Low N$_2$O emissions from wheat compared to overall N loss

Poster #54

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Methods and location

• 4 x N treatments at 50 kg N/ha as urea:
  • Below the seed +/- DMPP
  • Topdressed during tillering +/- NBPT

• $\text{N}_2\text{O}$ monitored using static chamber method.
• $^{15}\text{N}$ fertiliser recovery at harvest (plant and soil).
• $\mathrm{N}_2\mathrm{O}$ losses typically low (peak around 4 g N/ha/day).
• Limited differences in $\mathrm{N}_2\mathrm{O}$ flux between treatments in 2012.