Nitrogen Newsletter is a summary of recent publications, news and reports related to the cycling, effects and management of nitrogen. Prepared by Mary O’Brien, contractor with ASRC Federal Primus, and Jana Compton. Contact Jana Compton with any questions (Compton.jana@epa.gov)

Please note: Most of these links are available to EPA staff through library access – not all links will be available to folks outside EPA, depending on your access to specific journals and websites.

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Special Issues


Articles

Anderson TR, Goodale CL, Groffman PM, Walter MT. 2014. **Assessing denitrification from seasonally saturated soils in an agricultural landscape: a farm-scale mass-balance approach.** Agr Ecosyst Environ 189: 60-69. 2014. Available from: [http://dx.doi.org/10.1016/j.agee.2014.03.026](http://dx.doi.org/10.1016/j.agee.2014.03.026)

Bender SF, Plantenga F, Neftel A, Jocher M, Oberholzer HR, Kohl L, Giles M, Daniell TJ, van der Heijden, MGA. 2014. **Symbiotic relationships between soil fungi and plants reduce N2O emissions from soil.** ISME J 8(6): 1336-1345. Available from: [http://dx.doi.org/10.1038/ismej.2013.224](http://dx.doi.org/10.1038/ismej.2013.224)


Boltersdorf SH, Werner W. 2014. **Lichens as a useful mapping tool?–an approach to assess atmospheric N loads in Germany by total N content and stable isotope signature.** Environ Monit Assess 186(8): 4767-4778. Available from: [http://dx.doi.org/10.1007/s10661-014-3736-3](http://dx.doi.org/10.1007/s10661-014-3736-3)


Kiel BA, Cardenas MB. 2014. *Lateral hyporheic exchange throughout the Mississippi River network*. Nat Geosci 7(6): 413-417. Available from: [http://dx.doi.org/10.1038/NGEO2157](http://dx.doi.org/10.1038/NGEO2157)


Syswerda SP, Robertson GP. 2014. Ecosystem services along a management gradient in Michigan (USA) cropping systems. Agr Ecosyst Environ 189: 28-35. Available from: [http://dx.doi.org/10.1016/j.agee.2014.03.006](http://dx.doi.org/10.1016/j.agee.2014.03.006)


News


For Bloomberg BNA subscribers (including EPA staff):


For Greenwire subscribers (including EPA staff):


Huizen J. Science: fern that may have saved the planet finds new fame and maybe fortune. ClimateWire 2014 Jul 15. Available from: http://www.eenews.net/climatewire/stories/1060002833/

Huizen J. Science: how researchers unearthed the saga of a tiny fern that may have saved the planet. ClimateWire 2014 Jul 14. Available from: http://www.eenews.net/climatewire/stories/1060002785/


**Reports**


**Web Pages**

National Association of Manufacturers. **Ozone Regulations** [Internet]. Available from: http://www.nam.org/ozone

**The Iowa Policy Project** [Internet]. Available from: http://www.iowapolicyproject.org