Eduardo Fernández Collao

Publicaciones (2017- presente)

1. Del Barrio, R., **Fernández, 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.

2. Delgado, A., Dapena, E., **Fernández, 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.

3. **Fernández, 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.

4. **Fernández, 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.

5. Rojas, G., **Fernández, 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.

6. Buerkert, A., **Fernández, 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.

7. Fadón, E., **Fernández, E.,** Behn, H., Luedeling, E. 2020. A conceptual framework for winter dormancy in deciduous trees. Agronomy, 10 (2): 241. Q1.

8. **Fernández, 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.

9. **Fernández, 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.

10. **Fernández, E.**, Whitney, C., Luedeling, E. 2020. The importance of chill model selection — A multi-site analysis. European Journal of Agronomy, 119: 126103. Q1.

11. Valdebenito, D., Laca, E., **Fernández, 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.

12. **Fernández, 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, 33 (4): 1187–1201. Q2.

13. **Fernández, 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.

14. Saa, S., **Fernández, E.,** Muhammad, S., Olivos, A., DeJong, T., Laca, E., Brown, P. 2017. Increases in leaf nitrogen concentration and leaf area did not enhance spur survival and return bloom in almonds (*Prunus dulcis* [Mill.] DA Webb). Acta Physiologiae Plantarum, 39 (4): 107. Q2.

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