



AGROGIPSZ as a new GMO and microbes free product for the safe agricultural and environmental management



The successful cooperation between Agrogeo Ltd and Gallifarm Ltd as innovative Hungarian SMEs has generated a brand new valuable and environmentally friendly product which is suitable to reduce odor and greenhouse gas emission from animal manures. It is able to minimize dissolved reactive phosphorus in manures with adsorption of high moisture content of poultry manures.

Background

In Netherland the annual production of animal manures exceeds the amount of 65 000 000 - 70 000 000 tons. In the European Union the total production of biowastes varied between 120 000 000 – 130 000 000 tons annually. Without best management practices, storage and land use of animal manures having an adverse effect on air and surface, ground water quality: high dissolved P in poultry waste, huge odor emission, significant N loss, high moisture content of animal by-products.

About the innovation

Since 2007 experts and engineers of Agrogeo Ltd. and Gallifarm Ltd. has been working on the project to develop a new FGD gypsum and natural mineral based product for the complex utilization in agriculture and environmental protection.

General responsibility and activity:

- ✓ Agrogeo Ltd: technology and product development in plant nutrition and manure management,
- ✓ Gallifarm Ltd: organization of turkey management, production of animal feeds.



Composition of AGROGIPSZ: FGD gypsum, natural minerals

Manufacturer: Gallifarm Ltd. (HU)

Exclusive distributor: Agrogeo Ltd. (HU)

Dose: 20-80 kg for 1 wet ton of manure (depending on the quality of waste)

Packing: 20, 50, 100, 1000 litre bags

Registered by The National Public Health and Medical Officer Service (NPHMOS), Budapest, Hungary

Date of registration for distribution: 5 December, 2011

The main properties of AGROGIPSZ:

pH	7,4-7,8
Density	1,14 g/cm ³
Constituents ranged between	1,0 – 5,0 mm
Form	solid phase
Odor	wet soil
Colour	sand

Use and utilization of the product:



The new product called AGROGIPSZ is able to reduce and minimize harmful effect of animal manures during storage, treatment, or land disposal:

- 70-85 % reduction in dissolved P,
- 62-87 % reduction in N loss,
- 74-95 % reduction in odor emission.

It can significantly increase dry matter content of manures.

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