

Implementation of a new, natural and environmentally friendly product to prevent farmed snail acariosis

Summary

At present there is no treatment to avoid parasitisation of snails by a mite that exclusively affects them (*Riccardoella limacum*). This mite coexists naturally as a parasite with the snail, but due to the specific conditions of snail farms, the proliferation of this mite produces in the farms low yields and even mortality, because the mite weakens the animal by colonizing it.

Our Innovative Project proposes the implementation of a natural product that, added to the existing feed in the market, can avoid the acariosis of the snails and with a minimum cost.

In order to implement this product, it will be necessary to make different field tests and evaluate their results, as well as to evaluate the health status of the snails both at the beginning of the tests and at the end, to have real and verified information.

Objectives

The specific objective is to obtain a new natural product that, added to the feed used in snail farms, avoids acariosis in breeding snails.

The general objectives are:

- Evaluate the presence of mites.
- Evaluate the health status of snails.
- Test different natural products that, according to laboratory research, could avoid acariosis.
- Achieve improved productivity in snail farms.
- Avoid the use of phytosanitary products.

Conclusions

The pilot project proposes how to test in the field and how to implement a new product to incorporate into traditional feed, already existing in the market, in order to avoid acariosis. In this way we could achieve an improvement in the productivity of snail farms.

On the other hand, the use of a natural product would facilitate feed to be ecological, as well as avoid the use of any pesticide or pharmacological or chemical product that could pose a danger for the health of the food and for the environment.

In addition, better productivity would make snail farms more competitive, not only improving the quantity of the product, but also the quality, ensured by the use of natural products.

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Tipologia d'entitat:

Empresa agroalimentària

Keyword-category

Territorial scope

Animal husbandry and welfare
Farming practice
Pest / disease control

Province
Lleida
Barcelona

County
Segrià
Urgell
Bages

Project dissemination (*publications, seminars, multimedia...*)

Project website

<http://caljep.es/projete-innovador>

Other project information

Project period

Approved budget

Starting date (month-year):	Març 2017	Total budget:	22.825,51 €
End date (month-year):	Setembre 2017	<i>Funding source DARP:</i>	9.107,38 €
Project status:	<i>Finalised</i>	<i>Funding source EU:</i>	6.870,48 €
		<i>Own funds:</i>	6.847,65 €

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