**Global CA-CoP CONSERVATION AGRICULTURE COMMUNITY OF PRACTICE**

***for sustainable production intensification and land management***

**Alert No. 48 (12 March 2017)**

1. [**No-till and conservation agriculture in the United States: An example from the David Brandt farm, Carroll, Ohio. By R. Islam and R. Reeder, International Soil and Water Conservation Research, Vol. 2(1): 97-107. (2014).**](ftp://ext-ftp.fao.org/ag/Data/agp/Friedrich/Alert%2048/David%20Brandt%20farm%20-%20Islam%20and%20Reeder.pdf)
2. [**Fifteen years of no till increase soil organic matter, microbial biomass and arthropod diversity in cover crop-based arable cropping systems. By Tek Sapkota, Mazzoncini, B`arberi, Antichi, Silvestri. Agron. Sustain. Dev. 32:853-863 (2012)**](ftp://ext-ftp.fao.org/ag/Data/agp/Friedrich/Alert%2048/Fifteen%20years%20of%20no%20till%20increase%20soil%20organic%20matter,%20microbial%20biomass,%20and%20arthropod%20diversity,%202012.pdf)**.**
3. [**Cross-Site Soil Microbial Communities under Tillage Regimes: Fungistasis and Microbial Biomarkers. By T. Sipila et al. Appl. Environ. Microbiol. 78(23):819 (2012).**](ftp://ext-ftp.fao.org/ag/Data/agp/Friedrich/Alert%2048/Tillage%20impacts%20on%20bacteria%20&%20fungi%20Finland%20Sipil+%F1%20et%20al.%20%20AEM%20Alakukku%202012.pdf)
4. [**Food security in a changing climate. By Rattan Lal. Ecohydrology & Hydrobiology 13: 8–21 (2013).**](ftp://ext-ftp.fao.org/ag/Data/agp/Friedrich/Alert%2048/Food%20security%20in%20a%20changing%20climate%5b13%5d%5b2%5d%5b2%5d%5b2%5d.pdf)
5. [**Meta-analysis approach to assess effect of tillage on microbial biomass and enzyme activities. By Stacy Zuber and Maria Villamil. Soil Biology & Biochemistry 97: 176-187 (2016).**](ftp://ext-ftp.fao.org/ag/Data/agp/Friedrich/Alert%2048/Tillage%20effects%20on%20microbial%20biomass%20&%20enzyme%20activity%20meta%20analysis%20Zuber%20and%20Villamil%202016.pdf)
6. [**Planting date and yield benefits from conservation agriculture practices across Southern Africa. By Isaiah Nyagumbo et al. Agricultural Systems 150: 21-33 (2017).**](ftp://ext-ftp.fao.org/ag/Data/agp/Friedrich/Alert%2048/Nyagumb%20%20et%20al%20planting%20date%20and%20yield%20southern%20Africa%20Agric%20Syst%202017.pdf)
7. [**Inaugural No-till show and Conference: A Vision for the Future. By Brian Sims (2016).**](ftp://ext-ftp.fao.org/ag/Data/agp/Friedrich/Alert%2048/Brian%20Sims%20No-till%20show%20draft%201.pdf)
8. [**Agricultural Mechanization: A key input for sub-Saharan African smallholders. By Brian Sims et al. Integrated Crop Management Vol. 23 (2016).**](ftp://ext-ftp.fao.org/ag/Data/agp/Friedrich/Alert%2048/Mechanization%20in%20Africa%20Sims%20et%20al.pdf)
9. [**The potential for companion cropping on UK arable farms. By Andrew Howard. A Nuffield Farming Scholarships Trust Report (2016).**](ftp://ext-ftp.fao.org/ag/Data/agp/Friedrich/Alert%2048/Andrew-Howard-report-2015.pdf)
10. **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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