

## Strategies for the elimination of the use of antibiotics in beef industry

### Riferimenti

Tipo di progetto

Gruppo Operativo

Acronimo

AntibioticFreeBeef

Tematica

Benessere animale

Information

Time frame

2018 - 2020

Durata

24 months

Partners (no.)

5

Regione

Veneto

Comparto

Zootecnia - bovini/bufalini

Localizzazione

ITH36 - Padova

Costo totale

€560.368,23

Fonte di finanziamento principale

Programma di sviluppo rurale

Programma di sviluppo rurale

2014IT06RDRP014: Italy - Rural Development

Programme (Regional) - Veneto

Parole chiave

Animal husbandry and welfare

Farming/forestry competitiveness and diversification

Farming practice

Food quality / processing and nutrition

Sito web

<http://www.azove.it/progetti-speciali/antibiotic-free-beef>

Project status

completed



### Objectives

The main goal of the project is to increase the profitability of the beef industry by: i) decreasing costs related to the use of antibiotics, (ii) improving animal welfare and biosafety under rearing conditions, (iii) producing a new type of beef product ('antibiotic free'), (iv) requalifying the beef industry image towards public opinion. In particular, animal welfare and biosafety, can be improved across the investigation of new management practices, dietary supplementation and strategies, in order to establish an efficient alternative to the antibiotic use.

### Activities

The overall aim of the project is to enhance the profitability of farmers and reduce the use of antibiotic. The following activities will be carried out: (i) study of the use of antibiotics in the beef farms of the Veneto region (ii) study of innovative welfare, feeding and management condition to reduce the use of antibiotics (iii) identification and implementation of guidelines for the production of antibiotic free beef.

## Partenariato

| Role    | Azienda  | Address  | Telephone   | E-mail                      |
|---------|--|--|-------------|-----------------------------|
| Leader  | Azove - Organizzazione produttori carni bovine   | Via Vallancon nord<br>12<br>35045 Ospedaletto<br>Euganeo PD<br>Italy | 0429 679277 | segreteria@azove.eu         |
| Partner | Università degli Studi di Padova - Dipartimento di Agronomia Animali Alimenti Risorse Naturali e Ambiente (DAFNAE) | Viale dell'Università<br>16<br>35020 Legnaro PD<br>Italy             | 049 8272664 | ricerca.dafnae@unipd.it     |
| Partner | Istituto Zooprofilattico Sperimentale delle Venezie  | Viale dell'Università<br>10<br>35020 Legano PD<br>Italy              | 049 8830380 | comunicazione@izsvenezie.it |
| Partner | Istituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia Romagna "B. Ubertini"                          | Via Antonio Bianchi<br>7/9<br>25124 Brescia BS<br>Italy              | 030 2290358 | direzionegenerale@izsler.it |
| Partner | Istituto Regionale per l'Educazione e gli Studi Cooperativi (IRECOOP Veneto)                                       | Via Giovanni Savelli,<br>128<br>35129 Padova PD<br>Italy             | 049 8076143 | info@irecoop.veneto.it      |

## Pratiche abstract

### Description

The general aim of this project is to find a solution to the problem of antimicrobial resistance in intensive livestock farming. It is considered an effective strategy to limit the phenomenon of antimicrobial resistance on beef industry, which is a relevant economic sector in the Veneto region. The innovation will be pursued by setting up field experimental trials and by developing practices that allow to improve animal welfare and the biosafety during the fattening period and enhance management practices and feeding strategies in the beef farm (supplemented group feed, added with plant originated immunostimulants products). The experimental response will be evaluated collecting and analyzing blood samples, feed and feces composition and average daily gain. This project will increase the profitability of farmers by decreasing the use of antibiotics and introducing a new type of beef product ("antibiotic-free") on the market.

### Description

The main goal of the project is to increase the profitability of the beef cattle farms by decreasing costs related to the use of antibiotics and requalify the beef industry image toward public opinion. It is possible improving animal welfare and biosafety under rearing conditions and producing a new type of product ("antibiotic-free"). In particular, the investigation of new

management practices, dietary supplementation and dietary strategies (on selected farms) are used to draft and test a prevention protocols and procedural guidelines that will be conducted in order to establish an efficient alternative to antibiotic use.

## Link utili

| Titolo/Descrizione   | Url   | Tipologia   |
|--|---|---|
| Sito web del progetto  | <a href="http://www.azove.it/progetti-speciali/antibiotic-free-beef">http://www.azove.it/progetti-speciali/antibiotic-free-beef</a>   | Sito web  |
| Video del progetto   | <a href="https://www.youtube.com/watch?v=ccx2sBWSmjM">https://www.youtube.com/watch?v=ccx2sBWSmjM</a>   | Materiali utili   |
| Presentazione del progetto "Strategie per l'eliminazione dell'utilizzo degli antibiotici nell'allevamento del bovino da carne" | <a href="http://https://www.dafnae.unipd.it/ricerca/progetti-di-ricerca/antibioticfreebe...">http://https://www.dafnae.unipd.it/ricerca/progetti-di-ricerca/antibioticfreebe...</a> | Link ad altri siti che ospitano informazioni del progetto |
| Slide di presentazione del progetto Antibiotic Free Beef   | <a href="http://www.arav.it/Data/Convegna/20170921/20/Relazioni/02_DeMarchi/DeMarchi_Con...">http://www.arav.it/Data/Convegna/20170921/20/Relazioni/02_DeMarchi/DeMarchi_Con...</a> | Link ad altri siti che ospitano informazioni del progetto |
| Presentazione del progetto presso il convegno "Bovino da carne: allevare in salute"  | <a href="http://http://www.aia.it/aia-website/it/home/postdetail/news-home-principale/ai...">http://http://www.aia.it/aia-website/it/home/postdetail/news-home-principale/ai...</a> | Link ad altri siti che ospitano informazioni del progetto |