

Drosophila suzukii in Swiss plum production – Data from a survey on risk management strategies in 2016

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Title of data: *Drosophila suzukii* in Swiss plum production – Data from a survey on risk management strategies in 2016

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A survey was conducted with Swiss plum 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 from February to mid-March 2017 concerning the plum harvest of 2016. The survey link was sent out to the cantonal agricultural services via E-Mail with a link and a description of the survey. The link was also published in the Swiss Fruit Union Newsletter.

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 et al. (2011) was used. The survey was conducted online via a platform LIMESURVEY and was distributed in German, French and Italian. The final number of submitted responses is 112.

Files included in the zip-folder:

Codebook_plums_2016.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.

Plums_KEF_data_2016.csv: Survey data with variables. A number of variables such as the email addresses and the postal codes were deleted due to confidential reasons.

Survey_2016_plums_DE.pdf: Survey questions available in German in PDF format

Survey_2016_plums_ENG.pdf: Survey questions available in English in PDF format

Survey_2016_plums_FR.pdf: Survey questions available in French in PDF format

Survey_2016_plums_IT.pdf: Survey questions available in Italian in PDF format

References:

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.

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.