

Proposal Submission Form



EUROPEAN COMMISSION
7th Framework Programme on
Research, Technological
Development and Demonstration

**Collaborative Project
Small or medium-scale
focused research project**

**A1:
Content**

Proposal Number

000000

Proposal Acronym

strawberry

General Information

Proposal Title

An alternative technology for the strawberry crop in a cultural system directed to the biological agriculture used in the temperate climate of Europe.

Duration in months

58

Call identifier

FP7-KBBE-2007-1

Activity code(s) most relevant to your topic

KBBE-2007-1.2-04

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Free Keywords

Diseases, pests, weed , biological control , strawberry ,alternative technology active coal , biodegradable vegetal film , CO2 emission

Abstract (max. 2000 char.)

The present project aims at achieving an alternative technology for the field strawberry crops involving techniques fit to the biological agriculture.

The initial groundwork of this project includes:

Analysis and evaluation of the technological phases in the present technology of strawberry crop.

Tracing out the technological phases, great consumers of external inputs.

Evaluation of the potential risks causing major perturbations if the external inputs wouldn't be used.

The technological phases specific to soil and plant protection are great consumers of resources coming from the external inputs influencing largely the final product. Therefore, these technological phases will be modified into a large extent.

Tracing out the types of external inputs, which enhance CO2 emission or other glasshouse effect substances (ex. Methyl bromide) and proposing other alternatives.

The alternatives have been previously studied within R & D projects backed by national funds following to be fulfilled and applied practically as an integrated technology in the present project.

Objectives

1. Diseases, pests, weed biological control by soil – soil balance (soil vertical line balance) and soil – plant balance (soil horizontal line balance).
2. Adsorption on the active coal and decomposition of pesticide residues in soil.
3. Optimization of external inputs in terms of nutrients, water, energy and protection materials (replacing the plastic sheet with biodegradable vegetal film).

Similar proposals or signed contracts?

a) Has this proposal (or a very similar one) been previously submitted to a call for proposals of the 7th EU RTD Framework Programme?

no

IF YES

- please give the call identifier

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- please give the proposal or contract number (if known)

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b) Is this proposal (or a very similar one) currently being submitted to another call under FP7?

no

IF YES please give the call identifier

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