

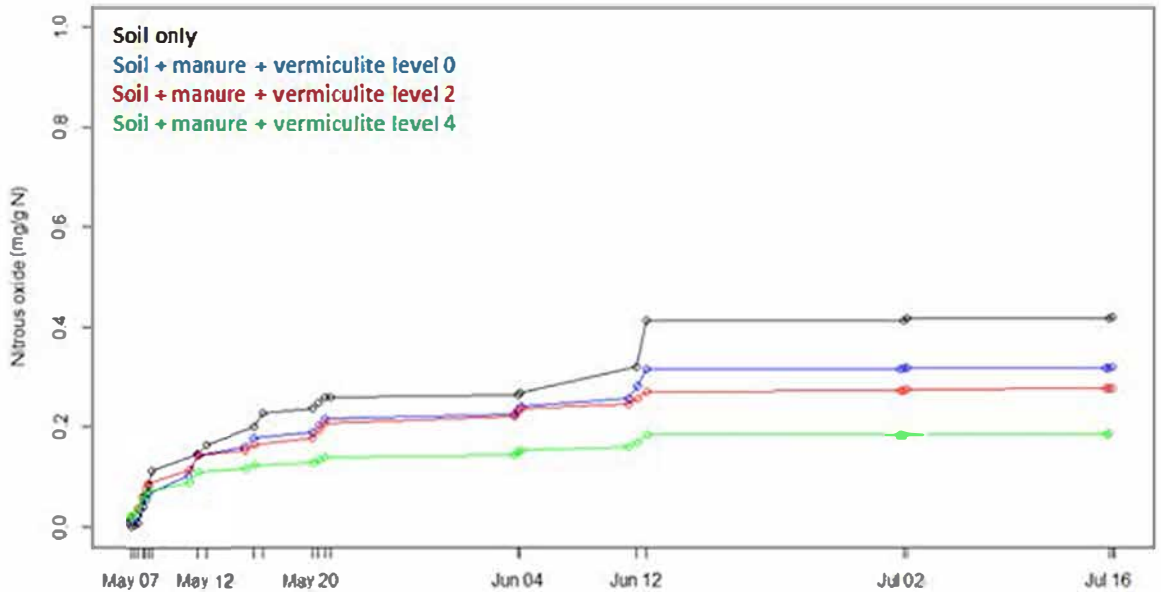
**A novel and effective technology for mitigating nitrous oxide emissions from land-applied manures**

*Jaye Hill<sup>A</sup>, Matthew Redding<sup>A</sup> and Chris Pratt<sup>A</sup>*

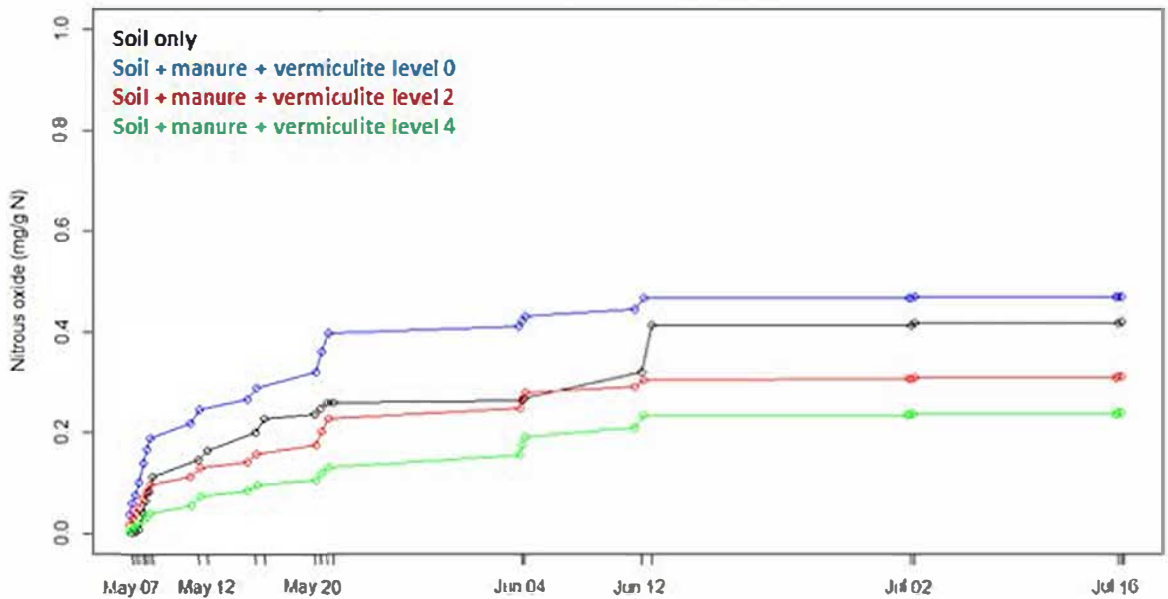
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Ferrosol  
Beef manure – 50 kg N/ha

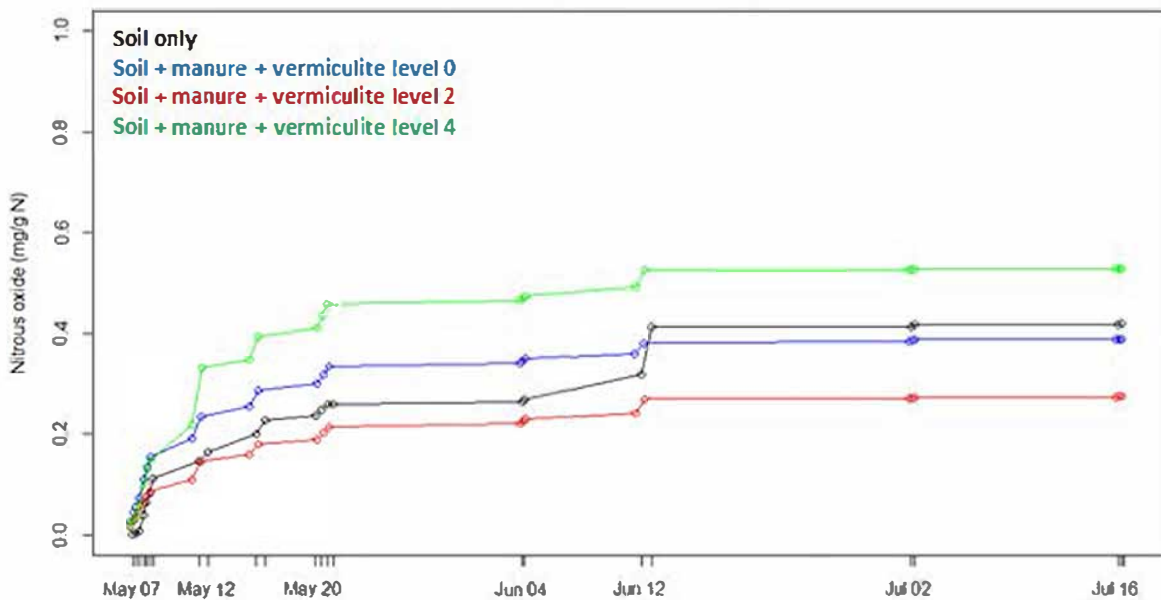


Ferrosol  
Beef manure – 150 kg N/ha

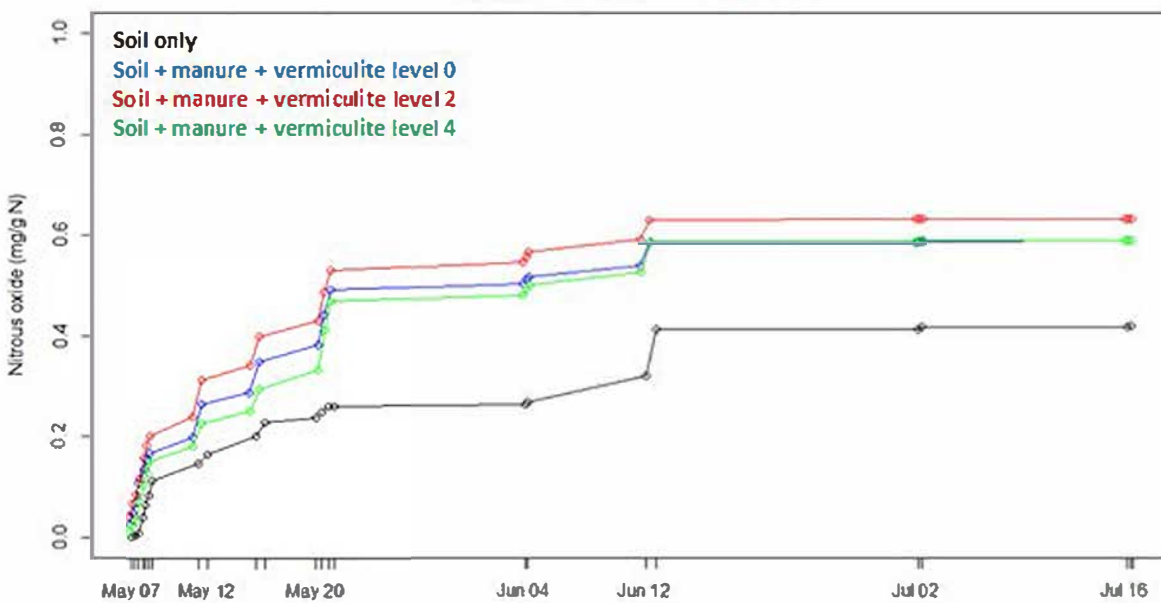


**Fig. S1.** Cumulative measured N<sub>2</sub>O fluxes from the beef manure and Ferrosol amendments. Points are combined measurements from duplicate pots. Refer to Table 1 for vermiculite addition levels.

### Ferrosol Spent pig litter – 50 kg N/ha

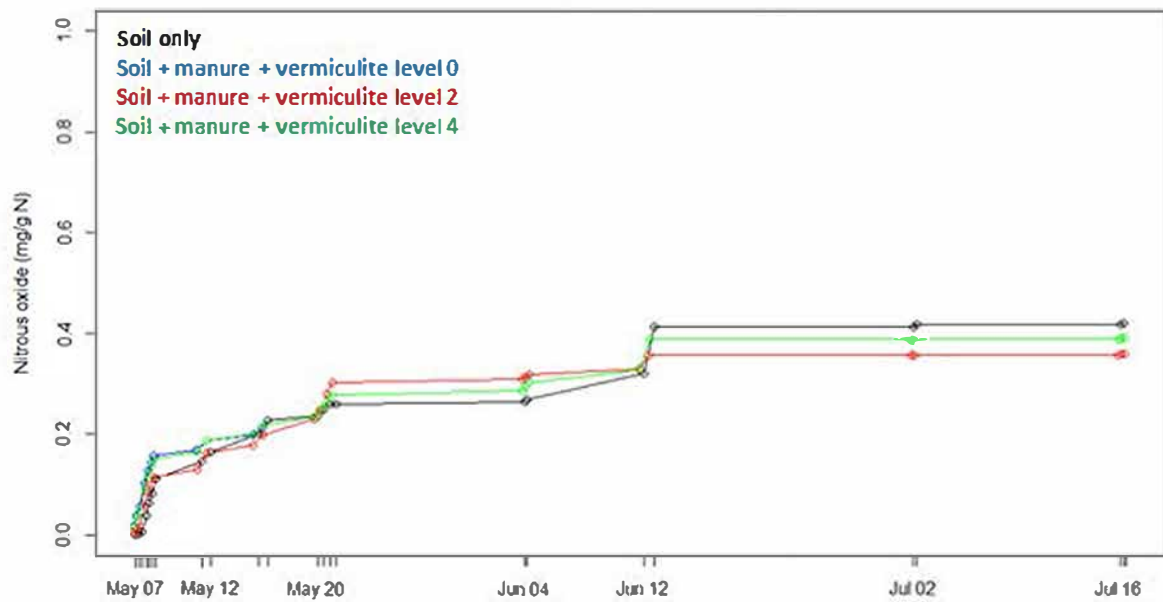


### Ferrosol Spent pig litter – 150 kg N/ha

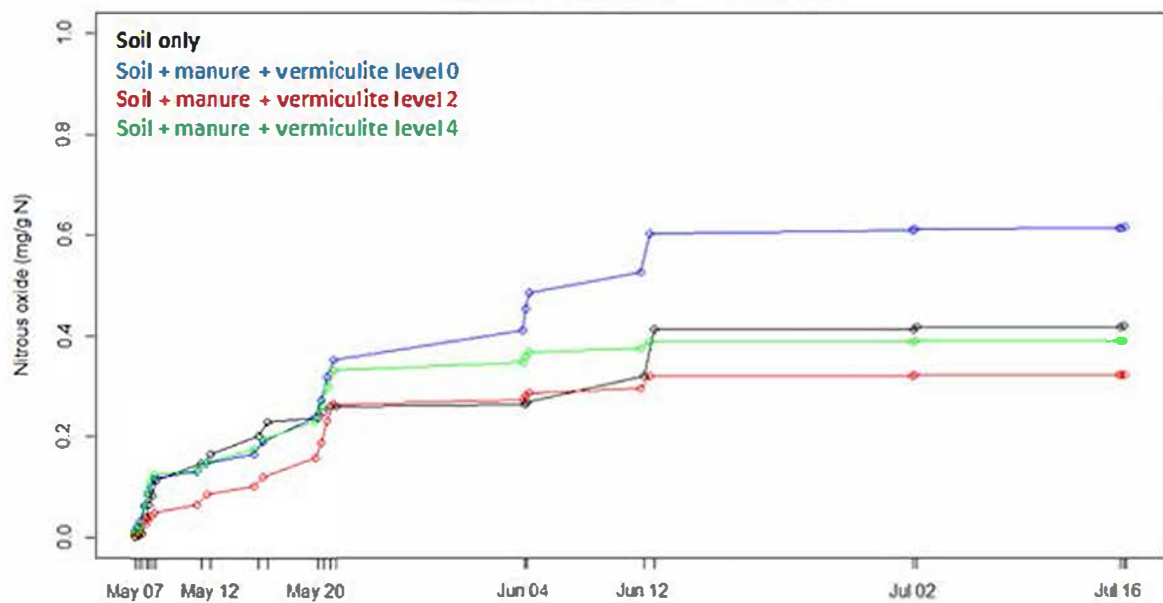


**Fig. S2.** Cumulative measured N<sub>2</sub>O fluxes from the spent pig litter and Ferrosol amendments. Points are combined measurements from duplicate pots. Refer to Table 1 for vermiculite addition levels.

### Ferrosol Spent poultry litter – 50 kg N/ha

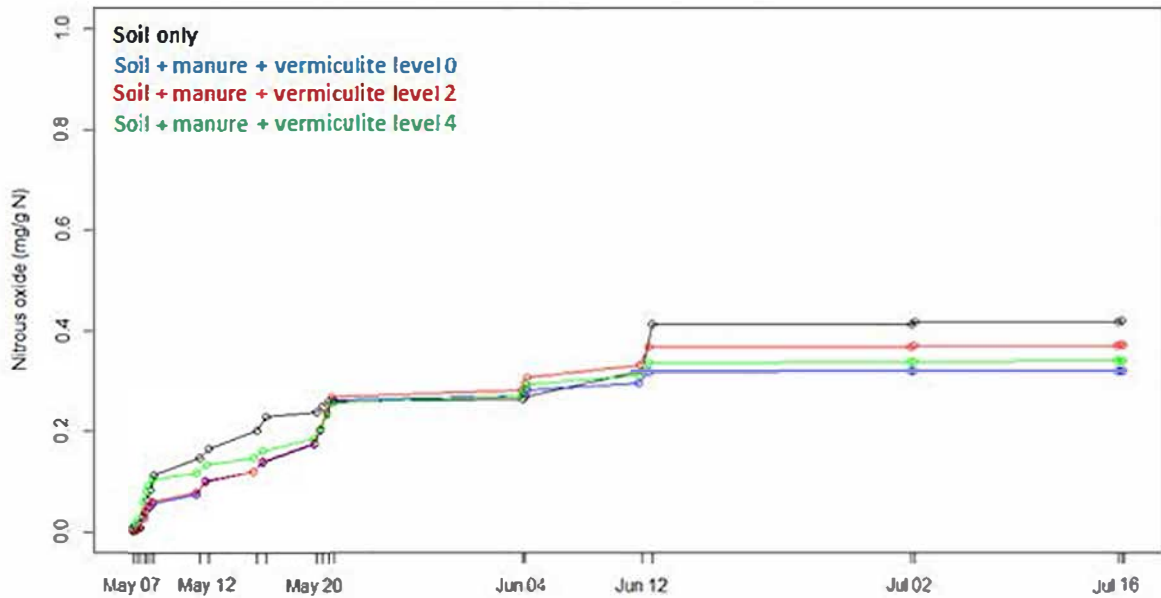


### Ferrosol Spent poultry litter – 150 kg N/ha

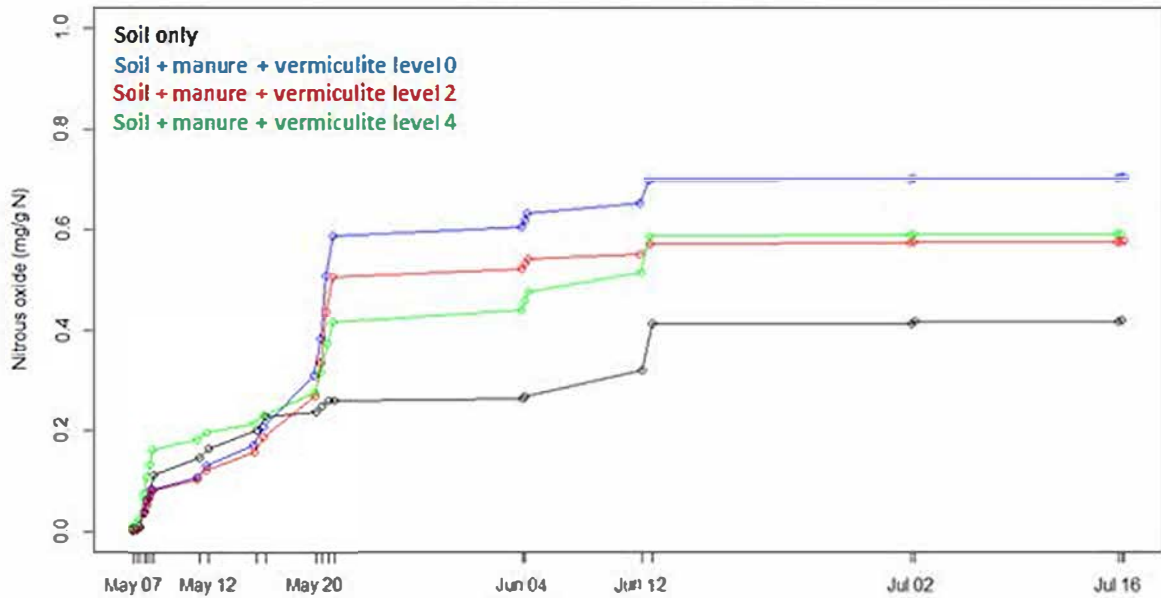


**Fig. S3.** Cumulative measured N<sub>2</sub>O fluxes from the spent poultry litter and Ferrosol amendments. Points are combined measurements from duplicate pots. Refer to Table 1 for vermiculite addition levels.

Ferrosol  
Egg manure – 50 kg N/ha



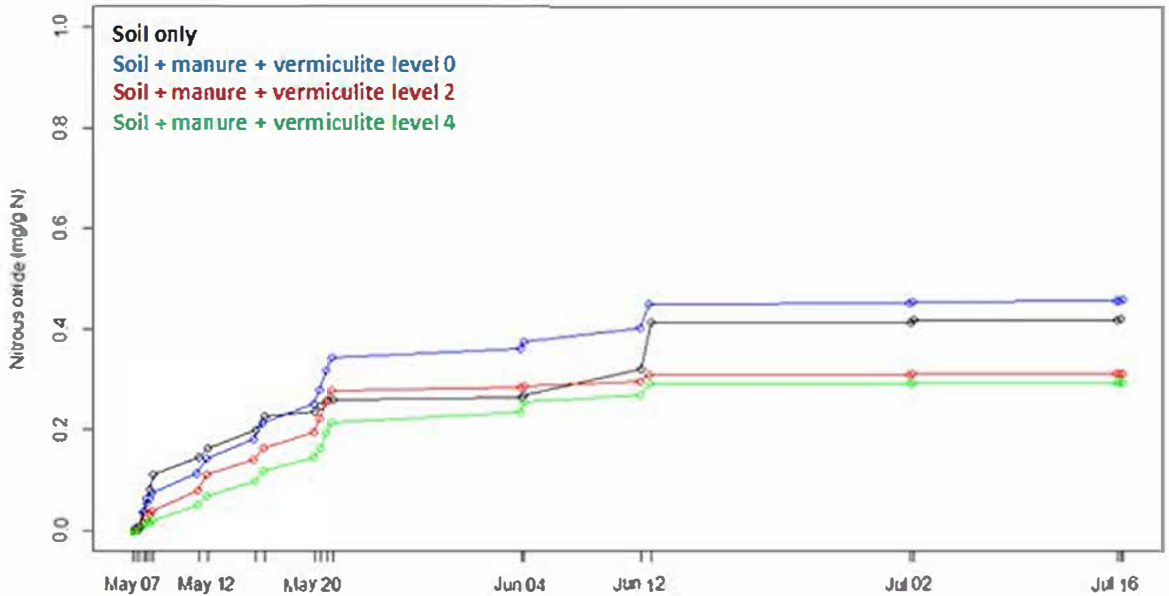
Ferrosol  
Egg manure – 150 kg N/ha



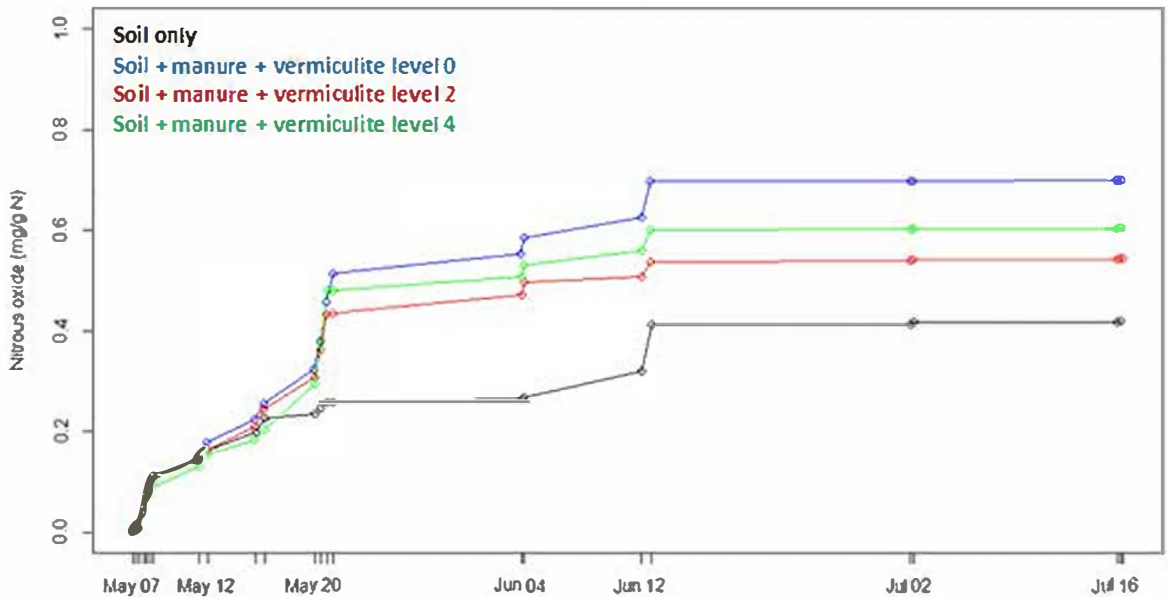


**Fig. S4.** Cumulative measured N<sub>2</sub>O fluxes from the egg manure and Ferrosol amendments. Points are combined measurements from duplicate pots. Refer to Table 1 for vermiculite addition levels.

Ferrosol  
Urea – 50 kg N/ha

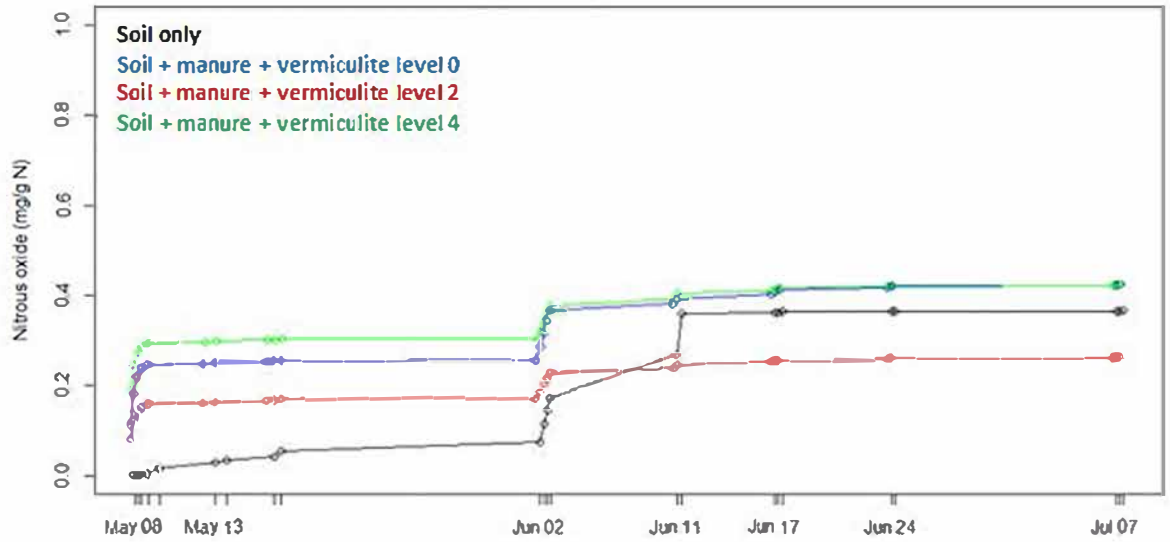


Ferrosol  
Urea – 150 kg N/ha

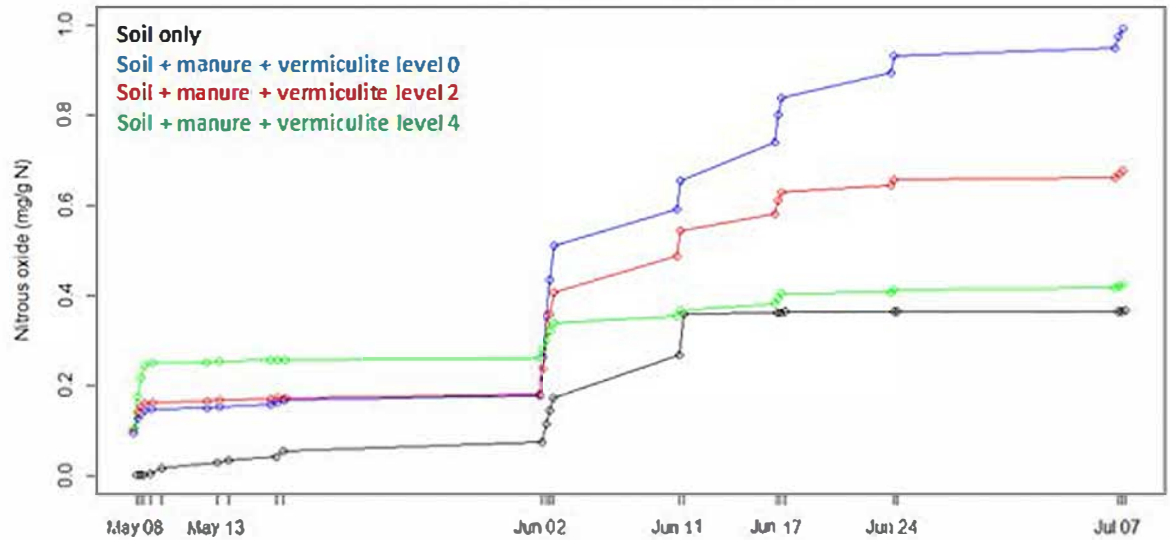


**Fig. S5.** Cumulative measured N<sub>2</sub>O fluxes from the urea and Ferrosol amendments. Points are combined measurements from duplicate pots. Refer to Table 1 for vermiculite addition levels.

### Sodosol Beef manure – 50 kg N/ha

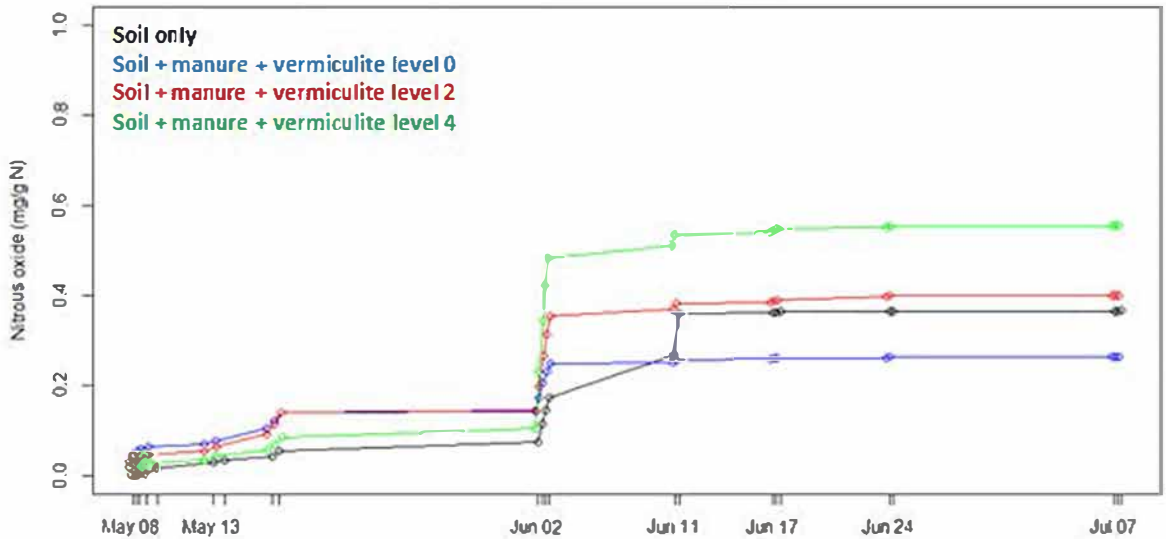


### Sodosol Beef manure – 150 kg N/ha

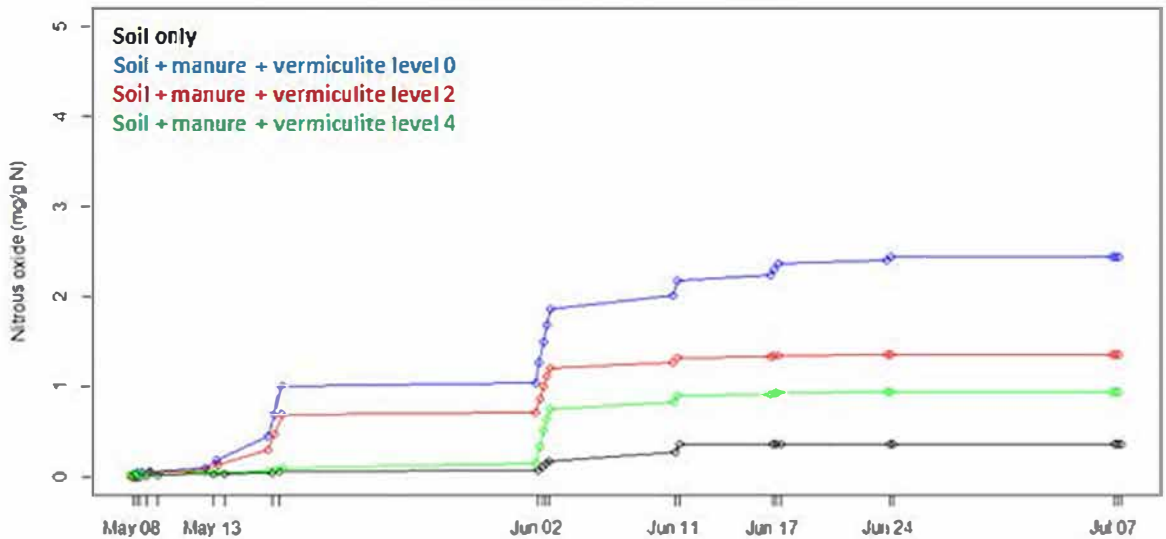


**Fig. S6.** Cumulative measured N<sub>2</sub>O fluxes from the beef manure and Sodosol amendments. Points are combined measurements from duplicate pots. Refer to Table 1 for vermiculite addition levels.

**Sodosol**  
**Spent pig litter – 50 kg N/ha**

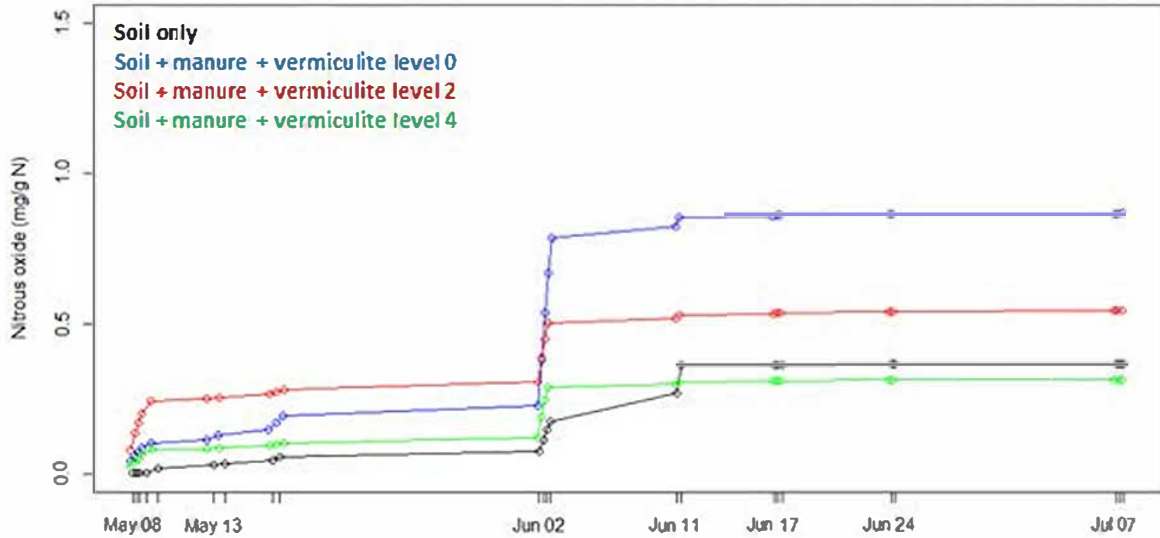


**Sodosol**  
**Spent pig litter – 150 kg N/ha**

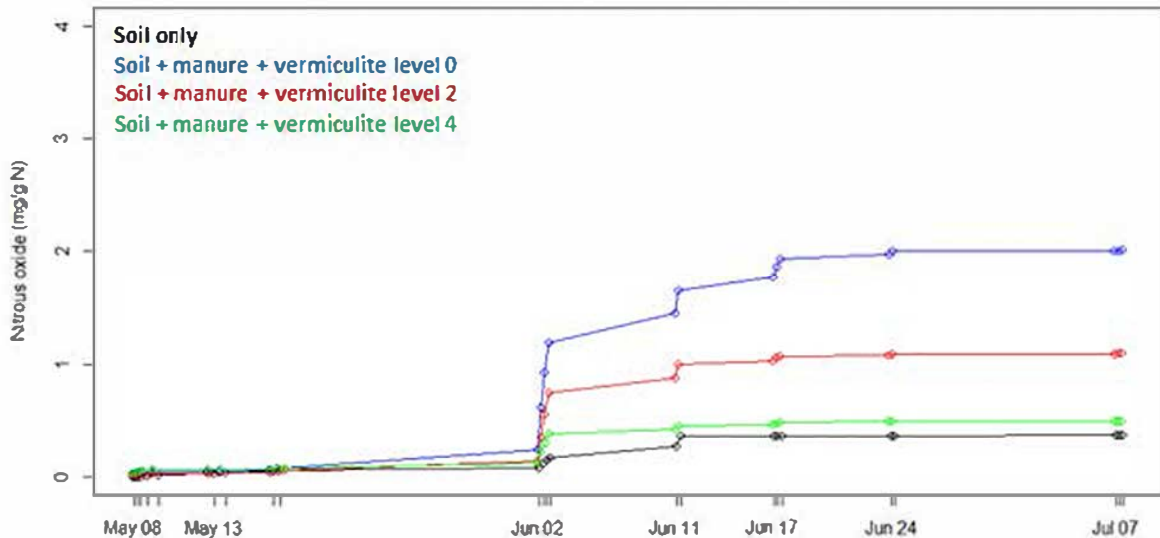


**Fig. S7.** Cumulative measured N<sub>2</sub>O fluxes from the spent pig litter and Sodosol amendments. Points are combined measurements from duplicate pots. Refer to Table 1 for vermiculite addition levels.

### Sodosol Spent poultry litter – 50 kg N/ha



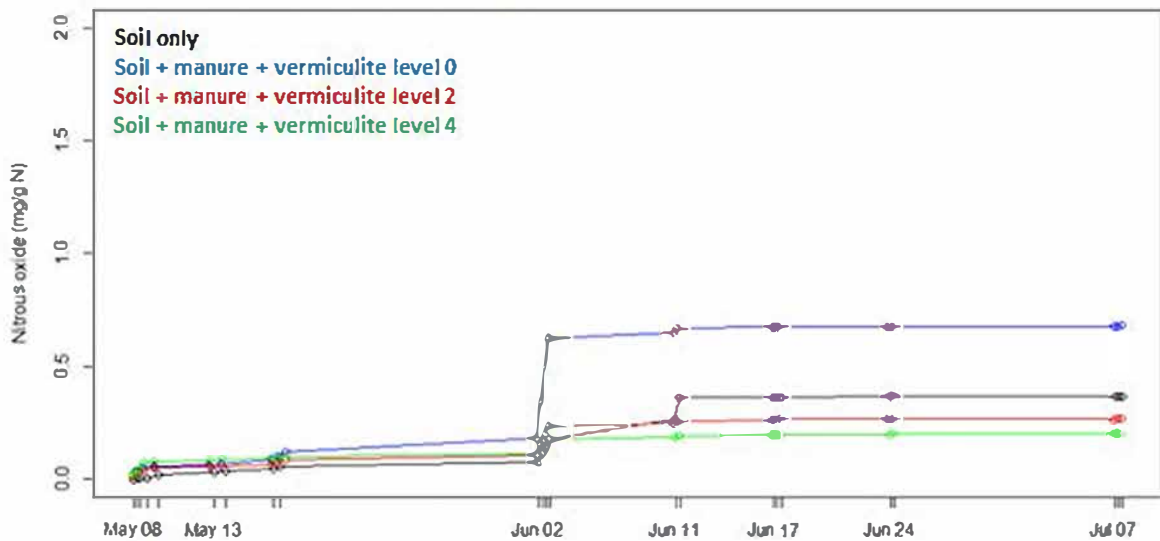
### Sodosol Spent poultry litter – 150 kg N/ha



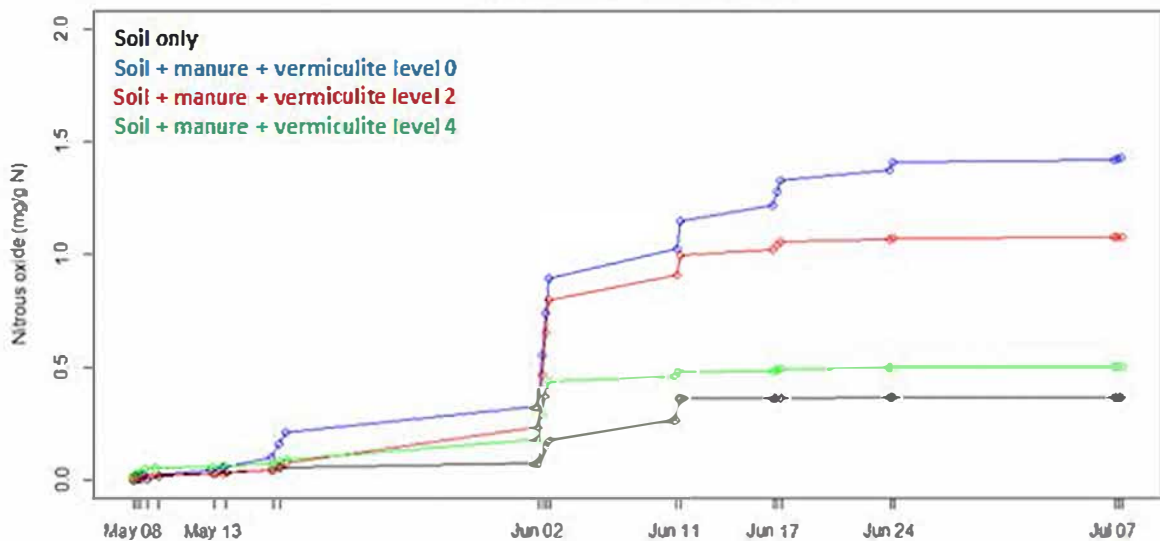


**Fig. S8.** Cumulative measured N<sub>2</sub>O fluxes from the spent poultry litter and Sodosol amendments. Points are combined measurements from duplicate pots. Refer to Table 1 for vermiculite addition levels.

### Sodosol Egg manure – 50 kg N/ha

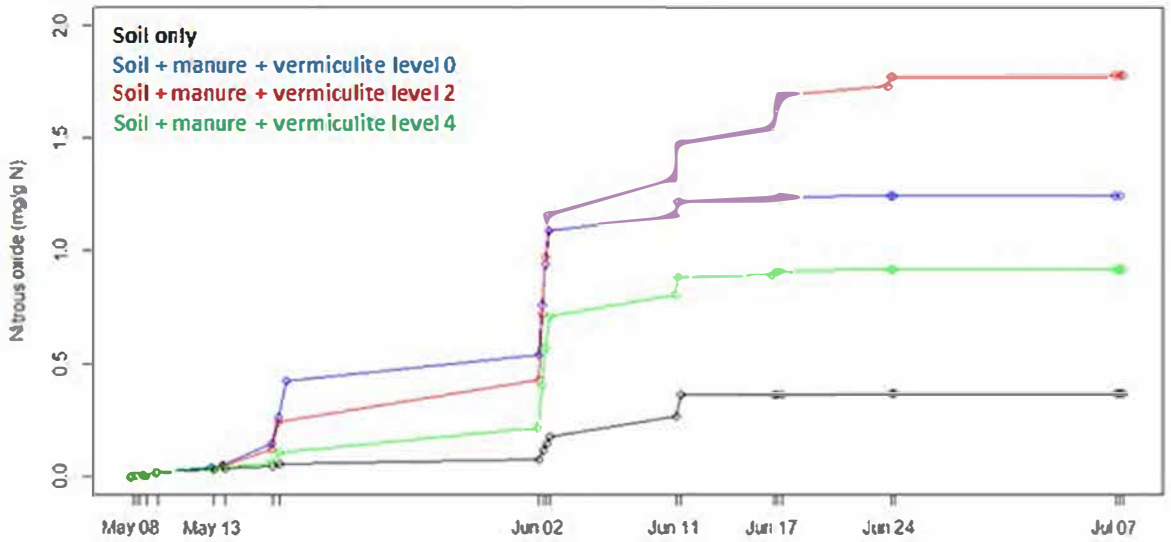


### Sodosol Egg manure – 150 kg N/ha

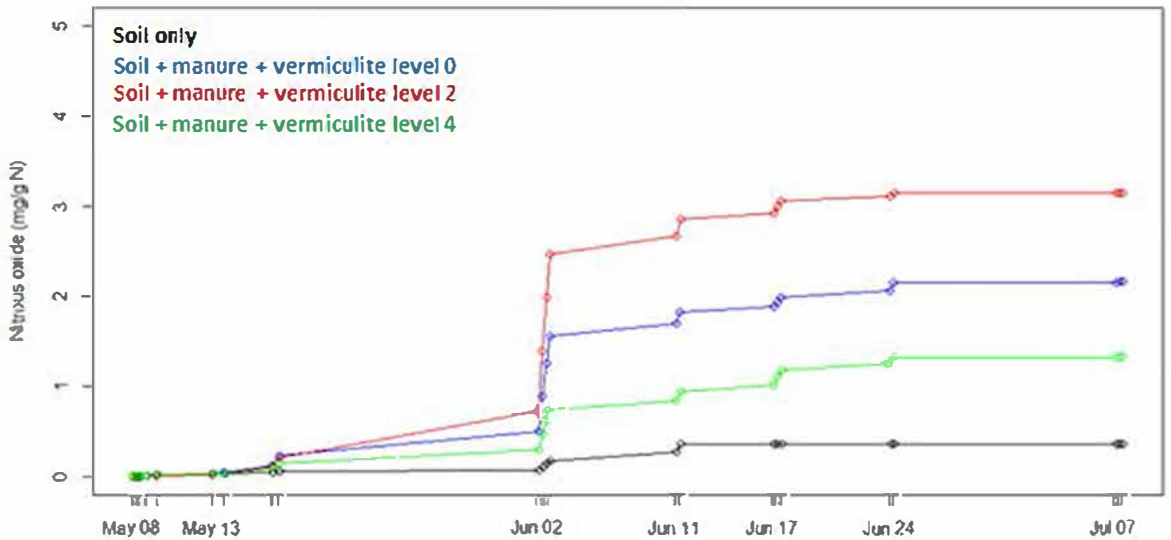


**Fig. S9.** Cumulative measured N<sub>2</sub>O fluxes from the egg manure and Sodosol amendments. Points are combined measurements from duplicate pots. Refer to Table 1 for vermiculite addition levels.

### Sodosol Urea – 50 kg N/ha



### Sodosol Urea – 150 kg N/ha



**Fig. S10.** Cumulative measured N<sub>2</sub>O fluxes from the urea and Sodosol amendments. Points are combined measurements from duplicate pots. Refer to Table 1 for vermiculite addition levels.