



Operational Group:

BioPest - Integrated strategies to fight against key pests in nut species.

BioPest - Estratégias integradas de luta contra pragas-chave em espécies de frutos secos



Supported by:



Practical problem

Plagues that cause high damages and have difficult control. There's a quarantine plague (*D. kuriphilus*) for which there isn't technical information or chemical substances to control them. Search alternative means of struggle that allow increase productivity, quality and sustainability of cultures.

Partners

Type:

Research/ Teaching

Name:

INIAV - Instituto Nacional de Investigação Agrária e Veterinária, I.P.; Inst. Politécnico de Bragança; Inst. Politécnico de Castelo Branco; Inst. Politécnico de Viana do Castelo ; Univ. Trás-os-Montes e Alto Douro; Centro Nacional Competências dos Frutos Secos

Agri association

Associação Agro-florestal e Ambiental da Terra Fria Transmontana; Associação Florestal do Lima; Asso. Florestal Vale Douro Norte; Associação Portuguesa da Castanha; Associação Regional dos Agricultores das Terras de Montenegro

Farmer

Filipe Rodrigues Pereira

Agri enterprise

Coop. Agrícola de Alfandega da Fé CRL; Coop. Agrícola de Penela da Beira CRL; Coop. Agrícola de Produtores de Frutos de Casca Rija CRL; Coop. dos Lavradores do Centro e Norte, CRL; Coop. Souto os Cavaleiros, CRL; Agro Rio Bom, LDA; Empresa Municipal de Desenvolvimento Rural de Vinhais

Project

Objectives:

It is intended to develop a set of plague protection studies and strategies to solve the chestnut, almond and walnut phytosanitary problems, through the biological protection of conservation and the application of biological and biotechnical control methods.

Expected results:

Increase the productivity and quality;
Obtain information to support the standards of almond, walnut and chestnut integrated production;
Elaborate technical flyers for the dissemination of biological and biotechnology means;
Prepare a manual of Good Agricultural Practices;
Establish an alert network about the population plague levels and combat methods. Adopt long-term technologies.

Results so far/first lessons:

Obtaining knowledge about bioecology of the chestnut, almond and walnut tree plagues, the risk periods, the evaluation of the necessity to adopt direct measures of combat and the opportunity of the interventions.
Involvement of nuts sector partners (producers, associations, cooperatives and companies) Organization/participation in "open days" and "workshops/seminars", to sensitize the producers.

Who will benefit:

The main beneficiaries and users of the knowledge are the nut producers and the technicians of the associations.



Start: April/2017
End: December/2020

Budget: 447.123 €



Contact: Albino António Bento
E-mail: bento@ipb.pt