

# STEP 2: SELF-ASSESSMENT BIOSECURITY CHECKLIST – LIVESTOCK AND POULTRY

This checklist points out biosecurity strengths (what you are doing well) and areas for improvement on your farm/ranch. Biosecurity actions can reduce the risk of disease-causing germs from entering, spreading, and leaving your farm/ranch. This helps keep animals healthy. Biosecurity actions can also protect people from zoonotic diseases, those that spread from animals to humans.

## BIOSECURITY PLANNING, MANAGING, AND TRAINING

Biosecurity plans do not have to be complex to work. A plan should address all the ways disease could enter or spread on your operation and describe actions to prevent it. Use these 3 steps to get started. Step 1: Fill out the Movement Risks document. Step 2: Fill out this checklist. Step 3: Use the biosecurity template to write a biosecurity plan. Once written, manage biosecurity actions and train others about what is needed. Want to learn more about the topics below? We have a Tip Sheet for each at: [cfsph.iastate.edu/biosecurity](https://cfsph.iastate.edu/biosecurity).

Look through the questions below. Answer those that apply to your operation and ignore/cross off the others.

## PROTECTING YOUR HERD/FLOCK

Disease can enter from outside sources. Biosecurity actions can protect your animals from disease. Limiting entry to your operation can protect your herd/flock.

YES	NO	
<input type="checkbox"/>	<input type="checkbox"/>	Can you limit entry of people and vehicles to your farm/ranch?
<input type="checkbox"/>	<input type="checkbox"/>	Are signs posted at the entry points with biosecurity information?
<input type="checkbox"/>	<input type="checkbox"/>	Do you have a parking area for vehicles away from animal areas?



## ANIMAL HEALTH AND DISEASE MONITORING

Good husbandry combined with good biosecurity helps animals thrive.

YES	NO	
<input type="checkbox"/>	<input type="checkbox"/>	Do your animals have a clean, dry place to rest?
<input type="checkbox"/>	<input type="checkbox"/>	Do those working with animals on your operation follow good animal handling practices?
<input type="checkbox"/>	<input type="checkbox"/>	Do animal caretakers check animals often for signs of disease?
<input type="checkbox"/>	<input type="checkbox"/>	Do you have a separate area to isolate sick animals?
<input type="checkbox"/>	<input type="checkbox"/>	Do animal caretakers work with the healthiest and youngest animals first, then older animals, then sick animals last?
<input type="checkbox"/>	<input type="checkbox"/>	Do you feed your animals based on their age, growth, and health needs?
<input type="checkbox"/>	<input type="checkbox"/>	Do you have a vaccination program for all species on your operation?
<input type="checkbox"/>	<input type="checkbox"/>	Do you check your medicine refrigerator to make sure it is at the proper temperature (36° - 46°F)?
<input type="checkbox"/>	<input type="checkbox"/>	Do you have a parasite prevention program?

## VEHICLES AND EQUIPMENT

Animal diseases can be spread by dirty or shared vehicles, machinery, and equipment. Use the Step 1 Movement Risks and Biosecurity document for a list of things that come on or leave: [cfsph.iastate.edu/biosecurity](https://cfsph.iastate.edu/biosecurity).

YES	NO	
<input type="checkbox"/>	<input type="checkbox"/>	Can you limit entry of shared vehicles, machinery and equipment if they are dirty?
<input type="checkbox"/>	<input type="checkbox"/>	If equipment is shared with other animal operations, is it cleaned and disinfected before entering your property?



## CLEANING AND DISINFECTION (C&D)

Cleaning and disinfection – also referred to as C&D – is a key part of biosecurity. C&D reduces or kills germs that can spread disease to your animals.

YES	NO	
<input type="checkbox"/>	<input type="checkbox"/>	Do you thoroughly clean (remove any visible manure, dirt, bedding) and wash all objects before applying a disinfectant?
<input type="checkbox"/>	<input type="checkbox"/>	Are disinfectants used according to the product label (storing, mixing, concentration, protective gear, rinsing, etc.)?
<input type="checkbox"/>	<input type="checkbox"/>	Do you always allow a disinfection solution contact time to “sit” and work?
<input type="checkbox"/>	<input type="checkbox"/>	Are safety measures (e.g., avoiding runoff, wearing safety equipment) taken during C&D?



## PERSONNEL (FAMILY MEMBERS, EMPLOYEES, VISITORS)

People who handle animals should be limited to those with clean clothing, clean footwear, and clean hands. This can also protect people from zoonotic diseases that animals can spread to people.

YES	NO	
<input type="checkbox"/>	<input type="checkbox"/>	Do you limit who has contact with your animals?
<input type="checkbox"/>	<input type="checkbox"/>	Do you restrict people who have traveled internationally from entering your operation?
<input type="checkbox"/>	<input type="checkbox"/>	Do you provide gloves or a handwashing station with running water, soap, and towels for animal handlers?



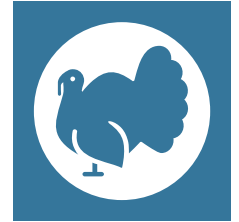
## ZOONOTIC DISEASES AND AGRITOURISM

YES	NO	
<input type="checkbox"/>	<input type="checkbox"/>	Do you have barriers in place to limit contact between animals and visitors?
<input type="checkbox"/>	<input type="checkbox"/>	Do you provide gloves or a handwashing station with running water, soap, and towels for visitors?
<input type="checkbox"/>	<input type="checkbox"/>	Do you have signs posted that promote handwashing before and after animal contact?
<input type="checkbox"/>	<input type="checkbox"/>	Is human food not allowed in animal areas?

## ANIMAL MOVEMENT

Animals moving on and off your property can introduce and spread disease if biosecurity steps are not taken.

YES	NO	
<input type="checkbox"/>	<input type="checkbox"/>	Do you buy animals only from places with strict biosecurity programs?
<input type="checkbox"/>	<input type="checkbox"/>	Are new or returning animals separated from all other animals for a period of time before mixing them with your herd/flock?
<input type="checkbox"/>	<input type="checkbox"/>	Is separate feed and water equipment used for new or returning animals?
<input type="checkbox"/>	<input type="checkbox"/>	Do you have an emergency plan to care for your animals in the event of a natural disaster or other event that could stop animal and supply movement?



## CARCASS DISPOSAL

Farms and ranches lose animals due to disease. Dead animals should be disposed of promptly to prevent exposure to live animals. Carcass disposal may include burial, burning, composting, landfill, or rendering. Local and state rules on carcass disposal must be followed.

YES	NO	
<input type="checkbox"/>	<input type="checkbox"/>	Do you know the approved options to dispose of carcasses in your area?
<input type="checkbox"/>	<input type="checkbox"/>	Are rendering trucks or other vehicles that haul dead animals to a common disposal site restricted from entering your property?
<input type="checkbox"/>	<input type="checkbox"/>	Are dead animals disposed of in a way that prevents the attraction and access of wildlife, pets, rodents, and other scavengers?

## MANURE, LITTER, AND BEDDING MANAGEMENT

Manure, litter, and bedding can be good for the soil, but can also contain disease causing germs. Safe handling can help prevent animal and human disease. Local and state rules on manure disposal must be followed.

YES	NO	
<input type="checkbox"/>	<input type="checkbox"/>	Is animal housing managed to prevent manure, litter or soiled bedding buildup?
<input type="checkbox"/>	<input type="checkbox"/>	Do you prevent young animals from coming in contact with manure and soiled bedding from older animals?
<input type="checkbox"/>	<input type="checkbox"/>	Do you purchase/use bedding materials from trustworthy sources with a quality control program?



## WILDLIFE, RODENT, AND OTHER ANIMAL CONTROL

Wildlife, rodents, birds, and other animals like cats and dogs can carry disease on their fur, feet, feathers, or in their feces. Keeping these animals away from animal areas takes effort.

YES	NO	
<input type="checkbox"/>	<input type="checkbox"/>	Do you have an on-farm person or professional company place and monitor rodent/pest bait and use according to package label directions?
<input type="checkbox"/>	<input type="checkbox"/>	Is trash removed often?
<input type="checkbox"/>	<input type="checkbox"/>	Are steps taken to minimize bird and rodent nesting around your operation?
<input type="checkbox"/>	<input type="checkbox"/>	Are roaming dogs and cats prevented from entering animal areas?



## FEED AND WATER

Feed and water are essential for animal health.

YES	NO	
<input type="checkbox"/>	<input type="checkbox"/>	Is fresh, clean water available to all animals throughout the day?
<input type="checkbox"/>	<input type="checkbox"/>	Are feed spills cleaned up immediately?
<input type="checkbox"/>	<input type="checkbox"/>	If the same equipment is used for feed and manure handling, is it thoroughly cleaned and disinfected before it is used for feeding?

## ACKNOWLEDGMENTS

Development of this material was made possible through grants provided to the Center for Food Security and Public Health at Iowa State University, College of Veterinary Medicine from the U.S. Department of Agriculture (USDA) Animal and Plant Health Inspection Service through the National Animal Disease Preparedness and Response Program (NADPRP) and National Institute of Food and Agriculture, under award number AWD-021794-00001 through the North Central Region SARE program under project number ENC19-176. USDA is an equal opportunity employer and service provider. Any opinions, findings, conclusions, or recommendations expressed in this publication are those of the author(s) and do not necessarily reflect the view of the USDA. Iowa State University is an equal opportunity provider. For the full non-discrimination statement or accommodation inquiries, go to [extension.iastate.edu/diversity/ext](https://extension.iastate.edu/diversity/ext).