COST Action FA1303 ‘Sustainable control of grapevine trunk diseases’

Logroño, Spain, Friday, October 7

Vineyard survey in EUROPE on the interest of cultural practices for the management of GTDs

Preliminary results and round table

Pascal Lecomte & Stefano Di Marco
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<td><strong>Total</strong></td>
<td><strong>523</strong></td>
<td><strong>392</strong></td>
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Some reminders about the content of the questionnaire:

* General information on the farm or on the viticultural structure

* 4 general questions on GTDs in relationship with cultural practices

* Questions about practices:
  - that reduce inoculum sources (5-10)
  - that prevent GTDs (11-17)
  - that prevent worsening of GTDs (18-26)

26 questions: too much?
Type of farming

Czech Republic 13/13; Croatia 16/16; Germany 20/20; Hungary 22/22; Italy 138/229; Spain 70/100; UK 5/5
French questionnaires: 56 examined

General information

- Type of farming: data similar to those of ITALY

9 viticultural regions (3 to 13), 36,000 has

  Integrated control: 60%
  Traditional: 22.6%
  Organic: 14%
  Biodynamic: 3.4%

- How do you consider the level of knowledge on GTDs in your structure:
  Low 13%  Medium 57%  High 27%

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Knowledge of GTD (Esca, Bot, Eutypa)

Czech Republic 13/13; Croatia 16/16; Germany 20/20; Hungary 22/22; Italy 138/229; Spain 70/100; UK 5/5
Do you apply some cultural practices to prevent or reduce GTDs?

GTDs in general

Czech Republic 13/13; Croatia 16/16; Germany 20/20; Hungary 22/22; Italy 138/229; Spain 70/100; UK 5/5
French responses: questions on GTDs and cultural practices

• **Question 1**: Are GTDs considered a big issue in your farm?

  YES: 80%
• **Question 2**: Do you think that viticulturists in your region are aware of the interest of some cultural practices that may prevent or reduce GTDs?
  - In general: **YES 42%**
  - Depending on local structures: **YES 71%**
  - Depending on the farmer: **YES 84%**

• **Question 3**: Do you apply some cultural practices to prevent GTDs?
  - In general: **YES 91%**
  - Depending on the cultivar or plot: **YES 51%**
  - Depending on the season or availability: **YES 55%**

• **Question 4**: If yes, for which disease these measures are applied?
  - Esca disease: **YES 82%**
  - Bot dieback: **YES 36%**
  - Eutypa dieback: **YES 45%**

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Do you apply some cultural practices to prevent or reduce GTDs?

Depending on the cultivar or plot

Czech Republic 13/13; Croatia 16/16; Germany 20/20; Hungary 22/22; Italy 138/229; Spain 70/100; UK 5/5
Do you apply some cultural practices to prevent or reduce GTDs?

Depending on the season or availability

Czech Republic 13/13; Croatia 16/16; Germany 20/20; Hungary 22/22; Italy 138/229; Spain 70/100; UK 5/5
Removing or reducing inoculum sources

• **Question 5**: 83% remove symptomatic part of vine and dead wood?

• **Question 6**: 87% avoid clusters of dead vines close to the vineyard?

• **Question 7**: 67% burn the dead wood and pruning debris?

• **Question 8**: Do you recycle the pruning debris (Composting, ...)
  
  YES 56%

  How do you recycle: left on the soil and ground

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Do you remove symptomatic part of vine and dead wood?

- Czech Republic: 13/13
- Croatia: 16/16
- Germany: 20/20
- Hungary: 22/22
- Italy: 138/229
- Spain: 70/100
- United Kingdom: 5/5

Yes  No  -
Do you avoid clusters of dead wood and pruning debris?

Czech Republic 13/13; Croatia 16/16; Germany 20/20; Hungary 22/22; Italy 138/229; Spain 70/100; UK 5/5
Do you burn dead wood and pruning debris?

Czech Republic 13/13; Croatia 16/16; Germany 20/20; Hungary 22/22; Italy 138/229; Spain 70/100; UK 5/5
Do you recycle the pruning debris?

- Czech Republic: 13/13
- Croatia: 16/16
- Germany: 20/20
- Hungary: 22/22
- Italy: 138/229
- Spain: 70/100
- United Kingdom: 5/5
Type of recycling

Czech Republic 13/13; Croatia 16/16; Germany 20/20; Hungary 22/22; Italy 138/229; Spain 70/100; UK 5/5

leaved in the vineyard  keep out from the vineyard
Do you protect the pruning wounds? Against GTDs in general

Czech Republic 13/13; Croatia 16/16; Germany 20/20; Hungary 22/22; Italy 138/229; Spain 70/100; UK 5/5
First conclusions

Growers generally know what to do to remove or reduce inoculum sources, but are less aware about the practices that can prevent GTDs.

Some rare growers seem more aware (than others) of pruning practices that can reduce GTDs (Guyot Poussard system).

A big effort seems necessary to develop specific training about all practices that can prevent GTDs.
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