

**Reading response guide 4 – DISCUSSION Friday, 4-23-10**

**Reich, P.B., S.E. Hobbie, T. Lee, D.S. Ellsworth, J.B. West, D. Tilman, J.M.H. Knops, S. Naeem, and J. Trost. 2006. Nitrogen limitation constrains sustainability of ecosystem response to CO<sub>2</sub>. Nature 440:922-925.**

What to think about: Read both the paper and ALL of the supplemental material (just a few more figures and some detail about the experimental methods). Think about, **but don't write about**, how well information from an experimental study like this one will translate to knowledge about how ecosystems will respond to CO<sub>2</sub> increase more generally. What are the strengths and limitations? We will discuss this in class.

What to write about: This report can be VERY short, considering everything else you have to work on at this point. Examine figure 1 very closely. Notice that panel b plots the "CO<sub>2</sub> effect" on the Y-axis, while panel c plots the "N effect on the CO<sub>2</sub> effect." How are the values calculated? What do they mean?

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