

DOCTORADO EN CIENCIAS AGROALIMENTARIAS

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Publicaciones (2018- presente)

1. **Fernandez, E.**, Do, H., Luedeling, E., Luu, T.T.G., Whitney, C. 2022. Prioritizing farm management interventions to improve climate change adaptation and mitigation outcomes — A case study for banana plantations. *Agronomy for Sustainable Development*, 42: 76. Q1.
2. **Fernandez, E.**, Schiffers, K., Urbach, C., Luedeling, E. 2022. Unusually warm winter seasons may compromise the performance of current phenology models — Predicting bloom dates in young apple trees with PhenoFlex. *Agricultural and Forest Meteorology*, 322: 109020. Q1.
3. Del Barrio, R., **Fernandez, E.**, Brendel, A., Whitney, C., Campoy, J., Luedeling, E. 2021. Climate change impacts on agriculture's southern frontier — Perspectives for farming in North Patagonia. *International Journal of Climatology*, 41: 726-742. Q2.
4. Delgado, A., Dapena, E., **Fernandez, E.**, Luedeling, E. 2021. Climatic requirements during dormancy in apple trees from northwestern Spain — Global warming may threaten the cultivation of high-chill cultivars. *European Journal of Agronomy*, 130:126374. Q1.
5. **Fernandez, E.**, Caspersen, L., Illert, I., Luedeling, E. 2021. Warm winters challenge the cultivation of temperate species in South America — a spatial analysis of chill accumulation. *Climatic Change*, 169:28. Q1.
6. **Fernandez, E.**, Krefting, P., Kunz, A., Do, H., Fadón, E., Luedeling, E. 2021. Boosting statistical delineation of chill and heat periods in temperate fruit trees through multi-environment observations. *Agricultural and Forest Meteorology*, 310: 108652. Q1.
7. Rojas, G., **Fernandez, E.**, Whitney, C., Luedeling, E., Cuneo, I. 2021. Adapting sweet cherry orchards to extreme weather events — Decision Analysis in support of farmers' investments in central Chile. *Agricultural Systems*, 187:103031. Q1.
8. Buerkert, A., **Fernandez, E.**, Tietjen, B., Luedeling, E. 2020. Revisiting climate change effects on winter chill in mountain oases of northern Oman. *Climatic Change*, 162(3): 1399–1417. Q1.
9. Fadón, E., **Fernandez, E.**, Behn, H., Luedeling, E. 2020. A conceptual framework for winter dormancy in deciduous trees. *Agronomy*, 10 (2): 241. Q1.
10. **Fernandez, E.**, Luedeling, E., Behrend, D., Van de Vliet, S., Kunz, A., Fadón, E. 2020. Mild water stress makes apple buds more likely to flower and more responsive to artificial forcing — Impacts of an unusually warm and dry summer in Germany. *Agronomy*, 10 (2): 274. Q1.
11. **Fernandez, E.**, Whitney, C., Cuneo, I., Luedeling, E. 2020. Prospects of decreasing winter chill for deciduous fruit production in Chile throughout the 21st century. *Climatic Change*, 159: 423–439. Q1.

DOCTORADO EN CIENCIAS AGROALIMENTARIAS

12. **Fernandez, E.**, Whitney, C., Luedeling, E. 2020. The importance of chill model selection — A multi-site analysis. *European Journal of Agronomy*, 119: 126103. Q1.
13. Valdebenito, D., Laca, E., **Fernandez, E.**, Saa, S. 2020. A network of shoots: effects of ontogeny and light availability on growth units in Chandler walnuts. *Trees*, 34 (1): 177–188. Q2.
14. **Fernandez, E.**, Cuneo, I., Luedeling, E., Alvarado, L., Farías, D., Saa, S. 2019. Starch and hexoses concentrations as physiological markers in dormancy progression of sweet cherry twigs. *Trees - Structure and Function*, 33 (4): 1187–1201. Q2.
15. **Fernandez, E.**, Baird, G., Farías, D., Oyanedel, E., Olaeta, J., Brown, P., Zwieniecki, M., Tixier, A., Saa, S. 2018. Fruit load in almond spurs define starch and total soluble carbohydrate concentration and therefore their survival and bloom probabilities in the next season. *Scientia Horticulturae*, 237: 269–276. Q1.

Proyectos con financiamiento externo últimos 5 años (adjudicado y/o ejecutado)