



# Interregional program "Quality Agriculture"

## "Evaluation of conversion schemes to organic and biodynamic agriculture of standard farms of the Lazio Region"

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The project aims to deepen and spread technical knowledge on the management of agricultural production systems conducted with organic and biodynamic method of farming in the corporate context.

For this purpose, three companies have been identified type, which are followed during the conversion phase, for the definition of technical-economic optimum according to the specific business situations.

In each company and for each cropping system, homogeneous plots were chosen, where the same crops are implemented with different methods of organic cultivation and / or biodynamic, the witness is represented in each case by the ordinary cultural practices of the company.

The monitoring in the three case study covers the following aspects:

- vegetation surveys (fruit size, yield estimation, assessment of plant health, ...);
- soil fertility, determined by chemical-physical, biochemical and microbiological analyzes;
- product quality (nutritional, sensory and healthy), assessed by physical and chemical analysis and tasting;
- economic analysis, determined by comparing the specifications of cultivation/accounting and histories

Established an organic farm, has monitored the conversion to biodynamic vegetable plants (tomato/salads) and cerealico-fodder crops and the use of compost treated with biodynamic preparations



In a farm specializing in conventional vegetables in open field, has monitored the conversion to organic farming (tomato/salads)



In a farm located in the Valle del Sacco, where it is forbidden to cultivation for the production, because of sources unrelated to agriculture are monitored for possible effects of environmental remediation, and use different methods of organic and biodynamic (in particular multi-floral repeated plowing and use of biodynamic preparations), testing plants "light" as pumpkins and zucchini

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