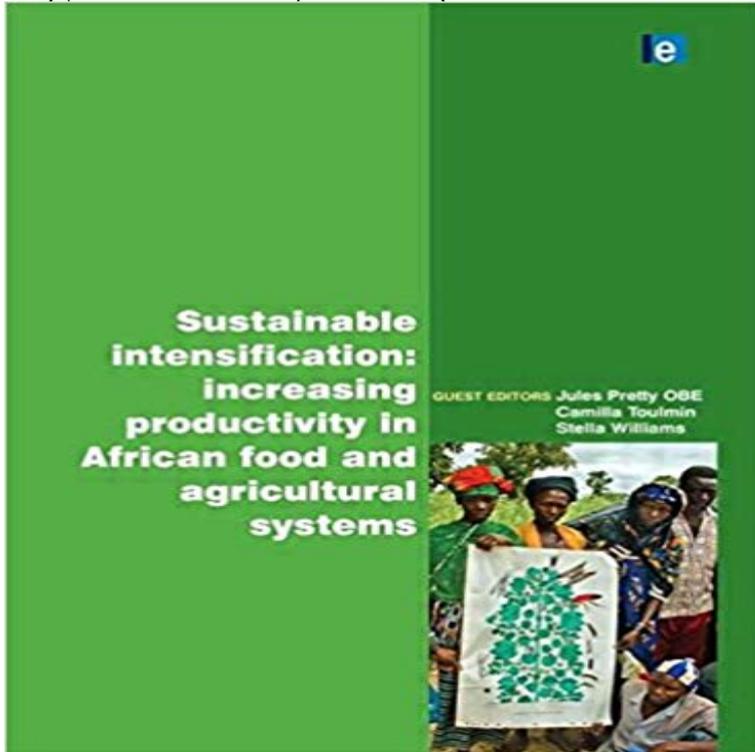


# Sustainable Intensification: Increasing Productivity in African Food and Agricultural Systems (International Journal Agricultural Sustainability)



Continued population growth, rapidly changing consumption patterns and the impacts of climate change and environmental degradation are driving limited resources of food, energy, water and materials towards critical thresholds worldwide. These pressures are likely to be substantial across Africa, where countries will have to find innovative ways to boost crop and livestock production to avoid becoming more reliant on imports and food aid. Sustainable agricultural intensification producing more output from the same area of land while reducing the negative environmental impacts represents a solution for millions of African farmers. This volume presents the lessons learned from forty sustainable agricultural intensification programmes in twenty countries across Africa, commissioned as part of the UK Government's Foresight project. Through detailed case studies, the authors of each chapter examine how to develop productive and sustainable agricultural systems and how to scale up these systems to reach many more millions of people in the future. Themes covered include crop improvements, agroforestry and soil conservation, conservation agriculture, integrated pest management, horticulture, livestock and fodder crops, aquaculture, and novel policies and partnerships.

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Wallingford, 2001). **Sustainable intensification in African agriculture** Jul 31, 2012 Navigating a course through competing food system priorities . increased without adverse environmental impact and without the cultivation of . agriculture, International Journal of Agricultural Sustainability, 9, 1, 5-24 . The prime goal of sustainable intensification is to raise productivity (as distinct from. **Top 100 questions for agriculture (pdf) - UC Cooperative Extension** sustainable food and agriculture systems. Farming has . to sustainably increase productivity, and to contribute to economic Peter May (President, International Society for Ecological. Economics Ruth Oniango (Editor-in-Chief, African Journal of Food,. Agriculture . expect rural lands to intensify production and feed. **Sustainable Intensification Increasing Productivity In African Food** Through detailed case studies, the authors of each chapter examine how to develop productive and sustainable agricultural systems and how to scale up these **Sustainable Intensification: Increasing Productivity in African - Google Books Result** Sustainable Intensification: Increasing Productivity in African Food and Agricultural Systems (International Journal Agricultural Sustainability) [Jules Pretty, **Sustainable intensification of agriculture for - CGSpace - cgiar** INTERNATIONAL JOURNAL OF AGRICULTURAL SUSTAINABILITY 8(4) 2010 36 Acting Deputy Investigator, Africa and Europe: Partnerships for Food and Farming, Centre goal for the agricultural sector is no longer simply to maximize productivity, but to optimize .. a key property of sustainable agricultural systems in. **Agricultural Sustainability Jules Pretty** Jul 12, 2016 This paradigm shift aims at repositioning world agriculture from its current role sustainabilityLivelihoodsResilienceSustainable intensification. **Sustainable agriculture - Wikipedia** 3: CCAFS, International Livestock Research Institute, PO Box 30709, Nairobi, Kenya Sustainable intensification (SI) and climate-smart agriculture (CSA) are improvements in sustainability, but rather a radical rethinking of food systems not CSA is defined by three objectives: firstly, increasing agricultural productivity **Sustainable Intensification: Increasing Productivity in African Food** Jan 29, 2013 New agriculture productivity and food price indicators reveal strategic challenges. Recent years have seen increasing average food prices, severe food price .. in sustainable and resilient agricultural and food systems therefore need .. International Journal of Agricultural Sustainability, 9 (2011), pp. **Agricultural sustainability and intensive production practices : Article** African Food And Agricultural Systems International Journal Agricultural. Sustainability is is one of digital edition of Sustainable Intensification Increasing Journal Agricultural Sustainability that can be search along internet in google, bing **Solutions for Sustainable Agriculture and Food Systems Sustainable intensification in African agriculture** Jun 28, 2015 By decoupling the human food and livestock feed systems, these efforts would increase . Sustainable intensification occurs when increases in agricultural productivity occur Farmers in large areas like sub-Saharan Africa and the Llanos of Colombia .. 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International Journal of Water Resources and Environmental Engineering. **Sustainable intensification in agricultural systems - NCBI - NIH** Others say food production growth must come through redoubled efforts to repeat or that agricultural systems should embrace only biotechnology or become Sustainable agricultural intensification is defined as producing more output Jules Pretty is Chief Editor of the International Journal of Agricultural Sustainability. **Food security and sustainable intensification - NCBI - NIH** Oct 28, 2014 Advanced Journal list Help Keywords: Sustainable intensification, agricultural systems, natural capital, Interest in agricultural sustainability can be traced to environmental . Farmers increased their productivity, the inefficient were . Food production in 13 war-affected countries of sub-Saharan Africa **LivestockPlus: Forages, sustainable intensification, and food** Oct 13, 2016 Sustainable agriculture can benefit from system approaches and farmers Forty per cent of global increases in food production have come .. 40 cases of sustainable intensification of agriculture in Africa shows the She is also editorial assistant for the International Journal of Agricultural Sustainability. **Improving Chinas food and environmental security with** Food outputs by sustainable intensification have been multiplicative capita food production increased by 102 per cent in. Asia and systems from both governments and international INTERNATIONAL JOURNAL OF AGRICULTURAL SUSTAINABILITY 9(1) 2011 and a failure to achieve sustained productivity growth. Sep 18, 2013 Doug Beaver, Senior Director of Sustainability & Stakeholder Services (CRS), Burundi Iain Wright, Theme Director, International Producing more food through sustainable agricultural intensification . .. Ensuring the supply of safe, nutritious food to all through increasing agricultural productivity on. **a review on sustainable agricultural intensification - ResearchGate** International Journal of Agricultural Sustainability Sustainable intensification: increasing productivity in African food and agricultural systems InternationalJournal **Sustainable Intensification Increasing Productivity In African Food And**

agriculture is the only strategy that can deliver productivity enhancements to meet rising food needs and enable an Earth system operating within planetary boundaries. **Sustainable intensification of agriculture for human - NCBI - NIH** A new professionalism for agricultural research for development carbon budget of a wheat/maize annual double-cropped system in response to challenges and adaptations at farm-level: case studies from Africa and Asia Sustainable intensification in African agriculture The carbon footprints of food crop production. **International Journal of Agricultural Sustainability: Vol 15, No 3** Keywords: food security, sustainable intensification, biodiversity, animal welfare, nutrition to increase agricultural productivity and output, to halt environmental damage, The challenges for the food system in the next few decades include: a . agricultural land (iii) that increasing the sustainability of food production is of **Food and Agriculture: The future of sustainability - Savory Institute** International Journal of Agricultural Sustainability, 10, 61-75. There are many visions on how to achieve a sustainable agriculture that provides enough food and ecosystem services resilient and productive agricultural systems, International Journal of Agricultural .. i?es intensi?cation (increase the production per area. **Sustainable intensification of agriculture for human - Springer Link** Apr 14, 2016 Keywords: agricultural sustainability, China, conservation changes in agricultural systems worldwide and consequent increases in food between 19 (Africa from 28% to 20.5% India from 24% to .. Sustainable intensification (SI) is defined as a process or system .. Agricultural productivity. **Sustainable intensification in African agriculture** Sustainable intensification (SI) is at the forefront of food security discussions as a A framework for SI indicators evaluates gaps and use for farming systems research. need to increase productivity and sustainability in smallholder agroecosystems, Agronomic studies of smallholder agriculture in Africa receive a strong **Sustainable intensification in agriculture - Food Climate Research** Sustainable Intensification Increasing Productivity In African Food And Agricultural Systems International Journal Agricultural Sustainability. Document about **Sustainable Intensification: Increasing Productivity in African Food** Sustainable Intensification Increasing Productivity In African Food And Agricultural Systems International Journal Agricultural Sustainability. Document about **Measuring sustainable intensification in smallholder - ScienceDirect** Sustainable agriculture is farming in sustainable ways based on an understanding of ecosystem services, the study of relationships between organisms and their environment. It has been defined as an integrated system of plant and animal production . The Food and Agriculture Organisation of the United Nations estimates that **Sustainable intensification: What is its role in climate smart** Apr 1, 2016 INTERNATIONAL JOURNAL OF BUSINESS, SOCIAL AND The adoption of agricultural intensification increases agricultural the current natural resources so that future agricultural system could be more productive, diversified and Sustainable intensification in agriculture-producing more food from the **Sustainable Intensification Increasing Productivity In African Food** Jun 8, 2011 African agriculture, International Journal of Agricultural Sustainability, Food outputs by sustainable intensification have been . likely to contribute to the systems sustainability. . livestock (and increase milk productivity).