

Success stories-2 2017- Right crop for the right land

Name of farmer	Sri Susil Kumar Pradhan S/o Santosh Ku. Pradhan																												
Address	At- Gamharipalli, P.O-Larambha, Block- Attabira, Dist- Bargarh																												
Contact details (Phone, mobile, email Id)	Mobile No.-9668996694																												
Landholding (in ha.)	3.2																												
Name and description of the farm/ enterprise	<p>Susil Kumar Pradhan is a educated farmer of village Gambharipalli very nearer to KVK. Bargarh. Though he is practising farming since last decade he has not seen a good pulse crop during rabi season due to full irrigation of entire area by Hirakud dam. He always cultivating paddy during rabi season with very less return per hectare due to high labour charge and less market price of paddy. Even he consumes only rice thrice a day with little or no dal. He dreams about dal every day throughout year but realised it in meager.</p>																												
KVK intervention	<p>One day he visited KVK Campus during last rabi season and observed a nice demonstration plot of greengram inside where variety IPM-02-14 was grown under irrigated condition . He interacted with KVK scientists and came to know that greengram can be cultivated in rabi season in well drained plots with hardly three to four irrigations. After that he decided and took up greengram in 1.0hacter upland field out of 3.2 hactres of land during rabi2017-18. He was supplied greengram variety IPM-02-14 under CFLD(pulse) programme and followed line sowing behind plough at a spacing of 30cmx10cm, seed treatment with Carbendazim@1gm/kg & Rhizobium culture@20gm/kg seed, applied DAP 100kg and MOP 38 kg after soil testing of his plot along with <u>Phospho-Gypsum@ 2.5Q/Ha.</u> During <u>pre pod formation stage he sprayed Indoxacarb15.8SL@ 1ml/5litrs</u> of water to control pod borers and Sulphur 80WP @ 5 gm. /ltr of water to manage powdery mildew disease. He has also apllied two irrigations at pre flowering and pod development stage in consultation with KVK crop scientist. Subsequently he got a very nice crop that he had never seen and harvested746kg of seed from one hectare land.</p>																												
Economic impact	<table border="1"> <thead> <tr> <th>Sl. No.</th> <th>Crop</th> <th>Area (Ac.)</th> <th>Net income before adoption (Rs)</th> <th>Area (Ac.)</th> <th>Net income after adoption (Rs)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Paddy (Both season)</td> <td>16.0</td> <td>70800</td> <td>13.5</td> <td>66400</td> </tr> <tr> <td>2</td> <td>Green gram</td> <td></td> <td></td> <td>2.5</td> <td>15600</td> </tr> <tr> <td></td> <td>Total</td> <td>16</td> <td>70800</td> <td>16</td> <td>82000</td> </tr> </tbody> </table>					Sl. No.	Crop	Area (Ac.)	Net income before adoption (Rs)	Area (Ac.)	Net income after adoption (Rs)	1	Paddy (Both season)	16.0	70800	13.5	66400	2	Green gram			2.5	15600		Total	16	70800	16	82000
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Social impact	<p>The reasons for Mr. Pradhan's financial success from his small area that he didn't depend much on external inputs for his crops. Secondly he and his entire family was involved in farming so he spent no money on outside labourers. As greengram needed less labour than paddy, he spent his balance labour in rabi paddy and got more yield than last season. After getting so much produce he kept 240kg of it for own consumption and sold rest to neighbouring farmers. His family now preparing dish every day from mung dal and consuming cheerfully.</p>																												
Environmental impact	<p>The improved variety IPM-02-14 being a short duration (75 days) variety, helped the farmers to plan third crop even in summer season and which in turn helped in improving the economy of the farming community. Also being resistant to Mungbean Yellow Mosaic Virus and crinkling disease lead to less cost of cultivation compared to local variety. The positive attribute of IPM 02-14 variety helped in the dissemination of technology in and around the villages in paddy fallow areas of Attabira block. Now other farmers have shown interest in taking this crop during coming kharif season. The rabi crop also consumed less water than the traditional rabi paddy. The emission of methane gas due to continuos submergence was also reduced.Besides his family health status raised by getting essential aminoacids through consumption of cereal and pulses combination.</p>																												
Horizontal/ Vertical spread	<p>59 farmers of the nearby villages and blocks are now rushing to him for getting greengram seedsfor cultivation during coming rabi season.</p>																												

Greengram crop at peak vegetative stage & at harvesting stage

