Polymer Coated Urea: Mitigating Nitrogen Loss to the Environment

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Ammonia (left) & Nitrous Oxide (right) Flux Over 21 Days

- full rate - uncoated urea
- 2/3 rate - uncoated urea
- 2/3 rate - polymer coated urea
- unfertilized control
Averaged over 5 lab, 4 greenhouse, & 3 field studies

**Increase in Percent N Loss to Environment**

- **Ammonia**: Urea > PCU
- **Nitrous Oxide**: Urea > ctrl
- **Nitrate**: Urea > ctrl