



Nutriman Nutrient Management and Nutrient Recovery Thematic Network



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Outotec

Calcium-Sodium-Phosphate from sewage sludge ash conversion with the "AshDec®" process

https://nutriman.net/farmer-platform/product/id_397



KEY PRODUCT FACTS

- High plant available phosphorus compound made from the conversion of ash (e.g. from sewage sludge) specific thermochemical process.
- High concentrated phosphorus content: >15 % - 20 % P_2O_5 .
- Low content of contaminants, e.g. heavy metals (Cd, U, As, Pb), no organic compounds and free of pathogens
- AshDec® (and other ash-based mineral) products are recommended to be authorized for organic farming.
- Authorization for use as fertilizer at national level in Germany.



HOW TO USE

- **Type of farming:** conventional, low input, organic possible in future
- **Recommended dose:** depending on soil P-status and the need of the crops



AREAS OF APPLICATIONS

- Arable and vegetable cultivations, fruit cultivations, horticulture, greenhouse, organic, low input farming



Nutrient content
0% N
(15-25)% P_2O_5
1% K_2O



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