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Spread of flavescence dorée phytoplasma in formerly and recently colonised areas of Switzerland

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 - The basic measures are effective
 - The goal of eradicating the disease is achievable



- The disease is established in the environment
- Search for a strategy to keep the incidence low



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Spread of the disease north of the alps 2019 6 hotbeds **Eradication takes** up to 5 years 6 localized infections 2016 (1 - 3 vine stock)2019 No local 2015 Lavaux 2020 dissemination Rivier 2019 2016 2020 Aigle 2020 2020 Monthey

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Spread of the disease north of the alps





Spread of the disease north of the alps





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Insect analysis as a measure of plot/environment exchanges



- What host allows the contamination of S. titanus in areas with Flavescence dorée-free vinestocks?
- How long will the vine remain symptom-free?

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North of the Alps



- Only two introduction events really took place
- No interaction with the landscape





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Conclusions

South of the Alps



Multiple introduction events



- The landscape is a reservoir and does not allow for the eradication of the disease.
- the forest landscape continuum is involved in the spread to new areas



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Thank you for your attention



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