

SRI CULTIVATION IN PADDY PROMOTED RICE PRODUCTIVITY

Mr. Prakash Pradhan a small farmer of village Kadabahal of Malkangiri district who took up agriculture as his only profession and livelihood. In kharif he was cultivating paddy, maize and pisciculture. Major of area he was growing paddy in traditional method. He was not aware of SRI method of Rice cultivation and improved method of rice cultivation due to which he was getting comparatively lower yield in paddy and some time facing lodging problem during heavy rain.

KVK Malkangiri in 2010 adopted Kadabahal village for transfer of agriculture technologies and identified Mr. Prakash Pradhan as one of its beneficiary for various demonstrations. Keeping in view his problems of paddy cultivation he was trained in new technology such as Green manuring by incorporating Dhanicha plant, preparation and management of nursery bed of SRI paddy, Land preparation and planting of young seedling in 25cm x 25cm with one seedling /hill, water management with alternate wetting and drying, weeding with conoweeder at 10-15 days interval, integrated pest management etc with all necessary technical guidance. To avoid the difficulties at the time of uprooting 10-12 days old seedlings of paddy KVK scientist suggested him to prepare nursery bed over the polythene sheet and to protect crop from pest pheromone trap was installed in his field. Pot manure was also sprayed at 10 days interval for 4 times to protect crop against pest attack. At crop cutting stage of FLD SRI cultivation a field day was conducted taking 50 farmers of near by villages. DDA Malkangiri and scientists of KVK attended the field day.



He had harvested 59.55qtl/ha which is 42% higher yield than traditional practice and earned a net profit of Rs 38,000/ha against Rs 20,000/ha. This has created awareness among the farmers of Kadabahal village and near by villages. Mr Prakash Pradhan is now a inspiration for other farmers.

Salient Features

1. Rice variety MTU 1001 on SRI plot yielded 59.55 qtl/ha against 41.9qtl/ha under traditional practice plot which is 42% higher yield
2. Net profit in SRI plot is Rs 38,000/ha with Benefit Cost Ratio of 2.7