

Veterinary drug 10 rules for safe use

- ① Read the user's manual thoroughly before use.
- ② Use only for the livestock designated in the user's manual or an empty livestock pen.
- ③ Observe the usage caps without fail.
- ④ Observe the withdrawal period exactly to the hour.
- ⑤ Observe the method of use (administration route) without fail.
- ⑥ Do not drug and inject medicine of the same content at the same time.
- ⑦ Select the appropriate injection part, injection syringe, etc.
- ⑧ In order to observe the withdrawal period precisely, clean up the feeder, livestock pen, feed storage room, etc. and give only feed and water free from drug during the withdrawal period.
- ⑨ Record and maintain the details of use of veterinary drug thoroughly.
- ⑩ For questions, ask the veterinarian in charge of medical treatment for assistance.



Regulations on the sanitation and safety of livestock products and criteria for penalty on violations

Relevant regulations	Details of violation	Penalty, fine	Remarks
Livestock Products Sanitary Control Act	For violation of the criteria and standard of livestock products	Penalty: criminal charge (up to 3 years' imprisonment or fine of up to 50 million won)	Business establishment, etc.
	For sale of livestock products containing -- or which may contain -- toxic or harmful materials	Penalty: criminal charge (up to 10 years' imprisonment or fine of up to 100 million won)	Business establishment, etc.
The Pharmaceutical Affairs Act	For the production or sale of unlicensed veterinary drug (sanitary aid)	Penalty: criminal charge (up to 5 years' imprisonment or fine of up to 50 million won)	Sales store, etc.
	For violation of the standard for safe use of veterinary drug	Imposition of fine: 1,000,000 won or less (first offense 300,000 won/ second offense 450,000 won/ third offense 700,000 won)	Farming family

Fowl tick insecticide for layer chickens Current status of authorization

Product name	Generic name	Manufacturer	How to use
Wagoo-free	Formic acid (Methanoic acid) Pyridaben	Fuoviders Co., Ltd.	Use for empty livestock pen.
Eso Darin Emulsion	Naled	Handong Co., Ltd.	Use for empty livestock pen.
Wagoo-free Blue	Bifenthrin	Fuoviders Co., Ltd.	Use for empty livestock pen.
CABARIN powder	BPMC (Fenobucarb)	Samu Median Co., Ltd.	Use for empty livestock pen.
BARASAL-P	BPMC (Fenobucarb)	Korea Thumbvet Co., Ltd.	Use for empty livestock pen.
CYPERKILL-WP	Cypermethrin	Sungwon Co., Ltd.	Use for empty livestock pen.
CYPERKILL-Gold (liquid)	Cypermethrin	Sungwon Co., Ltd.	Use for empty livestock pen.
Cyper-Killer	Cypermethrin	Choongang Biotech Co., Ltd.	Use for empty livestock pen.
Cyper-30	Cypermethrin	Korea Thumbvet Co., Ltd.	Use for empty livestock pen.
Cyper-15EC	Cypermethrin	Korea Thumbvet Co., Ltd.	Use for empty livestock pen.
Wagoo-free Yellow	Chlorpyrifos methyl Chlorfenapyr	Fuoviders Co., Ltd.	Use for empty livestock pen.
Bulpo-50 (production, import)	Propoxur	Bayer Korea Co., Ltd.	Use for empty livestock pen.
Elector PSP	Spinosad	Korea Elanco Veterinary Drug Co., Ltd.	Use for empty livestock pen. (If inevitable, it can be used for a henhouse with layer chickens, but spraying directly on the animal body and feed is prohibited.)
Wagoobang Liquid (Clove Extract)	Clove extract	KBNP, Inc.	Use for empty livestock pen. (If inevitable, it can be used for a henhouse with layer chickens, but spraying directly on the animal body and feed is prohibited.)
Exzolt Liquid	Fluralaner	MSD Animal Health Co., Ltd.	Administer drug diluted with water.
Wagoojabi Liquid	Chamaecyparis Obtusa Oil (Natural substance)	Caltec Bio Co., Ltd.	Use for empty livestock pen. (If inevitable, it can be used for a henhouse with layer chickens, but spraying directly on the animal body and feed is prohibited.)
Fuo Ecolkill EC	Sophora Extract (Matrine)	Fuoviders	Use for empty livestock pen.
T-undiluted solution	T-undiluted solution pyrethrin x	Hanyu SK ETS	Use for empty livestock pen. (If inevitable, it can be used for a henhouse with layer chickens, but spraying directly on the animal body and feed is prohibited.)
Ecogalli2	Sophora Extract (Matrine)	Seoul Vet Pharma Co., LTD.	Use for empty livestock pen. (If inevitable, it can be used for a henhouse with layer chickens, but spraying directly on the animal body and feed is prohibited.)
Wagooban Forte Solution	Derris elliptica	KBNP, Inc.	Use for empty livestock pen.

Created by livestock farms by themselves

Healthy animal husbandry Safe livestock products

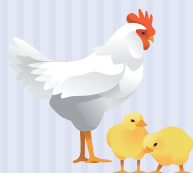


Do not use illegal insecticides; use licensed pest control drugs by following the method of use.

- ☑ Use pest control drugs that are licensed for use on animals.
- ☑ Let's use fowl tick insecticide according to the method of use indicated on the product. (User's manual)

Fowl tick

How to prevent and control



How to conduct biosecurity

① Prevent outside fowl tick from coming into the farm.

- People (outsiders, vaccine team, service team, etc.), spring chickens, wild animals (rat, dove, etc.)
- Prevent outside people from coming into the farm. The vaccine team shall shower and change clothes and shoes before entering the farm.



② Reduce the density of fowl tick inside the farm to a minimum.

- Sprinkle drug within 2~3 days of shipping and clean with water after removing dust.
 - When cleaning with water, be sure to use pressure washer to get rid of dust and eggs and larvae of fowl tick.
- After disinfecting by cleaning, be sure to administer adequate disease control drug before autumn.
 - Disinfection shall be done in all areas including the ceiling and walls. Disease control drug may be administered only in the henhouse if the density of infection is not very high in all chicken groups.
 - For use of drug; examination of resistance to fowl tick ▶ Select effective drug ▶ Use acaricide to kill eggs and larvae ▶ Inspection by an expert after disinfection



※ Refer to the homepage of the Korea Poultry Association for the effective drugs and directions on the use of the drugs.

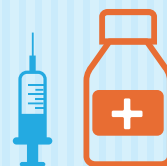
How to manage the henhouse

① Regular monitoring of all henhouses at least once a month

② Cleaning and humidity control

- Keep the floor clean using scraper and non-motorized cleaner to prevent dust from collecting on the passage and inside the henhouse.
- Maintaining the humidity of the henhouse at below 70% is recommended.

Use of drugs at livestock farms



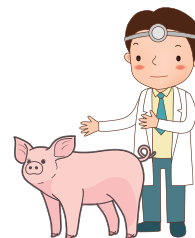
Veterinary drug

- ① Drug used for the prevention of animal diseases and effective treatment
- ② Products used for the purpose of improving productivity by raising healthy livestock and facilitating growth



Veterinary drug to be prescribed

- ① Veterinary drug that cannot be sold without the prescription of a veterinarian
- ② Being sold as a drug that may be abused, a drug that needs the professional knowledge of a veterinarian for use, or a drug that may cause trouble due to dosage and require medical action according to Section 6, Article 85 of the Pharmaceutical Affairs Act



Sanitary aid for animals

- ① An agent that does not act directly on animals or which has a very light effect on animals and which is used for disease prevention, animal hygiene, beauty, etc.
- ② Disinfectant for the prevention of animal disease, germicide, disinfectant, inhibitor, repellent, attracticide, etc. (An agent absorbed into the animal body is regarded as a veterinary drug.)

It is necessary to use only licensed veterinary drug and sanitary aid for animals (such as insecticide). Even licensed products shall be used properly according to the 10 rules for safe use and method of use (user's manual) written on the product.

※ A farm certified as an environment-friendly farm shall use the product after checking whether the product can be used in an environment-friendly farm.

Veterinary drug

Critical items



Observance of withdrawal period

① What is withdrawal period?

The period necessary for the drug remaining in the meat, egg, milk, etc. to be discharged under the allowed level after administration of the drug

② Matters to be observed

Be sure to observe the withdrawal period stated in the user's manual as the withdrawal period differs by kind of drug, administered animal, route of administration (injection, dilution with water, addition to feed, etc.), quantity of administered drug, etc.

(Ex.) If the withdrawal period written in the user's manual is 5 days, and the last administration time was 9 AM on Friday, 9 AM the next day, Saturday, becomes Day 1 of the withdrawal period and 9 AM next Wednesday will be Day 5 of the withdrawal period. Therefore, in this case, shipping should be done after 9 PM next Wednesday.

Prohibition on misuse or abuse of antibiotic

① Problems caused by misuse or abuse of antibiotic

- The effect of disease treatment is reduced if antibiotic is used for a long time due to resistance to drug.
- Bacteria resistant to antibiotic can cause resistance in humans via transmission through livestock food or in the environment of the livestock pen.
- Livestock food with residual antibiotic will cause distrust among consumers and reduce their will to consume livestock products, resulting in economic damages to livestock farms.

② If antibiotic is used for a milking cow or a chicken laying eggs, antibiotic component can be found in milk or eggs. Thus, be careful when using antibiotic.

③ 5 rules for the prevention of resistance to antibiotic

- Be sure to consult with a veterinarian on the exact diagnosis and use of antibiotic.
- Do not use antibiotic for purposes of disease prevention.
- Use antibiotic appropriate for each animal species and disease.
- Follow the instruction on the use of antibiotic and record the details of use.
- Give feed free from antibiotic for a certain period before shipping.

④ What if a farm ships livestock and products violating the provision on residual antibiotic?

- A farm that ships livestock or products, such as eggs whose residual antibiotic exceeds the allowed level, shall be slapped with up to 1,000,000 won of fine and will be subject to stricter regulation and inspection for 6 months.
- Livestock products that exceed the allowed level of residual antibiotic shall be destroyed, causing economic damages.