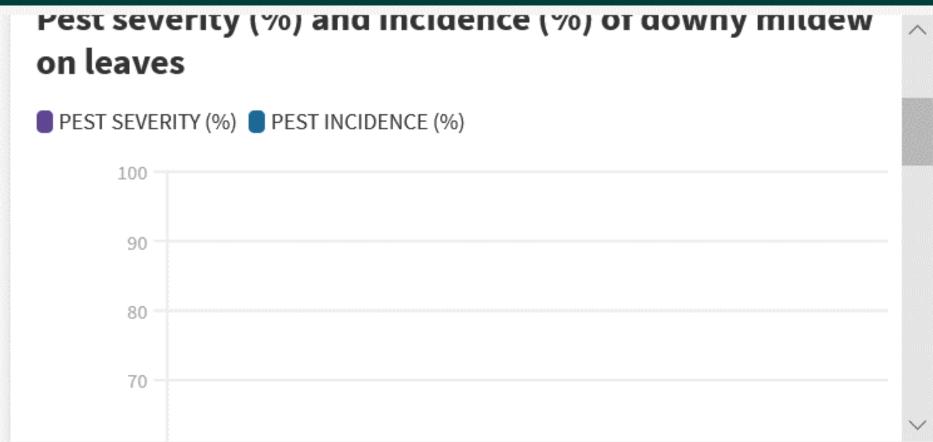
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# Wine grape – Downy mildew Results on leaves and bunches



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### Wine grape – Powdery mildew Theses

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## Wine grape – Powdery mildew Results on bunches

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# Table grape – Downy mildew and Powdery mildew

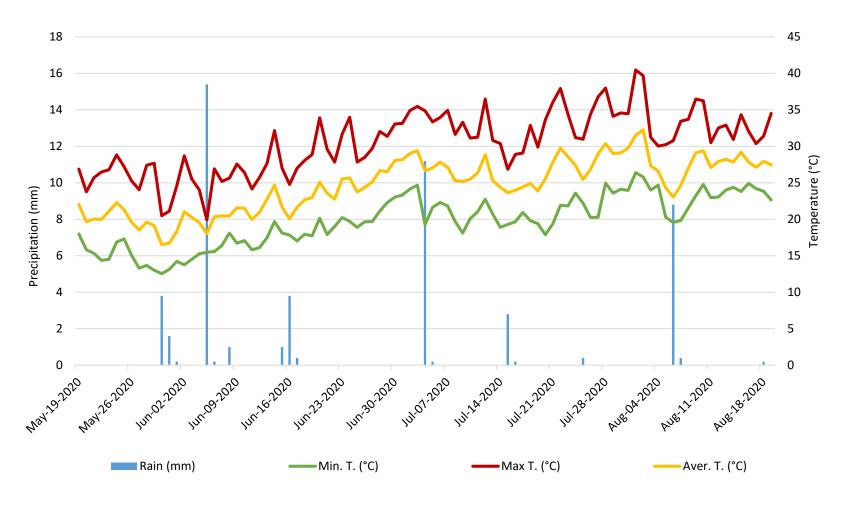








### Puglia - Weather









# Table grape – Downy mildew and Powdery mildew - Treatments

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## Table grape – Downy mildew and Powdery mildew - Results

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#### CAMPO DEMO 2020





113
BIOVEGEN
members

84 companies

11
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18
Research centers













#### Conclusions



We believe that the best key is communication and sharing information and, for this reason, we are investing in order that our service is of maximum use, as well as having a scientific and technological value for research, but also to transmit the communication to the farmer.

## Thank you for listening... and watching!





Services & Research for Agriculture

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