

2018 AUSTRALIAN COTTON CONFERENCE

Cotton fertiliser effect on soil CO₂ concentration and efflux

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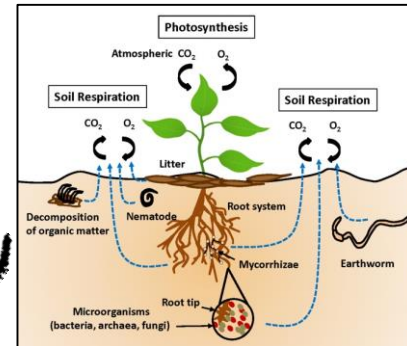
How does poultry manure



applied to cotton fields



influence soil respiration



and does this correspond with cotton yield?



Results and conclusions

Experiment 1



Manure
High CO₂ concentration & flux
High yield

Zero-N (no manure, no urea)
Low CO₂ concentration & flux
Low yield



Experiment 2



Manure and No Cut
High CO₂ concentration & flux
High yield

Urea and High Cut
Low CO₂ concentration & flux
Low yield