



## Dataset

# **Drosophila suzukii in Swiss grape production – Data from a survey on risk management strategies in 2018**

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**Publication Date:**

2018

**Permanent Link:**

<https://doi.org/10.3929/ethz-b-000328260> →

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Title of data: *Drosophila suzukii* in Swiss grape production - Data from a survey on risk management strategies in 2018

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A survey was conducted with Swiss grape growers with the specific aim to identify risk management strategies taken in response to *Drosophila suzukii* as well as to survey perceived infestation levels and harvest losses. The survey was conducted in mid November 2018 concerning the grape harvest of 2018. The survey link was sent out to the cantonal agricultural services via E-Mail with a link and a description of the survey.

In the survey, background information was gathered relating to farmer characteristics (age, gender, successor or no successor) and farm production (farm size, production system, and tenure). The survey also provided insights on information sources used. Risk preferences were elicited using questions on attitude to risk taking in four different domains (production, market and prices, external financing and agriculture in general) (Meuwissen, Huirne et al. 2001). In addition, a simple 11 point Likert scale self-assessment question on risk aversion following Dohmen, Falk et al. (2011) was used. The survey includes questions on locus of control (Abay, Blalock et al. 2017) and self-efficacy (Bandura 2006), measured via Likert scale self-assessment questions. Finally, we undertook a contextualized multiple price list following Holt and Laury (2002) in order to measure risk preferences. The survey was conducted online via a platform LIMESURVEY and was distributed in German, French and Italian. The final number of submitted responses is 389.

Files included in the zip-folder:

02\_Codebook\_grapes\_2018.pdf: Description of the contents, structure and layout of the data collection including the name of the variables, the question text and values for each variable.

03\_Grapes\_KEF\_data\_2018.csv: Survey data with variables. A number of variables such as the email addresses, personal comments and the postal codes were deleted due to confidential reasons.

04\_Survey\_2018\_grapes\_DE.pdf: Survey questions available in German in PDF format

05\_Survey\_2018\_grapes\_ENG.pdf: Survey questions available in English in PDF format

06\_Survey\_2018\_grapes\_FR.pdf: Survey questions available in French in PDF format

07\_Survey\_2018\_grapes\_IT.pdf: Survey questions available in Italian in PDF format

References:

Abay, K. A., G. Blalock and G. Berhane (2017). "Locus of control and technology adoption in developing country agriculture: Evidence from Ethiopia." *Journal of Economic Behavior & Organization* 143: 98-115.

Bandura, A. (2006). "Guide for constructing self-efficacy scales." *Self-efficacy beliefs of adolescents* 5(1): 307-337.

Dohmen, T., A. Falk, D. Huffman, U. Sunde, J. Schupp and G. G. Wagner (2011). "Individual risk attitudes: Measurement, determinants, and behavioral consequences." *Journal of the European Economic Association* 9(3): 522-550.

Holt, C. A. and S. K. Laury (2002). "Risk Aversion and Incentive Effects." *American Economic Review* 92(5): 1644-1655.

Meuwissen, M. P. M., R. B. M. Huirne and J. B. Hardaker (2001). "Risk and risk management: an empirical analysis of Dutch livestock farmers." *Livestock Production Science* 69(1): 43-53.