

# How to apply bio security in farm

Bio security includes all the techniques applied before and during the rearing period of animals to improve their rearing conditions and reduce the presence of pathogens.

Disease outbreak of farms affect technical and economic results however, these diseases can effectively be controlled to reduce the spread of diseases by implementing bio security measures. Additionally when disinfecting ensure to use an effective disinfecting material that kills pathogens.

## Bio security measures

Always limit domestic animals contact with wild animals can be done through establishing a fence around the farm.

Also control human access to farm and ensure to wash, disinfect vehicles entering the farm to prevent contamination from external pathogens.

Additionally, people entering farm should shower, wear clean clothes. Furthermore isolate newly purchased animals for one month to avoid transmission of pathogens.

Always use artificial insemination, control origin of semen and check the farm where semen was produced to control spread of reproductive diseases.

It is also important to separate animals according to age, physiological state to increase resistance to diseases.

Ensure to clean animal building, disinfect and dry them to eliminate organic matter and to kill pathogens. After cleaning allow building to rest for 7 days before introducing new animals

Make sure that equipments used must be cleaned and disinfected. Additionally, put nets on open building to prevent between wild bird that carry pathogens.

Also implement a control plan to eliminate pests from the site and use feeds from trusted dealer but not kitchen waste.

Always treat animal drinking water, frequently clean water distribution system to eliminate pathogens and avoid development of bio films in pipes respectively.

Ensure to vaccinate animals for increased animal protection against viruses, isolate sick animals for proper treatment and avoid contamination and lastly, boil dead animals, treat manure to destroy pathogens.