

Interactive comment on “Soil Denitrifier Community Size Changes with Land Use Change to Perennial Bioenergy Cropping Systems” by K. A. Thompson et al.

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Interesting and informative findings on the use of perennial grasses as bioenergy crops. Well researched current literature. Molecular-based microbial community analysis revealed important differences in the denitrification cycling from these field trials. An important step in moving towards sustainable energy (bioenergy) with reduced GHG emissions.

Minor spelling errors:

1. page 2: "However, the size of the total (16S rRA) and denitrifying BACTERIAL communities changed differently over time"

C1

2. page 8 (section 2.4): NITRITE instead of nitrate "The first step in denitrification that produces a gaseous N product is the reduction of nitrate (NO₂⁻) to nitric oxide (NO), catalyzed by nitrite reductases"

Interactive comment on SOIL Discuss., doi:10.5194/soil-2016-34, 2016.

C2