

Category	: International Rice Research Conference
Select Theme	: Sustainable and equitable farming systems
Endorsement email	:
Keyword 1	: Water management
Keyword 2	: System of Rice Intensification (SRI)
Keyword 3	: Yield gaps
Title of Entry	: AN EVALUATION OF SRI IMPACT ON RICE PRODUCTION SCENERIO OF TAMILNADU DUE TO IAMWARM PROJECT-A CASE STUDY
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Affiliation 2	:
Select only one type of presentation	: 3-5 minute flash talk
Abstract	: Tamil Nadu a southern state in India witnessed the Rice production curves started decelerating since the latter half of 1990s due to decline in area under cultivation and poor management of the scarce water with burgeoning population. An evaluation study at TamilNadu on Rice area, production and productivity during the period between 2000 and 2015 revealed that presence of more marginal and small holdings of less than 2 hectares accounting 92 percent of the total holdings is the stumbling block for dissemination of modern technologies which promotes better water management. The vagaries of monsoon with successive droughts reduced the gross area sown by 12.7 percent and increase in fallows by 17.3 percent in –between 2011 and 2013 with decline in cropping intensity from 118.1 percent in 2011-12 to 113.1 percent in 2012-13. It is under this stressful scenario, SRI came handy for increasing the productivity of water, with reduced agricultural water demand (WBI.2008).The average productivity during 2006-15 was 3066 kg/ha (above the national average 2500 kg/ha), a great improvement because of promotion of the innovative System of Rice Intensification (SRI) method in rice cultivation since 2006-07 in large scale under TN-IAMWARM a World Bank funded Project. This acted as a catalytic for the adoption of SRI as a state mission. It has been observed that the two third district achieved more than 60% increase in productivity (range is 64% to 140% increase in 17 out of 28 districts) the lowest increase of 13% was observed in seven districts during 2011-15. This innovation in rice production with in depth dissemination in Tamil Nadu has got stabilized facilitated transition in Agriculture for sustaining the Rice productivity in the State.

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