

Valutare e definire tecniche agronomiche innovative, per ridurre lisciviazione di minerali nel terreno e ottimizzare il controllo di avversità in ecosistema frutticolo

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<https://www.innovarurale.it/pei-agri/gruppi-operativi/bancadati-go-pei/valutare-e-definire-tecniche-agronomiche-innovative>

Evaluate and define innovative farming techniques, to reduce leaching of minerals in the soil and optimize the control of adversity in ecosystem fruit

Riferimenti

Tipo di progetto

Gruppo Operativo

Tematica

Agricoltura di precisione

Information

Time frame

2016 - 2020

Durata

48 months

Partners (no.)

4

Regione

Emilia-Romagna

Comparto

Frutticoltura

Localizzazione

ITH56 - Ferrara

Costo totale

€297.377,99

Fonte di finanziamento principale

Programma di sviluppo rurale

Programma di sviluppo rurale

2014IT06RDRP003: Italy - Rural Development

Programme (Regional) - Emilia Romagna

Parole chiave

Climate and climate change

Fertilisation and nutrients management

Soil management / functionality

Water management

Farming equipment and machinery

Farming practice

Plant production and horticulture

Sito web

<http://www.hkconsulting.it/misura-16/>

Project status

completed



Objectives

Plan a rational and precise application of productive inputs (irrigation, fertilizers, plant growth regulators and workforce) with regard to: space, intensity and timing;

Verify the economic and environmental sustainability of any agronomic practice comparing "precise" and "traditional" management;

Check the environmental impact of both management methods bringing out, through productivity and soil fertility maps, the evolution of the same orchard subject to these management methods and the differences due to the application of the two methods, after two years of application.

Activities

Define "productive potential" through a georeferenced analytical survey of: soil fertility, vegetative and productive characteristics of plants, identify possible correlations with their real productivity. Detect the conditioning factors of productivity through georeferenced maps and define technical approach to improve the limiting situations. Set and apply a Precision Fruit crop management through the use of innovative products, intervening in compliance with DSS suggestion. Assess the environmental performance and outline repeatable procedures for managing Precision Fruit crop management through the use of highly innovative technologies and products.

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Partenariato

Role	Azienda	Address	Telephone	E-mail
Leader	Società Agricola Mazzoni ss	Via del Mare 4 44039 Tresigallo FE Italy	0533607511	s.agricolamazzoni@pec.mazzonigroup.com
Partner	DINAMICA s.c.a r.l.	Via Bigari 3 40128 Bologna BO Italy	051 360747	info@dinamica-fp.it
Partner	HK-Horticultural Knowledge s.r.l.	Viale Giuseppe Fanin 48 40127 Bologna BO Italy	051 6336639	HK@PEC.IT

Pratiche abstract

Description

a) Project objective:

this project aims to identify the spacial variability of soil and productive parameters, using these information for a "Precise Management" in comparison of a "Traditional Management". The expected results are:

- planning a rational and clear management, in space, in intensity and timing of application of productive inputs.
- Verify the economic and environmental sustainability of every agronomic practice
- Check the environmental impact of both management methods

This Plan brings the actions related to the implementation to all operational objectives of the FA 4B.

• Expected results summary

FP procedures will be developed for application in fruit farms.

It is believed that the project will highlight the potential in terms of environmental efficiency of FP techniques, with the necessary assessment of productivity, in terms of both quality and quantity.

The diffusion of the advantages of this type of agriculture will be a correct premise for saving water and for the reduction of the use of polluting substances.

Activity description

Actions connected to the realization

- Action 2: defining of the "productive potential"
- Action 3: measure the conditioning factors of productivity through georeferenced maps and define the technical approach to improve the limiting situations.
- Action 4: Set and apply a management based on modes of fruit farming through the use of innovative products, intervening only where, how and when defined with DSS.
- Action 5: Value the environmental performances and define repeatable procedures for a management based on Precision Fruit Farming modalities.

Link utili

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Titolo/Descrizione	Url	Tipologia
Pagina web	http://www.hkconsulting.it/misura-16/	Link ad altri siti che ospitano informazioni del progetto
Sito web del progetto	https://www.mazzonigroup.com/produzione-agricola/psr-2014-2020/misura-16-1-01-f...	Sito web
Relazione tecnica finale del progetto	https://www.mazzonigroup.com/wp-content/uploads/2020/04/relazion-tecnica-online...	Materiali utili