Closing the nitrogen supply and demand gap using legume residue combined with fertiliser nitrogen input

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1. Background & aim

Wheat yield potential

- Climate
- Management
- Soil

N uptake
N supply
Mineral-N at sowing (kg/ha)

Soil depth (cm)

Residue-types x N fertiliser rates

Low-Rainfall
Low-N
High-Risk

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2. Results & conclusions

Wheat crop at anthesis - Dry season (2015, decile 3)

Wheat + High N rate

Lupin + High N rate

N supply-demand at key growth stages - Wet season (2016, decile 9)

Lupin-Residues

Wheat-Residues

Lupin-Residues

Wheat-Residues

(2016, unpublished data)