PROJECT “DEVELOPMENT OF INNOVATIVE PRODUCTS AND TECHNOLOGIES FOR ORGANIC FRUIT PRODUCTION” EkoTechProdukt AIMED AT PROTECTION OF SOIL ENVIRONMENT IN FRUIT CROP PRODUCTION.

Sas Paszt L., Malusá E., Sumorok B. and Lisek A.
Research Institute of Horticulture, ul. Konstytucji 3 Maja 1/3, 96-100 Skierniewice, Poland, lidia.sas@insad.pl

INTRODUCTION
Organic farming is considered an important factor in the Polish and EU strategy for the development of the agricultural sector having regard for the protection of the soil environment and the sustainability of production. However, there is a need to develop input products and to adapt equipment and application techniques to the needs of fruit crops.

The project is conducted by the Research Institute of Horticulture in Skierniewice and the Medical University of Łódź in collaboration with the Institute of Plant Protection (Poznań), the University of Warsaw, the University of Life Sciences in Warsaw and the Koszalin University of Technology.

PROJECT TASKS

- Development of new technical means of production for management of plant nutrition and plant/soil protection, based on microbial inocula and organic raw materials
- Isolation, characterization and selection of rhizosphere microorganisms (AMF and PGPR) that will be gathered to constitute a bank of strains suitable for fruit crops
- Establishment of SYMBIO BANK
- Development of innovative technical means
- Improvement of orchard and nursery management methods
- Improvement of the methods and technologies for the management of nurseries and orchards, specifically related to plant nutrition and plant/soil protection
- Evaluation of economic factors of organic fruit production
- Effect of fruit consumption on health
- Evaluation of healthful and nutritional properties of fruits; Appraisal of organic fruit consumption on human health, involving tests by consumer panels
- Evaluation of fruit quality

Dissemination of information

FARMERS | MANUFACTURERS | ADVISORS | R&D

Economic assessment of the introduction of the new technologies and their market feasibility will also be carried out.

A major impact of the project is assigned to the dissemination of the developed technologies and practices, in collaboration with the National Advisory Centre for Organic Farming.

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