Entry No. IRRC-0418

Category	: International Rice Research Conference
Select Theme	: Climate change and environmental sustainability
Endorsement email	:
Keyword 1	: Multidimensional sustainability (environment, economic, social, governance)
Keyword 2	: Climate smart agriculture
Keyword 3	: Adaptation to climate change
Title of Entry	: The Impact of System of Rice Intensification: Evidence from a large scale two-period randomized field experiments
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Select only one type of presentation	: 15 minute oral presentation

Abstract : The System of Rice Intensification (SRI), a set of rice management practices, has demonstrated dramatic potential for increasing rice yields. We examine the impact of SRI using repeated large scale randomized controlled trials in Bangladesh. In the first year of the intervention, we provided farmers training on SRI in randomly selected villages. . In the second year of the intervention, we repeat the training in a randomized subset of treatment villages from the first year. The resulting adoption level is relatively high (38%-53%), as were yield gains, in the range of 15-24%. We also find significant disadoption among farmers in the treatment villages that received training only in the first year as compared to the farmers who received training in both years. Profits are significantly higher in villages that received training in both years even though yield gains were similar. The repeated training reduced the cost of production. Our results suggest that even with new technologies that generate significant yield gains, farmers may need more than one-time training to continue using the new technology and thereby reap full benefits from the change.

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