

EIP-AGRI practice abstract

Short title:

PK fertilizer from the ash of poultry manure with "BMC Moerdijk" thermochemical process

Summary:

The PK fertiliser is derived from hydrated ash of incinerated poultry manure. Poultry manure is obtained from poultry farms in the Netherlands meeting EU compliances for animal production. The material is produced from the ash of incinerated poultry manure and water. After the process, it turns out as a powder which could be milled and pelletized/granulated in further preparation steps if desired.

The main nutrients are phosphorus and potassium with a Content of 10 % P₂O₅, 12 % K₂O and other nutrients 20 % CaO, 7 % SO₃, 5 % MgO.

The fertiliser has a neutralizing value due to the presence of hydrated burnt lime and the fertiliser contains secondary and micro- nutrients.

The efficacy of the product was tested in pot trails and field experiments und real farming condition.

The product has a low content of contaminants, e.g. heavy metals (Cd, As, Pb), no organic compounds and is free of pathogens.

The application doses/ha is depending on the P, K-nutrient needs of the crop and the P, K-nutrient status of the soil.

Recommendation to authorize recovered fertilizers (e.g. from biomass ashes) for organic farming by STRUBIAS workgroup. (as it is in 01/2020). National authorization in e.g. GB, Fr, B, NL

The production process is fully operational, and the product is available since 2008. The product is used in conventional farming on arable land.

For more information, https://nutriman.net/farmer-platform/product/id_401