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

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

**Alert No. 53 (15 February 2018)**

1. **Climate Smart Agriculture Sourcebook. Summary Second Edition. FAO, Rome (2017).** [**http://www.conservationagriculturedatabase.eu/database/assets/book/1.pdf**](http://www.conservationagriculturedatabase.eu/database/assets/book/1.pdf)

1. **Innovative Viable Solution to Rice Residue Burning in Rice-Wheat Cropping System through Concurrent Use of Super Straw Management System-fitted Combines and Turbo Happy Seeder. Policy Brief No. 2. National Academy of Agricultural Sciences, New Delhi, India (2017).**

[**http://www.conservationagriculturedatabase.eu/database/assets/technical/2.pdf**](http://www.conservationagriculturedatabase.eu/database/assets/technical/2.pdf)

1. **Soil carbon debt of 12,000 years of human land use. By Jonathan Sanderman et al. PNAS 114 (36): 9575-9580 (2017).**

[**http://www.conservationagriculturedatabase.eu/database/assets/paper/3.pdf**](http://www.conservationagriculturedatabase.eu/database/assets/paper/3.pdf)

1. **Networking our science to characterize the state, vulnerabilities, and management opportunities of soil organic matter. By Jennifer W. Harden et al. Global Change Biology 1-17 (2017).**

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1. **The ecology of soil carbon pools, vulnerabilities, and biotic and abiotic control. By Robert Jackson et al. Annu. Rev. Ecol. Evol. Syst. 48:419-445 (2017).**

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   World prepared by Breakthrough Strategies and Solutions (2017).**

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1. **Reducing greenhouse gas emissions in agriculture without compromising food security? By Stefan Frank et al. Environ. Res. Lett.12: 1-14 (2017).**

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1. **An Innovative Versatile Multi-crop Planter for Crop Establishment Using Two-wheel Tractors. By Md Enamul Haque et al. Agricultural Mechanization in Asia, Africa and Latin America 48 (3): 34-39 (2017).**

[**http://www.conservationagriculturedatabase.eu/database/assets/paper/8.pdf**](http://www.conservationagriculturedatabase.eu/database/assets/paper/8.pdf)

1. **Adoption impacts of Conservation Agriculture technology at farm level in Bangladesh. By M. A. Monayem Mia et al. BARI, Bangladesh, ACIAR, Australia and Murdoch University, Australia (2017).**

[**http://www.conservationagriculturedatabase.eu/database/assets/technical/9.pdf**](http://www.conservationagriculturedatabase.eu/database/assets/technical/9.pdf)

1. **Weed control under conservation agriculture in dryland smallholder farming systems of southern Africa. A review. By Nicole Lee and Christian Thierfelder. Agron. Sustain. Dev. 37 (48): 4-25 (2017).**

[**http://www.conservationagriculturedatabase.eu/database/assets/paper/10.pdf**](http://www.conservationagriculturedatabase.eu/database/assets/paper/10.pdf)

1. **The adaptive capacity of maize-based conservation agriculture systems to climate stress in tropical and subtropical environments: A meta-regression of yields. By Peter Steward et al. Agriculture, Ecosystems and Environment 251: 194-202 (2018).** [**http://www.conservationagriculturedatabase.eu/database/assets/paper/11.pdf**](http://www.conservationagriculturedatabase.eu/database/assets/paper/11.pdf)
2. **Can conservation tillage mitigate climate change impacts in Mediterranean cereal systems? A soil organic carbon assessment using long term experiments. By Ileana Iocola et al. European Journal of Agronomy 90@ 96-107 (2017).** [**http://www.conservationagriculturedatabase.eu/database/assets/paper/12.pdf**](http://www.conservationagriculturedatabase.eu/database/assets/paper/12.pdf)
3. **Conservation Agriculture and Soil Carbon Sequestration. By Ch. Srinivasarao et al. In: Conservation Agriculture. Chapter 19. PP 479-523. M. Farooq and K.H.M. Siddique (eds). Springer International, Switzerland (2015).**

[**http://www.conservationagriculturedatabase.eu/database/assets/book/13.pdf**](http://www.conservationagriculturedatabase.eu/database/assets/book/13.pdf)

1. **Conservation Agriculture and its impact on soil quality and maize yield: A South African perspective. By Nkanyiso J. Sithole et al. Soil & Tillage Research 162: 55–67 (2016).** [**http://www.conservationagriculturedatabase.eu/database/assets/paper/14.pdf**](http://www.conservationagriculturedatabase.eu/database/assets/paper/14.pdf)
2. **Conventional tillage decreases the abundance and biomass of earthworms and alters their community structure in a global meta-analysis, By Marıa Jesus I. Briones and Olaf Schmidt. Global Change Biology 23:4396–4419 (2017).**

[**http://www.conservationagriculturedatabase.eu/database/assets/paper/15.pdf**](http://www.conservationagriculturedatabase.eu/database/assets/paper/15.pdf)

1. **Proceedings of the 7th World Congress on Conservation Agriculture. 1-4 August 2017, Aapresid, Rosario, Argentina.**

[**http://www.conservationagriculturedatabase.eu/database/assets/book/16.pdf**](http://www.conservationagriculturedatabase.eu/database/assets/book/16.pdf)

1. **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**](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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