

Gaining of Olive Productivity by Artificial Pollination

Riferimenti

Tipo di progetto

Gruppo Operativo

Acronimo

OLIMPOLLI MONTAGNANI

Tematica

Agricoltura di precisione

Information

Time frame

2019 - 2022

Durata

44 months

Partners (no.)

7

Regione

Toscana

Comparto

Olivicoltura

Localizzazione

ITI19 - Siena

ITI1A - Grosseto

Costo totale

€363.159,62

Fonte di finanziamento principale

Programma di sviluppo rurale

Programma di sviluppo rurale

2014IT06RDRP010: Italy - Rural Development

Programme (Regional) - Toscana

Parole chiave

Farming equipment and machinery

Farming practice

Plant production and horticulture

Sito web

<https://www.olimpolli.eu/>

Project status

completed



Objectives

Raising the productivity of olive groves and farm production through artificial pollination carried out with precision farming tools, reducing the alternation of production and the impact of favorable climatic events that may occur during flowering. Improve the overall agronomic management of the soil / plant system in regional olive groves, both in dry and irrigated areas, to support any increase in plant productivity.

Activities

The work will be done by selecting orchards representative of the whole regional olive sector including characteristic cultivar such as Olivastra Seggianese and dry and irrigated planting.

The pollen will be collected by two different approach:

- directly operated by the farmers;
- operated by specialized private company which will guarantee the future service to a large number of farmers in case of good result.

The pollen distribution will be performed by two different systems:

- manually by the farmers using small appliances;
- automated by innovative drones with selected operative flight routes calibrated for each orchard.

Farmers will be trained and the results disseminated.

Context

This project want to address the problem of the low fruit set in olive plant by the use of pollen to be distributed within the olive grove (artificial pollination).

This practice, normally used in kiwi or apple fruit has been used on olive only locally over a small set of monocultivar plants. From a general point of view a small increasing in fruit set (normally estimated around 1-3%) would produce a 20-25% fruit weight increase of the orchard. The increase of the productivity could be possible in each Tuscan olive grove also the traditional ones, without any deep transformation or technical revolution.

By the project our group wants to test within several "model farm" how to check the blooming time, how to apply external pollen analyzing pro and cons of the practice also at the economical level.

Partenariato

Role	Azienda	Address	Telephone	E-mail
Leader	CAICT srl - Centro Assistenza Imprese Coldiretti Toscana	Viale Fratelli Rosselli 20 50123 Firenze FI Italy	055 32357213	caict.formazione.toscana@coldiretti.it
Partner	Università di Siena - Dipartimento di Scienze della vita	Via Aldo Moro, 2 53100 Siena SI Italy	0577 235480	amministrazione.dsv@unisi.it
Partner	CNR-IVALSA (Istituto per la Valorizzazione del Legno e delle Specie Arboree)	Via Biasi 75 38010 San Michele all'Adige TN Italy	0461 660111	info@ivalsa.cnr.it
Partner	Impresa Verde Siena srl	Viale Europa 15 53100 Siena SI Italy	0577 46006	siena@coldiretti.it
Partner	Società agricola Tenuta Montagnani	Loc. Casale 35/36 53037 San Gimignano SI Italy	346 7514155	tenutamontagnani@gmail.com
Partner	Olearia Santella di Santella Massimo	Piazza Colonna 5 58033 Castel del Piano GR Italy	348 7792802	oleariasantella@gmail.com
Partner	Impresa Verde Grosseto srl	Via Roccastrada 2 58100 Grosseto GR Italy	0564 43891	cristian.serra@coldiretti.it

Pratiche abstract

Link utili

Titolo/Descrizione	Url	Tipologia
Sito web del progetto	https://www.olimpolli.eu/	Sito web
Video - OLIO: IMPOLLINATORI 2.0, IL PROGETTO OLIMPOLLI DI COLDIRETTI-CNR	https://www.youtube.com/watch?v=hl4lnGXMuY	Materiali utili
Rollup del progetto OLIMPOLLI	https://www.olimpolli.eu/roll-up-olimpolli/	Materiali utili
Relazione finale	https://www.olimpolli.eu/wp-content/uploads/2023/05/GO-OLIMPOLLI-MONTAGNANI-Rel...	Materiali utili
Report prima impollinazione	https://www.olimpolli.eu/wp-content/uploads/2020/11/Resoconto-Olimpolli-MOD2.pdf	Materiali utili