

Textbook of Veterinary Prevention

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A manual for veterinary medicine students containing the purpose, meaning and basic principles of veterinary prevention in the light of Polish and EU regulations. A textbook written by academic teachers lecturing issues of veterinary prevention at the faculties of veterinary medicine and practicing veterinarians supervising farms with animal production, aquaculture, national parks and zoos, etc. Manual in A4 format, richly illustrated (photos, charts, tables), 400-500 pages. Each chapter will consist of 15 to 30 pages.

General section

1. Introduction. The role of veterinary prevention in protecting the welfare of production animals, the quality of products of animal origin, and the protection of public health and the environment.
2. The specificity of the work of a veterinarian - consultant on a farm, cooperation with the veterinary inspection.
3. External and internal biosecurity as the basis of preventive actions. Cooperation of the farm owner, employees and a veterinarian in ensuring an appropriate level of biosecurity on the farm. Transport of means of production and animals. Purpose and rules of quarantine. Biosecurity in small farms, agritourism and organic farms. Instilling the basic principles of biosecurity in society.
4. Technologies of animal production, farm buildings and equipment, waste management of animal production (utilization of drugs and packaging, dead animals, sewage, liquid manure and manure). The impact of production waste and farm wastewater on the environment.
5. Microclimate inside and around the farm (lighting, temperature, humidity, air flow and pollution, odors).
6. Water and animal feed. Assessment of physical and chemical properties, microbiological quality of water. Feed production and storage.
7. Building the optimal level of non-specific and specific immunity in the herd - pathogen-free vs. herds with monitored / controlled pathogens. Control of pathogens, parasites and sanitary pests (insects, rodents, etc.).
8. Principles of therapeutic management in production animal farms. Principles of metaphylaxis.
9. Adaptation of animal production to climate change.
10. Welfare, health, production, SPIWET form.
11. Herd assessment. Taking samples for diagnostic purposes. Data collection, verification and use of production results in preventive activities. Computer systems for data collection and analysis.

Detailed section

1. Veterinary prevention on poultry farms. The specificity of veterinary prevention on broiler and laying hens farms. Tabular data of basic production, climatic, water and feed parameters, taking into account the differences in technological groups, necessary for a comprehensive assessment of the herd.
2. Veterinary prevention on pig farms. The specificity of veterinary prevention on pig farms. Differences between activities on full-cycle and part-cycle farms (fattening houses). Tabular data of basic production, climatic, water and fodder parameters (feeding with dry and wet feed), taking into account the differences in technological groups, necessary for a comprehensive evaluation of the herd.
3. Veterinary prevention on dairy farms. The specificity of veterinary prevention on cattle farms depends on the animal keeping and milking system. Prevention of metabolic diseases. Tabular data of basic production, climatic, water and feed parameters, taking into account the differences in technological groups, necessary for a comprehensive assessment of the herd.
4. Veterinary prevention of beef cattle. The specificity of veterinary prevention depends on the animal keeping system. Tabular data of basic production, climatic, water and feed parameters, taking into account the differences in technological groups (outdoor vs. indoor), necessary for a comprehensive assessment of the herd.
5. Veterinary prevention in sheep breeding. The specificity of veterinary prevention depends on the sheep housing system. Tabular data of basic production, climatic, water and feed parameters, taking

into account the differences in technological groups, necessary for a comprehensive assessment of the farm.

6. Veterinary prevention in aquaculture. The specificity of veterinary prevention depends on the fish and shrimp production system. The impact of aquaculture on the environment. Tabular data of basic production, climate, water and feed parameters, taking into account differences in technological groups, necessary for a comprehensive assessment of aquaculture.
7. Veterinary prevention in studs. The specificity of veterinary prevention depends on the system of keeping and using horses. Tabular data of basic production, climatic, water and feed parameters, taking into account the differences in technological groups necessary for a comprehensive evaluation of the stud.
8. Veterinary prevention in fur animal farms. The specificity of veterinary prevention depends on the production system. The impact of fur farms on the environment. Tabular data of basic production, climatic, water and feed parameters, taking into account the differences in technological groups, necessary for a comprehensive assessment of the farm.
9. Veterinary prevention in national parks, forest and agricultural environment. The specificity of veterinary prevention of wild animals.
10. The specificity of veterinary prevention in zoos.
11. Veterinary prevention in breeding and breeding of companion animals. Preventive actions in the daily medical and veterinary practice of small animals. The specificity of veterinary prevention: animal exhibitions, demonstrations, training of utility and service dogs.