

## SLOVAKIA

# Diversification & job creation

**Location**  
Bratislava

**Programming period**  
2014 – 2020

**Priority**  
P6 – Social inclusion & local development

**Measure**  
M06 – Farm & business development

**Funding (EUR)**  
Total budget 190 719.0  
EAFRD 70 089.3  
National/Regional 23 363.1  
Private 97 266.6

**Project duration**  
2017 – 2020

**Project promoter**  
Farma Brezany, s.r.o.

**Contact**  
[knapec@farmabrezany.sk](mailto:knapec@farmabrezany.sk)

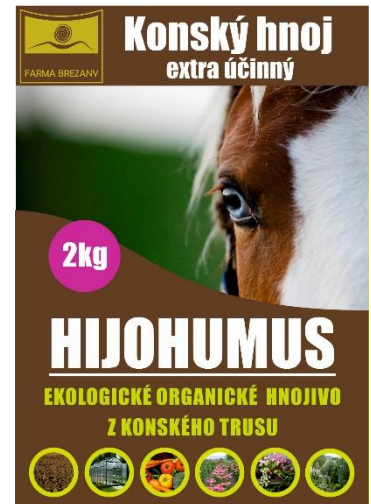
**Website**  
[www.farmabrezany.sk](http://www.farmabrezany.sk)

A farm used Rural Development Programme (RDP) support to produce horse manure pellets that can be used as an organic fertiliser as well as a source of renewable energy.

### Summary

The Farma Brezany, s.r.o., is located in the Zilina region, north-western Slovakia, around 200 kilometres away from Bratislava. The farm has diversified its business and now offers activities such as horse breeding, fishing, eco-tourism, as well as producing local delicacies including cheese, traditional alcohol, fruit jams and more.

The farm has a stable with 40 horses and the owner had a problem managing the animals' manure. Consequently, he used RDP support to acquire a pelleting line with pellet dryers, which were installed in a renovated barn. The new equipment processes the manure and bedding from the stables and produces pellets that could be sold as an effective organic fertilizer, or as a renewable source of energy.



### Results

The farm can process 600 kg of manure per day, which produces around 300 kg of pellets daily.

Two new jobs were created.

When the pellet production is working at full capacity, the farm can cover all of its heating costs.

The farm is the only one in Slovakia which is certified to produce "HIJOHUMUS", a biological granulate which is suitable as a fertiliser and also as pellets for heating.

### Lessons & Recommendations

- ❑ The production of pellets from horse manure is a complicated process and the producer needs to be very familiar with the technologies and processes.

## Context

The Farma Brezany, s.r.o. is located in the Zilina region, north-western Slovakia, around 200 kilometres away from Bratislava. The farm has diversified its business and now offers activities such as horse breeding, fishing, eco-tourism, as well as producing local delicacies including cheese, traditional alcohol, fruit jams and more.

The farm has a stable with 40 horses and the owner had a problem of managing the animals' manure. Consequently, he thought of the idea of creating pellets from the bedding in the stables which could be sold as an effective organic fertiliser. Also, the heat generated from the process of drying the bedding could be used to heat other production areas of the farm.

## Objectives

The farm owner aimed to increase the competitiveness of the farm while developing a renewable source of energy. The specific objectives of this project were to:

- Process the biological waste from horse breeding and use it to produce pellets;
- Sell the pellets as organic fertilizer, or as a locally produced fuel; and
- Decrease the heating costs of other production areas on the farm.

## Activities

The farmer used RDP support to acquire a pelleting line with pellet dryers and install it in a renovated barn.

The production method involves processing and drying the bedding from the horse stables. The material used for the pellets consists of a mixture of horse manure, urine, straw and sawdust. The pellets have slightly different composition depending on their intended use. For example, if they are to be used as fertiliser, the mix contains more manure.

Horse manure pellets is a high Btu (British thermal unit) fuel, producing high levels of energy but low levels of ash and emissions.

The energy from the combustion in a pellet boiler is also used for heating.

## Main results

The farm can process 600 kg of manure per day, producing around 300 kg of pellets daily.

Two new jobs were created.

When the pellet production is at full capacity, the farm can fully cover its heating costs.

The farm is the only one in Slovakia, which is certified to produce "HIJOHUMUS", a biological granulate, suitable as a fertiliser, and also for heating.

## Key lessons

The production of horse manure pellets is a complicated process and the user must be very familiar with technologies and processes, for example being able to dry the pellets without destroying them.



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## Additional sources of information

[www.facebook.com/Farma-Brezany-427277041433261](https://www.facebook.com/Farma-Brezany-427277041433261)