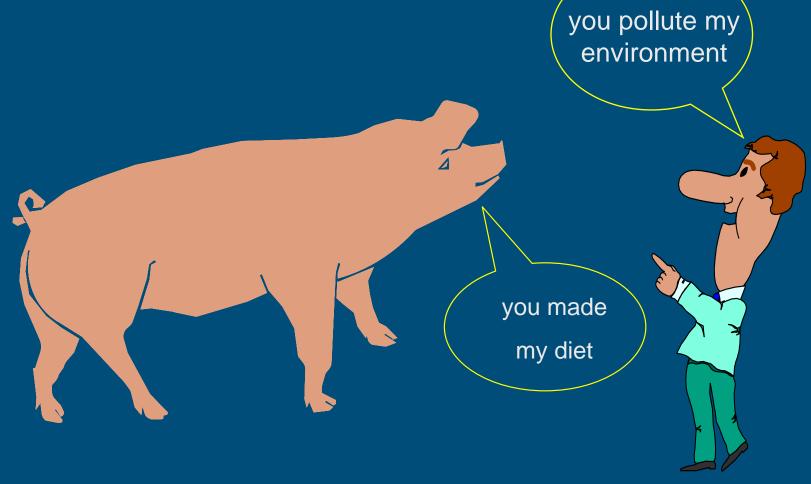
Nutrition and emissions

André Aarnink



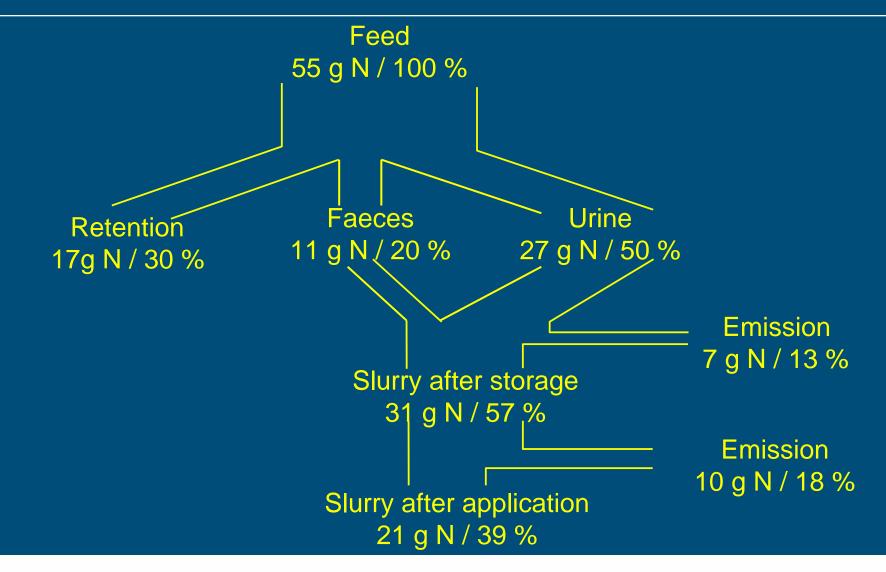


State of the art





Nitrogen flow in growing-finishing pig production



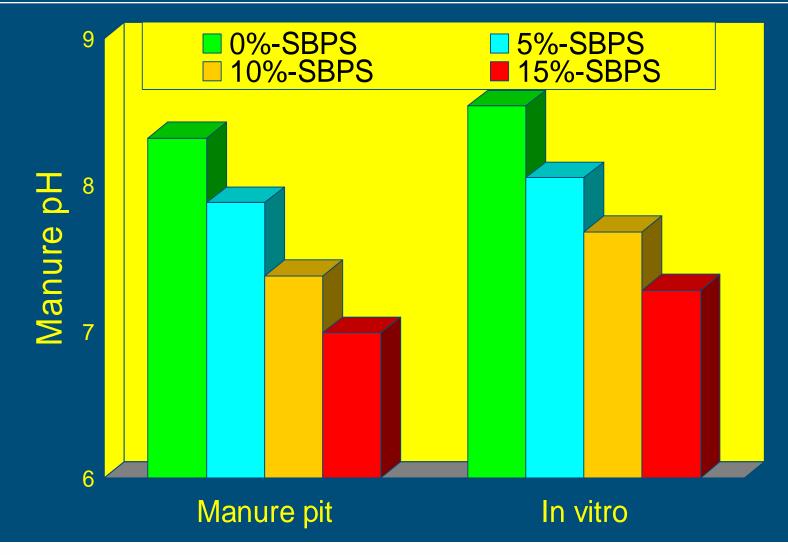


Three main strategies to reduce ammonia emission by dietary composition

reducing dietary nitrogen (nitrogen intake).
shifting nitrogen excretion from urine to faeces.
reducing slurry pH (urinary pH and/or faecal pH).

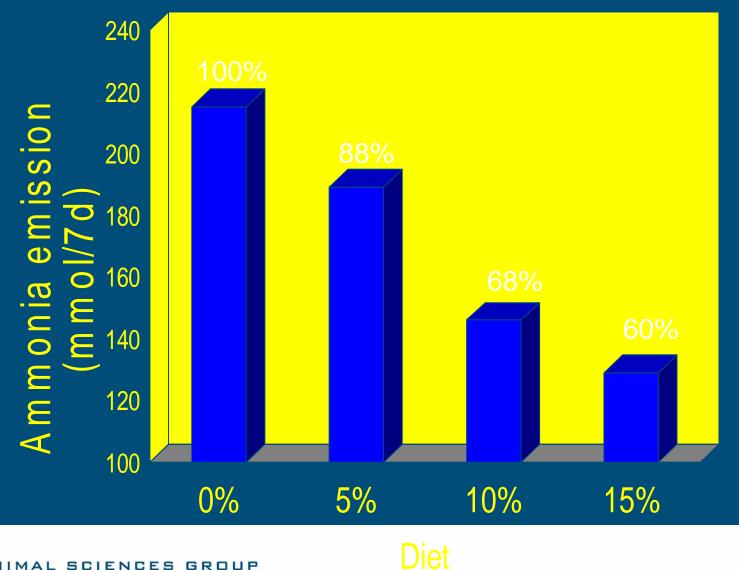


pH of manure





Ammonia emission from manure





Ammonia emission from slurry of pigs depending on dEB, Ca-salt and Ca-level

■ High dEB, 320 meq/ kg DM ■ Low dEB, 100 meq/ kg DM

