



Passarch ABPP SNV

bionass ABPP SNV

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- Collection of processes by which microorganisms break down biodegradable material in the absence of oxygen
- Natural process, spontaneous
- Field conditions absence of oxygen
- Intestines

Four steps

- Hydrolysis
- Loosening of large polymers
- Acidogenesis
- Fermentative production of Volatile Fatty Acids (VFAs)
- Acetogenesis
- Production of acetic acid
- Methanogenesis
- Production of methand

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Conditions not optimal

- Temperature
- Feedstocks
- Feed on each others' products
- Acidity pH
- Preferences vary
- Chain reaction
- Positive and negative feedback loops

Good management = key

- Selection of substrates
- Biogas potential
- Digestibility
- Link to digester type
- Management indicators
- Organic Loading Rate (OLR)
- Hydraulic Retention Time (HRT)

















