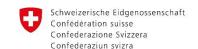


# DROSOPHRISK: Evaluation of risk management strategies and damages

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### 1 Introduction

DROSOPHRISK is a project of ETH Zurich and Agroscope with the aim to analyze the already implemented strategies against the invasive pest *Drosophila suzukii* in the Swiss berry, stone fruit and grape production. The goal is to contribute to developing better policies to cope with these risks by providing further recommendations for policy makers in this field. Below you will find preliminary results from the plums and grapes survey with growers for the harvest 2016. Surveys were distributed to all Swiss growers and 373 grape growers participated to the survey.

### More information: http://www.aecp.ethz.ch/research/drosophrisk.html

## 2 Preliminary results: Infestation levels

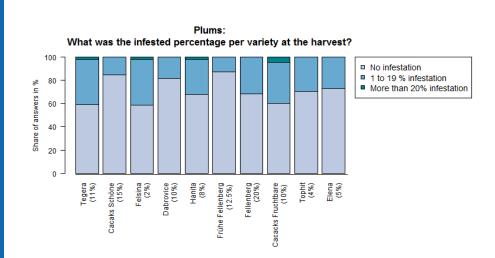


Figure 1. Plums survey (harvest 2016): Infestation due to *Drosophila suzukii*Note: The percentages in brackets represent the proportion of the plum varieties for the total plum surface of the survey.

→ High heterogeneity of infestation across varieties. Fellenberg, Frühe Fellenberg & Elena are according to the survey respondents the most affected

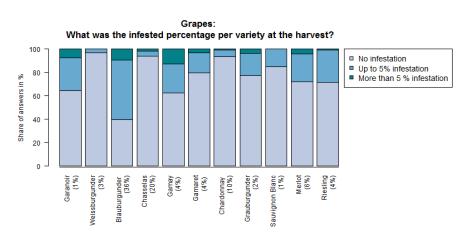


Figure 2. Grapes survey (harvest 2016): Infestation due to the *Drosophila suzukii* 

→ Red grapes are more affected. Blauburgunder, Gamay & Garanoir are according to the survey respondents the most affected

### Preliminary results: Control methods

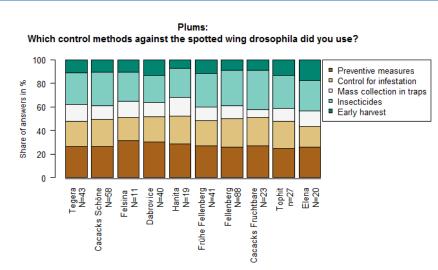


Figure 3. Plums survey (harvest 2016): Control methods

→ Large variety of strategy bundles are used to prevent or reduce damages. Preventive measures (i.e. clean harvest) and the use of insecticides are the most reported control methods

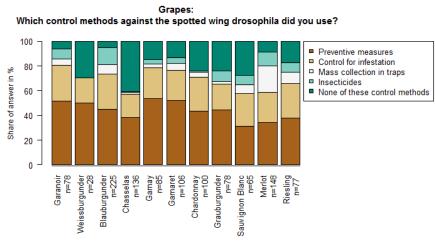


Figure 4. Grapes survey (harvest 2016): Control methods

→ Preventive measures (i.e.pinching back of foliage and mowing) and control of infestation are the most reported control methods

# 4 Planning 2017-2018



- Surveys berries, plums, grapes online (harvest 2017)
- Individual feedback to growers
- Further analysis of available data and publication of results
- Survey cherries online (harvest 2018)
- Surveys berries, plums, grapes online (harvest 2018)
- Individual feedback to growers





