

Designação do projeto/Project title: GO – Biofortification of Rocha pear with calcium

Código do projeto/Project code: PDR2020-101-030738

Objetivo principal/Main objective: To obtain biofortified pear to improve this fruit the health potential

Região de Intervenção/Intervention region: NUTS II

Entidade beneficiária/Beneficiary entity: Instituto Superior de Agronomia, Universidade de Lisboa

Proponente/Proponent: Faculdade de Ciências e Tecnologia da Universidade NOVA de Lisboa

Outros parceiros/Other partners: Instituto Superior de Agronomia da Universidade de Lisboa, Instituto Nacional de Investigação Agrária e Veterinária, I.P., Empresa HBIO Lda., Frutalvor - Central Fruteira CRL, Ribamaior - Produção e Comércio de Frutas Lda., Agricultural University of Plovdiv (Bulgaria), Wageningen University (The Netherlands)

Data de aprovação/Approval date: 07-06-2017

Data de início/Beggining: 01-02-2017

Data de conclusão/Ending: 31-01-2021

Custo total elegível ISA/Elegible total cost ISA: 26784.30 € (ISA/ULisboa)

Apoio financeiro da União Europeia/European funding support: FEADER – 20088.38 € (ISA/ULisboa)

Site do projeto/Project site: https://sites.fct.unl.pt/bio_perarocha_calcio/

Resumo e Objectivos/Abstract and objectives: Calcium is the most abundant mineral on the human body, with severe health problems due to its deficiency, both in children and adults. Agronomic biofortification has been used as a practice to enrich some minerals in the edible plant parts, with positive impact to health, namely as regards calcium. Rocha pear (*Pyrus communis* L. cv. Rocha) is a DOP (Protected name of origin) from the West region in Portugal with an important economic value in exports. In order to improve the health potential of this fruit, it is proposed to identify the best way of calcium application (solution and doses), as well as to study the possible changes in the nutritional value and competitiveness of the value chain (including to increase the potential to export).

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