

Biodiversity and valorisation of horticulture and ecosystems in typical production areas.

Riferimenti

Tipo di progetto

Gruppo Operativo

Acronimo

BIOFUTURE

Tematica

Biodiversità

Information

Time frame

2019 - 2023

Durata

48 months

Partners (no.)

14

Regione

Veneto

Comparto

Multifiliera

Localizzazione

ITH34 - Treviso

ITH35 - Venezia

ITH36 - Padova

Costo totale

€366.925,00

Fonte di finanziamento principale

Programma di sviluppo rurale

Programma di sviluppo rurale

2014IT06RDRP014: Italy - Rural Development

Programme (Regional) - Veneto

Parole chiave

Fertilisation and nutrients management

Biodiversity and nature management

Agricultural production system

Sito web

<https://biofuture.it/>

Project status

completed

Objectives

The problem is the conservation of soil biodiversity. Store yields in horticultural crops. In the field of horticultural products, the individual cultivation management techniques that conserve biodiversity with environmental, economic and social resources. The objectives are:

- create a biodiversity conservation model in agro-ecosystems;
- define codifiable and certifiable technical lines;
- promote low impact agronomic practices;
- increase the resilience of agro-ecosystems.

The expected results are: reduction of chemical fertilizers, use of low impact techniques, increase of the natural fertility of the soils. A "handbook" will be drawn up.

Partenariato

Biodiversità e valorizzazione dell'ortofrutta e degli ecosistemi nelle aree tipiche di produzione

<https://www.innovarurale.it/pei-agri/gruppi-operativi/bancadati-go-pei/biodiversita-e-valorizzazione-dellortofrutta-e-degli>

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Role	Azienda	Address	Telephone	E-mail
Leader	Organizzazione Produttori Ortofrutticoli Veneto	Via Bellini, 2 31059 Zero Branco TV Italy	0422 345164	info@ortoveneto.it
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Partner	Università degli Studi di Padova - Dipartimento di Agronomia Animali Alimenti Risorse Naturali e Ambiente (DAFNAE)	Viale dell'Università 16 35020 Legnaro PD Italy	049 8272664	ricerca.dafnae@unipd.it
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Partner	Società Agricola Tenuta al Parco S.S.	Via San Martino, 24/B 31050 Morgano TV Italy	338 8129534	tenutalparco@libero.it

Pratice abstract

Description

The project promotes a model for Veneto region, where agriculture and residential land coexist, and some high-quality productions are being run: Treviso and Chioggia red chicory, Lettuce, Asparagus, Kiwi. Combine biodiversity development and protection is the most important way towards sustainability, and if soil is a major biodiversity container, a main strategy to regenerate both is cover cropping.

We propose to farmers this innovation together with conservative tillage methods to improve soil biodiversity, soil fertility, carbon sequestration and water cycle improvement. Moreover, practices like the use of mycorrhizal fungi and other beneficial microorganisms (BCA), or buffer strips and hedges will be improved, i.e. using flowering species.

Soil fertility analysis will focus on: organic matter quantification and functional assay; microbial activity assessed with the Fertimetro tool (PCT/IB2012/001157); microbial diversity via DNA quantification and amplification. Organic matter increase takes time, while biological activity can rapidly suggest regenerative path starting.

Cover crops, pesticides reduction and landscape improvement impacts also insect biodiversity, positively or negatively; it will be analyzed with the Biodiversity Friend protocol for soil (IBS-bf), water (IBA-bf), air (IBL-bf) and monitoring of target groups (Apoidea or Coleoptera).

In this 3-years project, we aim to create a model to valorize biodiversity in agroecosystems; enhance “low-impact-high-improving” practices that increase healthy and fertile soil able to produce nutrients dense food; increase productivity, agroecosystems resilience, and finally farms profitability. New technical lines will be collected in a handbook.

Link utili

Titolo/Descrizione	Url	Tipologia
Project website	https://biofuture.it/	Sito web
DAFNAE - UNIPD	https://www.dafnae.unipd.it/ricerca/progettidi-ricerca/biofuture	Link ad altri siti che ospitano informazioni del progetto
Biodiversity Association	https://biodiversityassociation.org/it/cosafacciamo/progetti/ricerca/biofuture/	Link ad altri siti che ospitano informazioni del progetto
BIOFUTURE youtube video	https://www.youtube.com/watch?v=wHr5whvka_c	Materiali utili
Demo-event - 11/11/21	https://www.youtube.com/watch?v=-UCFOK3JlI8&t=30s	Materiali utili
Demo-event - 16/06/21	https://www.youtube.com/watch?v=WP2UbCQHL8Y&t=10s	Materiali utili
Demo-event - 25/05/22	https://www.youtube.com/watch?v=Obi5_HI3zoE&t=3s	Materiali utili
The interactive approach to innovation: the OG experience	https://www.youtube.com/watch?v=odGcnz7nlHo	Materiali utili