Nitrogen Budget on Township Scale in North China Plain

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Objectives and Methods

1. Cropland subsystem
2. Livestock subsystem
3. Human food consuming subsystem
4. Environment subsystem

- Teach farmers how to finish trace recording tables
- Parameters related to N calculating from literatures and meta analysis
Results and Conclusions

- More than 10 factories have been found from N deposition: 63 kg N ha⁻¹ yr⁻¹ in 2014
- 40% of households constructed water rush toilets
- All of animal manure in open storage.
- 40% of households constructed water rush toilets financially supported by government
- More than 10 factories have been found from N deposition yr⁻¹ in 2014

Environmental Nr pollutants loads (of total imported Nr, %)

- 45-90% was from mineral N