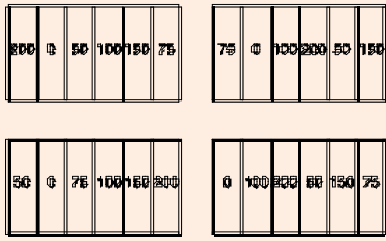


# From the Field to the Community: Estimating N Gas Emissions on a Village Scale

Emily Sorensen, Jonathan Hickman, Clare Sullivan, Sean Smukler

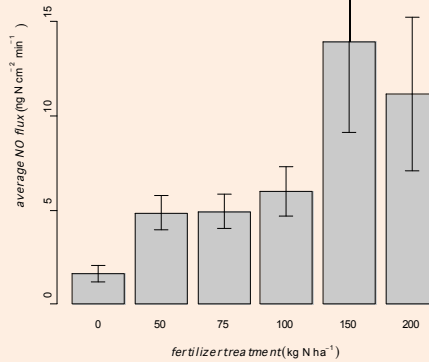
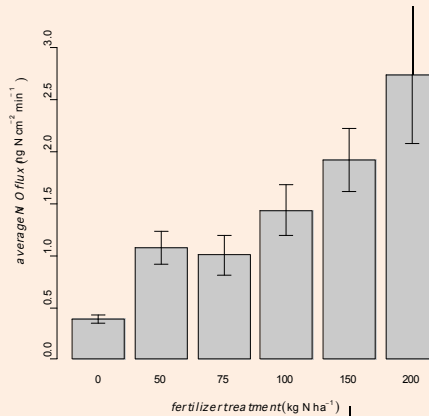
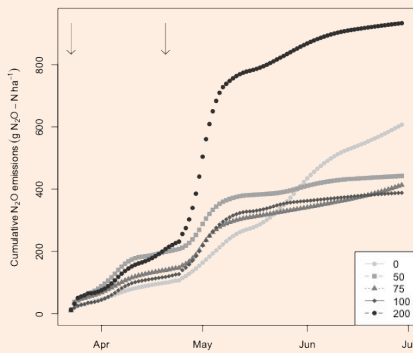
Tropical Agriculture and Rural Environment Program, Earth Institute, Columbia University



Layout of fertilizer treatments in kg/ha.



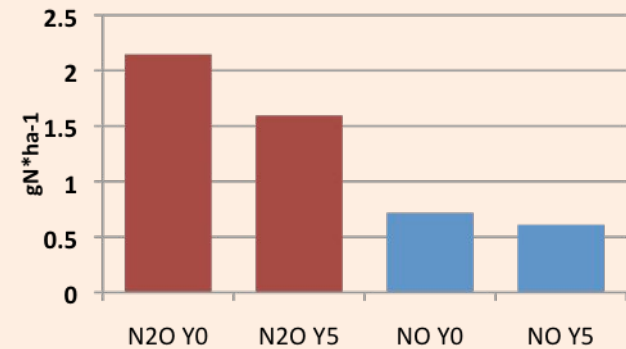
Cumulative N<sub>2</sub>O emissions (g/ha) for each kg/ha treatment (2010 data)



Average emissions per minute for each kg/ha treatment after complete fertilizer application. N<sub>2</sub>O top, NO bottom.

Y<sub>0</sub> and Y<sub>5</sub> represent the surveys conducted before and after intervention

N Gas Emissions per Kilogram Yield



N Gas Emissions per Season

