

### Projects

- Latvian Ministry of Agriculture, Rural Support Service project “Wild cherry (*Cerasus avium* Moench. syn. *Prunus avium* L.) propagation technology development and selection of perspective clones for the establishment of productive roundwood plantations under the climatic conditions of Latvia” (2020 – 2023). Leader of project activity, responsible for the development of propagation technology by green cuttings.
- Latvian Ministry of Agriculture project “Identification, collection and research of the genetic potential of in situ cultivated plants for food and agriculture and their wild relatives” 19-00-SOINV05-000022 (2019 – 2021). Project contractor, collection, evaluation and description of sweet and sour cherries.
- Latvian Ministry of Agriculture, Rural Support Service project “The necessity of nutrients for cherries and improvement of their availability” (2019 – 2022). Project leader, responsible for the implementation of project with the aim to determine nutrient uptake of cherries on several rootstocks and to evaluate the effect of various products and methods of fertilizing for cherries grown in poor soils in the collaboration with Latvia University of Life Sciences and with farmers.
- Latvian Ministry of Agriculture, Rural Support Service project of demonstrations “Selection of pear, plum and / or cherry cultivars suitable for Latvian conditions” (2018 – 2022). Project leader, responsible for the implementation of project with the aim to demonstrate plum, cherry and pear cultivars in different regions of Latvia (cultivar evaluation in collaboration with the farmers, Field day organization).
- Advancement of non-technological innovation performance and innovation capacity in fruit growing and processing sector in selected Baltic Sea Region countries” (InnoFruit) (2016 – 2019). Project contractor, participation in the creating of demonstration farm network, maintenance of demonstrations.
- Latvian Ministry of Agriculture project Nr. 070515/S2P Evaluation of cultivars and rootstocks of apple, plum and cherries for sustainable production in different regions and technology development of them (2015 – 2020). Project contractor, evaluation of cherry cultivars and rootstocks in plantations of farmers, and in sweet cherry trial in Institute of Horticulture.
- COST Action FA1104 Sustainable production of high-quality cherries for the European market (2012 - 2016). Project contractor, participation in the exchange of scientific information about cherries. In the frames of project, short term scientific mission was performed learning evaluation methods and techniques of sour cherry winterhardiness in Aarhus University, Denmark [https://www.bordeaux.inra.fr/cherry/docs/dossiers/Activities/Short%20Term%20Scientific%20Missions/STSM%20Scientific%20Report\\_Feldmane.pdf](https://www.bordeaux.inra.fr/cherry/docs/dossiers/Activities/Short%20Term%20Scientific%20Missions/STSM%20Scientific%20Report_Feldmane.pdf)
- Europe Social Fund project Nr. 2013/0048/1DP/1.1.1.2.0/13/APIA/VIAA/008. “Creation of a new research group for propagation of stone fruits, quality improvement of generative processes and possibilities of fruit use” (2013-2015). Leader of project activity; responsible for the research of the propagation of stone fruit rootstocks by green cuttings.

### Publications

- G. Bujdosó, K. Hrotkó, D. Feldmane, D. Giovannini, H. Demirsoy, R. Tao, S. Ercisli, N. Ertek and S. Malchev (2020) What kind of sweet cherries do the final consumers prefer? South Western Journal of Horticulture, Biology and Environment Vol.11 (1): 37-48 [http://biozoojournals.ro/swjhbe/v11n1/swjhbe\\_e20104\\_Bujdoso.pdf](http://biozoojournals.ro/swjhbe/v11n1/swjhbe_e20104_Bujdoso.pdf)
- D. Feldmane, I. Druva-Lūsīte, V. Pole, M. Butac, M. Militaru, I. Missa, D. Meiere, E. Rubauskis (2020) Rhizophagus irregularis MUCL 41,833 association with green cuttings of Prunus sp. rootstocks. Journal of Plant Growth Regulation. DOI 10.1007/s00344-020-10116-1 <http://link.springer.com/article/10.1007/s00344-020-10116-1>
- D. Feldmane, M. Butac, M. Militaru, E. Kalva, S. Grotuze, I. Missa, L. Sproģe and E. Cirsa (2019). Response of adult sour cherry trees to woodchip mulch and drip irrigation. Acta Horticulturae 1235: 337-344 [https://www.actahort.org/books/1235/1235\\_46.htm](https://www.actahort.org/books/1235/1235_46.htm)

- D. Feldmane, M. Madalina, M. Butac, V. Pole (2017) The effect of foliar boron application on flower bud winterhardiness, fruit set and fruit quality of sour cherries in Latvia. *Fruit Growing Research XXXII*: 47 – 52 <http://publications.icdp.ro/publicatii/lucrari%202017/II.2.%20Feldmane.pdf>
- D. Feldmane, S. Ruisa, V. Pole, M. Butac, M. Militaru (2017) Fruit set of several sour cherry cultivars in Latvia influenced by weather conditions before and during flowering. *Proceedings of the Latvian Academy of Sciences, Section B, Vol. 71 (2017), No. 3 (708): 178-183*  
<https://content.sciendo.com/view/journals/prolas/71/3/article-p178.xml>
- V. Pole, D. Feldmane and S. Ruisa. (2017). Estimation of chlorophyll and nitrogen status in sour cherries grown with woodchip mulch and drip irrigation. *Acta Horticulturae 1161: 435-442*  
DOI: 10.17660/ActaHortic.2017.1161.70  
<https://doi.org/10.17660/ActaHortic.2017.1161.70>
- D. Feldmane, S. Ruisa, E. Rubauskis and E. Kaufmane. 2016. Winter hardiness of sour cherries influenced by cultivar and soil moisture treatment. *Acta Horticulturae 1130:111-116*  
[http://www.actahort.org/books/1130/1130\\_16.htm](http://www.actahort.org/books/1130/1130_16.htm)
- Ikase L. (resp. red.) *Fruit-growing (Augļkopība) 2015* Latvia State Institute of Fruit-growing, p. 544 (book made by 30 co-authors including D. Feldmane as one of unit redactors)
- E. Rubauskis, M. Skrivele, S. Ruisa and D. Feldmane (2014) Growth and Yielding of Two Sweet Cherry Cultivars on Vegetatively Propagated Rootstocks. *Acta Horticulturae 1058: 657-661*  
[https://www.actahort.org/books/1058/1058\\_86.htm](https://www.actahort.org/books/1058/1058_86.htm)
- D. Feldmane (2014) Drip irrigation and woodchip mulch influence on growth and yield of young sour cherries. *Acta Horticulturae 1038: 531-537*. [http://www.actahort.org/books/1038/1038\\_66.htm](http://www.actahort.org/books/1038/1038_66.htm)
- D. Feldmane, I. Samsone, I. Krasnova (2013) Assessment of sour cherry (*Prunus cerasus* L.) cultivars in Latvia. *Acta Horticulturae 976: 115-120*. [http://www.actahort.org/books/976/976\\_13.htm](http://www.actahort.org/books/976/976_13.htm)
- D. Feldmane, S. Ruisa, I. Krasnova (2012) Effect of cultivar and growing system on the biochemical composition of sour cherries (*Prunus cerasus* L.) grown in Latvia. *Acta Horticulturae 932: 239-244*.  
[http://www.actahort.org/books/932/932\\_34.htm](http://www.actahort.org/books/932/932_34.htm)
- D. Feldmane (2010) Precocity of sour cherry cultivars influenced by using woodchip mulch and drip irrigation. *Proceedings of 16th annual international scientific conference "Research for Rural Development 2010"/ Latvia University of Agriculture, p. 48-55.*
- D. Feldmane, S. Ruisa (2008) The estimation of some sweet cherry (*Prunus avium* L.) hybrids at the Latvia State Institut of Fruit Growing. *Proceedings of international scientific conference „Sustainable Fruit Growing: From Plant To Product”/ Latvia State Institute of Fruit Growing, p. 38- 43.*