

Alert No. 62 (5 May 2020)

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4. Effects of No-Tillage and Conventional Tillage on Physical and Hydraulic Properties of Fine Textured Soils under Winter Wheat. By Mirko Castellini et al. Water 2019, 11, 484; doi:10.3390/w11030484.
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10. [The influence of soil management on soil health: An on-farm study in southern Sweden. By Hanna Williams et al. Geoderma 360 \(2020\) 114010.](#)
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14. [Soil Health Education & Resource Guide 5th Edition. By Green Cover Seed. Featuring articles by Gabe Brown, Rolf Derpsch, Dwayne Beck, Jay Fuhrer, Allen Williams, Ray Archuleta, Christine Jones, Wendy Taheri, Jonathan Lundgren, Dale Strickler, and more.](#)
15. [Synthesizing Conservation Motivations and Barriers: What Have We Learned from Qualitative Studies of Farmers' Behaviors in the United States? By Pranay Ranjan et al. Society & Natural Resources. 32:11, 1171-1199, DOI: 10.1080/08941920.2019.1648710 Published online 15 August 2019.](#)
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Conservation Agriculture is an ecosystem approach to regenerative sustainable agriculture and land management based on the practical application of context-specific and locally adapted three interlinked principles of: (i) Continuous no or minimum mechanical soil disturbance (no-till seeding/planting and weeding, and minimum soil disturbance with all other farm operations including harvesting); (ii) permanent maintenance of soil much cover (crop biomass, stubble and cover crops); and (iii) diversification of cropping system (economically, environmentally and socially adapted rotations and/or sequences and/or associations involving annuals and perennials, including legumes and cover crops), along with other complementary good agricultural production and land management practices. Conservation Agriculture systems are present in all continents, involving rainfed and irrigated systems including annual cropland systems, perennial systems, orchards and plantation systems, agroforestry systems, crop-livestock systems, pasture and rangeland systems, organic production systems and rice-based systems. Conservation Tillage and Minimum Tillage are not Conservation Agriculture, and nor is No-Till on its own (more at: <http://www.fao.org/conservation-agriculture>).

Latest (2015/16) CA area information available from: **[Global spread of Conservation Agriculture. By A. Kassam et al. International Journal of Environmental Studies. Published Online \(2018\).](#)**

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