June 14 2007

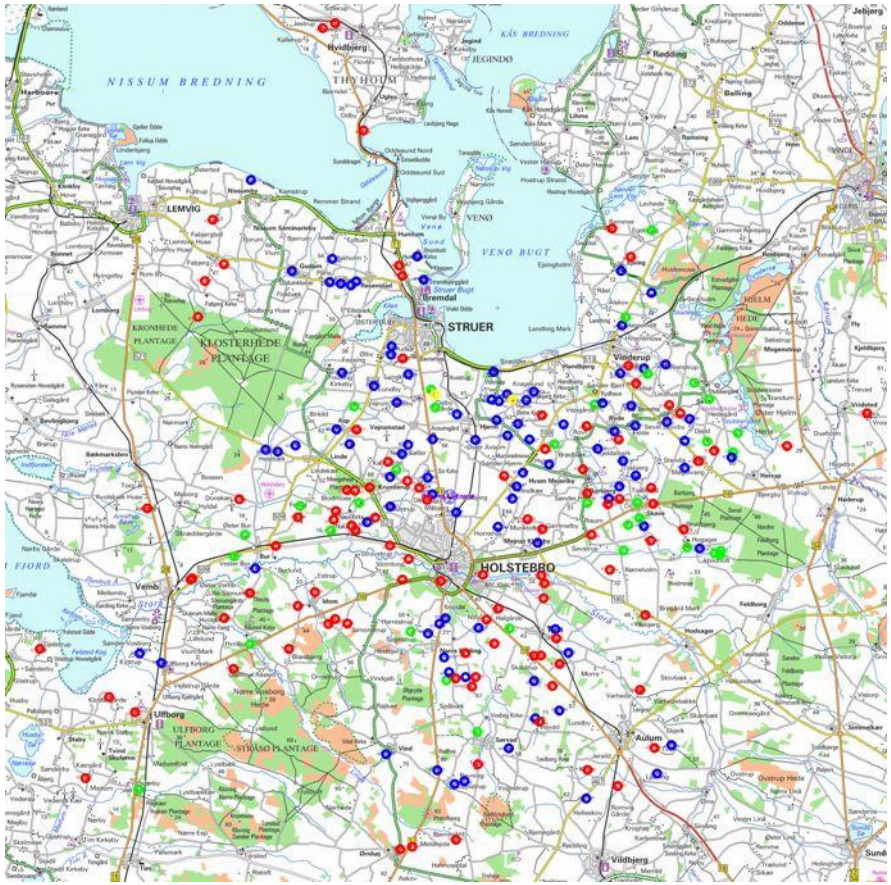
A farmers experience as a member of a decentralised co-digestion plant

By farmer and chairman of Danish Biogas Association
Henrik Høegh

Plantas de biogás en Dinamarca
Plantas centralizadas
Plantas individuales

Farmers advantages

- Redistribution of nutrients
- Handles all manure from small and large farmers



Danish Agricultural Council

Farmers advantages

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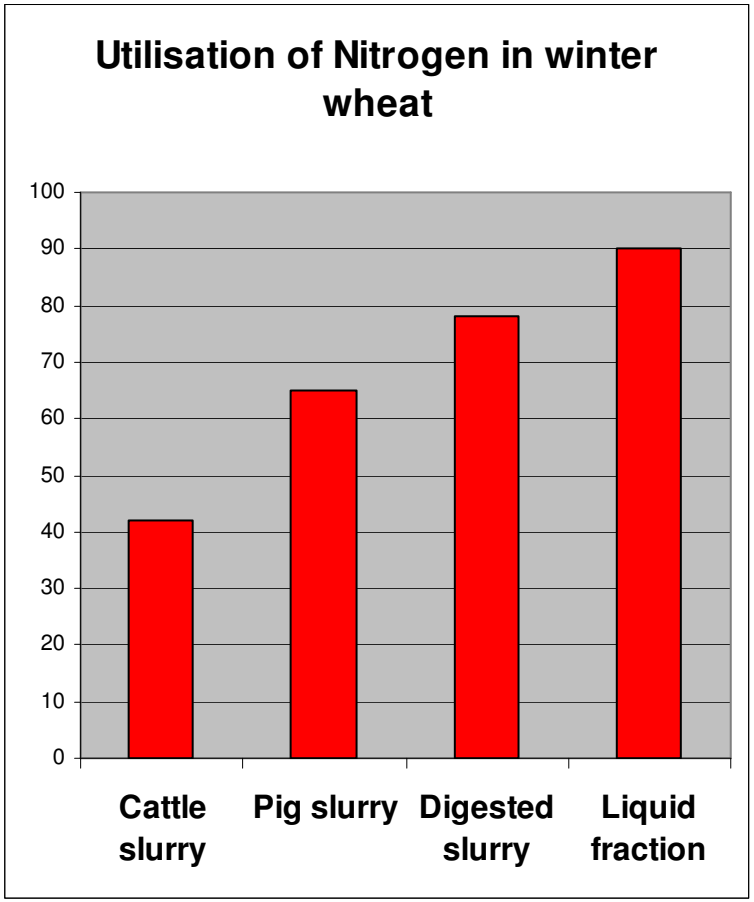
- Improved nutrient value
- Alternative to slurry soil injection equipment



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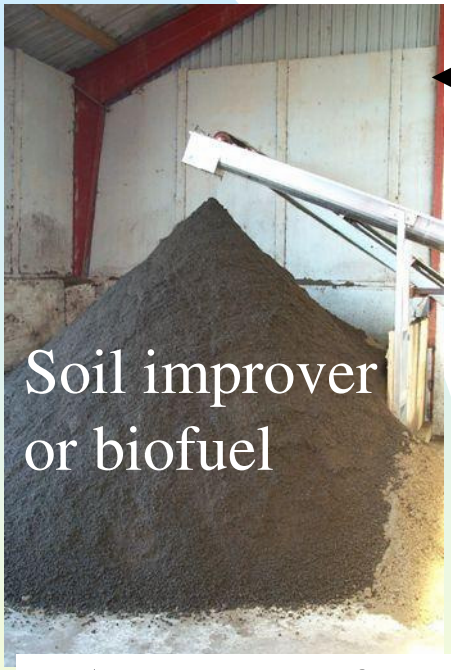
Biogas and separation

Digested slurry

Fiberfraction ← Decanter → Liquid fraction



15 – 20 % of volume

70 pct. P

Most of organic nitrogen

80 – 85 % of volume

80 % of nitrogen

Almost all ammonium

Low P content

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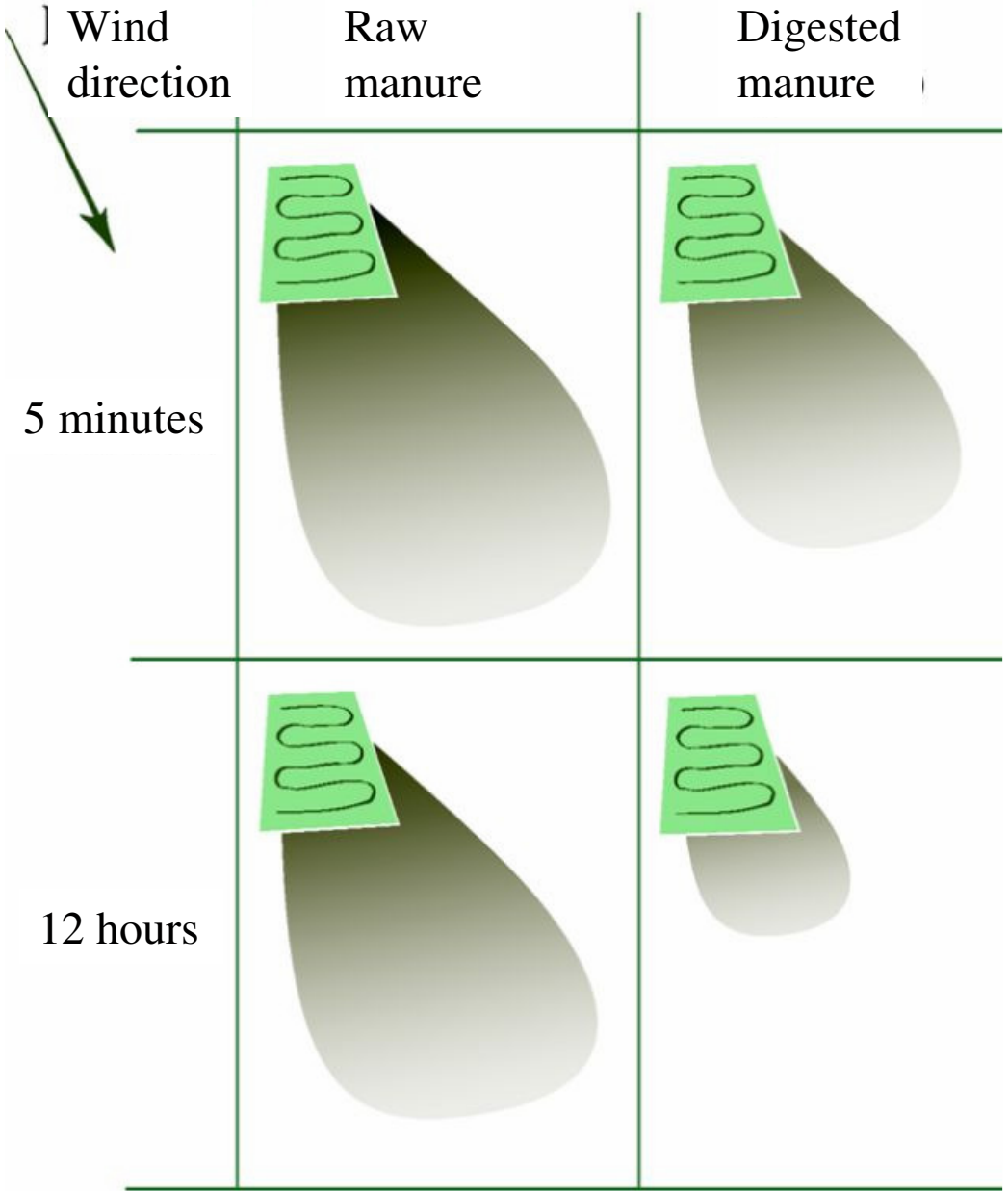
- Removal of excess of nutrients
- Better relations to neighbours



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25 years of Danish biogas experience

Manure - from a farmers problems into an opportunity for the whole society