

Saving and conservation of nitrogen in agricultural systems with pigs

Riferimenti

Tipo di progetto

Gruppo Operativo

Acronimo

RISCOSSA

Tematica

Emissioni di inquinanti e gas serra

Information

Time frame

2016 - 2019

Durata

36 months

Partners (no.)

4

Regione

Emilia-Romagna

Comparto

Zootecnia - suini

Localizzazione

ITH53 - Reggio nell'Emilia

ITH54 - Modena

Costo totale

€351.393,00

Fonte di finanziamento principale

Programma di sviluppo rurale

Programma di sviluppo rurale

2014IT06RDRP003: Italy - Rural Development

Programme (Regional) - Emilia Romagna

Parole chiave

Animal husbandry and welfare

Fertilisation and nutrients management

Soil management / functionality

Sito web

http://riscossa.crpa.it/nqcontent.cfm?a_id=1474

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Project status

completed



Objectives

To develop and spread a sustainable pig farm model, environmental and economic, in the Modena areas where groundwater and surface water pollution are relevant and in nitrate vulnerable zones.

Specific objectives are:

- pig feeding techniques that allow to reduce nitrogen excretion and contain the environmental impact, especially on water;
- conservation agriculture with the correct management of slurry and the production of crops to increase the farm self-sufficiency.

Activities

- Cooperation and sharing of information, data and resources among the project participants needed to project activities;
- study and application of multiphase diets with reduced excretion of nitrogen;
- pig slurry utilization in rotations performed with conservation agriculture techniques and evaluation of agronomic and environmental benefits;
- raise awareness and inform stakeholders through training and dissemination activities.

Partenariato

Role	Azienda	Address	Telephone	E-mail
Leader	Fondazione CRPA Studi Ricerche	Viale Timavo 43/2 42121 Reggio Emilia RE Italy	0522- 436999	info@fondazionecrpa.it
Partner	Azienda Agricola Spaggiari Daniela	Via Nino Bixio 33 41059 Zocca MO Italy		spaggiari@outlook.it
Partner	C.R.P.A. S.p.A.	V.le Timavo 42/2 42121 Reggio Emilia RE Italy	0522 436999	info@crpa.it
Partner	CREA - ZA - Modena	Via Beccastecca, 345 41018 San Cesario sul Panaro MO Italy	059- 926268	za.modena@crea.it

Pratiche abstract

Description

The plan for innovation concerns the transfer of knowledge from research to develop good farming practices reducing the environmental impact of the heavy pigs farming sector.

The expected results for the pig farms are:

- definition and verification of a multi-phase feeding plan to use in heavy pigs (weaning to sending slaughter) according to the recommendations of the BREF. The nitrogen yield, the excretions (nitrogen balance), the productivity of pigs and the suitability and quality of meat for a PDO will be verified;
- the verification of the reduction of the lysine and protein levels to which you can tend to the heavy pig. It can be made only under experimental conditions, because the diet is out of the limits set by the PDO regulations. The possibility of using a diet with a ratio of lysine / raw proteins max - 7.5 grams of lysine / 100 grams of raw proteins - based on grains and synthetic amino acids will be evaluate.

The expected agronomic results are:

- demonstration of what can be the agronomic (improved fertility, structure and nitrogen use) and environmental benefits (reduction of nitrogen emissions in the atmosphere and leaching) due to the application of conservation agriculture techniques in a pig farm that use slurry to fertilize crops and produce cereals to increase the farm self-sufficiency.

Link utili

Titolo/Descrizione	Url	Tipologia
RISCOSSA	http://www.riscossa.crpa.it	Sito web
CRPA	http://www.crpa.it	Altro

Titolo/Descrizione	Url	Tipologia
Fondazione CRPA	http://www.fondazionecrpa.it	Altro
GOI CRPA	http://goi.crpa.it	Altro
Su Agronotizie i risultati del progetto Riscossa	https://agronotizie.imagelinenetwork.com/zootechnia/2019/12/09/quando-il-suino-e...	Materiali utili
Opuscolo con i risultati del progetto	http://riscossa.crpa.it/nqcontent.cfm?a_id=19880	Materiali utili
I benefici ambientali non influiscono sulla produzione - Articolo	http://riscossa.crpa.it/nqcontent.cfm?a_id=20604	Materiali utili
Riscossa nel dossier di Suinicoltura su "Gestione moderna dei reflui"	https://suinicoltura.edagricole.it/allevamento/suinicoltura-sostenibile-per-le-...	Materiali utili
Riscossa in un video clip	http://riscossa.crpa.it/nqcontent.cfm?a_id=19825&tt=t_bt_app1_www	Materiali utili