



# **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**

<b>Country</b>	<b>Filled questionnaires (n)</b>	<b>Processed questionnaires (n)</b>	<b>Processed questionnaires (%)</b>
Austria	-	-	-
Bulgaria	10	0	0
Czech Republic	13	13	100
Croatia	16	16	100
France	126	126	100
Germany	20	20	100
Greece	-	-	-
Hungary	22	22	100
Israel	-	-	-
Italy	229	139	60,4
Netherlands	-	-	-
Poland	-	-	-
Portugal	-	-	-
Romania	-	-	-
Slovenia	-	-	-
Spain	100	70	70
Sweden	-	-	-
Switzerland	-	-	-
United Kingdom	5	5	100
<b>Total</b>	<b>523</b>	<b>392</b>	

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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)**

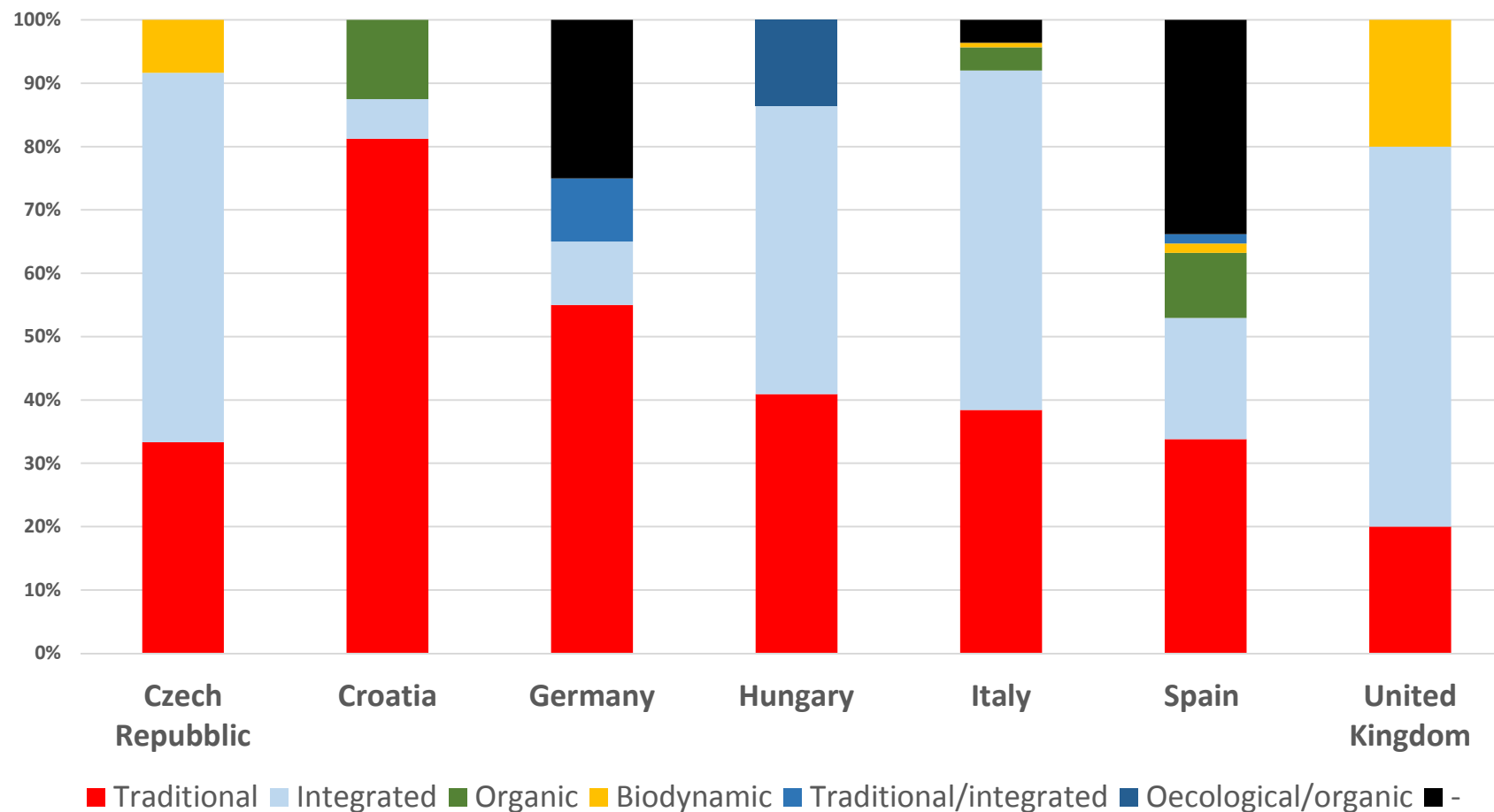
**that prevent GTDs (11-17)**

**that prevent worsening of GTDs (18-26)**

**26 questions: too much?**

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## 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%

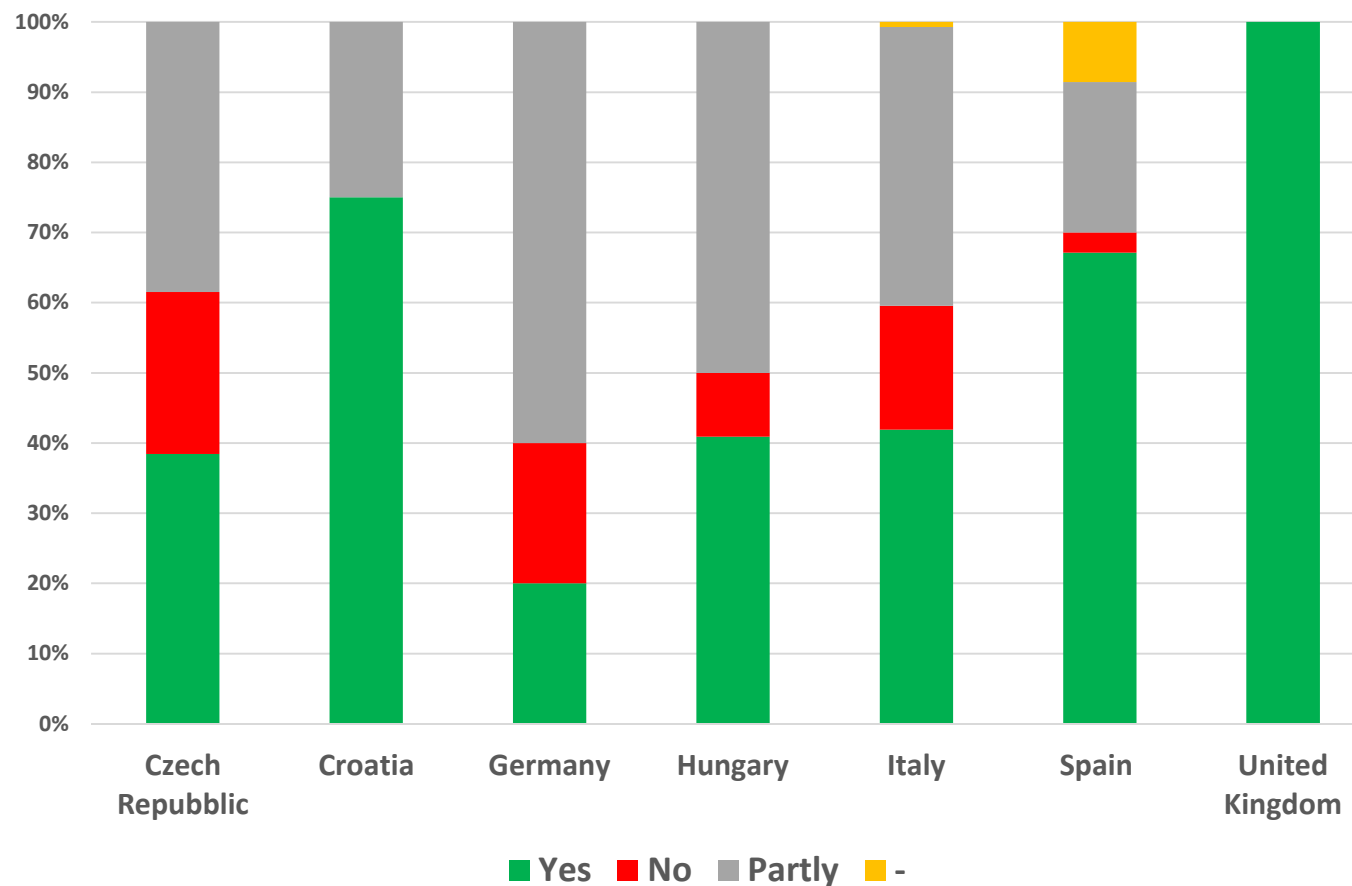
Medium **57%**

High 27%

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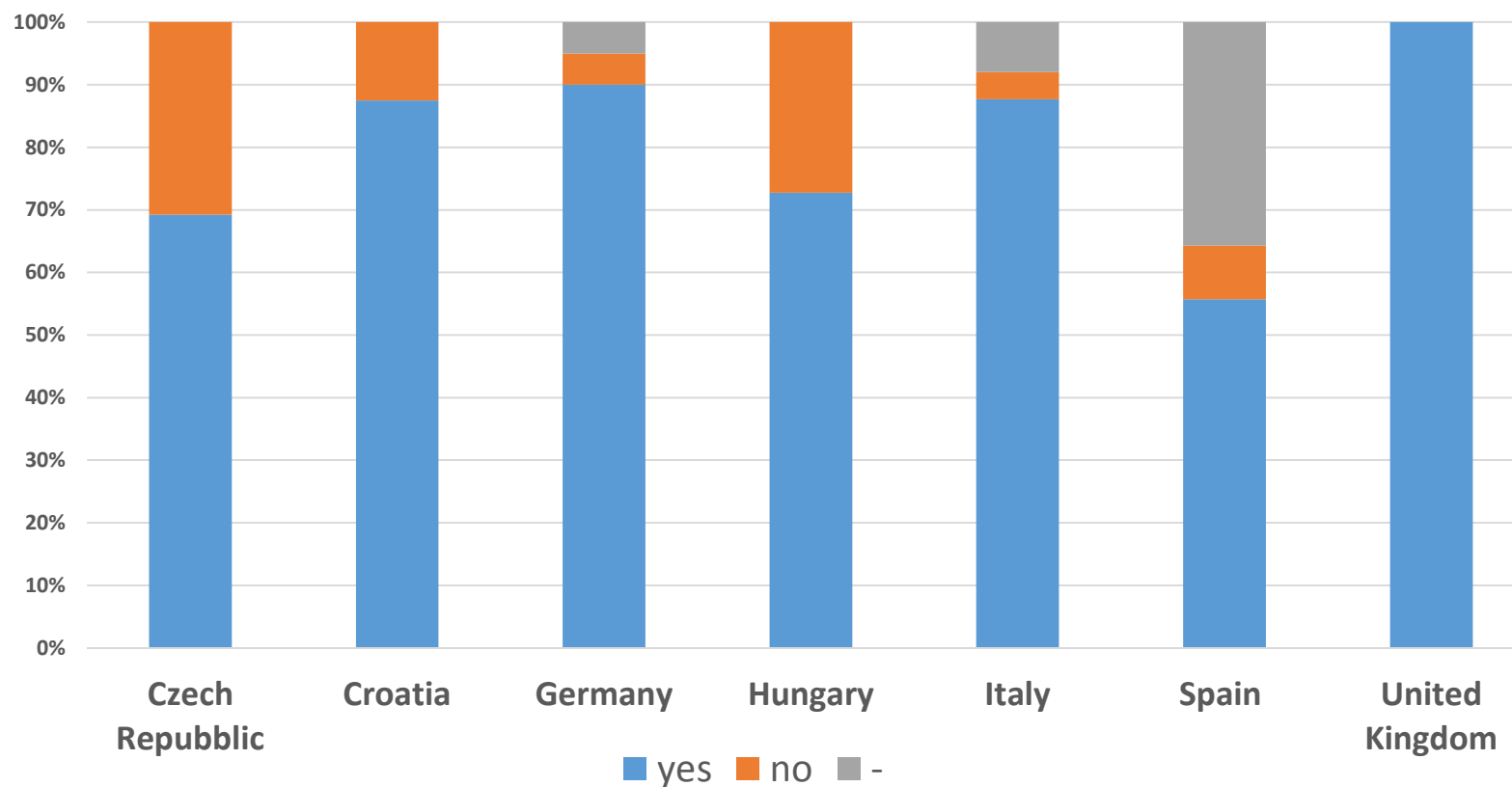
## Knowledge of GTD (Esca, Bot, Eutypa)



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%

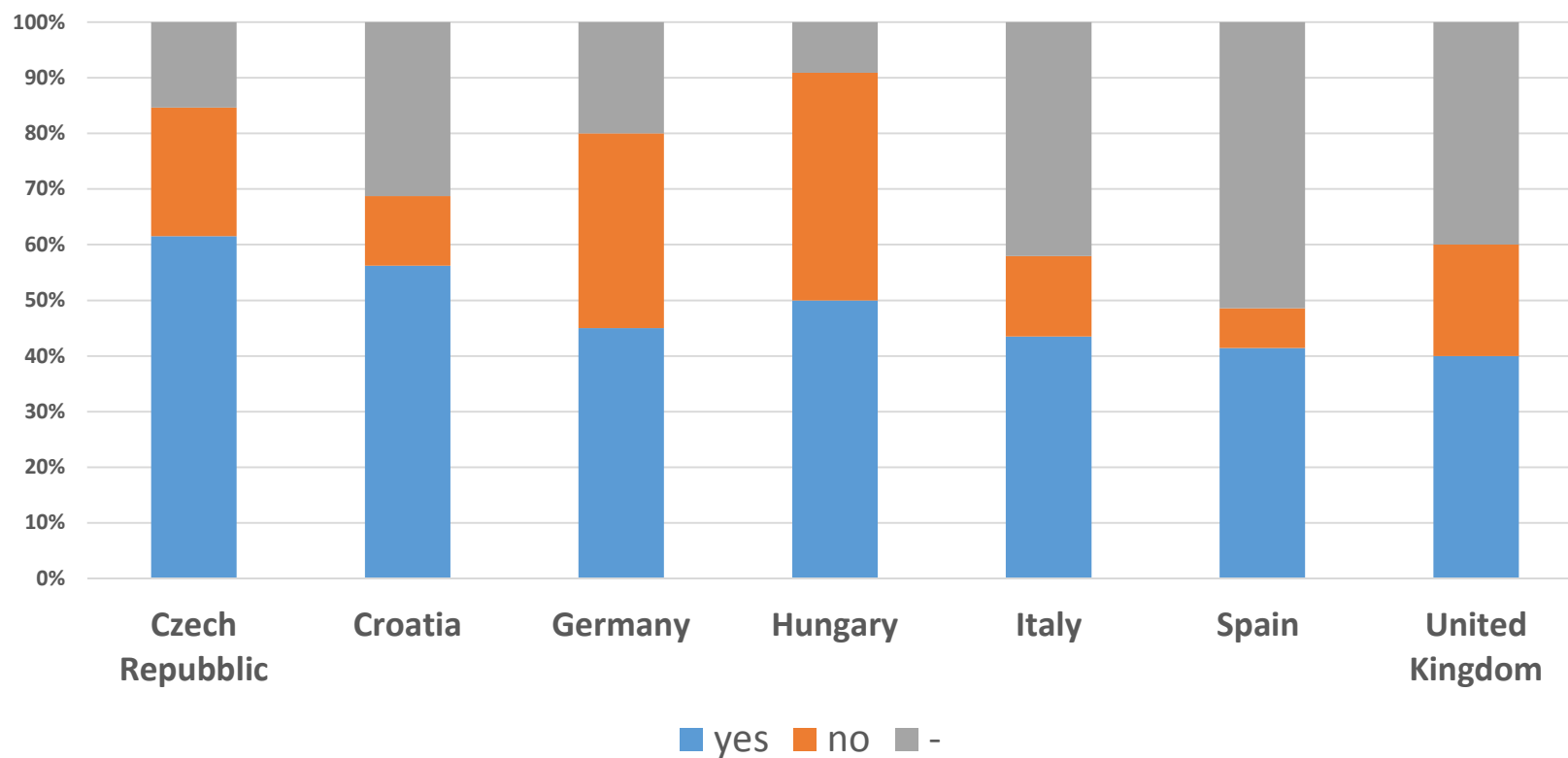
- **Question 3:** Do you apply some cultural practices to prevent GTDs?

- 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?

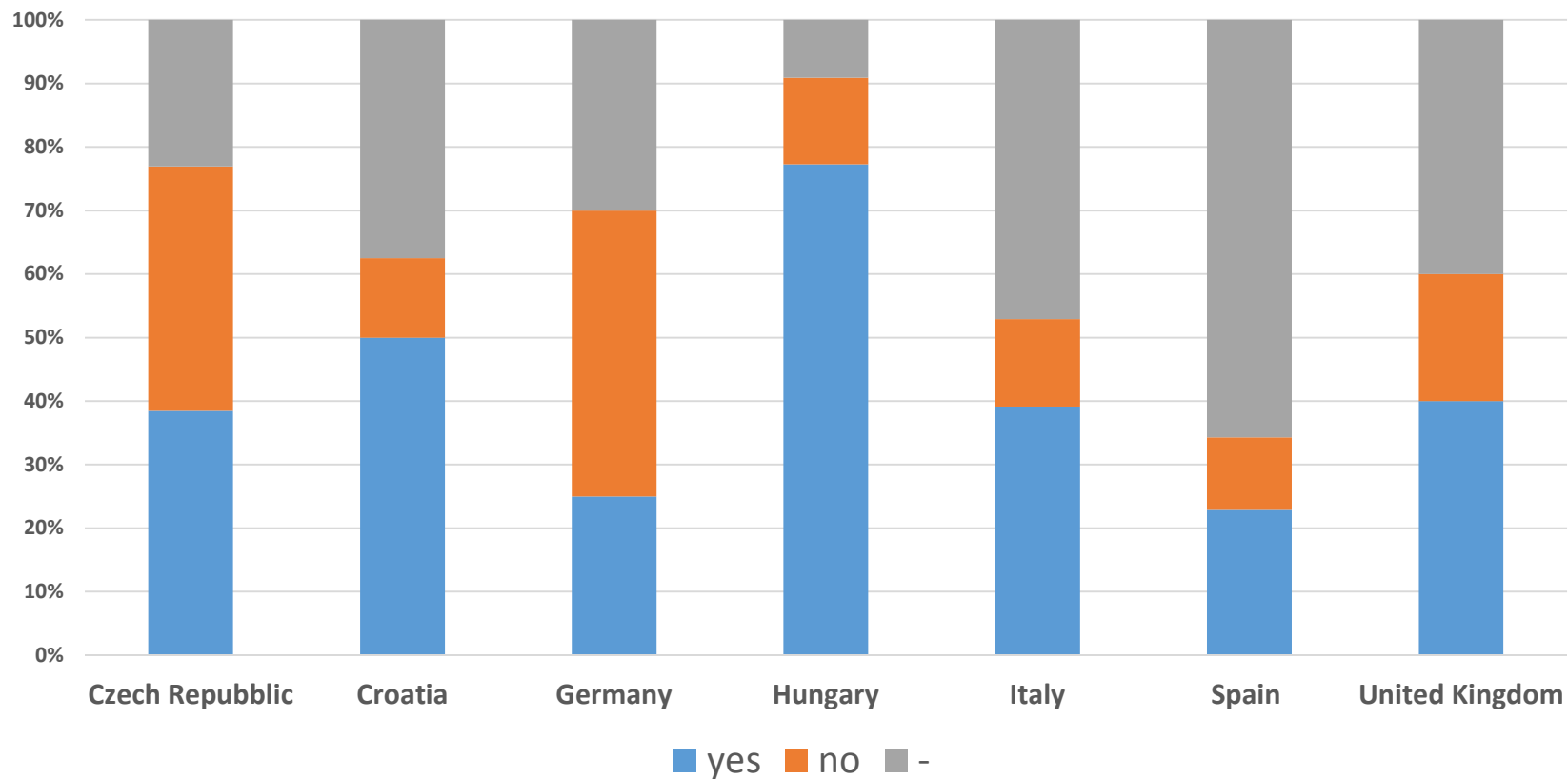
- Esca disease: YES 82%
- Bot dieback: YES 36%
- Eutypa dieback: YES 45%

**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

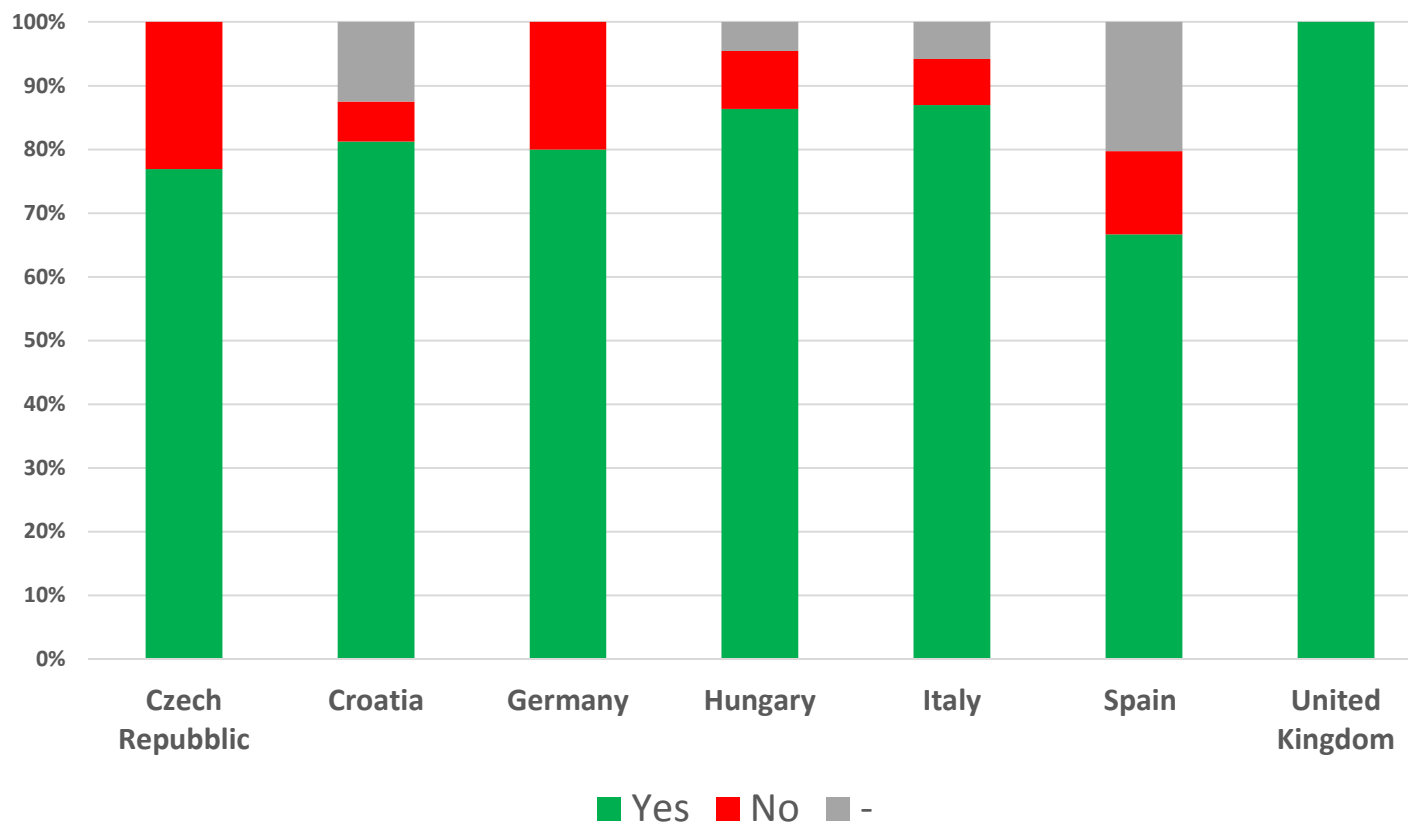
## Removing or reducing inoculum sources

- **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%**

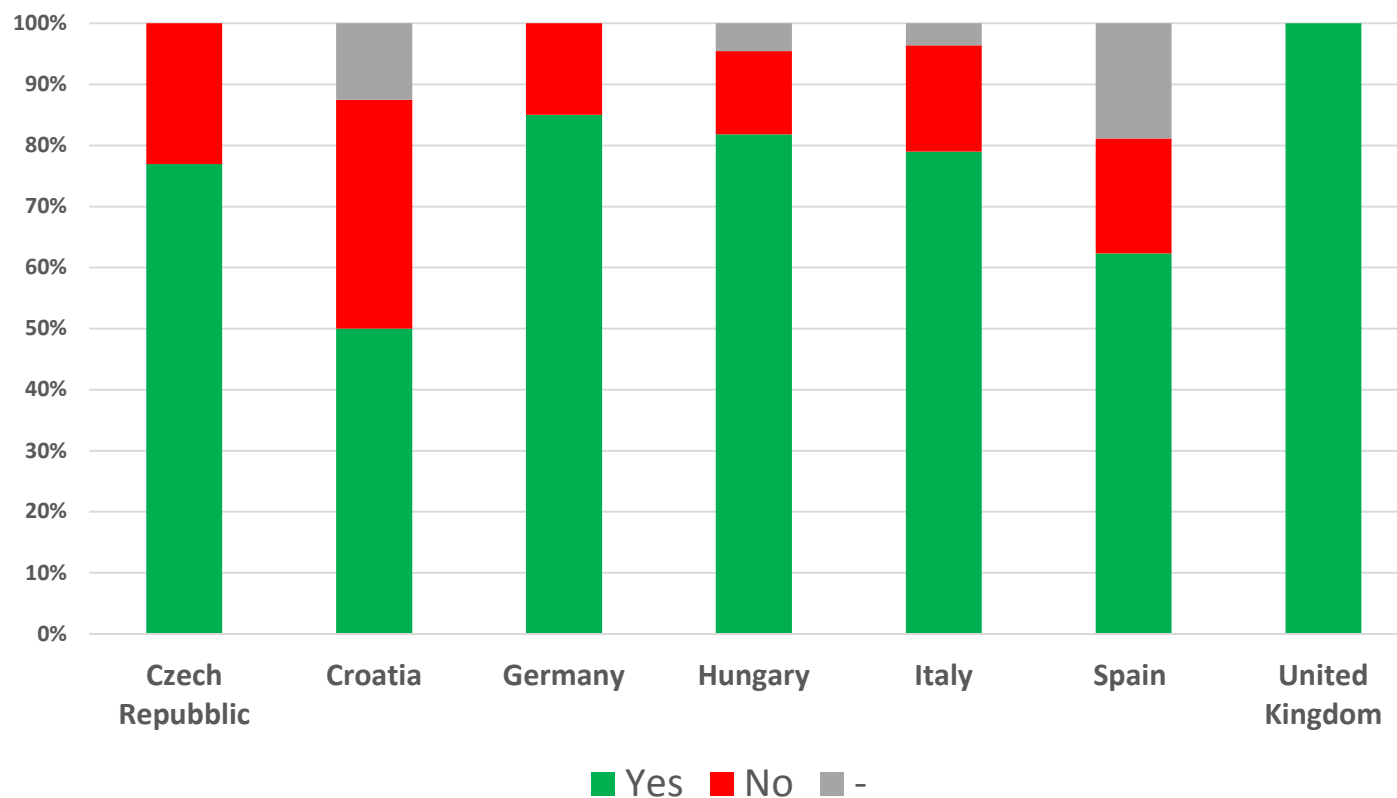
How do you recycle: **left on the soil and ground**

### Do you remove symptomatic part of vine and dead wood?



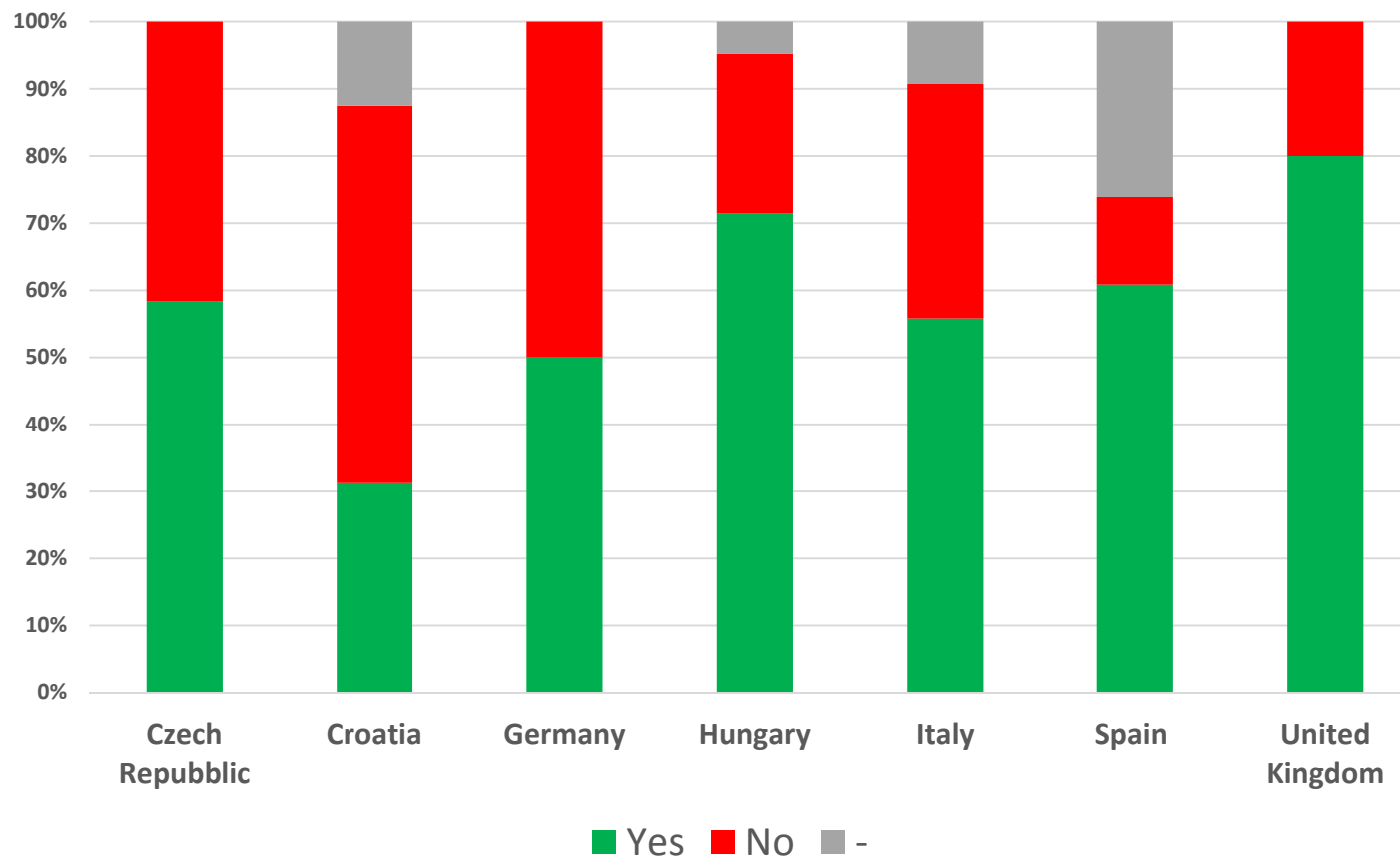
Czech Republic 13/13; Croatia 16/16; Germany 20/20; Hungary 22/22; Italy 138/229; Spain 70/100; UK 5/5

### Do you avoid clusters of dead wood and pruning debris?



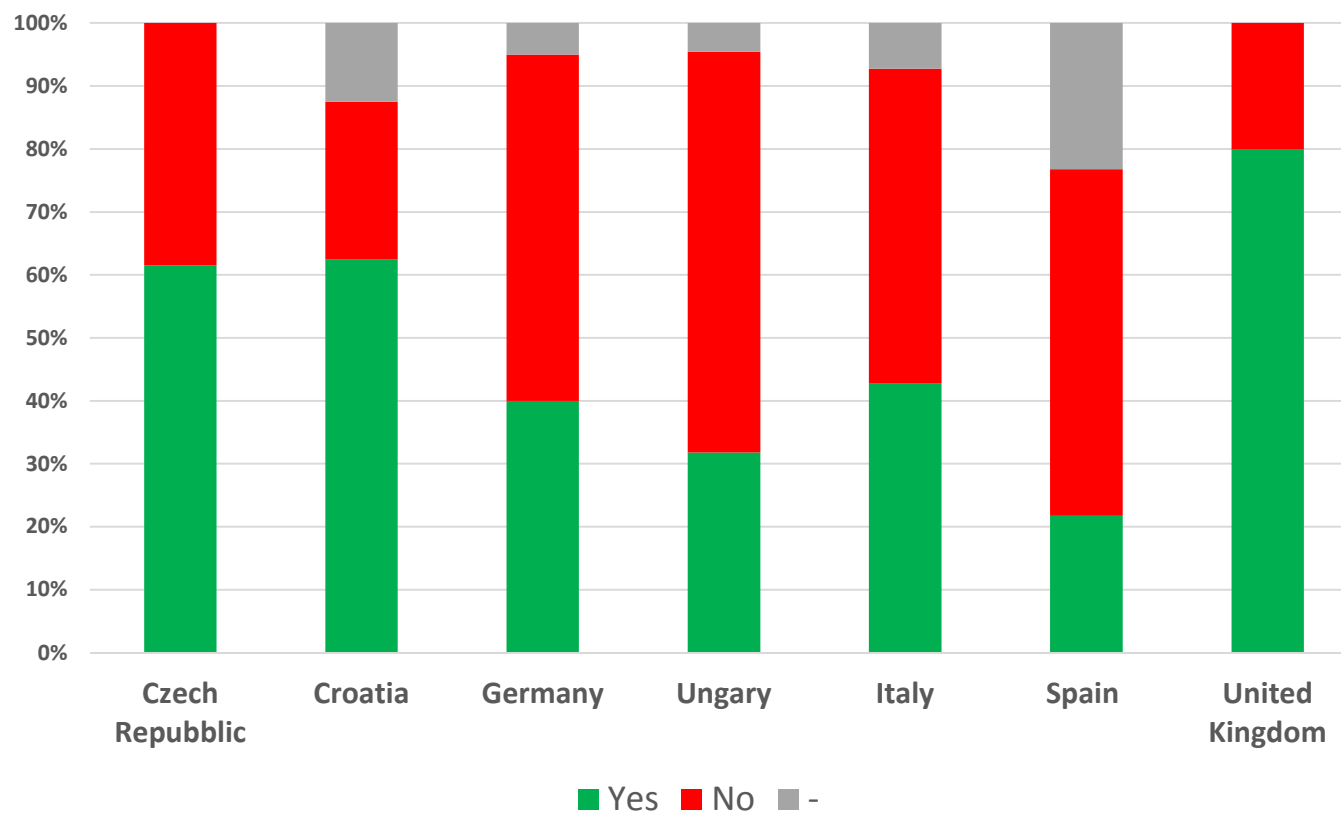
Czech Republic 13/13; Croatia 16/16; Germany 20/20; Hungary 22/22; Italy 138/229; Spain 70/100; UK 5/5

### 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

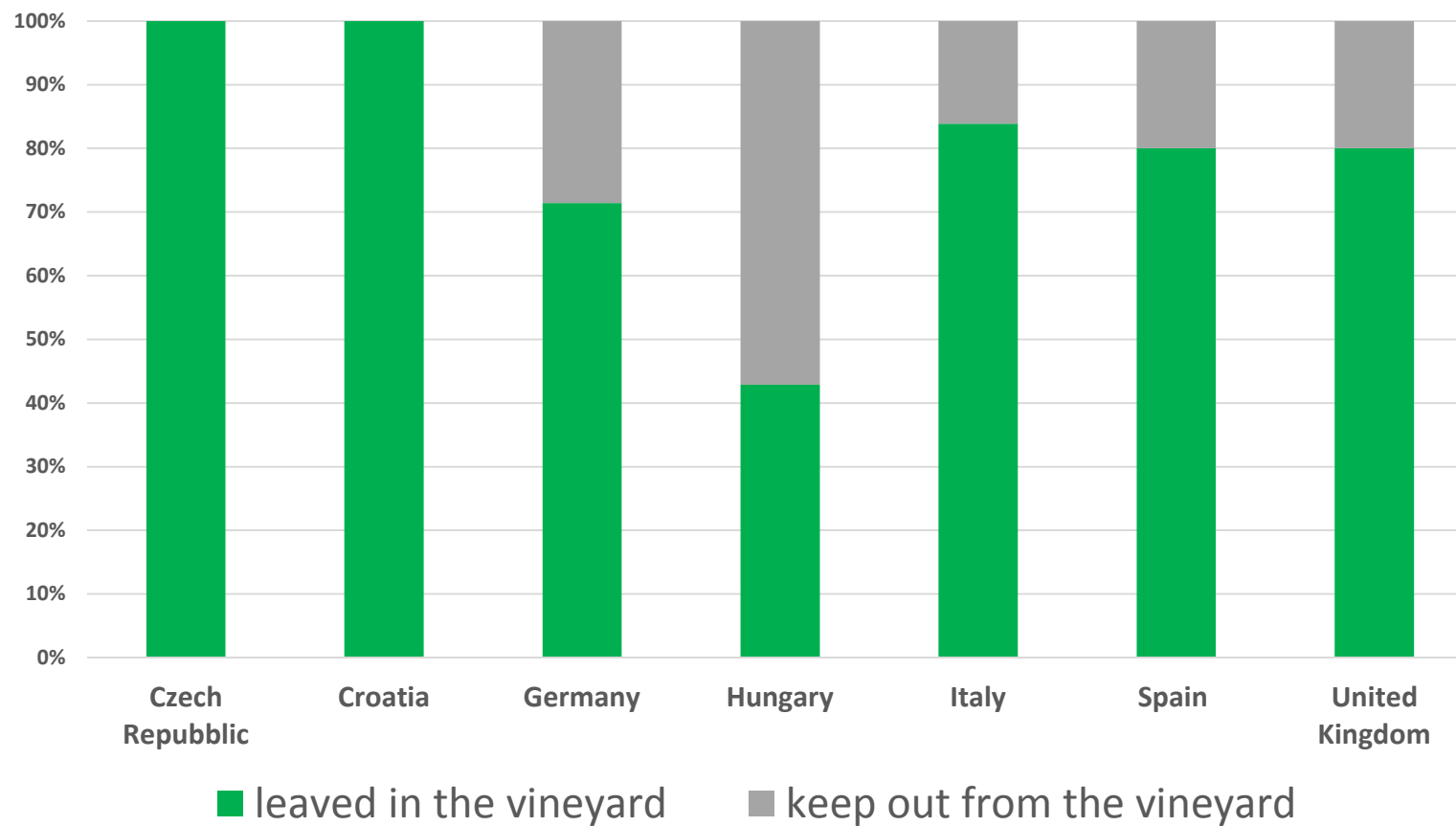
### Do you recycle the pruning debris?



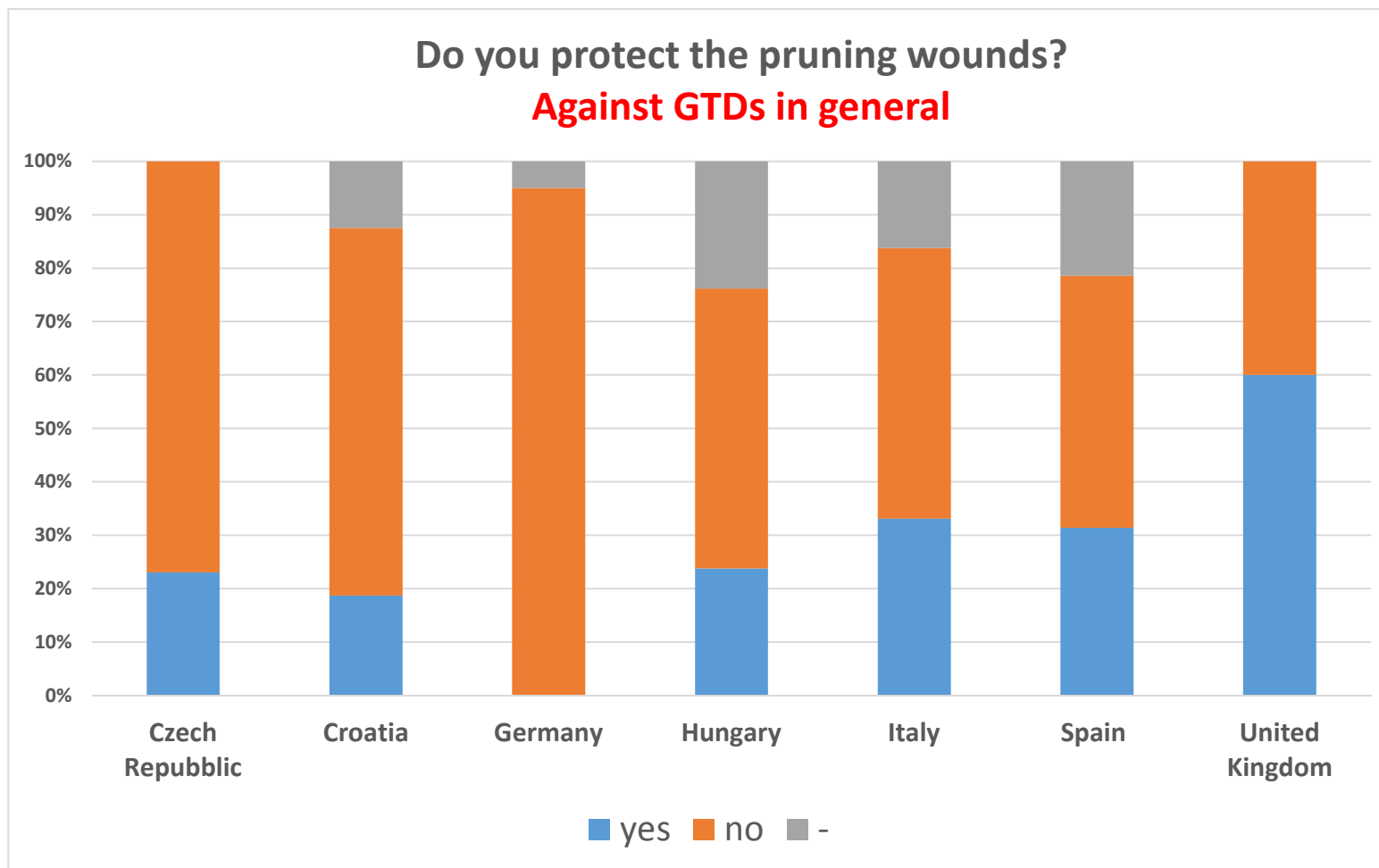
Czech Republic 13/13; Croatia 16/16; Germany 20/20; Hungary 22/22; Italy 138/229; Spain 70/100; UK 5/5



## 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



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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