

GOLDENLEAVES

Riferimenti

Tipo di progetto

Gruppo Operativo

Acronimo

AURUMFOLIUM

Tematica

Gestione dei sottoprodotti agricoli

Information

Time frame

2019 - 2022

Durata

26 months

Partners (no.)

6

Regione

Toscana

Comparto

Multifiliera

Localizzazione

ITI19 - Siena

ITI1A - Grosseto

Costo totale

€252.505,22

Fonte di finanziamento principale

Programma di sviluppo rurale

Programma di sviluppo rurale

2014IT06RDRP010: Italy - Rural Development

Programme (Regional) - Toscana

Parole chiave

Farming/forestry competitiveness and diversification

Landscape /land management

Biodiversity and nature management

Sito web

<https://www.aurumfolium.it/>

Project status

completed



Objectives

Transfer the scientific knowledge acquired on the cultivation of plants of the Mediterranean maquis to two farms that are planning to obtain plant tissues with high content in secondary metabolites, thus with potential nutraceutical actions, through agronomic practices with low environmental input. The species selected according to the farms, are: *Cistus incanus* (cistus), *Myrtus communis* (myrtle), *Pistacia lentiscus* (lentisk), *Arbutus unedo* (strawberry tree) and *Olea europaea* (olive tree). The derivatives obtained could find then application in food supplements, mother tinctures or hydroalcoholic extracts, infusions and / or decoctions, hydroalcoholic extracts.

Activities

- Optimization of cultivation in order to obtain leaves, flowers and fruits and a high content of interesting secondary metabolites for supplements and nutraceutical products;
- preparation of phyto-extracts on a pilot scale by the market as related ingredients, herbal products (herbal teas), foods (freeze-dried fruits) and / or as refinement of products from the local dairy system;
- for the strawberry tree: analysis of the best planting layout, pruning and irrigation-irrigation technique to be applied to obtain fruits with high nutritional value;
- for the olive tree: enhancement of waste products (leaves) as a source of herbal active ingredients (herbal teas)

Context

Official plants represent a constantly expanding market, in fact the use of functional food and food supplements has greatly increased in recent years and the Italian production of these species at the moment is not sufficient to

cover needs. In this context, two Tuscan farms, Olive Grove Partners (OGP) and Fattoria Pianporcino, have decided to diversify their business by introducing the cultivation of plants typical of the Mediterranean scrub from which to prepare phytoextracts (for food supplements or functional ingredients and / or aging of products from the local dairy system) or to be processed directly to formulate food supplements (herbal teas or freeze-dried). Mediterranean species are plants with a high content of polyphenols, secondary metabolites with proven nutraceutical and pharmacological activities.

Partenariato

Role	Azienda	Address	Telephone	E-mail
Leader	Azienda Agricola Olive Grove Partners S.r.l.	Via Citerni, 13 58020 Scarlino GR Italy	392 8835520	andrea@etrurio.com
Partner	CNR- Istituto per la Protezione Sostenibile delle Piante (IPSP)	Via Della Costa, 3 58012 Giglio Castello - Isola del Giglio GR Italy	055 4574024	cecilia.brunetti@ipsp.cnr.it
Partner	Università degli Studi di Firenze - Dipartimento di Scienze e Tecnologie Agrarie, Alimentari, Ambientali e Forestali (DAGRI)	Piazzale delle Cascine, 18 50144 Firenze FI Italy	055 2755700	direttore@dagri.unifi.it
Partner	Fattoria Agricola Pianporcino	Loc. Pianporcino, 109 53026 Pienza SI Italy	347 9117382	fattoriapianporcino@gmail.com
Partner	Cooperativa "Le Greppe" del Giglio	Via Della Costa, 3 58012 Giglio Castello - Isola del Giglio GR Italy	339 1356662	guidocossu@hotmail.it

Role	Azienda	Address	Telephone	E-mail
Partner	CAICT srl - Centro Assistenza Imprese Coldiretti Toscana	Viale Fratelli Rosselli 20 50123 Firenze FI Italy	055 32357213	caict.formazione.toscana@coldiretti.it

Pratiche abstract

Description

Based on the evidences found in the scientific literature, in 2017 the Department DAGRI of the University of Florence, following a request by Olive Grove Partners S.r.l. ('OGP') carried out tests on leaves of *Arbutus unedo* (Strawberry tree). The tests have shown the presence of numerous polyphenolic compounds which, thanks to their antioxidant properties, can confer leaves several properties to the leaf of some species, thus allowing their use in the nutraceutical and pharmaceutical industry. In previous years, DAGRI developed similar research on other Mediterranean shrubs highlighting multiple potential uses of some native species.

The AURUMFOLIUM project aims to transfer the scientific knowledge acquired by DAGRI on the cultivation of plants of the Mediterranean maquis to two farms that are planning to obtain plant tissues (leaves, flowers buds and fruits) with high content in secondary metabolites, thus with potential nutraceutical actions, through agronomic practices with low environmental input. The species selected according to the farms, are: *Cistus incanus* (cistus), *Myrtus communis* (myrtle), *Pistacia lentiscus* (lentisk), *Arbutus unedo* (strawberry tree) and *Olea europaea* (olive tree).

Link utili

Titolo/Descrizione	Url	Tipologia
Sito web del progetto	https://www.aurumfolium.it/	Sito web
Video intervista sul progetto 'Aurumfolium' finanziato dal Psr della Regione Toscana	https://www.youtube.com/watch?v=2DJSPcgbVos	Materiali utili
La Relazione Finale del progetto	https://www.aurumfolium.it/wp-content/uploads/2023/06/Relazione-Finale-Progetto...	Materiali utili