

TRAINING MATERIAL

Title:

Technology for P recovery as PK fertilizer from the ash of poultry manure with "BMC Moerdijk" thermochemical process (ID:399)

Training:

What is the technology?

BMC Moerdijk burns poultry litter and converts this into electricity and a valuable PK fertiliser and has proven to offer poultry farmers a reliable solution for their poultry litter all year round. Every year BMC Moerdijk incinerates about 430.000 tonnes poultry litter and produces 292.000 MWh gross and 57.000 tonnes PK fertiliser.

Who is the vendor of the technology?

The vendor of the technology is BMC Moerdijk BV: <https://www.bmcmoerdijk.nl/>

Which other product/technologies are provided by the vendor?

PK fertilizer from the ash of poultry manure with "BMC Moerdijk" thermochemical process (ID:401).

Which are the advantages of the technology and the problems addressed?

The technology combines the generation of bioenergy with the generation of a mineral PK fertilizer. The process is a robust technology to convert poultry manure to a plant available phosphorus and potassium fertilizer. The value of the fertilizer is well tested in pot trials and under real farming conditions. The technology is fully operational since 2008 and the fertilizer product is available on the market.

How does the technology work?

It's a mono incineration process with poultry manure.

How/where to use the technology?

The mono-combustion of poultry manure is one way to concentrate and recover nutrients. The focus is the recovery of phosphorus and potassium. The BMC Moerdijk[®] technology is used to convert poultry manure to a more defined inorganic fertilizer.

Which are the authority permits and in which EU countries?

The construction of the power plant is subjected to regional regulations for construction law and the immission protection law.



De BioMassaCentrale (BMC) Moerdijk. © BMC Moerdijk



For more information: https://nutriman.net/farmer-platform/technology/id_399