

La Quinoa (*Chenopodium quinoa* Willd.): un'alternativa, redditizia e sostenibile, per la produzione sfarinati glutenfree a basso indice glicemico

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<https://www.innovarurale.it/pei-agri/gruppi-operativi/bancadati-go-pei/la-quinoa-chenopodium-quinoa-willd-unalternativa>

QUINOVATION: Quinoa (*Chenopodium quinoa* Willd.): a profitable and sustainable alternative choice for production of low glycemic

Riferimenti

Tipo di progetto

Gruppo Operativo

Acronimo

QUINOVATION

Tematica

Biodiversità

Information

Time frame

2016 - 2018

Durata

24 months

Partners (no.)

9

Regione

Emilia-Romagna

Comparto

Orticoltura

Localizzazione

ITH51 - Piacenza

ITH52 - Parma

Costo totale

€355.056,00

Fonte di finanziamento principale

Programma di sviluppo rurale

Programma di sviluppo rurale

2014IT06RDRP003: Italy - Rural Development

Programme (Regional) - Emilia Romagna

Parole chiave

Supply chain, marketing and consumption

Biodiversity and nature management

Water management

Plant production and horticulture

Sito web

<https://www.stuard.it/quinovation/>

Project status

completed



Objectives

Quinoa is a traditional Andean crop. The seeds produced, particularly rich in starch and protein, have a low or zero content of gluten; nutritional properties make Quinoa particularly suitable for diets of people with celiac disease or in need of low-glycemic foods. In order to search for alternative crops and highly nutritious foods, the objectives of the proposed project are: 1) to develop and test the adaptability of different Quinoa genotypes; 2) find the most suitable technique for intensive cropping and determine the correct seedling density. 3) check the nutritional content and functional characteristics of Quinoa; 4) encourage the development of food products resulting from Quinoa.

Activities

Initial characterization of soils. Cultivation trials with variety comparison. Sowing method to close and/or spaced rows (with weeding and ridging). Mechanization tests. Crop cycle monitoring: phenological phases, development of weeds, pests, plant height, yield and quality parameters of grain, seed cleaning trials in post-harvest. For each farm annually report which will record all the results obtained (products, technical and operational data, costs, agronomic data, ...) and will look at improvements for the following year.

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Partenariato

Role	Azienda	Address	Telephone	E-mail
Leader	Università Cattolica del Sacro Cuore - Dipartimento di Scienze delle produzioni vegetali sostenibili (DI.PRO.VE.S.) - Piacenza	Via Emilia Parmense 84 29122 Piacenza PC Italy	0523 599269	diproves-pc@unicatt.it
Partner	Agriform s.c.a.r.l.	Via Torelli 17 43123 Parma PR Italy	0521 244785	info@agriform.net
Partner	Eredità dal passato	Via Ballerino 2 43022 Montechiarugolo PR Italy	335 607 0640	info@ereditadalpassato.it
Partner	Azienda Agraria Sperimentale Stuard S.c.r.l.	Via Madonna dell'Aiuto 7/A 43126 San Pancrazio PR Italy	0521 671569	stuardscrl@arubapec.it
Partner	Azienda Agraria Sperimentale Tadini	Località Gariga 29027 Podenzano PC Italy	0523 523032	tadini@aziendatadini.it
Partner	Azienda Agri D.A.F. di Agostino e Giorgio Fioruzzi	Via Privata Fioruzzi 1 29019 San Giorgio Piacentino PC Italy	0523 371421	dafal@dafal.it
Partner	Molino Dalla Giovanna	Via Madonna del Pilastro 2 29010 Gragnano Trebbiense PC Italy	0523 787155	andrea@dallagiovanna.it
Partner	Podere Cristina di Cipelli Valentina	Via Monchio di Mulazzano 4 43037 Lesignano Bagni PR Italy	0521 852741	valentina@poderecristina.it

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Role	Azienda	Address	Telephone	E-mail
Partner	Terre Della Valtrebbia Società Agricola	Località Quarto Gossolengo Banco 139 29020 Piacenza PC Italy	335 6817515	terredellavaltrebbia@gmail.com

Pratiche abstract

Description

The cultivation of Quinoa, inserted properly in a multi-year rotation plan, would reduce some of problems generated by monoculture practices, thanks to the characteristics of hardness that characterize it. Furthermore, it could give a valuable contribution to agricultural profitability, thanks to the potential economic advantage of an alternative agricultural product which belongs to the chain of gluten-free foods. The idea is to offer a new alternative for crop rotation, to obtain experimental information on the growing cycle of Quinoa and to study its potential to adapt to the climatic conditions of the Emilia-Romagna region. The main expected results are: 1- Identification of efficient farming techniques for the production of Quinoa in field; 2- Determination of crop requirements and patterns of action for weed control; 3- Study of a mark of plantation suitable for an intensive cultivation in Italian conditions; 4- Assessment of Quinoa phenological phases, time of ripening and harvesting calendars (in traditional and organic agricultural system).

Link utili

Titolo/Descrizione	Url	Tipologia
Progetti di ricerca Quinovation	http://dipartimenti.unicatt.it/diprovesprogetti-di-ricerca-quinovation	Sito web
Presentazione del progetto	http://dipartimenti.unicatt.it/diprovesdiproves_progetto_QUINOVATION.pdf	Materiali utili
news on local online magazine	http://www.ilpiacenza.it/salute/alimentazione-e-salute-con-i-cereali-ce-n-e-per...	Materiali utili
news on online magazine about agriculture	https://agronotizie.imagelinenetwork.com/vivaismo-e-sementi/2018/03/13/coltivaz...	Link ad altri siti che ospitano informazioni del progetto
Sito web del progetto	https://www.stuard.it/quinovation/	Sito web

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