



**Three Days Self Sponsored Training Programme
On
“Scientific Practices and Techniques in
Pig Farming and Artificial Insemination”**



Date: 4th to 6th June 2024

Venue: ICAR-National Research Centre on Pig

Organized by

ICAR- National Research on Pig, Rani, Guwahati

Organizing Committee

Course Director: Dr. V. K. Gupta, Director, ICAR-NRC on Pig, Guwahati

Course Coordinators: Dr. Sunil Kumar, Scientist, ICAR-NRC on Pig, Guwahati

Dr. Rafiqul Islam, Principal Scientist, ICAR-NRC on Pig, Guwahati

Dr. Salam Jayachitra Devi, Scientist, ICAR-NRC on Pig, Guwahati

A three-day self-sponsored training programme on “Scientific Practices and Techniques in Pig Farming and Artificial Insemination” was organized by ICAR-National Research Centre on Pig, Rani, Guwahati from June 4th to 6th, 2024. Dr. V. K. Gupta, Director of the Institute, served as the course director, along with Dr. Sunil Kumar, Dr. Rafiqul Islam, and Dr. Salam Jayachitra Devi as programme coordinators. A total of 23 male participants attended the training programme. This included twenty progressive pig farmers from seven districts of Manipur and three participants from other states (one each from Nagaland, West Bengal, and Rajasthan). Participants from various fields engaged in the piggery sector attended this comprehensive training programme.

The course encompassed a wide range of topics on Pig Housing and Management, Breeding, Reproduction, Nutrition, Health, Pork Processing, and Marketing. On the first day of the training programme, the sessions began with the registration of participants and an inaugural ceremony conducted by Dr. V.K. Gupta, Director. This was followed by a lecture on the importance of Artificial Insemination in pigs in pig husbandry by Dr. V.K. Gupta. Dr. Rafiqul Islam, Principal Scientist, delivered a session on the importance of Artificial

Insemination in pigs, including the dos and don'ts in an A.I. lab. Dr. Sunil Kumar provided insights into the preparation and utilization of equipment and consumables in A.I., as well as the preparation of extender and sterilization of consumables. Post-lunch, Dr. P.J. Das and Dr. Meera K. discussed the selection of breed/varieties/strains and breeding strategies for A.I. programmes. The day concluded with lectures on scientific housing management in organized and unorganized pig farms by Dr. Kalyan De and Dr. Nitin M. Attupuram, followed by a session on the basic principles of hygienic slaughter, processing, and value addition of pork by Dr. R. Thomas.

On the second day of the training programme, the sessions began with a lecture on pig health management in A.I. herds, focusing on common diseases of pigs and their management, delivered by Dr. Swaraj Rajkhowa. Dr. Seema Rani Pegu then conducted a session on vaccination schedules, iron injections, and the procedure for sampling and shipment of biological samples for the diagnosis of diseases. Dr. K. Barman (via virtual mode) and Dr. Loksha E. discussed the feeding management of different categories of breeding pigs (boar, sow, neonates, grower), including the use of unconventional feed resources. Following the lunch break, Dr. Sunil Kumar delivered a lecture on the synchronization of oestrus and infertility management in a pig farm. Dr. Juwar Doley discussed pig health management, focusing on biosecurity measures in a pig farm. The day concluded with a session on record keeping in a pig farm by Dr. Jaya.

On the last day of the training programme, the sessions began with a lecture on the management of reproductive events and artificial insemination in a pig farm by Dr. Rafiqul Islam and Dr. Gagan Bhuyan. Dr. Sunil Kumar and Dr. Gagan Bhuyan conducted a session on the collection, evaluation, processing, and storage of boar semen. This was followed by a lecture on the pig genetic resources of India, inbreeding, and measures to control it by Dr. Satish Kumar. After the lunch break, Dr. Priyajoy Kar delivered a session on credit assistance and marketing links for pig husbandry. Dr. Anil Kumar Das and Dr. Rajib Kumar Das conducted a lecture on routine farm operations. The day concluded with feedback from the participants and the valedictory function.

Feedback on the training programme was obtained from the trainees. The assessment of the feedback indicates that the trainees expressed satisfaction with the training program.

The valedictory programme was held at the Boar Semen Production Centre on 6th June 2024 at 4:30 PM. The participants shared their experiences and learning from the 3-day training programme. Dr. V. K. Gupta, Director of the Institute, presented the training certificates and handouts to the trainees during the programme. In his concluding remarks, the director emphasized the need for fostering entrepreneurship among the youth to prosper in pig farming and its related businesses.

Glimpses of the training programme:



