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

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

**Alert No. 52 (9 October2017)**

1. [**Advances in residue management mechanisms of zero-tillage planters. By Kojo Atta Aikins et al. Paper No.: 1700449. St. Joseph, MI.: ASABE (2017).**](ftp://ext-ftp.fao.org/ag/data/agp/friedrich/Alert%2052/Aikins%20et%20al.%202017_Paper%20No.%201700449.pdf)
2. [**How seeding cover crops can slash your fertilizer bills. By John Dobberstein. No-Till Farmer (2017).**](ftp://ext-ftp.fao.org/ag/data/agp/friedrich/Alert%2052/NTF_eBook_How-Seeding-Cover-Crops-Can-Slash-Your-Fertilizer-Bills_0617-1.pdf)
3. [**Reply to ‘No-till agriculture and climate-change mitigation. By Clair Stirling et al. Opinion and Comment. Nature Climate Change 5: 448-449 (2015).**](ftp://ext-ftp.fao.org/ag/data/agp/friedrich/Alert%2052/Reply%20to%20Plowson%20nclimate2653.pdf)
4. [**Agro-ecological functions of crop residues under conservation agriculture. A review. By Lalaina Ranaivoson et al. Agron. Sustain. Dev. 37:26 (2017).**](ftp://ext-ftp.fao.org/ag/data/agp/friedrich/Alert%2052/Agroecological%20functions%20of%20crop%20residues10.1007@s13593-017-0432-z.pdf)
5. [**Can conservation agriculture improve crop water availability in an erratic tropical climate producing water stress? A simple model applied to upland rice in Madagascar. By Guillaume Bruelle et al. Agricultural Water Management 192: 281–293 (2017).**](ftp://ext-ftp.fao.org/ag/data/agp/friedrich/Alert%2052/Can%20CA%20improve%20water%20availability10.1016@j.agwat.2017.07.020.pdf)
6. [**Conservation Agriculture: Making climate change mitigation and adaptation real in Europe. By Emilio Sanchez-Gonzalez et al. European Conservation Agriculture Federation (ECAF) (2017).**](ftp://ext-ftp.fao.org/ag/data/agp/friedrich/Alert%2052/Conservation_Agriculture_climate_change_report.pdf)
7. [**Proceedings of the Global Symposium on Soil Organic Carbon. FAO (2017).**](ftp://ext-ftp.fao.org/ag/data/agp/friedrich/Alert%2052/Global%20Symposium%20on%20SOC%20FAO%20a-i7565e.pdf)
8. [**Unlocking the [potential of soil organic carbon: Outcome document of the Global Symposium on Soil Organic Carbon. FAO (2017).**](ftp://ext-ftp.fao.org/ag/data/agp/friedrich/Alert%2052/Unlocking%20the%20potential%20of%20SOC%20b-i7268e.pdf)
9. [**Soil organic carbon: The hidden potential. By Lefevere Clara et al. FAO (2017).**](ftp://ext-ftp.fao.org/ag/data/agp/friedrich/Alert%2052/Organic%20carbon%20hidden%20potential%20a-i6937e.pdf)
10. [**Soil organic carbon mapping cookbook. By Yusuf Yigini et al. FAO (2017).**](ftp://ext-ftp.fao.org/ag/data/agp/friedrich/Alert%2052/SOC%20Mapping%20Cookbook%20a-bs901e.pdf)
11. [**Soils’ potential to contribute to offset international aviation emissions. FAO (2017).**](ftp://ext-ftp.fao.org/ag/data/agp/friedrich/Alert%2052/Soils%20potential%20to%20offset%20a-i7235e.pdf)
12. [**Soil Health in field and forage crop production. By Sjoerd Duiker et al. USDA Natural Resources Conservation Service, Penn State University Extension, Capital Resource Conservation & Development, and Clinton County Conservation District.**](ftp://ext-ftp.fao.org/ag/data/agp/friedrich/Alert%2052/Better-Soils-with-the-No-Till-System.pdf)
13. [**Fire-free land use in pre-1492 Amazonian Savannas. By Jose Iriarte et al. PNAS Vol 109 (17): 6473-6478 (2012)**](ftp://ext-ftp.fao.org/ag/data/agp/friedrich/Alert%2052/PNAS-2012-Iriarte-6473-8.pdf)
14. **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 2013/14) can be seen at the FAO CA-Website at: <http://www.fao.org/ag/ca/6c.html>

An interim update for 2015/16 can be found on pages 16-19 of the Proceedings of the 7th World Congress on Conservation Agriculture at:

<https://proceedingswcca.files.wordpress.com/2017/08/7th-wcca_proceedings_final.pdf>

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