agMOOCs

Current Trends in Treatment and Control of Parasitic Diseases of Livestock and Poultry

One of the greatest challenges of the century is the need to feed an population with the available limited resources where the only solution is to increase the productive capacity of the eco-systems. Intensification of animal rearing is prevalent to explore the existing resources with maximum efficacy to increase the production per unit. But it creates conducive conditions for parasite transmission and growth. Parasitic infections are transmitted from animal to animal or from animal to human by contact or ingestion of infective stages through water, soil or food. Parasites are either ecto or endoparasites and they derive nutrients from the host and in turn result in reduction in production thereby causing financial losses to the farmer by way of treatment of infected animals, control measures as well as the cost of mortality.

Economic efficiency plays a key role in livestock farming. Like in any other activity, farmers must produce at a low-cost to obtain a positive balance with better returns on investment. Economic losses occur not only when animals die, but also when they are unable to perform their regular work, or when they produce inferior meat, milk, wool, hide, or eggs. Parasitic infections can limit animal health and productivity, which restrict economic gains in animal farming. Endemic parasites are a major cause for economic loss in animal husbandry, especially in tropical areas and the developing countries.

A thorough knowledge of the parasites and its lifecycle is essential to reduce parasitic infection, which will help to protect the nation's livestock industry. The veterinarians and personnel involved in the livestock services need to refresh and update themselves in control of parasitic infestations. Hence this course will be useful for all those involved in rearing and health care of animals, so as to reach those benefits to the livestock and their owners.

COURSE NAME	Current Trends in Treatment and Control of Parasitic Diseases of Livestock and Poultry
START DATE	December 19, 2023
DURATION	6 Weeks
REGISTRATION	Open and free of charge

Who should attend this course

- Practising veterinarians
- Veterinarians of the State Animal Husbandry Departments, faculty/veterinarians of State Agricultural and Veterinary Universities, Krishi Vigyan Kendras, NGOs, etc.
- Students/internees pursuing veterinary/animal sciences and poultry management.

Course content

Update on the tapeworm infections of livestock and Poultry	Novel methods in control of ectoparasites of livestock and poultry
Recent updates on control of gastrointestinal nematodiasis in small Ruminants	Vector-borne protozoan diseases of domestic livestock
Anthelmintic Resistance - current problem with future perspectives	Trends in diagnosis and control of chicken coccidiosis

At the end of the course, a participant should know about

- New methods to control ectoparasites in livestock and poultry
- Protozoan diseases affecting livestock that are transmitted by vectors
- Diagnosing and controlling chicken coccidiosis
- Control of gastrointestinal nematodes in small ruminants
- Update on control of tapeworm infections
- Resistance due to anthelmintic drugs

Certificate

Will be given certificates based on their involvement and performance. Participation certificate and Competency certificate will be issued by Commonwealth of Learning (COL), Canada and Tamil Nadu Veterinary and Animal Sciences University (TANUVAS), Chennai, India.

Course Director

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