

# GROUP NAME: AGRINNARA. PRE- AND POST-HARVEST INNOVATION IN CROPS OF INTEREST FOR THE AGRIFOOD SECTOR IN ARAGON

CODE: A24\_23R



The AGRINNARA group's objective is to contribute toward the **reconversion of the Aragonese agrifood sector**, strengthening its **resilience in the face of environmental factors** by implementing agricultural practices that promote the preservation of **biodiversity** and **improve the quality and preservation** of fruit and vegetable products, thereby increasing those products' **added value** and improving their **sustainability**.

## LINES OF RESEARCH

- **L1. PLANT MATERIAL AND SUSTAINABLE ALTERNATIVES FOR ITS CULTIVATION.**
  - A1.1. Preservation, genetic improvement, management, and exploitation of phyto-genetic resources.
  - A1.2. Evaluation and analysis of the effects of climate change on productivity and quality of fruit and vegetable crops
  - A1.3. Development of sustainable alternatives to products designed to protect synthesis plants.
- **L2. APPLICATION OF NEW PRE-HARVEST TECHNOLOGIES.**
  - A2.1. Precision agriculture
  - A2.2. Sustainable fertilization
  - A2.2. Optimization of truffle plantation management
- **L3. POST-HARVEST TECHNOLOGIES AND SENSORIAL ANALYSIS**
  - A3.1. Post-harvest technologies for the preservation of fruits and vegetables
  - A3.2. Sensorial analysis for the evaluation of the organoleptic profile of fruits and vegetables

## NOTABLE PROJECTS

- WarmPeach. Studying the impact of global warming and other climate factors on the growth, physiology, and post-harvest quality of non-melting flesh (NMF) peaches. PID2021-126629OR-C22 (2022-2025).
- EcoFruitPack. Evaluating quality and shelf life of fresh fruit stored under new, ecological, active packaging solutions. TED2021-129138B-C22 (2023-2024).
- Grupo de Cooperación de Aragón. INNOMEL: Technological and agronomical innovations to mitigate physiological disorders in late peach cultivars (2022-2025).
- Grupo de Cooperación de Aragón. Organization, valorization, and promotion of Aragonese black truffle (2022-2024).
- INTACT. INnovation in Truffle cultivation, preservAtion, proCessing and wild truffle resources management. H2020-MSCA-RISE-2020 (2022-2025).
- Solutions to Armillaria root rot threat affecting the U.S. stone fruit industry (2020-2024).
- Unraveling the role of environmental factors in black truffle quality: advancing towards the management of truffle quality in the field. PID2022-139407OR-I00. (2023-2027).

## MEMBERS

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