Use of recycled matrixes as fertilizer for vegetable organic crops. An approach to the improvement of circular economy of the territory.

Riferimenti
Tipo di progetto
Gruppo Operativo

Acronimo
BIOFERTIMAT

Tematica
Agricoltura biologica

Information
Time frame
2018 - 2021

Durata
47 months

Partners (no.)
11

Regione
Veneto

Comparto
Multifiliera

Localizzazione
ITH31 - Verona
ITH36 - Padova

Costo totale
€703.200,00

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
Waste, by-products and residues management
Farming practice

Sito web
http://www.biofertimat.eu/

Project status
completed

Objectives
BIOFERTIMAT aims at identifying the most suitable organic matrices and their optimal distribution protocol, to be used as alternative to mineral fertilization for vegetables and fruit production in Veneto (Italy). This will bring several environmental, agronomical and economic benefits including: 1) reduction of nitrogen leaching and water table pollution; 2) encouragement of the replacement of chemical fertilizers with organic matrices; 3) improvement of soil fertility and water holding capacity; 4) promotion of the circular economy with the use of local waste-products; 5) climate change mitigation, through the improvement of soil carbon sequestration.

Activities
BIOFERTIMAT activities will identify the best organic matrices to be used as alternative fertilizers, along with their distribution protocol. Matrices will be tested both on vegetables and fruit crops, while effects on soil features and on crop productive performances will be assessed. The potential benefits on final fruit quality will be determined both in experimental and on-farm trials. The OG activities will include coordination, growers training and results dissemination, also through the EIP-Agri network.

Partenariato

Role	Azienda	Address	Telephone	E-mail
Leader	Agrintesa s.c.a.	Via G. Galilei 15 48018 Faenza RA Italy	0546 619111	agrintesa@agrintesa.com
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	Dipartimento di Scienze e Tecnologie Agro-Alimentari - DISTAL | Università di Bologna	Viale Fanin 44 40127 Bologna BO Italy	051 2096240	distal.amm.dipartimento.respammgest@unibo.it
Partner	Brio s.p.a.	Via Manzoni 99 37059 Zevio VR Italy	045 8951726	a_bertoldi@briospa.com
Partner	A.VE.PRO.BI. - Associazione veneta dei produttori biologici e biodinamici	Via Adamello, 6 37069 VILLAFRANCA DI VERONA VR Italy	045 8731679	info@aveprobi.it
Partner	Confindustria Veneto SIAV s.p.a.	Via Torino 151/c 30172 Mestre VE Italy	041 2517511	area.servizi@siav.net
Partner	Azienda Agricola Dal Fior Annamaria	VIA MEZZACAMPAGNA, 36 37135 VERONA VR Italy		

Role	Azienda	Address	Telephone	E-mail
Partner	Azienda Agricola Bauer Andreas	STRADA DELLA BAGOLINA, 3 (FRAZ. PACENGO) 37017 LAZISE VR Italy		
Partner	Azienda Agricola Corte All'Olmo Di Brutti Vanda	VIA CANOVA TORO, 39/A (LOC. CA' DI DAVID) 37135 VERONA VR Italy		info@corteallolmo.it
Partner	Azienda Agricola Zenti Franco	Via Tondello, 7, 37063 Isola della Scala VR Italy		
Partner	Azienda Agricola Simone Bazzoni	VIA TOFFANELLE NUOVE, 43 37059 ZEVIO VR Italy		

Pratice abstract

Description
Optimize the agronomical management of horticultural crops through a sustainable approach, which includes the re-use of resources from the previous cycle, named by-products of agri-food processed in the area, with benefits in the transport costs with the aims of: 1) stimulate the circular economy of the territory with the involvement of the agri-food industry, 2) increase the environment preservation and the health of growers and inhabitants of urban areas next to the cultivation fields, 3) increase the skills of growers.

Description
The innovation includes the exploitation of organic by-products (wastes from agrifood process), that otherwise go to a disposal process, as a fertilizer source in highly sustainable commercial horticultural crops, with positive implications interm of quality, storage and marketability of fruits and vegetbles. This approach contributes to mitigate the detrimental effect induced by greenhouse gas emission, through the permanent carbon sequestration in agricultural soils, with environmental benefits for the whole society

Description
Setting a protocol for the fertilization management of the soils of the Verona province, aimed at: 1) optimization of the yield and fruit quality of hoticultural ecosystems, 2) Environmental preservation and 3) food safety

Link utili

Titolo/Descrizione	Url	Tipologia
Website	http://www.biofertimat.eu	Link ad altri siti che ospitano informazioni del progetto
Pagina web del progetto	https://www.aveprobi.org/progetti/biofertimat/	Link ad altri siti che ospitano informazioni del progetto
PIEGHEVOLE PROGETTO	http://www.biofertimat.eu/wp-content/uploads/2019/02/Pieghevole-progetto.pdf	Materiali utili
stato nutrizionale frutticole 2018	http://www.biofertimat.eu/wp-content/uploads/2019/06/Stato_nutrizionale_2018_fr...	Materiali utili
Newsletter febbraio 2019	http://www.biofertimat.eu/wp-content/uploads/2019/02/BIOFERTIMAT_newsletter_feb...	Materiali utili
Newsletter Gennaio 2020	http://www.biofertimat.eu/wp-content/uploads/2020/12/BIOFERTIMAT_newsletter_gen...	Materiali utili
Newsletter Febbraio 2020	http://www.biofertimat.eu/wp-content/uploads/2020/12/BIOFERTIMAT_newsletter_feb...	Materiali utili
Primo report progetto feb 2019	https://www.aveprobi.org/wp-content/uploads/2019/02/BIOFERTIMAT-Primo-report-pr...	Materiali utili
stato di avanzamento settore Frutticolo	http://www.biofertimat.eu/wp-content/uploads/2019/02/Biofertimat_-stato-di-avan...	Materiali utili
Canale YouTube del progetto BIOFERTIMAT	https://www.youtube.com/channel/UC945ZSSlCvYpGuM8H1-Ifmg/featured	Materiali utili
Handook operativo per addetti del settore	http://www.biofertimat.eu/wp-content/uploads/2021/12/BIOFERTIMAT_Handbook_Final...	Materiali utili

Titolo/Descrizione	Url	Tipologia
Postet del progetto BIOFERTIMAT	https://www.reterurale.it/flex/cm/pages/ServeAttachment.php/L/IT/D/a%252Fc%252F...	Materiali utili
Informazioni sul progetto BIOFERTIMAT (piattaforma TP Organics)	https://tporganics.eu/biofertimat	Link ad altri siti che ospitano informazioni del progetto
Articoli a carattere tecnico-divulgativo	https://agronotizie.imagelinenetwork.com/fertilizzanti/2019/12/09/ortofrutta-bi...	Materiali utili
Ortofrutta bio fertilizzata con matrici da riciclo Le innovazioni della misura 16 del Psr;	https://www.freshpointmagazine.it/biologico/biofertimat-concimazione-matrici-or...	
Video del Convegno finale	https://www.youtube.com/channel/UC945ZSSlCvYpGuM8H1-Ifmg/featured	Materiali utili
BIOFERTIMAT Handbook Finale	http://www.biofertimat.eu/wp-content/uploads/2021/12/BIOFERTIMAT_Handbook_Final...	Materiali utili
Newsletter Convegno Finale	http://www.biofertimat.eu/wp-content/uploads/2021/11/BIOFERTIMAT_newsletter_n-5...	Materiali utili