

# TITLE OF THE SUCCESS STORY – 05:

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*Artificial Insemination (AI) in pigs gives more income than traditional piggery with local pigs*

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## **FARMER DETAILS:**

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Mr. William Afanso,  
Agassaim, Tiswadi, Goa  
Contact No.: 7798845515

## **DETAILS OF SUCCESS STORY:**

### ***BACKGROUND:***

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Mr. William Afanso age 45 years , maintaining almost 60-80 local pigs. He used to do the piggery in a traditional way spending most of the time in doing all the activities related to piggery. By putting all the good efforts, he used to earn less profits because of low body weight in local pigs at the time of marketing. Later on he adopted artificial insemination technology in pigs developed by ICAR CCARI and has doubled the income.

### ***INTERVENTION PROCESS:***

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Animal Science division of ICAR-CCARI, Goa has well established pig semen Lab where high quality Boar semen (LWY) is available. Under Frontline demonstration of the KVK, AI was done in 7 local sows. KVK –North Goa also gave training to the farmer regarding actual procedure of AI because correct time of insemination is needed for successful pregnancy. AI was done to the local by using semen of Large white Yorkshire boar. Data on the weight in piglets, mortality and weight at market age were recorded i.e. 8 months. Total of 7 local sows with similar age were kept as check.

### ***INTERVENTION TECHNOLOGY:***

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AI Technology was standardised by Scientist of ICAR CCARI Goa. Artificial insemination in sows gives good results as piglets born were healthy with good weight and reaches around 70-80 kg at the marketable age of 8-9 months .

### ***IMPACT HORIZONTAL SPREAD:***

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Other 10 farmers were started to use AI in their local pigs.

### ***IMPACT ECONOMIC GAINS:***

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In Demo unit total of Rs. 2,223/- gross expenditure was done to raise a crossbred pig up to adult stage from a piglet stage. The insemination of one sow total of Rs. 220/- was spend and Rs. 2,003/- expenditure was done on food and labour charges as management cost from piglet stage. Each crossbred pig reached an average weight of 75.8 kgs and farmer got gross income of Rs. 7,580/-. Thus, by adopting AI technology in pigs, farmer got net profit of Rs. 5,357/- adult pig.

In check group, pigs reached up to average 31.85 kgs at the marketable age i.e 8-9 months which is very less as compared with Crossbred pigs weight (57% less). Total of Rs. 1,560/- was spent to raise a local pig up to 8-9 months from a piglet stage. After sale of local pig with a weight of 31.85 kgs farmer got Rs. 3,183/- as gross income and Rs 1,622/- as net income per pig. Farmer got average of 8 piglets per sow and thus per pig he earned net income of Rs. 42,856/- by sale of all pigs at the age of 8-9 months.

### ***GLIMPSES OF SUCCESS:***

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