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Landcare Research

A small-scale micrometeorological method for comparison of emissions from treated plots

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Why paddock-scale?

- spatially integrate emissions
- be rapid and continuous and able to capture potentially episodic emissions
- be non-intrusive of atmosphere surrounding source
- allow for comparative assessment of treatments
- assess treatment emissions against an untreated “background”

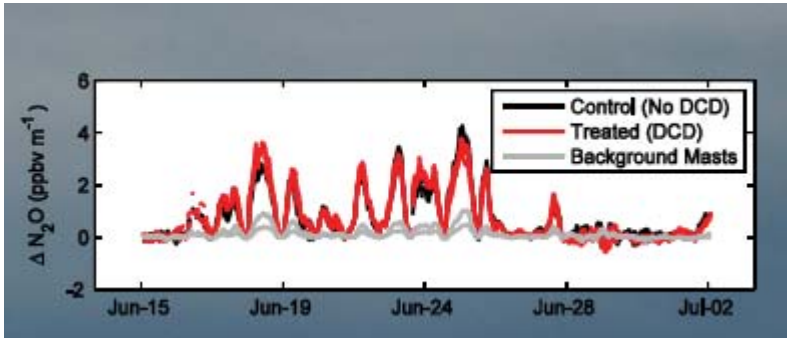
In this experiment we compare two treatments:

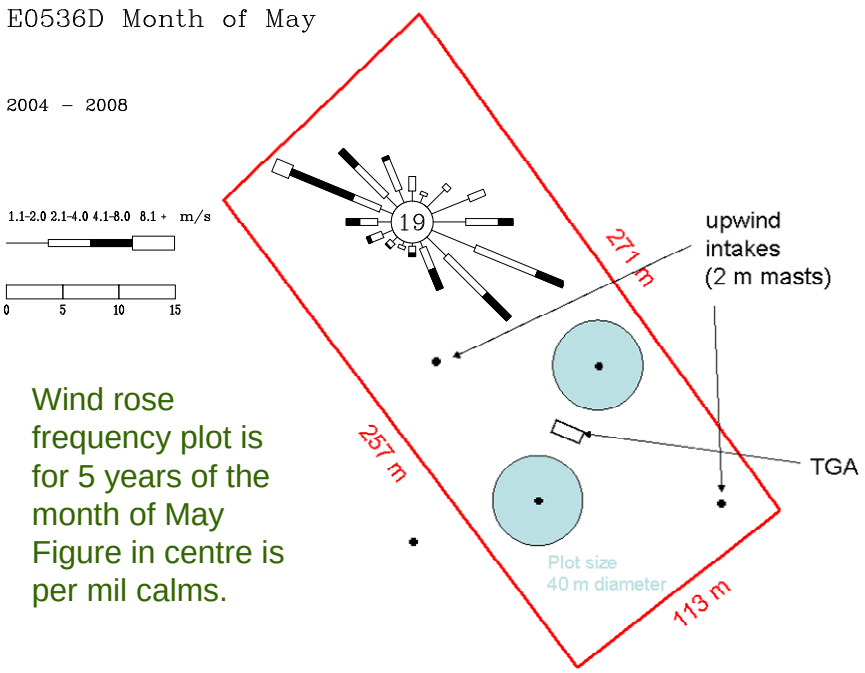
- 1/ Grazing plus DCD,
- 2/ Grazing without DCD

against:

- 3/ “Background” pasture not recently grazed or treated with DCD.

A micrometeorological configuration to concurrently examine emissions from multiple sites





Wind rose frequency plot is for 5 years of the month of May Figure in centre is per mil calms.