

# Dairy Biosecurity Risk Assessment

The intent of this biosecurity risk assessment is to assist Nebraska dairy producers and dairy veterinarians in creating or enhancing biosecurity practices. This document is freely available for download via the [Big Red Biosecurity website](#). The focus of the biosecurity principles outlined here is on preventing the introduction and/or spread of H5N1 highly pathogenic avian influenza (HPAI) in dairy cattle, but many of the principles apply generally to all infectious diseases that cattle are susceptible to.



Note: Influenza viruses are traditionally very susceptible to most commercially available disinfectant solutions developed for surfaces. It is important to make workers aware that surfaces must be clean (free of obvious debris) prior to disinfecting the surface. Additionally, proper contact time should be followed according to the label instructions.

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Yes	Could Be Improved	N/A	<b>Vehicle Traffic</b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Milk pick-up and off-farm vehicle traffic routes are a reasonable distance from lactating dairy cows.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Milk haulers have personal protective equipment (PPE) available for use if they choose to use it.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Milk haulers are aware of proper fit, usage, and disposal of personal protective equipment (PPE) used during milk pickups.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Feed and supply delivery vehicles have a designated unloading area away from lactating dairy cows with a dedicated route that is not shared by normal on-farm vehicle traffic.

Yes	Could Be Improved	N/A	<b>Exterior and Interior Farm Boundaries</b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Signage is present to direct off-farm vehicle traffic to parking areas away from lactating dairy cows and instructing where visitors are to report to.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Boundaries for areas within the farm are clearly defined and possess either controlled or clearly labeled uncontrolled access points. For example, the door to the parlor is appropriately marked and treated as a separate area in regards to putting on, taking off, and disposal of personal protective equipment (PPE).

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Yes	Could Be Improved	N/A	<b>Animal Health</b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Hospital pen workers are familiar with treatment protocols for common ailments of dairy cattle.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Hospital pen workers understand proper dosage and administration of commonly used veterinary medications.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All workers are familiar with the clinical signs associated with H5N1 infection in dairy cattle.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A plan is in place to identify suspect animals for further evaluation by a state licensed veterinarian.

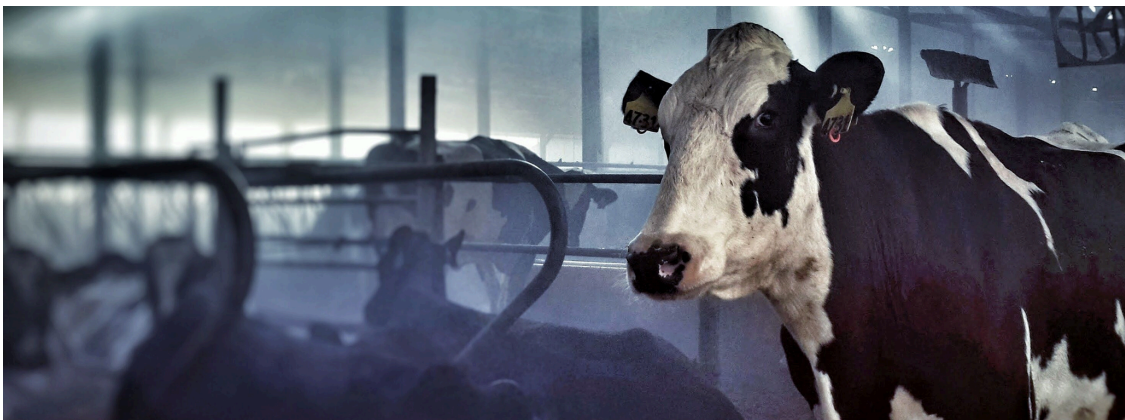
Yes	Could Be Improved	N/A	<b>Animal Movement</b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	An isolation pen of adequate size is available to house newly arrived cattle for at least 2 weeks where they can be monitored for clinical signs prior to comingling with the main herd.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All workers responsible for animal movement in or out of the farm are aware of current import/export requirements and have the appropriate contact information to determine any updates to animal movement requirements.

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Yes  
Could Be Improved  
N/A

## Worker Safety & Awareness

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	An adequate supply of applicable personal protective equipment (PPE) such as face/eye protection and disposable gloves is made available to all workers on the dairy for voluntary use.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A variety of personal protective equipment (PPE) sizes are available for workers.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All workers are aware of the proper fit and usage of personal protective equipment (PPE) provided.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Hand washing areas are strategically placed to promote worker hand hygiene and comply with defined boundaries between on-farm locations.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All workers are aware of the potential spread between dairy cattle, poultry, and other domestic animals and wildlife.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Attempts to minimize the number of on-farm non-bovine domestic animals and wildlife are in practice.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Workers understand the increased awareness and precautions required if they or members of their household work with poultry.



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Yes	Could Be Improved	N/A	<b>Equipment Disinfection</b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Proper milking practices and equipment disinfection are adhered to (see National Mastitis Council document on recommended milking procedures <a href="#">here</a> ).
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Supplies to disinfect reusable personal protective equipment (PPE) such as face shields or safety glasses are readily available and strategically placed throughout the farm.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Workers are required to wear footwear that is easily cleaned such as rubber boots or overboots.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Boot cleaning stations are strategically placed throughout the farm along defined boundaries separating one part of the farm from another.

Yes	Could Be Improved	N/A	<b>Disposal of Soiled &amp; Contaminated Materials</b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Soiled or contaminated personal protective equipment (PPE) is properly disposed of. At a minimum, all soiled or contaminated supplies are double bagged, sealed, and appropriately labeled before discarding with other trash.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A plan is in place for proper disposal and/or treatment of milk from H5N1 positive cows.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	There is a protocol in place for carcass disposal. Carcass collection and disposal areas are located a reasonable distance away from susceptible animals and near the periphery of the farm.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If a rendering service is used, there is a dedicated road or path for the rendering truck to enter the farm boundary that is a reasonable distance from susceptible animals.

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Yes	Could Be Improved	N/A	Visitors
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The number and type of outside visitors to the farm is monitored by farm personnel .
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If off-farm persons visit the farm, their recent exposure to other dairy or poultry farms is determined <b>prior</b> to the visitor being allowed on the farm (this excludes routine milk hauling workers).
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Any visitors allowed on the farm are provided with clean boots or boot covers and coveralls.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A detailed record of any visitors allowed on the farm is kept.

