AQUACULTURE BIOSECURITY: STEP 3

BIOSECURITY PLAN TEMPLATE FOR LAND-BASED AQUACULTURE FARMS AND HATCHERIES



Biosecurity is a critical part of any aquatic animal health management plan and the daily operation of every land-based aquaculture farm and hatchery. These practices, procedures, and policies can help to prevent and manage disease-causing organisms and respond to outbreaks. A written biosecurity plan records and documents farm characteristics and disease prevention measures that you have in place.

- This effort helps to outline and guide you and your aquatic animal team in communicating, monitoring, and assessing disease prevention efforts used on your site.
- A written biosecurity plan can be beneficial for health inspections, audits, regulatory compliance, certification programs, marketing, and return to business after an outbreak.
- Biosecurity plans are living documents and should be reviewed annually by farm owners/managers.

THE BIOSECURITY TEMPLATE:

This biosecurity template document is designed to help you develop a site-specific, written biosecurity plan for your farm or hatchery. It provides a starting point that can be customized to fit your needs.

- The template is divided into sections aligned with the key pathogen transmission pathways common to most land-based aquaculture facilities (e.g., ponds, raceways, RAS).
- It coordinates with other resources and assessment tools (e.g., Step 1 and Step 2 documents) on the aquaculture biosecurity website.

HOW TO USE THIS TEMPLATE:

- The form can be printed and completed by hand or edited electronically.
- Answer questions or provide information specific to your business in the right-hand column.
- Skip or delete sections that are not applicable.
- Be sure to attach a labeled premises map to the end of this plan.

RESOURCES TO HELP:

- A video explaining how to use this template is available on the <u>aquaculture biosecurity</u> website.
- Aquaculture biosecurity tip sheets and videos explaining each pathogen transmission pathway and possible biosecurity actions that can be taken for land-based aquaculture farms are also available.



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BIOSECURITY PLAN

FARM/BUSINESS INFORMATION

DESCRIPTION	FARM INFORMATION
Farm Name	[Add name here]
Address	[Add street address, city, state, zip code here]
GPS coordinates	[Add GPS coordinates here]
Date of Plan*	[Add date here]
Written/reviewed by	[Add name and position]

^{*}Biosecurity plans should be reviewed and updated annually.

OWNER CONTACT INFORMATION

DESCRIPTION	OWNER INFORMATION
Owner	[Add name here]
Phone number (cell, home)	[Add phone number here]
Email Address	[Add email address here]

FARM MANAGER CONTACT INFORMATION

DESCRIPTION	FARM MANAGER INFORMATION
Owner	[Add name here]
Phone number (cell, home)	[Add phone number here]
Email Address	[Add email address here]

AQUATIC ANIMAL HEALTH TEAM INFORMATION

DESCRIPTION	AQUATIC ANIMAL HEALTH TEAM INFORMATION
Aquatic Veterinarian	[Add name and phone number here]
Fish Health Specialist	[Add name, phone number, and email address here]
Other Fish Health Professionals	[Add name, phone number, and email address here]
Diagnostic Laboratory	[Add name, phone number, and email address, and purpose (e.g., tests)]
Other Important Contacts	[Add name, phone number, and email address here]

AQUATIC ANIMAL SPECIES AND FARM BUSINESSES

DESCRIPTION	AQUATIC ANIMAL SPECIES AND FARM BUSINESSES		
Aquatic animal species raised on this farm	[List all aquatic animal species raised on the farm and the quantity of each.]		
Other livestock or poultry raised on this farm	☐ Yes ☐ No [If yes, list livestock species or poultry and number of animals]		
Additional business ventures on this property	Mark all that apply: ☐ None ☐ Fee fishing ☐ Bait sales ☐ Farm store ☐ Produce stand ☐ Egg stand ☐ Farm tours ☐ Feed sales ☐ Fertilizer/compost sales ☐ Other (describe here)		

DISEASES OF CONCERN FOR SPECIES REARED

DESCRIPTION	DISEASES OF CONCERN INFORMATION
List infectious diseases of concern	[List your top infectious diseases of concern for the species you raise on the farm.]
List non-infectious diseases of concern	[List your top non-infectious diseases of concern, including water quality and nutritional issues, for the species you raise on the farm.]
List foreign diseases of concern	[List any diseases foreign to the U.S. that are of concern for the species you raise on the farm.]

FARM ENTRANCE AND ACCESS BIOSECURITY

DESCRIPTION	FARM ENTRANCE AND ACCESS INFORMATION		
Number of entrances/access points	[Add number of access points/entrances to the farm or hatchery]		
Barriers used at farm entrance(s) and animal production areas	[Describe the types of barriers (e.g., fencing, gate, doorway) used at the farm entrance and production area access points]		
Biosecurity signs are posted at farm access points	☐ Yes ☐ No [Describe wording of access point signs – for example, phone number to call for entry, a protocol for entering, etc.]		
Languages used for signs	[List sign languages used (e.g., Spanish]		
Access to the farm by people is controlled or restricted	□ Yes □ No		
Access to the farm by vehicles is controlled or restricted	□ Yes □ No		

FARM BIOSECURITY MAP

DESCRIPTION	FARM BIOSECURITY MAP INFORMATION
A farm biosecurity map is developed and included with this plan	□ Yes □ No
The map is labeled with the	☐ Farm entrance(s)
following areas	☐ Any perimeter fencing (farm or production areas)
	☐ Main roadways
	☐ Vehicle drive paths, including feed delivery and transport vehicles
	☐ Animal production areas and points of entry/access points
	☐ Animal loading/unloading locations
	☐ Any biosecurity lines that are in place
	☐ Source water inputs
	☐ Water inflow locations
	☐ Treatment units/areas or reservoirs
	☐ Any nearby natural bodies of water
	☐ Any buildings on the farm
	☐ Any quarantine and isolation areas
	☐ Feed storage buildings
	☐ Dead animal disposal areas
	☐ Cleaning and disinfection stations
	☐ Designated parking areas
	☐ Designated drive paths for vehicles
	☐ Designated footpaths for visitors
	List any other items included on the map:

Remember to attach your labeled map of your farm or hatchery to this biosecurity plan.

INCOMING AQUATIC ANIMALS

HEALTH OF INCOMING ANIMALS

DESCRIPTION	INCOMING ANI	MAL INFORMATION
New animals for the farm are obtained on-site (i.e., not purchased)	□ Yes	□ No
New animals for the farm are purchased or obtained from disease-free sources	☐ Yes [If yes, the sou	□ No urces for new animals.]
Newly purchased animals come from the following suppliers	[List name/cor	ntact information for suppliers.]
Newly purchased animals are tested for pathogens before entering the farm	☐ Yes [If yes, list the	☐ No testing requirements or pathogen tests conducted.]
Specific pathogen-free (SPF) animals are purchased for the farm	☐ Yes [If yes, list the	☐ No ☐ Not applicable pathogens for which the animals are certified.]
SPF animals come from the following suppliers	[List name/cor	ntact information for suppliers.]
Incoming animals are inspected for visible health issues upon arrival at the farm	□ Yes	□ No
Any eggs acquired are disinfected according to local, State, and Federal guidelines	□ Yes	□ No

QUARANTINE OF INCOMING ANIMALS

DESCRIPTION	AQUATIC ANIM	MAL QUARANTINE INFORMATION
The farm has a quarantine area to house incoming animals	□ Yes	□ No
The quarantine area is located away from other aquatic animal production areas	☐ Yes [List the locati farm map.]	☐ No tion of the quarantine area below and label it on the
The quarantine area has a dedicated water system	□ Yes	□ No
Any effluent from the quarantine area is handled in a manner to avoid cross-contamination to other areas of the farm	☐ Yes [If yes, descril or contained.]	☐ No libe how effluent from the quarantine area is handled .]
Separate equipment is designated for sole use in quarantine areas	□ Yes	□ No
Any equipment that must be shared with other areas of the farm is cleaned and disinfected before use outside the quarantine area	□ Yes	□ No
New animals are quarantined immediately upon arrival at the farm	☐ Yes [If yes, descril	☐ No ibe how long incoming animals are quarantined.]
Any animals taken off-site and returned, such as for sales or exhibitions, are quarantined immediately upon return to the farm	□ Yes	□ No □ Not applicable
Incoming animals are treated with approved therapeutants (e.g., freshwater, salt, formalin) in quarantine	☐ Yes [If yes, list the	□ No erapeutants used.]
Access to the quarantine area is limited to only essential personnel	□ Yes	□ No

DESCRIPTION	AQUATIC ANIMAL QUARANTINE INFORMATION
Quarantined animals are cared for after resident stock or by different personnel	□ Yes □ No
Quarantined animals are monitored daily by trained personnel for signs of illness	□ Yes □ No
Quarantined animals are tested for specific pathogens of concern	☐ Yes ☐ No [If yes, list specific pathogen testing performed.]
Foot baths, handwashing stations, dedicated coveralls, and footwear/waders are provided at the entry points of the quarantine area	 ☐ Yes ☐ No Mark those that are provided: ☐ Foot baths ☐ Handwashing stations ☐ Dedicated coveralls ☐ Dedicated footwear/waders ☐ Other (describe here)

FARM MANAGEMENT PROCEDURES

DESCRIPTION	AQUATIC ANIMAL FARM MANAGEMENT PROCEDURES
Records of the origin of all animals on the farm are maintained	☐ Yes ☐ No [List the location of farm records]
Farm records on production parameters and animal health (e.g., illness, mortalities, treatments) are kept and evaluated to detect disease problems	☐ Yes ☐ No [List the location of farm records]
Animals on the farm are vaccinated	☐ Yes ☐ No ☐ Not applicable (not available) [If yes, list vaccines used. Include a vaccine schedule with this biosecurity plan.]

DESCRIPTION	AQUATIC ANIMAL FARM MANAGEMENT PROCEDURES
Employees are trained to recognize signs of illness or stress for species kept on site	 ☐ Yes ☐ No [If yes, select how often employees are trained.] ☐ Monthly ☐ Quarterly ☐ Biannually ☐ Annually ☐ Other (describe here)
Animals are monitored regularly by trained personnel for signs of disease	 ☐ Yes ☐ No [If yes, select how often animals are observed.] ☐ Twice daily ☐ Daily ☐ Weekly ☐ Other (describe here)
Employees should contact the following individual(s) when signs of stress or illness are noticed in farm stock	[List the person(s) to contact when stress or illness is noticed.]
The farm has an isolation area for animals showing signs of illness	□ Yes □ No
The isolation area is located away from other aquatic animal production areas	☐ Yes ☐ No [List the location of the isolation area below and label it on the farm map.]
The isolation area has a dedicated water system	□ Yes □ No
Any effluent from the isolation area is handled in a manner to avoid cross-contamination to other areas of the farm	☐ Yes ☐ No [If yes, describe how effluent from the isolation area is handled or contained.]
Separate equipment is designated for sole use in the isolation area	□ Yes □ No

DESCRIPTION	AQUATIC ANIMAL FARM MANAGEMENT PROCEDURES
Any equipment that must be shared with other areas of the farm is cleaned and disinfected before use outside the isolation area	□ Yes □ No
Sick animals are removed promptly and placed in an isolation area using biosecure processes	☐ Yes ☐ No [If yes, describe the protocol used to remove and transport sick animals to the isolation area, or attach the specific protocol to the end of this plan.]
Signs are posted informing personnel of containment units with disease or that are undergoing treatment	☐ Yes ☐ No [If yes, describe the protocol used to inform personnel of units with ill animals, or attach the specific protocol to the end of this plan.]
Sick animals are tested/necropsied to determine the cause of death	□ Yes □ No
A farm disposal area is located away from aquatic animal production areas.	☐ Yes ☐ No [List the location of the disposal area below and label it on the farm map.]
Disposal methods used on the farm include	[Describe the method of disposal used on the farm.] □ Burial □ Incineration □ Composting □ Other (describe here)
Dead animals are removed promptly from production areas.	☐ Yes ☐ No [If yes, describe the protocol used to remove dead animals from production areas, or attach the specific protocol used at the end of this plan.]

DESCRIPTION	AQUATIC ANIMAL FARM MANAGEMENT PROCEDURES
Dead animals are disposed of in a biosecure manner (e.g., preventing cross-contamination to other areas of the farm)	☐ Yes ☐ No [If yes, describe the protocol to transport dead animals to the disposal area, or attach the protocol to the end of this plan.]
Dead animals are necropsied to determine the cause of death	□ Yes □ No
Disposal areas are managed (e.g., covers, barriers, deterrents) to prevent or deter access by wildlife, wild birds, and pets	☐ Yes ☐ No [If yes, describe disposal management protocols used to prevent vector access, or attach the protocol to the end of this plan.]
Animal waste products (e.g., feces, uneaten feed) are removed regularly to prevent disease spread	☐ Yes ☐ No [If yes, describe the waste management protocol used, or attach the protocol to the end of this plan.]
Any equipment used to handle animal waste products is cleaned and disinfected before use elsewhere on the farm	☐ Yes ☐ No [If yes, describe the cleaning and disinfection protocol (and disinfectant product) used for animal waste handling equipment, or attach the protocol to the end of this plan.]
Wastewater, transport water, containers, and associated equipment associated with sick or dead animals are handled in a manner that avoids crosscontamination with other production areas or units.	☐ Yes ☐ No [If yes, describe the handling and/or cleaning and disinfection protocol used for wastewater, transport water, and associated equipment, or attach the protocol to the end of this plan.]

SOURCE WATER

WATER SOURCES

DESCRIPTION	SOURCE WATER INFORMATION
The farm water supply is obtained from:	 (Mark all that apply) □ Surface water sources (e.g., rivers, streams, lakes, surface runoff) □ Groundwater (e.g., springs, wells, aquifers) □ Municipal water sources [Describe the specific water sources the farm uses.]
Inflow pipes are screened and maintained to prevent the introduction of wild stock	☐ Yes ☐ No ☐ Not applicable [If yes, describe the protocol used to maintain inflow pipes, or attach the protocol to the end of this plan.]
Groundwater is held in a reservoir/settling pond before use in production areas	☐ Yes ☐ No ☐ Not applicable [List the location of the settling ponds or reservoirs below and label them on the farm map.]
Settling ponds and reservoirs are cleaned periodically	 ☐ Yes ☐ No ☐ Not applicable [If yes, select the option for how often settling ponds and reservoirs are cleaned.] ☐ Biannually ☐ Annually ☐ Other (describe here)
Water aeration is used to improve water quality	☐ Yes ☐ No [If yes, describe the methods used to provide water aeration.]

DESCRIPTION	SOURCE WATER INFORMATION
Filtration systems are used to remove suspended solids and organic matter	 ☐ Yes ☐ No ☐ Not applicable (Mark all that apply) ☐ Mechanical filtration ☐ Biological filtration [If yes, describe the protocol used to maintain the filtration system or attach the protocol to the end of this plan.]
Water sources are disinfected/sterilized before use	☐ Yes ☐ No ☐ Not applicable If yes, select the method used below (mark all that apply) ☐ Ozone ☐ Ultraviolet light ☐ Other: (describe) [For water disinfection methods used on the farm, list the dose, duration, concentration, and scheduled monitoring and maintenance schedule, or attach the protocol to the end of this plan.]
Chemically treated water (e.g., municipal source) is neutralized before use	 ☐ Yes ☐ No ☐ Not applicable [If yes, what method is used (mark all that apply)] ☐ Sodium thiosulfate ☐ Allow to sit and inactivate before use ☐ Other (describe here)
Measures to minimize water aerosol risks are in place	☐ Yes ☐ No ☐ Not applicable [If yes, describe the procedures used to minimize water aerosols and splashes.]

WATER QUALITY

DESCRIPTION	WATER QUALITY INFORMATION
Records are kept on water quality parameters	☐ Yes ☐ No [List the location of water quality records]
Water quality parameters tested on the farm include:	(Mark all that apply, and list the optimal target ranges for each.) □ pH □ Temperature □ Dissolved oxygen □ Alkalinity □ Chlorine and chloride □ Chloride □ Ammonia □ Nitrite □ Nitrate □ Other (describe here)
Optimal ranges for water quality parameters have been determined	☐ Yes ☐ No [If yes, list optimal ranges in the box above.]
Water quality parameters are tested and reviewed regularly	☐ Yes ☐ No [If yes, select the frequency of testing.] ☐ Twice daily ☐ Daily ☐ Weekly ☐ Other (describe here)
Procedures to address water quality issues (e.g., who to contact or what to do when parameters are out of optimal range) have been determined	□ Yes □ No
For intensive systems, regular water exchanges are used to optimize water quality	☐ Yes ☐ No ☐ Not applicable [If yes, describe the protocol, including the volume/amount or percentage, and frequency for water exchanges.]

TRANSPORT WATER

DESCRIPTION	TRANSPORT WATER INFORMATION
Vehicles and equipment are cleaned and disinfected <u>before</u> aquatic animal transport	☐ Yes ☐ No [If yes, list the disinfectant product and concentration used]
All vehicles and equipment are cleaned and disinfected <u>after</u> aquatic animal transport	☐ Yes ☐ No [If yes, list the disinfectant product and concentration used]
Water and debris (including bilge water) are removed before cleaning and disinfection	□ Yes □ No
The farm uses dedicated vehicles and equipment for transport purposes	□ Yes □ No
Pathogen-free water sources or disinfected water are used for transport purposes	☐ Yes ☐ No [List the water source used. If water is disinfected, list the method, dose, duration, concentration, and neutralization (if applicable) used.]
Portable filtration units are used during transport	□ Yes □ No
Temperature control devices are used during transport	☐ Yes ☐ No [If yes, list the optimal temperature range.]
Aeration or oxygenation units are used during transport	□ Yes □ No
Water quality parameters are monitored during transport	☐ Yes ☐ No [If yes, list parameters monitored and optimal ranges for each.]

FOMITES: VEHICLES AND EQUIPMENT

LIMIT AND CONTROL VEHICLE ACCESS

DESCRIPTION	FOMITE (VEHI	CLES AND EQUIPMENT) INFORMATION
Vehicle entry (including watercraft) onto the farm, particularly animal production areas, is limited	□ Yes	□ No
Records are kept for any vehicles entering the farm	☐ Yes [List the locati	☐ No on of vehicle entry records.]
Drive paths away from animal production areas have been designated	□ Yes	□ No
Signs informing vehicles of designated drive paths are posted	□ Yes	□ No

VEHICLES

DESCRIPTION	VEHICLE BIOSECURITY INFORMATION
Vehicles are shared with other operations	□ Yes □ No
If vehicles are shared, they are cleaned and disinfected before entering the property	☐ Yes ☐ No ☐ Not applicable [If yes, list the disinfection protocol, including disinfectant product and concentration, or attach the protocol to the end of this plan.]
List the individual in charge of monitoring the vehicle cleaning and disinfection protocols for the farm	[List the name and contact information for the responsible person.]
Vehicle wash stations are located on the farm	☐ Yes ☐ No [List the location of the vehicle wash station and label it on the farm map.]

DESCRIPTION	VEHICLE BIOSECURITY INFORMATION
Vehicle wash stations are located away from animal production areas	□ Yes □ No
Vehicle wash stations are monitored to ensure supplies needed (e.g., water, detergent, disinfectant) are available at all times	 □ Yes □ No [If yes, select the frequency of monitoring.] □ Twice daily □ Daily □ Weekly □ Other (describe here)
Hauling tanks are cleaned, disinfected, and thoroughly dried between uses	☐ Yes ☐ No ☐ Not applicable [If yes, describe the disinfection protocol, including disinfectant product and concentration used, or attach the protocol to the end of this plan.]

AQUACULTURE FACILITIES

DESCRIPTION	AQUACULTURE FACILITIES BIOSECURITY INFORMATION
Animal waste products (e.g., feces, uneaten feed) are removed regularly to prevent disease spread	☐ Yes ☐ No [If yes, describe the waste management protocol used, including where the material should be disposed of, or attach the protocol to the end of this plan.]
Tank covers, barriers, or distancing between production units are used to minimize aerosol transmission	 ☐ Yes ☐ No [If yes, select options used.] ☐ Tank covers ☐ Barriers between tanks ☐ Distancing ☐ Other (describe here)

DESCRIPTION	AQUACULTURE FACILITIES BIOSECURITY INFORMATION
Production units are cleaned, disinfected, and thoroughly dried between lots/units of animals	☐ Yes ☐ No [If yes, describe the disinfection protocol, including disinfectant product and concentration used, or attach the protocol to the end of this plan.]
All tank parts (e.g., inflow and outflow pipes, aerators, spray bars, etc.) are cleaned and disinfected between lots/units of animals	☐ Yes ☐ No [If yes, describe the disinfection protocol, including disinfectant product and concentration used, or attach the protocol to the end of this plan]
Piping systems are periodically cleaned	☐ Yes ☐ No [If yes, describe the protocol, including cleaning products used, or attach the protocol to the end of this plan.]
The use of porous materials and surfaces (e.g., wood, concrete) is avoided as much as possible	□ Yes □ No
If porous materials must be used, they are painted or sealed before use	□ Yes □ No

EQUIPMENT

DESCRIPTION	AQUACULTURE FACILITIES BIOSECURITY INFORMATION
Any equipment in contact with aquatic animals is cleaned and disinfected before use elsewhere on the farm or with different groups of animals	☐ Yes ☐ No [If yes, describe the disinfection protocol, including disinfectant product and concentration used, or attach the protocol to the end of this plan]

DESCRIPTION	AQUACULTURE FACILITIES BIOSECURITY INFORMATION		
Equipment (e.g., nets, hoses) used in animal areas is kept off the floor	□ Yes □ No		
Dip tanks are placed in convenient locations throughout animal areas	□ Yes □ No		
Dip tank solutions are prepared appropriately	☐ Yes ☐ No [List the disinfectant product and concentration used.]		
Dip tank solutions are changed regularly	☐ Yes ☐ No [If yes, list the frequency of solution changes, or attach the protocol to the end of this plan.]		
Dedicated equipment is assigned to or used within a specific production unit or area	□ Yes □ No		
Filter beds or mechanical filters are backwashed frequently to reduce buildup or pathogen introduction	☐ Yes ☐ No ☐ Not applicable [If yes, describe the frequency of backwashing.]		

FOOTWEAR (E.G., BOOTS, WADERS)

DESCRIPTION	FOOTWEAR BIOSECURITY INFORMATION
Footwear cleaning locations are placed near the entry/exit points of animal areas	□ Yes □ No
Footwear is cleaned and disinfected before and after leaving animal areas	☐ Yes ☐ No [If yes, describe the disinfection protocol, including disinfectant product and concentration used, or attach the protocol to the end of this plan.]

DESCRIPTION	FOOTWEAR BIOSECURITY INFORMATION		
Footbath solutions are prepared appropriately		□ No ectant product and concentration used.]	
Footbath solutions are maintained appropriately (e.g., changed daily or when visibly soiled)	[If yes, list the	□ No frequency of solution changes, or attach the end of this plan.]	
Footbath solutions are kept out of the sunlight to avoid deactivation	□ Yes	□ No	
Employees have been trained on appropriate/effective footbath use (e.g., remove debris, ensure full contact time with solution)	□ Yes	□ No	

CLEANING AND DISINFECTION

DESCRIPTION	DISINFECTION USE AND PROTOCOLS
Disinfectant products are regularly used on the farm/ranch	[List products, dilutions, and contact times used here.]
A cleaning and disinfection protocol has been developed for vehicles entering or used on the farm	□ Yes □ No
A cleaning and disinfection protocol has been developed for equipment entering or used on the farm	□ Yes □ No

DESCRIPTION	DISINFECTION USE AND PROTOCOLS		
A cleaning and disinfection protocol has been developed for production units or areas	□ Yes	□ No	
A cleaning and disinfection log is maintained for all areas of the farm	□ Yes	□ No	
Objects/equipment are thoroughly cleaned (visible debris removed) before disinfectant is applied	□ Yes	□ No	
Disinfectants are used according to the product label (mixing, concentration, rinsing, storage, etc.)	□ Yes	□ No	
Disinfectants are allowed to "sit" and work for the proper contact time	□ Yes	□ No	
Rinsing or neutralization (e.g., chlorine products) of disinfectant products is performed when applicable (e.g., according to the product label)	□ Yes	□ No	
All disinfectant runoff is kept away from animal areas, drinking water, waterways, and other sensitive areas.	□ Yes	□ No	
Disinfected items are allowed to completely dry before reuse or use at different locations	□ Yes	□ No	
SAFETY: All disinfectant product labels are read by personnel preparing solutions	□ Yes	□ No	
SAFETY: All personnel using disinfectant products wear protective gear as recommended by the product label (e.g., goggles, masks, gloves)	□ Yes	□ No	

FEED

GENERAL FEED BIOSECURITY (ALL TYPES OF FEED)

DESCRIPTION	FARM FEED INFORMATION
All feed is obtained from reputable suppliers	☐ Yes ☐ No [List all feed suppliers.]
Records are kept for all feed used on the farm (e.g., source, date received, lot numbers, expiration dates, etc.)	☐ Yes ☐ No [List the location where records are kept.]
All feed is stored according to manufacturer or supplier recommendations	☐ Yes ☐ No [List the location of feed storage areas and label them on your farm map.]
Any equipment used to handle or move feed is cleaned and disinfected before use or dedicated solely for feed use only	□ Yes □ No
Feed delivery equipment is periodically cleaned to reduce buildup	☐ Yes ☐ No [If yes, list the frequency and process for delivery equipment cleaning, or attach the protocol to the end of this plan.]
Employees wash their hands before and after handling feed	□ Yes □ No

LIVE OR AQUATIC ANIMAL-BASED FEEDS

DESCRIPTION	LIVE FEED BIOSECURITY INFORMATION		
Live feed sources are obtained from vendors with biosecurity measures at their facility	☐ Yes [List any vend	□ No dor names and	☐ Not applicable contact information.]
Live feed sources are tested (when applicable) and confirmed free from pathogens of concern	□ Yes	□ No	□ Not applicable
Frozen or semi-processed feed is purchased as fresh as possible	□ Yes	□ No	☐ Not applicable
Frozen or semi-processed feed is stored properly	- ,	☐ No be where and h e end of this pla	☐ Not applicable now feed is stored, or attach the an.]
Live feed culture containers are regularly disinfected			☐ Not applicable ion protocol, including disinfectant sed, or attach the protocol to the end

PROCESSED FEEDS

DESCRIPTION	PROCESSED FEEDS BIOSECURITY INFORMATION
Processed feeds are stored according to manufacturer recommendations (e.g., cool, dry place, sealed containers)	☐ Yes ☐ No ☐ Not applicable [If yes, describe where and how feed is stored, or attach the protocol to the end of this plan.]

DESCRIPTION	PROCESSED FEEDS BIOSECURITY INFORMATION		
Processed feeds are used before the expiration date	□ Yes	□ No	☐ Not applicable
Processed feeds are checked often for mold, deterioration, or contamination	☐ Yes [If yes, descri	☐ No be the frequenc	☐ Not applicable cy that feed is checked.]
Feed is kept in a manner that prevents access by vermin or pests (e.g., rodents, birds, insects)		☐ No be measures u e end of this pla	☐ Not applicable sed to prevent access, or attach the an.]
Any feed spilled in storage areas or around production areas is cleaned up immediately	□ Yes	□ No	□ Not applicable

VECTORS: PEOPLE ON THE FARM

CONTROL, LIMIT, OR RESTRICT ACCESS TO ANIMAL AREA

DESCRIPTION	BIOSECURITY FOR VISITORS ON THE FARM		
Are visitors allowed on the farm?	□ Yes	□ No	
The number of entry points to the farm for visitors is limited	□ Yes	□ No	□ Not applicable
A designated parking area away from animal areas is provided for visitors	☐ Yes [If yes, mark t	☐ No he location on y	□ Not applicable your farm map.]
Visitors are required to check in with farm personnel upon arrival	□ Yes	□ No	☐ Not applicable
Records are kept for any visitors entering the farm	☐ Yes [If yes, list the	☐ No location of the	☐ Not applicable farm visitor log sheet.]
Areas off-limits to visitors are clearly marked with signs, fencing, or other indicators	☐ Yes [If yes, list any	□ No / farm areas tha	□ Not applicable at are off-limits to visitors.]
Signs posted are provided in languages understood by those visiting the farm	□ Yes	□ No	□ Not applicable

PEOPLE ALLOWED ACCESS TO ANIMAL AREAS

DESCRIPTION	BIOSECURITY FOR PEOPLE WITH ACCESS TO ANIMALS
The farm has a designated biosecurity manager	☐ Yes ☐ No [If yes, list the biosecurity manager's name and contact information.]
Animal contact is limited to animal caretakers/employees	□ Yes □ No

DESCRIPTION	BIOSECURITY	FOR PEOPLE WITH ACCESS TO ANIMALS
Anyone handling animals is required to wear clean clothing and footwear	□ Yes	□ No
Footbaths or farm-dedicated footwear are provided for employees or people accessing animal areas	□ Yes	□ No
Anyone handling animals washes their hands before and after access	□ Yes	□ No
Hand washing stations are available for those accessing animal areas	□ Yes	□ No
Signs encouraging hand washing before and after access to animal areas are posted	□ Yes	□ No
Employees are trained on the farm biosecurity plan and procedures	☐ Monthly ☐ Quarterly ☐ Biannually ☐ Annually ☐ Other (desc	□ No the option for how often employees are trained.] cribe here)
Employees understand their responsibility for implementing the biosecurity plan, including monitoring, questioning, or preventing visitor entrance to the farm or animal areas when needed	□ Yes	□ No
Employees manage production units so that the most susceptible classes (e.g., larvae, then juveniles, then broodstock) are cared for first	□ Yes	□ No
Employees care for animals in quarantine or isolation last (i.e., after all other farm stock)	□ Yes	□ No

VECTORS: WILDLIFE, PESTS, AND OTHER ANIMALS

DESCRIPTION	ANIMAL VECTOR INFORMATION
Potential vectors for the farm and geographical area include:	[List potential vectors to aquatic animals on your farm.]
Vector activity is monitored in feed or production areas	 ☐ Yes ☐ No [If yes, select the option for how monitoring is done.] ☐ Daily ☐ Weekly ☐ Monthly ☐ Other (describe here)
The farm has a vector management and control plan to manage predators, scavengers, and pest species, such as rodents and birds.	☐ Yes ☐ No [If yes, describe the vector control plan, attach any protocols at the end of this plan.]
The plan includes integrated pest management (IPM) procedures	☐ Yes ☐ No [If yes, describe the IPM plan or procedures used, attach any protocols at the end of this plan.]
Barriers are installed to prevent entry and access by wild animals and birds	 ☐ Yes ☐ No ☐ Not applicable (Mark all that apply) ☐ Netting ☐ Fences ☐ Shade cloth ☐ Underwater screens ☐ Other barriers used:
Barriers are maintained and kept in good repair	□ Yes □ No

DESCRIPTION	ANIMAL VECTOR INFORMATION
Bird and rodent nesting are prevented by:	[List preventive measures like screens, bird spikes, etc.]
Outdoor containment units are periodically cleaned to reduce potential vectors (e.g., amphibians, aquatic reptiles)	 ☐ Yes ☐ No ☐ Not applicable [If yes, select the option for how monitoring is done.] ☐ Monthly ☐ Quarterly ☐ Biannually ☐ Annually ☐ Other
Parasite control measures are used on the farm	☐ Yes ☐ No ☐ Not applicable [If yes, describe parasite control measures used on the farm, or attach the protocol to the end of this plan.]
Feed is kept in secure, enclosed areas or containers to prevent access by wild animals and birds	□ Yes □ No
Trash is removed frequently to reduce the attraction of wildlife vectors:	☐ Yes ☐ No [If yes, describe how often trash is removed.]
Rodent/pest bait use is performed by farm personnel, according to label directions	☐ Yes ☐ No [If yes, list bait products used.]
The farm uses a pest control company to manage vectors	☐ Yes ☐ No [If yes, list the company or individual's name and contact information.]

DESCRIPTION	ANIMAL VECTOR INFORMATION
The farm works with a USDA APHIS Wildlife Services, county extension agents, and/or state agencies to determine best practices for vector or predator control	☐ Yes ☐ No [If yes, list the office or contact name, email, and phone number.]
Dogs, cats, and other domestic animals are prevented from entering aquatic animal production areas	□ Yes □ No

ADDITIONAL FARM BIOSECURITY INFORMATION

DESCRIPTION	ADDITIONAL FARM BIOSECURITY INFORMATION

Remember to attach your labeled map of your farm or hatchery to this biosecurity plan.