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

Role	Azienda	Address	Telephone	E-mail
Leader	Organizzazione Produttori Ortofrutticoli Veneto	Via Bellini, 2 31059 Zero Branco TV Italy	0422 345164	info@ortoveneto.it
Partner	Coldiretti Veneto	Via Torino 180 30172 Mestre VE Italy	0415455260	veneto@coldiretti.it
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
Partner	CRPV Soc. Coop. Centro Ricerche Produzioni Vegetali	Via dell’Arrigoni 120 47522 Cesena FC Italy	0547313571	ortofrutticola@crpv.it
Partner	WBA Project srl Unipersonale Impresa Sociale	Via Mantovana, 90/F 37100 Verona VR Italy	347 9736285	wba-project@libero.it
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Role	Azienda	Address	Telephone	E-mail
Partner	Società Agricola Agostini Vittorio & C.	Via Lovo, 1 35020 Correzzola PD Italy	340 7779963	societa.agricola.agostini@gmail.com
Partner	Ortoflorovivaismo dei F.lli Daminato S.S- Soc. Agr	Via Vignola, 11/B 31037 Loria TV Italy	348 5323691	flli.daminato@gmail.com
Partner	Società Agricola Insalata Plus S.S.	Via Garzare, 1281 45020 Lusia RO Italy	348 5323691	insalatiera@gmail.com
Partner	Società Agricola S. Giorgio S.S	Via Pitter, 9 31100 Quinto di Treviso TV Italy	335 5390304	societa.agricola.agostini@gmail.com
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=-UCFOK3JII8&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