

Alert No. 42 (19 November 2015)

1. **Soil carbon restoration: can biology do the job? By Jack Kitterage. Northeast Organic Farming Association/Massachusetts Chapter, Inc. (August 2015).**
2. **A set of eight articles by Howard Buffett. (1) You can listen to the academics, or you can listen to the farmers. (2) Africa's no-till revolution. (3) No-till African style. (4) We are treating soil like dirt: It's a fatal mistake. (5) One farmer's story of Conservation Agriculture. (6) What does a \$100 billion asset manager say farmers should invest in? Soil. (7) Losing the farm. (8) Assessing Africa's real potential for agriculture (2015).**
3. **Carbon sequestration in soil. By Rattan Lal et al. Environmental Sustainability 15:79–86 (2015).**
4. **Soil carbon stocks in conservation agriculture systems of Southern Africa. By Stephanie Cheesman et al. Soil & Tillage Research 156: 99–109 (2016).**
5. **Short-term conservation agriculture and biomass-C input impacts on soil C dynamics in a savanna ecosystem in Cambodia. By Lyda Hok et al. Agriculture, Ecosystems and Environment 214:54–67 (2015).**
6. **Minimum tillage unpuddled transplanting: An alternative crop establishment strategy for rice in conservation agriculture cropping systems. By Md. Enamul Haque et al. Field Crops Research 185:31–39 (2016).**
7. **Overview of the worldwide spread of Conservation Agriculture. By A, Kassam et al. Facts Reports 8 (2015).**
8. **Nitrogen management for zero till wheat with surface retention of rice residues in north-west India. By Yadvinder-Singh et al. Field Crops Research 183-191 (2015).**

9. [Beyond conservation agriculture. By K. Giller et al. *Frontiers in Plant Science* 6:2-14 \(2015\).](#)
10. [Conservation tillage is not Conservation Agriculture. By D. Reicosky. *Journal of Soil and Water Conservation* 70 \(5\):101A-108A \(2015\).](#)
11. [Management influence on maize–wheat system performance, water productivity and soil biology. By H.S. Jat et al. *Soil Use and Management. British Society of Soil Science* \(2015\).](#)
12. [Cover cropping and the “4 per thousand” proposal. By Rattan Lal. *Journal of Soil and Water Conservation: 70 \(6\): 141 \(2015\).*](#)
13. [Climate change adaptation, greenhouse gas mitigation and economic profitability of conservation agriculture: Some examples from cereal systems of Indo-Gangetic Plains. By Tek B Sapkota et al. *Journal of Integrative Agriculture* 14\(8\): 1524–1533 \(2015\).](#)
14. [Soil – A precious natural resource. Published by National Research Programme “Sustainable Use of Soil as a Resource” \(NRP 68\), Swiss Federal Office for the Environment \(FOEN\), Swiss Federal Office for Agriculture \(FOAG\), and Swiss Federal Office for Spatial Development \(ARE\).](#)
15. [Soil food web properties explain ecosystem services across European land use systems. By Franciska T. de Vries et al. *PNAS* 110 \(35\): 14296-14301 \(2013\).](#)
16. [Conservation agriculture and drought-tolerant germplasm: Reaping the benefits of climate-smart agriculture technologies in central Mozambique. By Chritian Thierfelder et al. *Renewable Agriculture and Food Systems, Cambridge University Press, pp. 1-15 \(2015\).*](#)
17. [Development and evaluation of the Turbo Happy Seeder for sowing wheat into heavy rice residues in NW India. By H.S. Sidhu et al. *Field Crops Research* \(2015\).](#)
18. **Up-dating Conservation Agriculture Database in AquaStat, FAO.**

The CA land area database is updated periodically based on the feedback received from our regular sources of information. These include: official government sources, no-till associations, NGOs, national and international research institutes, and informed individuals. The information is posted in

AquaStat. The latest figures (update 2013) can be seen at the FAO CA-Website at (<http://www.fao.org/ag/ca/6c.html>).

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