



Project Information Sheet

INTRODUCTION IN THE MARKET OF A NEW HIGH QUALITY ORGANIC FERTILIZER OBTAINED BY THE USE OF POULTRY DEJECTION (FERPODE)

Programme area:	Recycling
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Website:	www.ferpode.com
Benefits:	A new high quality organic fertilizer by using poultry dejection and vegetable extracts with N slowly released and a higher environmental respect.
Keywords:	Innovative fertiliser, Poultry dejection, Vegetable extracts, Recycling
Sector:	G46.2
Type of solution	Product
Duration:	11/06/2009 – 10/12/2011
Budget:	€ 814.270 (EU contribution: 58,11%)
Contract number:	ECO/08/239083

Summary

The main objective of the FERPODE project was to place on the market a new high quality organic fertilizer obtained by the use of poultry dejection, laying hens manure (LHM), according to a European patent pending process. LHM is a biomass, containing as much organic C as an amendment, and almost as much N as a marketable fertilizer with improved drying. The innovation of the FERPODE project is connected both to the manufacturing process and to induced properties such as N slowly released that determines the high quality. The main features of this innovative fertiliser as FERPODE project result are the reduced salinity and the nitrogen component whose specific properties distinguish this product from the others available on the market. The nitrogen combines an ammoniac based component, with prompt release, with another component having a scheduled release. The special poultry manure combines the sheltering action, supplying soil with organic substances (C), with the fertilizing action (N), as the soil is supplied with nutritive elements.

Achieved results

The main results of the agronomic and laboratory tests by using the FERPODE fertilizer are the following:

1. The amount of products obtained with the FERPODE fertilizer is larger than with the best mineral or organic-mineral fertilizers available;
2. The quality of the agricultural products obtained with the FERPODE fertilizer is higher than with mineral or organic-mineral fertilizers;
3. Unlike other fowl manure-based fertilizers currently on the market, the FERPODE fertilizer releases nitrogen very slowly into the soil, and is therefore more effective.
4. One unit of the FERPODE fertilizer nitrogen corresponds to 1,3 units of nitrogen from traditional fowl manure-based fertilizers.
5. The use of the FERPODE fertilizer does not cause the contamination of plants or soil with heavy metals like cadmium and lead.