

REPRODUCTIVE TOOLS FOR ENHANCING PIG PRODUCTIVITY

Success Story/2022-14

FIELD ADOPTION OF SUSTAINABLE REPRODUCTIVE TECHNOLOGIES FOR ENHANCING PRODUCTIVITY IN PIGGERY ENTERPRISES

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PROBLEMS/CONSTRAINTS

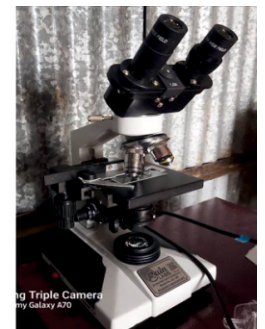
Pig rearing in the country has been mostly un-organized and many of the farmers do not follow improved pig husbandry practices. Shortage of sufficient number of pig breeder farmers is a major problem leading to lesser availability of quality pigs for fattener farmers and market. In the recent years, many farmers are increasingly adopting medium to large-scale piggery enterprise as an important livelihood option. One such aspiring entrepreneur, Shri Ramesh Vaidu hailing from Belagavi, had opted for self-employment through piggery but initially struggled due to problems like low submission and conception rates, inbreeding, sub-optimal productivity, high feed cost and shortage of quality breeding males.

INTERVENTIONS

After learning about his problems in pig farming, Institute extended all the support including technical guidance on scientific pig rearing, reproductive and health management. He was encouraged to participate in a training on scientific pig farming organized by the Institute. Institute is providing continuous handholding support to him in the form of technical advice on modern pig breeding and management interventions through tele-consultations and training. He was also enrolled as an off-site incubatee in the Institute Agri-business Incubation centre for getting technical consultancy, value-added business support in terms of diversification of business and marketing.

IMPACT

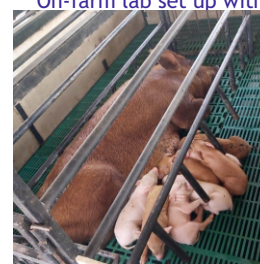
With the active support from the Institute, farmer could set up an On-farm Lab with facilities for pig semen evaluation and processing and with the technical knowledge received through training, he got motivated to adopt useful and sustainable technologies like Artificial Insemination and controlled breeding employing estrus induction and synchronization protocols, innovative audio-visual methods for breeding management. Overall, 74% increase in submission rate and 56% increase in conception rate could be achieved through adoption of improved reproductive technologies. After these interventions, herd productivity got significantly improved with an increase of 40% in overall pregnancy rate in breeding herd. He has also transformed his small-scale farm to a bigger breeder cum fattener farm and his enterprise has become profitable with annual income increasing by more than three times and fetching enhanced monthly income of Rs. 80,000. Besides, there is an additional monthly cost saving of Rs. 9,000 towards reduction in breeding cost and maintenance of breeding boars. Results of these successful technological interventions would encourage neighbouring farmers to adopt improved and useful reproductive technologies for boosting productivity, enhancing income levels and improving their livelihood security.



On-farm lab set up with the support of ICAR-CCARI



Performing pig AI in farm



Sow with piglets born through AI