

Why should we promote Sustainable Agricultural Mechanisation in Nepal?

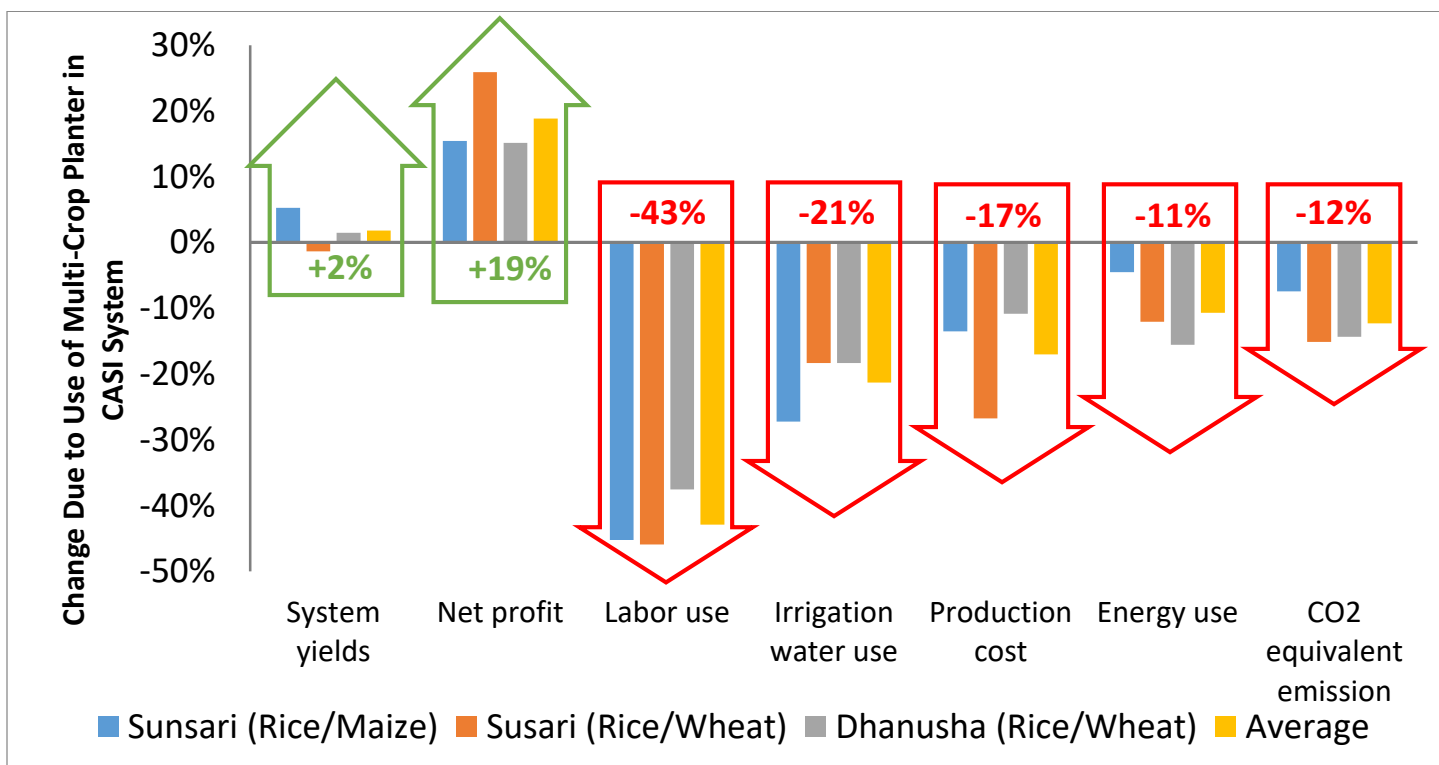
What do we mean by sustainable agricultural mechanisation in the Eastern Nepal Terai?

The mechanisation of Nepali agriculture provides new opportunities for environmental, social and economic sustainability. One starting point for sustainable agricultural mechanisation on the Nepal Terai is the wider utilization of the Zero Tillage Multi-Crop Planter as part of Conservation Agriculture based Sustainable Intensification (CASI). This implement facilitates the sowing of a variety of crops, including rice, maize, wheat and mung bean, without tillage.

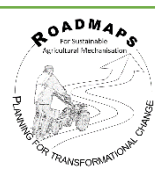


Why is sustainable agricultural mechanisation important for the Eastern Nepal Terai?

CIMMYT research through the ACIAR-funded *Sustainable and Resilient Farming Systems Intensification (SRFSI)* project has created substantial evidence of the positive impacts of transitioning to CASI systems in Provenance 1 and 2 of Nepal, facilitated through the use of Zero Tillage Multi-Crop Planters. These results are summarised below*.



*For more information: Islam et al (2019) Journal of Field Crops Research (volume 238)



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