

TRAINING MATERIAL

Title:

Solid fraction from pig/cattle slurry using belt press sieve and pasteurization (ID:594)

Training:

What is the product?

Solid fraction is an organic fertiliser produced from pig/cattle slurry using belt press sieve and pasteurization.

Who is the vendor of the product?

Vlako BV (<http://www.vlako.nl/>) is a manure processing company in the Netherlands.

Vlako processes approximately 135.000 m³/year slurry from pigs, cattle and mink into a pasteurized solid fraction, mineral concentrate and clean water.

Which are the advantages of the product?

Where normally 6 to 10 tons of slurry is being spread, this can be replaced by using only 2 to 2,5 tons of solid fraction. This means that solid fraction is cheaper to transport and it can be spread with lighter spreaders which leads to less soil compaction. This is a natural product from organic source which have a high organic matter content, containing natural trace elements and which is free from salmonella and E-coli.

Which are the problems addressed?

In order to bring considerable quantities of nutritional elements, it is necessary to transport high volumes of the product, taking note of the fact that it is characterized by a low concentration of N, P, K in comparison with mineral fertilizer.

Which equipment and methods can be used to apply the product?

Solid fraction can be spread by lighter equipment and there are less tons needed to bring the same kinds of nutrients as when slurry is being brought to the fields.

Which is the nutrient content of the product?

- Dry matter: approx. 30%
- Organic matter: approx. 23%
- N: 13,3 kg/ton
- P₂O₅: 18,0 kg/ton
- K₂O: 5,1 kg/ton
- Due to the organic origin of the fertilizer, nutrient content may vary

How to use the product?

It is free of pathogens like salmonella and e-coli because the solid fraction is pasteurized, and it can therefore be used for crops which are destined for human and animal consumption. Solid fraction can be used in: cereals, grains, dry pulses, protein crops, root crops and fresh vegetables.

Which are the authority permits and in which EU countries?

The production plant is registered in accordance with EC/1069/2009 with registration number NL-219144.

How much does it cost?

The product price varies during the season and is on average about €15 per ton ex works. This means that the producer pays €15 to be able to deliver the product.



For more information: https://nutriman.net/farmer-platform/product/id_594