

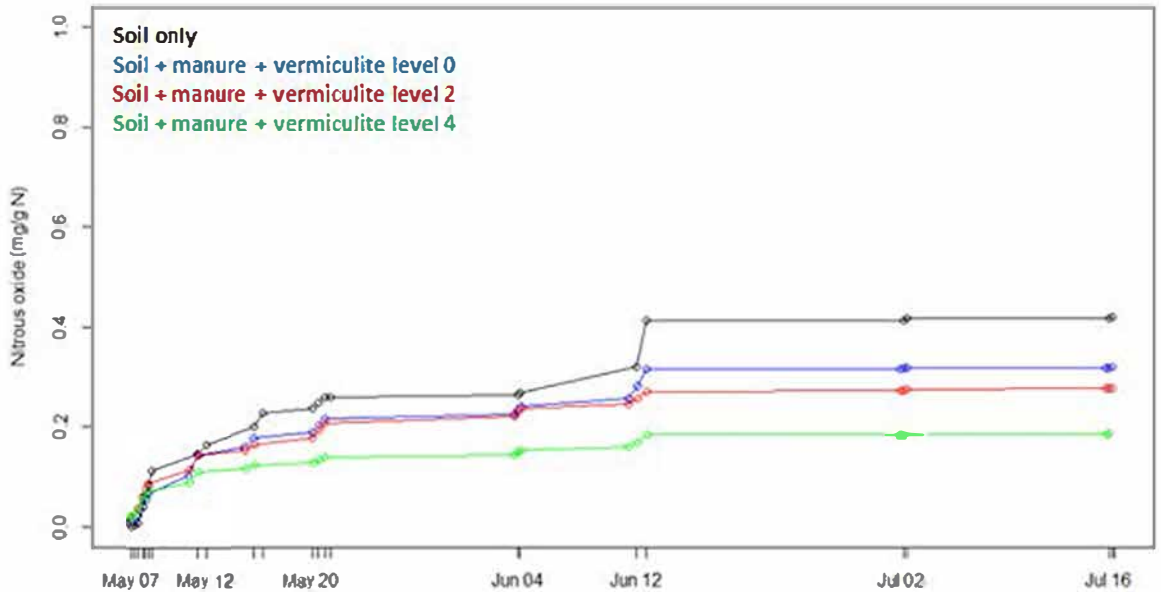
A novel and effective technology for mitigating nitrous oxide emissions from land-applied manures

Jaye Hill^A, Matthew Redding^A and Chris Pratt^A

^ADepartment of Agriculture and Fisheries, 203 Tor Street, Toowoomba, Qld 4350, Australia.

^BCorresponding author. Email: christopher.pratt@daf.qld.gov.au

Ferrosol
Beef manure – 50 kg N/ha



Ferrosol
Beef manure – 150 kg N/ha

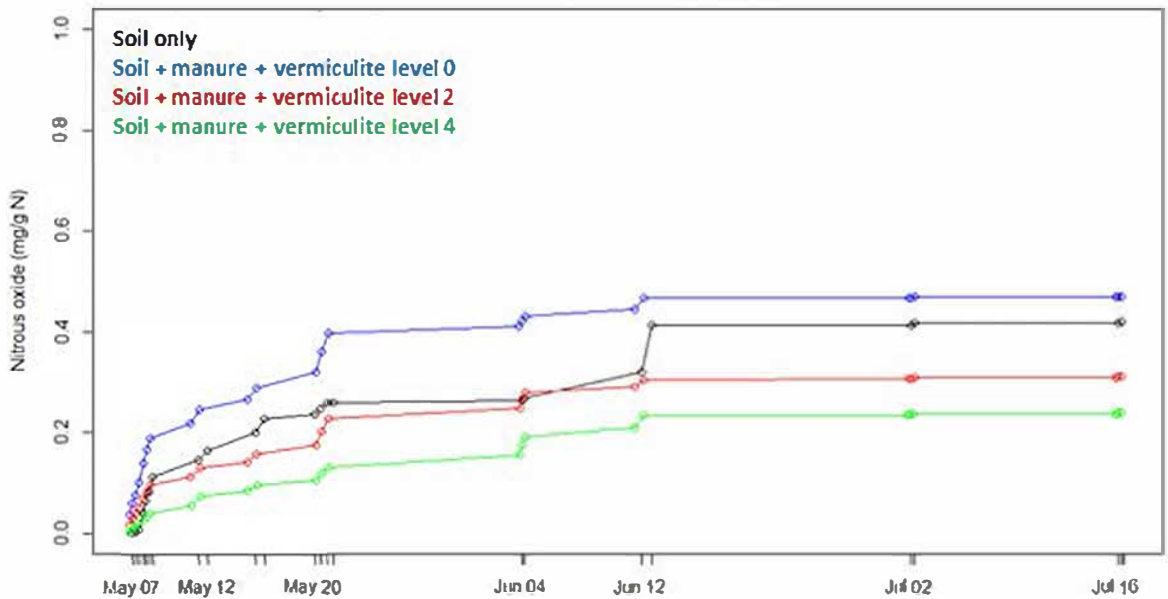
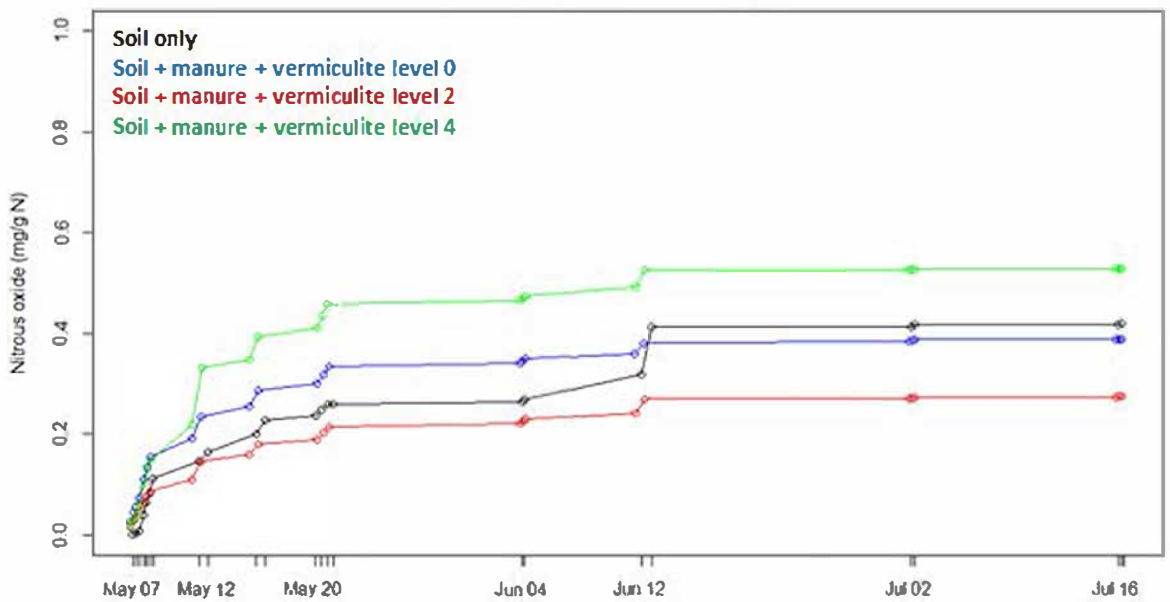


Fig. S1. Cumulative measured N₂O fluxes from the beef manure and Ferrosol amendments. Points are combined measurements from duplicate pots. Refer to Table 1 for vermiculite addition levels.

Ferrosol Spent pig litter – 50 kg N/ha



Ferrosol Spent pig litter – 150 kg N/ha

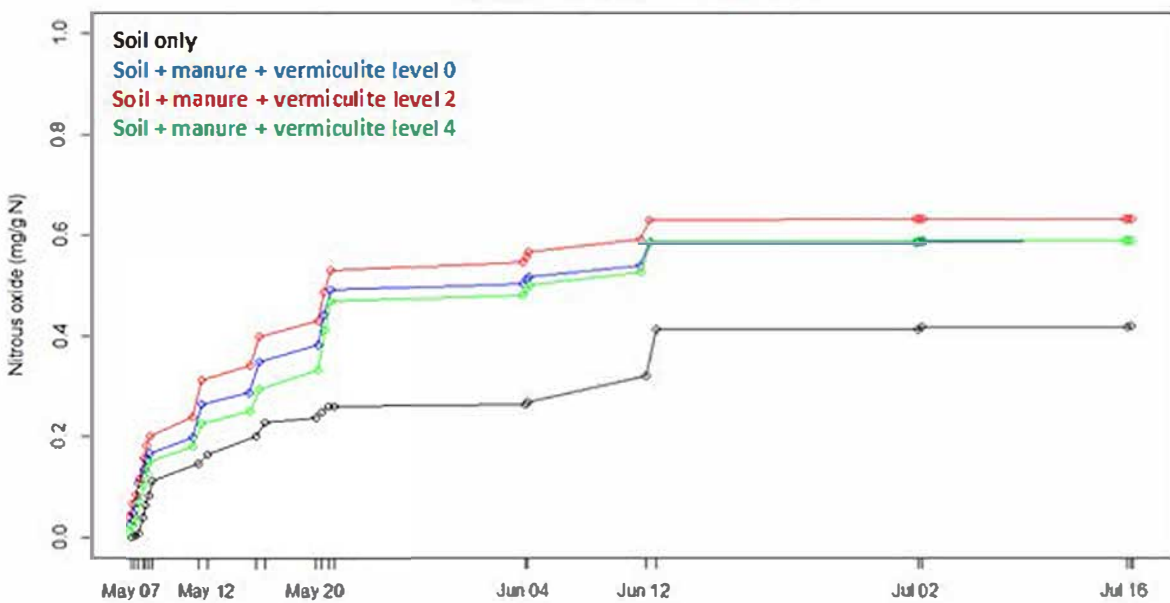
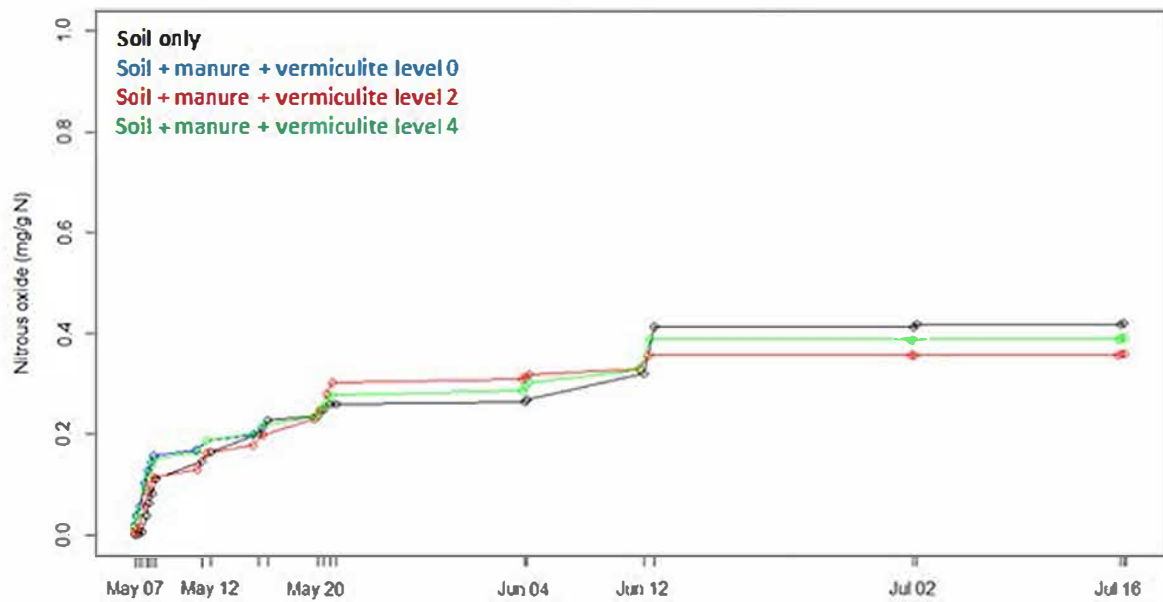


Fig. S2. Cumulative measured N₂O fluxes from the spent pig litter and Ferrosol amendments. Points are combined measurements from duplicate pots. Refer to Table 1 for vermiculite addition levels.

Ferrosol Spent poultry litter – 50 kg N/ha



Ferrosol Spent poultry litter – 150 kg N/ha

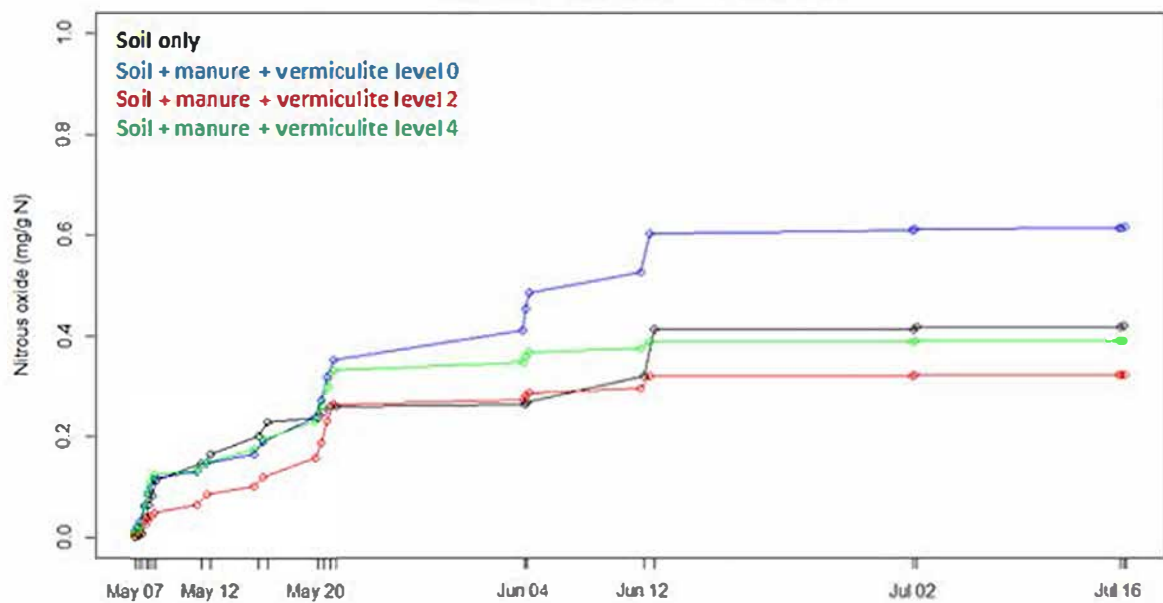
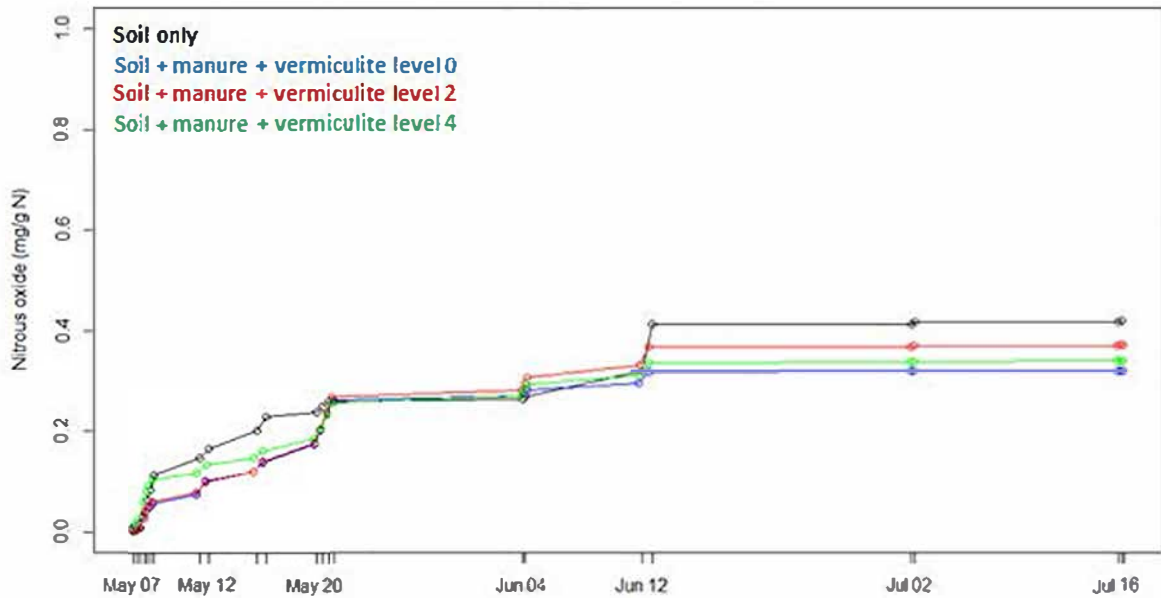


Fig. S3. Cumulative measured N₂O fluxes from the spent poultry litter and Ferrosol amendments. Points are combined measurements from duplicate pots. Refer to Table 1 for vermiculite addition levels.

Ferrosol
Egg manure – 50 kg N/ha



Ferrosol
Egg manure – 150 kg N/ha

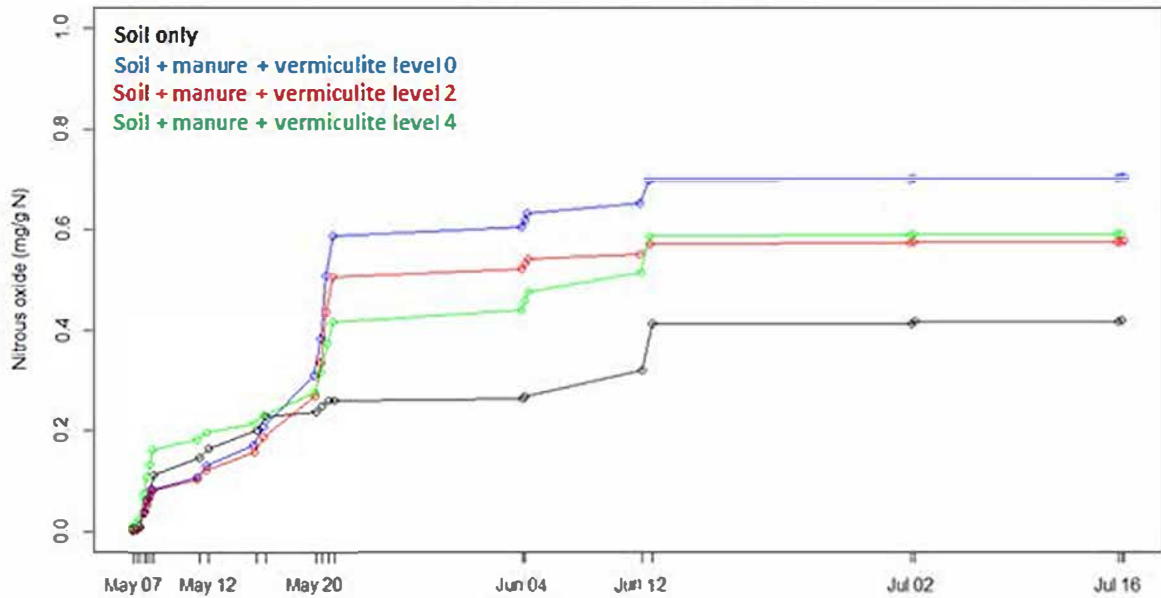
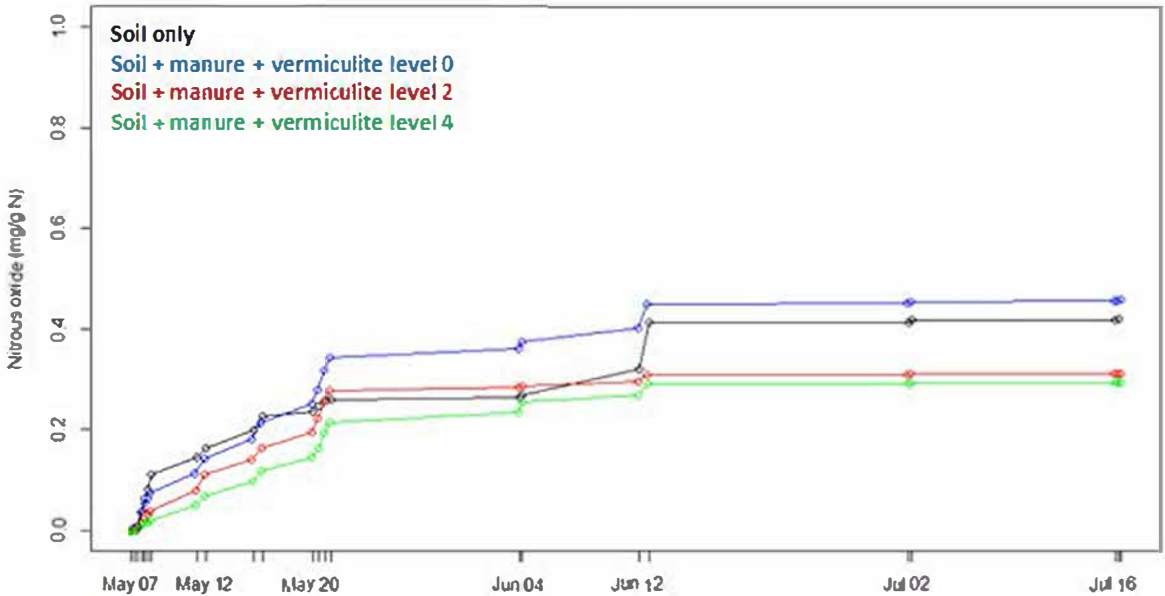


Fig. S4. Cumulative measured N₂O fluxes from the egg manure and Ferrosol amendments. Points are combined measurements from duplicate pots. Refer to Table 1 for vermiculite addition levels.

Ferrosol Urea – 50 kg N/ha



Ferrosol Urea – 150 kg N/ha

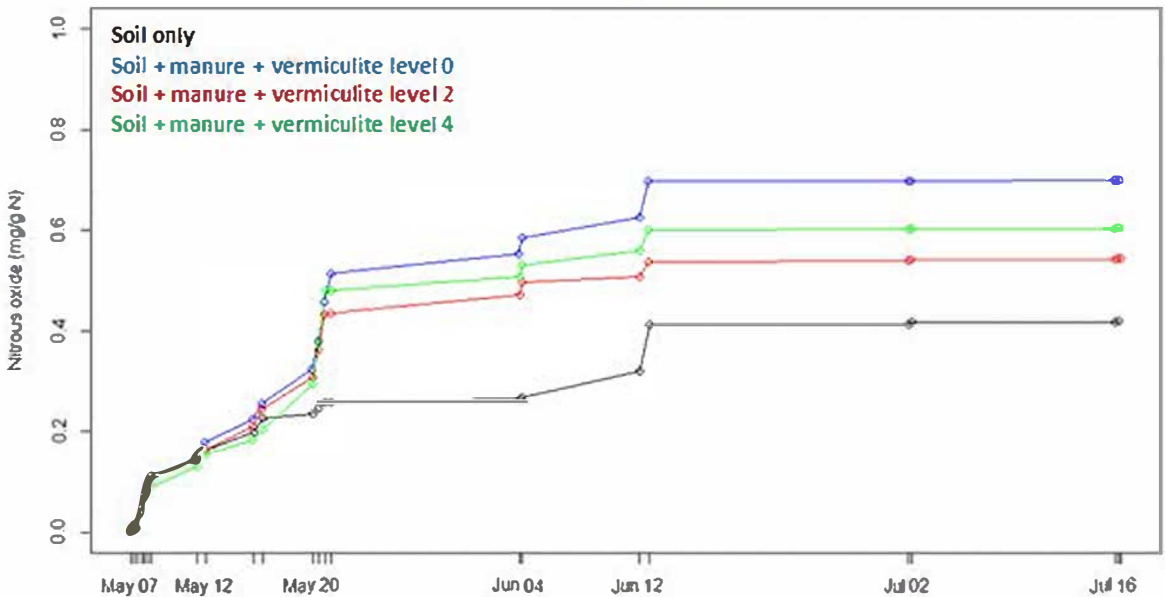
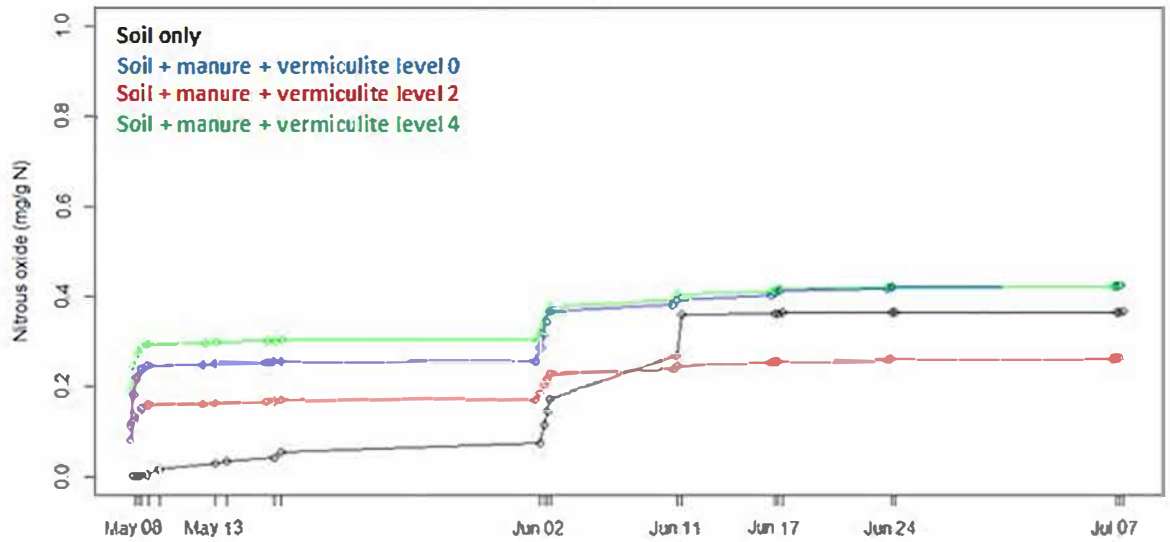


Fig. S5. Cumulative measured N₂O fluxes from the urea and Ferrosol amendments. Points are combined measurements from duplicate pots. Refer to Table 1 for vermiculite addition levels.

Sodosol Beef manure – 50 kg N/ha



Sodosol Beef manure – 150 kg N/ha

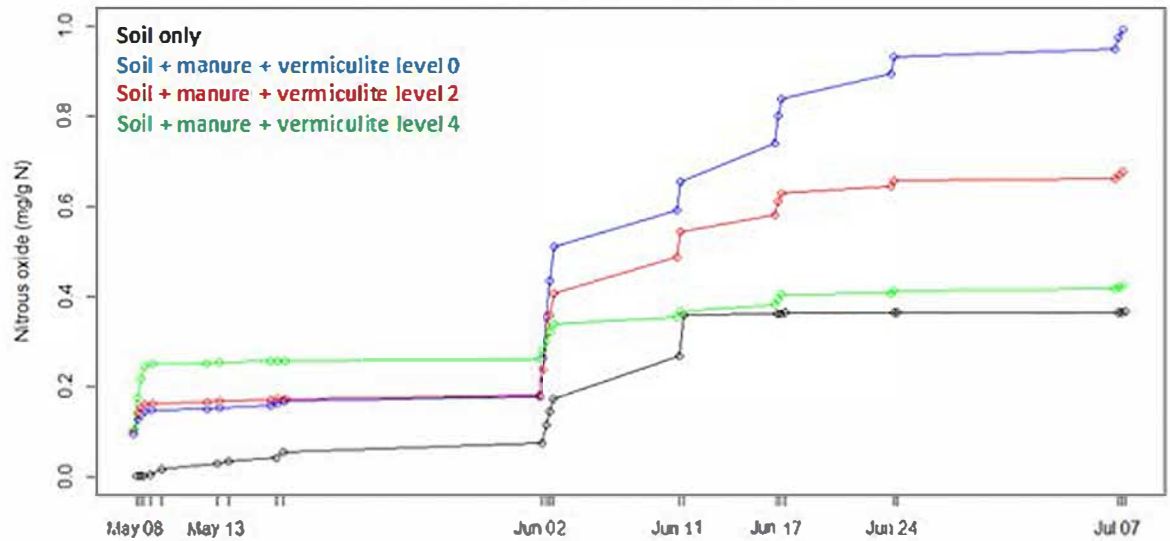
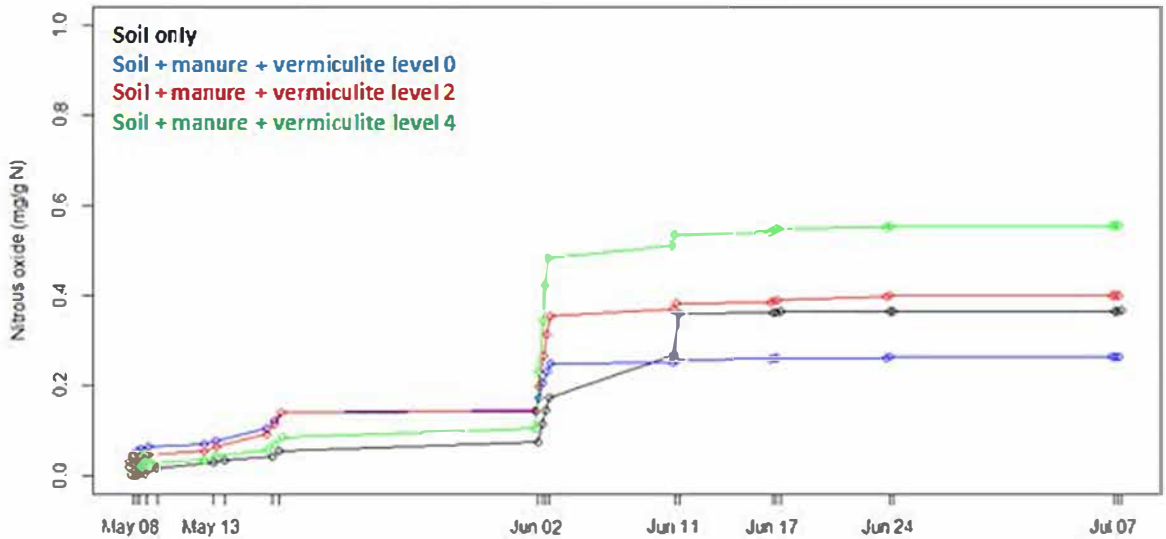


Fig. S6. Cumulative measured N₂O fluxes from the beef manure and Sodosol amendments. Points are combined measurements from duplicate pots. Refer to Table 1 for vermiculite addition levels.

Sodosol
Spent pig litter – 50 kg N/ha



Sodosol
Spent pig litter – 150 kg N/ha

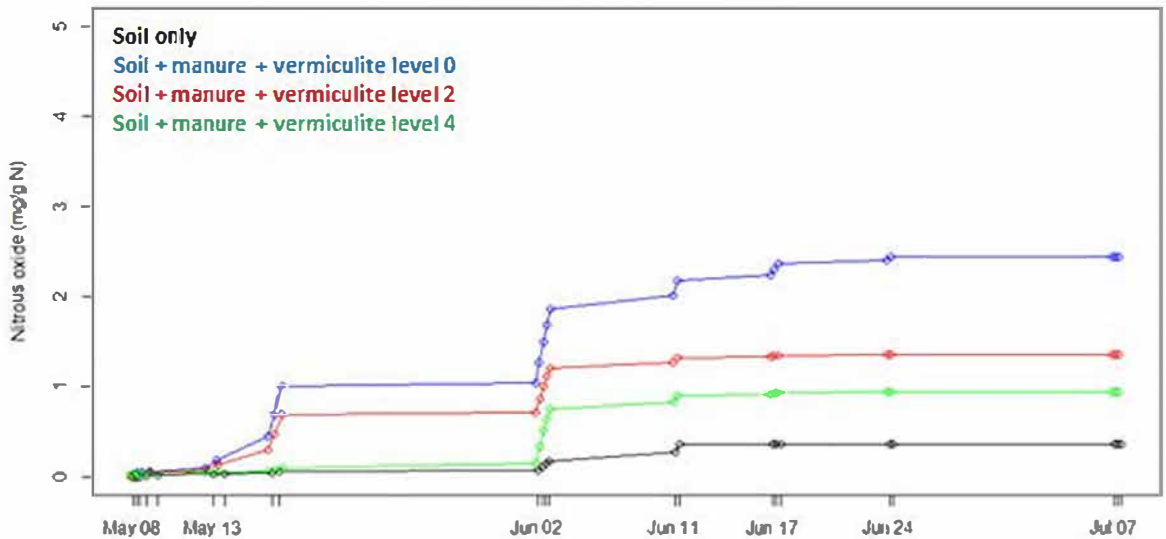
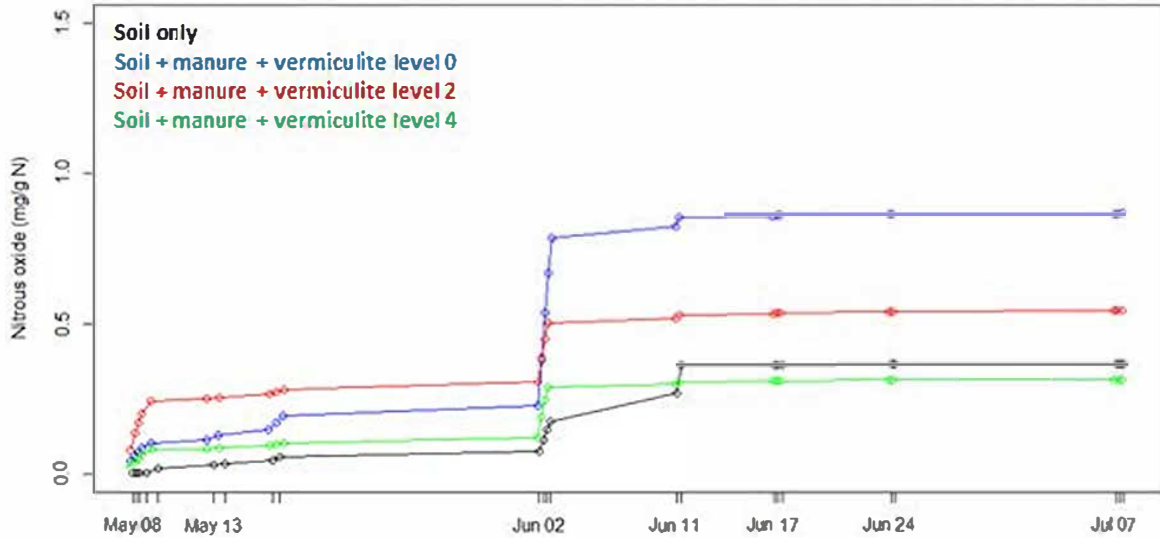


Fig. S7. Cumulative measured N₂O fluxes from the spent pig litter and Sodosol amendments. Points are combined measurements from duplicate pots. Refer to Table 1 for vermiculite addition levels.

Sodosol Spent poultry litter – 50 kg N/ha



Sodosol Spent poultry litter – 150 kg N/ha

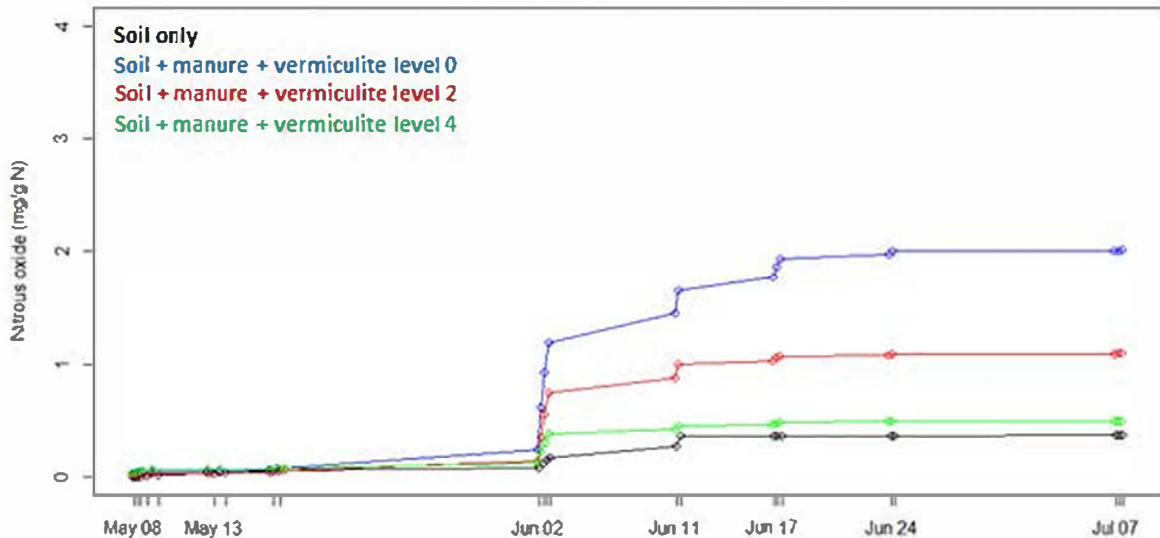
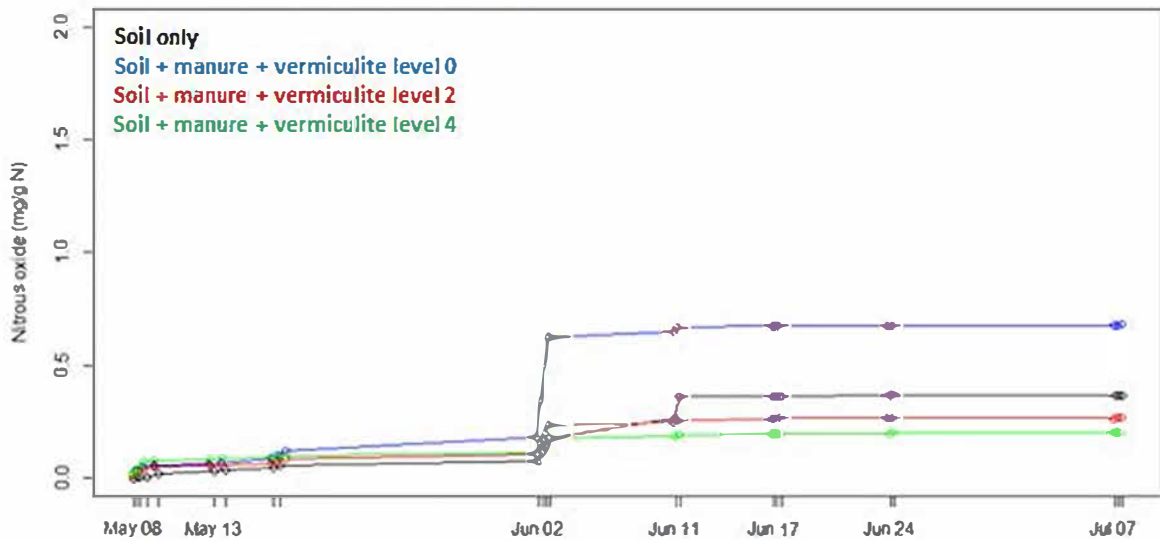


Fig. S8. Cumulative measured N₂O fluxes from the spent poultry litter and Sodosol amendments. Points are combined measurements from duplicate pots. Refer to Table 1 for vermiculite addition levels.

Sodosol Egg manure – 50 kg N/ha



Sodosol Egg manure – 150 kg N/ha

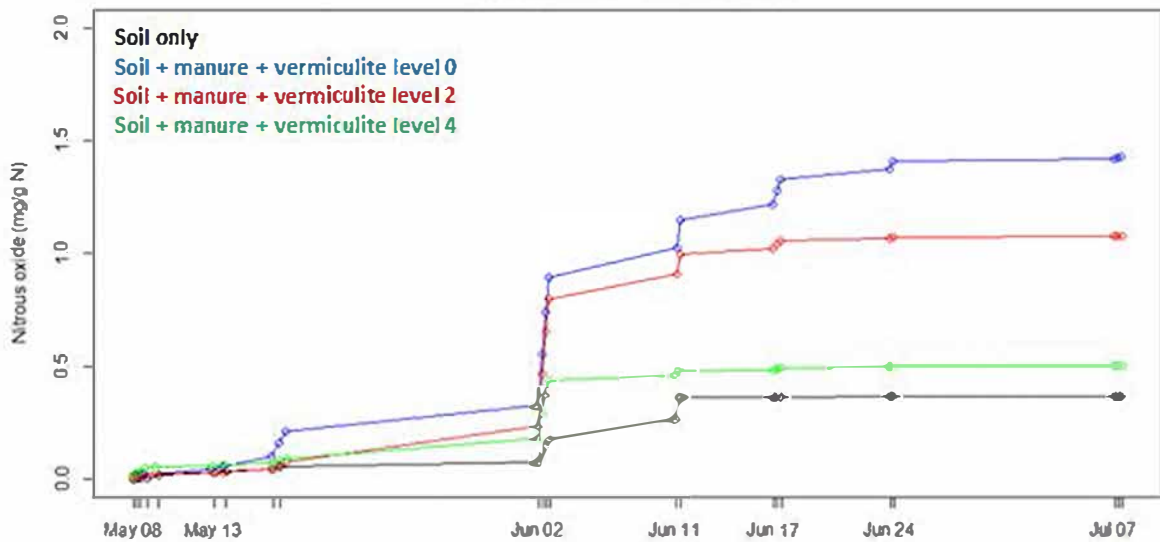
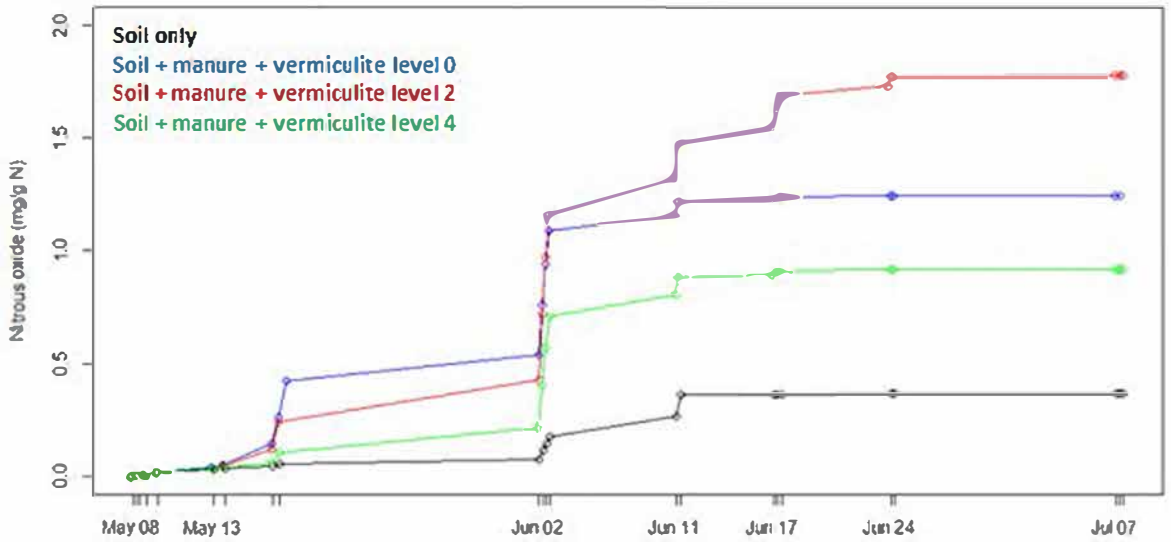


Fig. S9. Cumulative measured N₂O fluxes from the egg manure and Sodosol amendments. Points are combined measurements from duplicate pots. Refer to Table 1 for vermiculite addition levels.

Sodosol Urea – 50 kg N/ha



Sodosol Urea – 150 kg N/ha

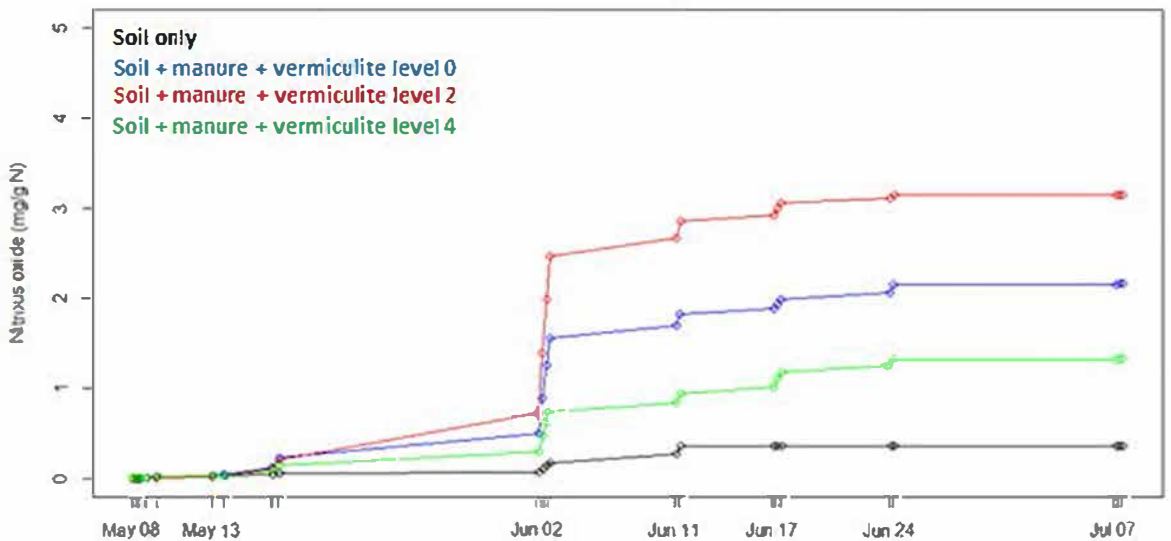


Fig. S10. Cumulative measured N₂O fluxes from the urea and Sodosol amendments. Points are combined measurements from duplicate pots. Refer to Table 1 for vermiculite addition levels.