

Decreasing nitrogen loss from agriculture with slurry acidification techniques

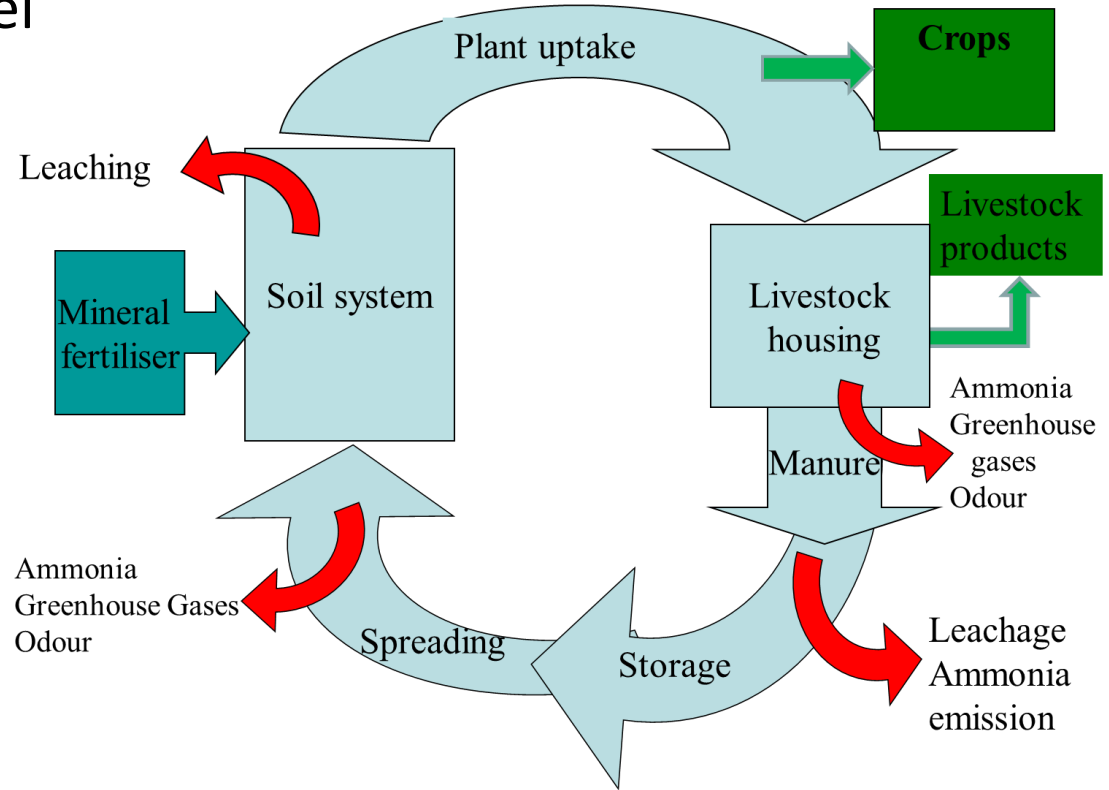
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Nitrogen cycle on farm-level

Ammonia emissions represent direct loss of Nitrogen.

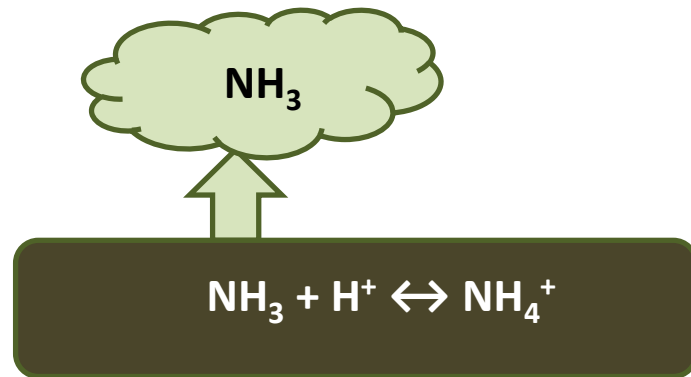
Reducing ammonia emissions from manure should result in higher fertilizer value and reduced need for mineral fertilizer.



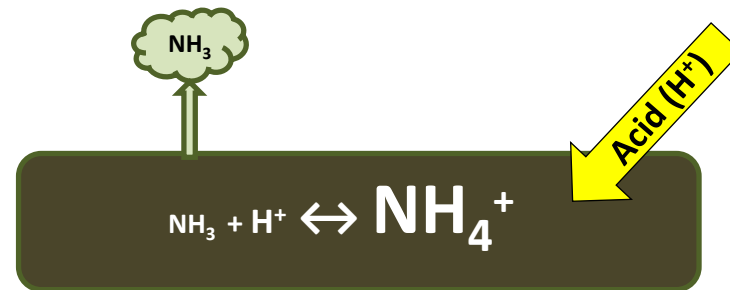


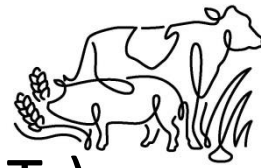
How can acidification help?

Ammonia - ammonium balance



Acid provides extra Hydrogen ions (H^+)





Overview of slurry acidification technologies (SATs)



In-house



In-storage



In-field

Approx. 18% of all slurry acidified in Denmark in 2016*

*Karen Peters, DK EPA

Baltic Slurry Acidification

WP2
Feasibility
studies

WP3
Demo
investments

WP4
Field trials

WP6
Markets, laws
and Policy

WP5
Economic and
Environmental
analysis





THANK YOU!

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