



VETNEWS

an official newsletter of

Nepal Veterinary Association

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Antibiotic Use for Livestock

Usage of antibiotics in farm animals is quite heavy and widespread, and has been a typical practice of farmers in Asia and rest of the world for quite some time. Most beef, pork, poultry consumed by humans contains small amounts of antibiotics. This is a result of attempts to increase quality and quantity of output on farms. The United States uses over 29 million pounds of antibiotics in livestock per year. The majority of drugs are fed to animals to promote their growth in factory farms. A factory farm is characteristic of livestock production and consists of keeping animals in high-density confinement. Consistently using drugs in farm animals raises concerns that this administering of antibiotics has caused an increase in the antibiotic-resistant bacteria that can be harmful to humans. Bacteria in the human microbiome can learn how to resist more drugs because humans are exposed to slight amounts of antibiotics in the meats that they eat. Antibiotics are used in animals and can help bacteria become resistant to the same or similar drugs used in humans. Antibiotics are naturally occurring, semi-synthetic and synthetic compounds of antimicrobial activity are used in human and veterinary medicine to treat and prevent disease, and for other purposes including growth promotion in food animals. Bacteria can spread via animals, which are turned into food, which are eaten by humans and can then cause human infection. This is a reason behind using antibiotics in farm animals, in addition to growth promotion. Antibiotic



resistance occurs when “survival of the fittest” occurs with bacteria populations. When antibiotics can’t not kill bacteria, these cells can multiply and pass on the genetic material that can resist drugs on to more bacteria. Thus, greater exposure to antibiotics, especially unnecessarily, will beget more resistance. Concern over antibiotic use in farm animals relates to the disadvantages to human and animal health that result from potential overexposure. The threat of antibiotic resistance is real, but some argue that the actual danger seems small: some question the quantified harm this process begets (drug companies, for instance, that have an economic stake in this issue). Growth promotion via antibiotics requires only small dosages. Some antibiotics are used both in animals and in humans but most of the resistance problems are from human use. While antibiotic use in farm animals is contributing to the problem of resistance, over prescription in humans is certainly a large factor as well.

Source: Microbewiki

Editorial



Exception to commercial poultry and slowly emerging dairy farming, livestock is still attached to poor farmers in Nepal. In a country where most of the poor livestock owners have not thought about a minimum level of their own well-being, livestock well being secondary to them. But experience around world tells that the prosperity of these poor farmers can only be ensured by improving health and well being of their existing livestock. There is a need of veterinary service keeping in mind country after 20 years. A rational veterinary decision promoting animal, human and environment health can only add to overall animal well being. A knowledgeable, skilled, responsible and self-disciplined professional will be required. A strong regulatory body will also be required.

The statutory body responsible for creating and maintaining enabling environment for Nepalese veterinary service is Nepal Veterinary Council, NVC. It has taken many outstanding steps to improve veterinary service in country and still a long way to go. Planning and performance of NVC will certainly shape the future of national veterinary service and ultimately the fate of poor livestock owner in country. There requires new rules and regulations and amendment in old rules and regulations to promote this service as per need of poor livestock owner. A brave think tank of veterinarian can only achieve this milestone.....



IFC Joint Venture for Sustainable Poultry Farming

According to IFC's Sustainable Energy Financing report on Nepal's industry, the poultry industry contributes around 3 percent to Nepal's GDP, with total investment of \$334.26 million. Despite its contribution to the national economy, the industry's performance suffers from low productivity and weak technical skills of the poultry farmers. The International Finance Corporation (IFC), a member of the World Bank Group, is helping small poultry farmers in Nepal make



their businesses more productive through better farm management practices that increase productivity, reduce costs, and improve poultry quality, helping boost sustainable agribusiness nationwide. Through two of the country's leading poultry firms - Avinash Hatchery and Pro Biotech Feed Industry, the project is working to strengthen the technical skills of 3,000 poultry farmers, directly impacting 40 per cent of the industry.

As part of this broad initiative, a recent two-day training sessions on poultry farming covered disease management, bio-security, vaccination, brooding, and shed management. The project had already completed 138 such sessions, trained 3,037 poultry farmers of which 22 percent were female. Further, a one-day follow up training session has so far started and finished 39 events with 715 farmers' participation, out of them 19 percent were female. The project is predicted to complete in June, 2013.

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News Inside

Farmers in Dhading seize KFC meat containers

Kathmandu. KFC's wrongdoing came to light after poultry entrepreneurs of Dhading on December 16 seized two containers of frozen and ready-to-eat chicken imported from India by Devyani International and Mango Tree International. A group of farmers in Dharke, Dhading district, seized two containers of poultry belonging to KFC (Kentucky Fried Chicken) that was being transported to Kathmandu.

As the chicken came from a banned source, officials of DLS had destroyed the chicken in the presence of local farmers, quarantine officials, police and veterinary experts the same day.

According to a ministry source, the committee has strongly urged the government to take action against KFC, custom and quarantine officials. "We have also filed two cases against KFC at the Department of Commerce and Supply Management and Metropolitan Police Range but no action has been taken yet," Baniya expressed his disappointment, "The government is not serious about public health."



KFC outlet at Durbar Marg.
nepalnews.com

Birdflu Detected in Kathmandu

Kathmandu. The bird flu outbreak has been detected in Sitapaila of Kathmandu, ten days after the first case was reported in the area. The first case of bird flu was reported in the area on December 24, 2012.

Directorate of Animal Health has confirmed bird flu in a poultry farm located in Sitapaila-1. It was confirmed in a poultry farm operated by Prem Manandhar and Rajendra Budhathoki on Tuesday night, said spokesperson of the directorate Dr. Narayan Prasad Ghimire.

"Our rapid response team culled about 2,460 chickens, 527 eggs and 25 kg feed today," Ghimire said. The poultry farm is just 500 metres east to Surya Mohan Pokhrel's farm where bird flu was reported on December 24, he added.

The bird flu outbreak has been detected nine times in Kathmandu valley in the last one year. The recent outbreaks were in Dharke of Dhading district on December 13, and Thimi of Bhaktapur district on October 11.

Source: Himalayan News Service

Vets Inside

Farewell of Dr. Shrestha

Chitwan. A grand farewell program was organized to offer 'good bye' and ample of thanks to Dr. Bishnu Kumar Shrestha, who was working as Chief of DLSO, Chitwan since last 8 years.

Dean Appointed

Chitwan. Prof. Dr. I. P. Dhakal has been appointed as Dean of Faculty of Animal Science, Veterinary Science and Fishery Science under Agricultural and Forestry University.

Dr. Kushawaha with new responsibility

Dr. Peetambar Kushawaha for his new responsibility, has been appointed as Research and Development Manager in Global Alliance for Livestock Vet. Medicine (GALVMed) in south Asia office in Delhi, India.

From the Desk of NVA Secretary



Nepal Veterinary Association has published the **3rd amended Bidhan**, approved by General Meeting of 10th Veterinary Conference. NVA members can get e-copy on request to NVA office.

Diclofenca Use Free District

July 2, 2012. Pyuthan district was declared as Diclofenac use free district in collaboration of NVA-Midwest Chapter.

FAVA Meeting

NVA President Dr. Bimal Kumar Nirmal and General Secretary Dr. Sital Kaji Shrestha are participating 17th FAVA Congress held at the Grand Hotel, Taiwan, on 4 to 6 January, 2013.

Eastern Chapter of NVA

NVA Eastern Region Chapter has been formed under the chairmanship of Dr. Lekhraj Dahal. The chapter has following officials.

Chairman: Dr. Lekhraj Dahal
Secretary: Dr. Naveen Upadhyay
Treasurer: Dr. Gangaram Yadav
Members: Dr. Dilip Sapkota
Dr. Kashinath Yadav
Advisors: Dr. Sadananda Dev
Dr. Yogendra P. Yadav

Talk Program Organized

June 20, 2012, Kathmandu. NVA successfully organized a talk program in coordination with US Embassy. Ruth Sullivan, V.M.D., PhD, University of Wisconsin-Madison spoke on "Examination of the embryologic basis for congenital abnormalities of the Urinary system".



Animal Welfare Forum of NVA has been formed under chairing of NVA president Dr. Nirmal.

Workshop on Animal Breeding

On Nov. 30, 2012, the workshop on "Animal breeding, Identification and Traceability: present Scenario and future Strategy in Nepal" was organized at Kathmandu.

12th executive meeting of NVA held on Dec. 01, 2012, has approved the agenda to apply for the membership of Commonwealth Veterinary Association.

Upcoming Gatherings

Workshop

An International workshop on "Feasibility of One Health (OH) initiative in Nepal for surveillance of emerging and re-emerging zoonotic diseases of public health importance" as been organised jointly by One Health Alliance of Nepal (OHAN) Coordination Office C/O NZFHRC, WHO/WR Nepal and the Center for Molecular Dynamics Nepal (CMDN) from 17-19 January 2013 at Summit Hotel, Kupondole, Lalitpur.

General Meeting

Nepal Poultry Federation has announced to organize their first Annual General Meeting (AGM) from Jan. 25, 2013 at Hotel Yak and Yeti, Kathmandu.

Election Meeting

Nepal Veterinary Council (NVC) is going to organize "Election Meeting" to formulate new council body, on 2069 Poush 27, (Jan. 11, 2013) Friday at Tri-pureshwar, Kathmandu.