



 Task: Quantifying N₂O emissions from a range of compound fertilisers with varying nitrate to ammonium/urea ratios • Goal: to generate emission factors (EF) which can be included in the National Inventory Report and will allow for mitigation measures specific to Irish conditions











Developing N₂O emission factors

Compound	Nitrate:Am
10.10.20	0.05
18.6.12	0.53
24.2.2.4.5	0.79

Compounds with the lowest nitrate to ammonium ratios gave the lowest emissions and highest yields!



Take home message

Moving from NO₃ to NH₄ based compound fertiliser has the potential to reduce emissions while maintaining yield. Offers a 'win-win' scenario





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