

**Alert No. 44 (4 March 2016)**

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2. Sustainable intensification opportunities under current and future cereal system in North-West India. By P.C. Sharma et al. ICAR Central Soil Salinity Research Institute, Haryana, India (2015).
3. Conservation agriculture in an irrigated cotton–wheat system of the western Indo-Gangetic Plains: Crop and water productivity and economic profitability. By T.K Das et al. Field Crops Research 158: 24-33 (2014).
4. Integration of conservation agriculture with best management practices for improving system performance of the rice–wheat rotation in the Eastern Indo-Gangetic Plains of India. By Ranjan Laik et al. Agriculture, Ecosystems and Environment 195: 68-82 (2015).
5. Fire-free fallow management by mechanized chopping of biomass for sustainable agriculture in Eastern Amazon: Effects of soil compactness, porosity, and water retention and availability. By José Miguel Reichert et al. Land Degradation and Development (2015) (doi: 10.1002/ldr.2395).
6. Are Conservation Agriculture (CA) systems productive and profitable options for smallholder farmers in different agro-ecoregions of Zimbabwe? By W. Mupangwa et al. Renewable Agriculture and Food Systems (2016) (doi:10.1017/S1742170516000041).
7. Evaluating manual conservation agriculture systems in southern Africa. By Christian Thierfelder et al. Agriculture, Ecosystems and Environment 222: 112–124 (2016).
8. Mechanized land preparation in eastern Amazon in fire-free forest-based fallow systems as alternatives to slash-and-burn practices: Hydraulic and mechanical soil properties. By Jose Miguel Reichert et al.

[Agriculture, Ecosystems and Environment \(2014\) \(doi: 10.1016/j.agee.2014.03.046\).](#)

9. [Fragmentation, fiber separation, decomposition, and nutrient release of secondary-forest biomass, mechanically chopped-and-mulched, and cassava production in the Amazon. By José Miguel Reichert et al. Agriculture, Ecosystems and Environment 204: 8-16 \(2015\).](#)
10. [Fire-free fallow management by mechanized chopping of biomass for sustainable agriculture in eastern Amazon: Effects on soil compactness, porosity and water retention and availability. By José Miguel Reichert et al. Land Degradation and Development \(2015\) \(doi: 10.1002/ldr.2395\).](#)
11. [Agronomic improvements can make future cereal systems in South Asia far more productive and result in a lower environmental footprint. By Jagdish Kumar Ladha et al. Global Change Biology \(2015\) \(doi: 10.1111/gcb.13143\).](#)
12. [Does conservation agriculture deliver climate change mitigation through soil carbon sequestration in tropical agro-ecosystems? By David S. Powlson et al. Agriculture, Ecosystems and Environment 220: 164–174 \(2016\).](#)
13. [Versatile Strip Seed Drill: A 2-Wheel Tractor-Based Option for Smallholders to Implement Conservation Agriculture in Asia and Africa. By Md. Enamul Haque et al. Environments 3:1-13 \(2016\) \(doi:10.3390/environments3010001\).](#)
14. [Save and Grow in Practice: Maize, Rice and Wheat – A Guide to Sustainable Production. FAO, Rome \(2016\).](#)
15. [Conservation Agriculture in Irrigated Areas of Azerbaijan, Kazakhstan and Uzbekistan. By Aziz Nurbekov et al. ICARDA Working Paper 26 \(2015\).](#)
16. [Fighting Microbes with Microbes Doctors turn to good microbes to fight disease. Will the same strategy work with crops? By Amy Coombs. The Scientist January 2013.](#)
17. [Zero tillage – The voice of farmers. R.K.Malik et al. Directorate of Extension CCS Haryana Agricultural University, Hissar, India.](#)

## 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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