



Final Announcement
HANDS-ON-TRAINING
on
ESTRUS SYNCHRONIZATION AND
ARTIFICIAL INSEMINATION IN
SHEEP

22.11.2021 to 01.12.2021



Co-Sponsored
by

Central Wool Development Board, Jodhpur
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Division of Animal Physiology and
Biochemistry
ICAR- Central Sheep and Wool Research
Institute, Avikanagar, Tehsil Malpura,
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Hands-on-Training on
Estrus Synchronization and Artificial
Insemination in Sheep

Introduction

Estrus Synchronization and Artificial Insemination (AI) are reproductive techniques having high potential to provide economic benefits to the sheep farmers. By adopting these techniques farmers can breed their ewes round-the-year in groups of their desired size. This allows them easy management of the newborn lambs and pregnant ewes. They can produce animals at desired selling age in batches. Moreover, farmers will get additional lambs per ewe which provides extra income.

About ICAR- Central Sheep and Wool Research Institute

ICAR-Central Sheep and Wool Research Institute (CSWRI), Avikanagar, an ISO 9001:2015 certified institute, is one of the leading institutes of animal science under Indian Council of Agricultural Research (ICAR), New Delhi. It is engaged in conducting basic and applied research in the areas of sheep genetics and breeding, nutrition, physiology, reproduction, health, biotechnology, wool processing and textile manufacturing, utilization of different sheep products and providing training and transfer of technologies to the beneficiaries for more than half a century. The institute headquarter is located at Avikanagar near Malpura, (District. Tonk, Rajasthan) on Jaipur-Bhilwara State Highway (RJ SH-12). It has three regional stations, namely, Arid Region Campus (ARC), Bikaner, Rajasthan; Northern Temperate Research Station (NTRS), Garsa, Kullu, Himachal Pradesh and Southern Regional Research Centre (SRRRC), Mannavanur, Tamil Nadu.

About the Division of Animal Physiology and Biochemistry

The division is well equipped with advanced facilities on semen collection, processing, evaluation and artificial insemination in sheep. The division has developed a simple, low-cost and handy technique for estrus synchronization in sheep at farmers' flock. This highly effective technique was also standardized for application in other ruminant species like cattle, buffalo and goat. The vaginal sponges used for oestrous synchronization in these species are being produced by our division and have been widely tested at different parts of the country. The training would enable the participants to apply estrus synchronization, AI and other related techniques in these species in addition to sheep. The division has well qualified and trained scientific faculty and technical staff who are regularly imparting training on estrus synchronization and AI in sheep to the various stakeholders. Therefore, the training will be highly useful to field veterinarians, KVK scientists, Assistant Professors of Universities/Colleges and Extension officials engaged in sheep husbandry.

Course content

Briefly, the course covers topics on ovine reproductive physiology, hands-on- practice on induction and synchronization of estrus in sheep, preparation of vaginal sponges (demo), preparation of semen diluents, semen collection, subjective evaluation of semen, semen dilution and short-term preservation, transport of semen and fixed time AI at farmers' flock, ultrasonography for pregnancy diagnosis in sheep, laparoscopic artificial insemination (intrauterine) in sheep, lectures on risk and control of disease transmission through AI, factors affecting success of AI and care of ram and ewes, import-export regulations of semen, recent techniques of semen evaluation, advances in augmentation and improvement of fertility in rams and ewes.

Who can apply?

Veterinarians working as Veterinary Officers in the State Animal Husbandry Departments, Subject Matter Specialists (SMS) of KVKs, Scientists and Assistant Professors of Animal Science disciplines, Graduates and Post Graduates in Veterinary Disciplines/working as Teaching/Training Associates, Veterinary Officers working in NGOs, Senior as well as middle level extension officials and livestock assistants with keen interest to carry out artificial insemination and extension of sheep husbandry activities are eligible to apply.

Number of Candidates per batch

Maximum number of candidates for the training is 16.

Registration Fees

There is no registration fee for this course.

Boarding Facilities

Facilities of boarding are available at ICAR-CSWRI, Avikanagar on payment basis as given below:

Lodging charges

Guest house (AC room with attached toilet & bathroom) @ Rs. 300/- per day.

P.G. Hostel (Non-AC Rooms with attached toilet & bathroom) @ Rs 80-200/- per day.

Kisan Hostel (Non-AC room with attached toilet & bathroom) @ Rs. 50/- per day

Food charges @ Rs. 190-300/- per day.

No TA/DA will be given to the participants. TA/DA has to be borne by the participants or by the nominating department of the trainees.

How to Apply

Applications must reach the course coordinator Dr. Vijay Kumar by e-mail to vijay.kumar2@icar.gov.in by 20th November, 2021. Hard copy may also be sent so as to reach the course coordinator before commencement of course. Applicants serving in Central or State Govt Departments/Universities and

Institutes, NGOs must forward their application through their controlling authorities. In case of difficulty, application can also be mailed to apb.cswri@gmail.com

Intimation to the selected candidates

Applications/nominations will be accepted till the vacant slots are filled up on first come first serve basis and informed accordingly by email.

How to reach

ICAR-CSWRI, Avikanagar is located in Malpura Tehsil of District, Tonk, Rajasthan. It is about 90 km away from Jaipur on Jaipur-Malpura state highway. The best option to reach Avikanagar from Jaipur is to board a RSRTC Bus (Jaipur-Malpura) from Sindhi Camp Bus Stand Jaipur. Rajasthan Roadways buses ply frequently from Sindhi Camp Bus Stand which is about 2 km away from Jaipur Railway junction. Taxi Services are available to reach Avikanagar from Jaipur.



Weather The weather at Avikanagar during November is mild cold with average ambient temperature T_{Max} 29-31°C and T_{min} 12-14°C; relative humidity between 20-45% and low precipitation.