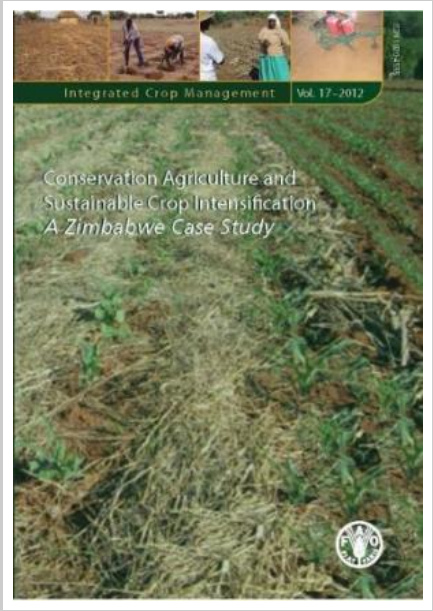


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Conservation Agriculture and Sustainable Crop Intensification: a Zimbabwe Case Study

By Lungowe Sepo Marongwe, Isaiah Nyagumbo, Karsto Kwazira, Amir Kassam, Theodor Friedrich

Food & Agriculture Organization of the United Nations (FAO). Paperback. Book Condition: new. BRAND NEW, Conservation Agriculture and Sustainable Crop Intensification: a Zimbabwe Case Study, Lungowe Sepo Marongwe, Isaiah Nyagumbo, Karsto Kwazira, Amir Kassam, Theodor Friedrich, Future food security relies not only on higher production and access to food but also on the need to address the destructive effects of current agricultural production systems on ecosystem services and increase the resilience of production systems to the effects of climate change. Conservation agriculture [CA] addresses the problem of low and erratic rainfall through the use of practices that reduce water losses and increase infiltration, and low soil nutrient status by increasing soil carbon and nitrogen through the use of organic soil cover and legumes in rotations and interactions. CA enables the sustainable intensification of agriculture by conserving and enhancing the quality of the soil, leading to higher yields and the protection of the local environment and ecosystem services. This publication describes the experiences of introducing and promoting CA as a practice for sustainable crop production intensification in farming communities across Zimbabwe. The case study is directed at policy makers, scientists and environmentalists and should help decision making towards sustainable intensification concepts...

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