

BIOSECURITY TEAM GUIDE

QUALIFICATIONS

All Biosecurity Staff should be trained in:

- Personal safety and first aid.
- The use of appropriate personal equipment and procedures.
- Procedures to properly locate, recognize and clean and disinfect (C+D) contaminated personnel, vehicles, equipment and materials.
- Record keeping and certification procedures.
- Basic disease biology and epidemiology.
- The public information and communications protocol.

Biosecurity Inspectors should *also*:

- Be trained and certified in the biosecurity protocol and proper use of equipment.
- Be qualified to oversee the cleaning and disinfecting of all vehicles and facilities.
- Be qualified to oversee the inspection of all agricultural products moving out of quarantine zones.
- Be able to train other personnel and oversee personal biosecurity.
- Have the authority to detain any contaminated materials or equipment.
- Have a method of record keeping and certification of C+D inspection.
- Be able to inspect all personnel, vehicles, equipment and material before and after C+D.

RESPONSIBILITIES

- To clean and disinfect (C+D), first remove all organic material by power washing, steam, or manual methods.
- Use only appropriate, EPA-approved disinfectants or pesticides. (See Appendix.) For example, agents that destroy FMD virus include:
 - Acids (e.g. as acetic acid)
 - Alkalis (e.g. sodium hydroxide, sodium carbonate)
- Apply disinfectants or pesticides only in accordance with labels.
- All premises must be allowed appropriate periods for drying and left empty for the prescribed periods before repopulation by animals or humans and before reinstallation and operation of equipment.

EQUIPMENT

The following equipment is recommended to outfit personnel and check points in order to clean and disinfect personnel, vehicles, equipment, and facilities on farms and at quarantine check points. The list should be adapted to operation-specific objectives, risks, and resources.

Personal Protective Equipment (PPE) and Biosecurity:

- Tyvec coveralls with hoods (all sizes)
- Disposable coveralls (all sizes)
- Latex gloves (all sizes)
- Cloth Gloves (all sizes)
- Rubber gloves (all sizes)
- Rubber boots (all sizes)
- Disposable boot covers
- Disposable hair bonnets
- Disposable face masks (N95)
- Face shields
- Protective eyewear-goggles
- Half Face Respirators with high grade filters
- Full face respirators with high grade filters
- Duct tape
- Cloth tape 1" and 2"
- Baby wipes
- Paper towels
- Disinfectant Hand soap
- Finger brushes
- Change of clothes- disposable garments
- Disinfectant for boots and outer wear
- Lysol spray
- Foot Baths, Large and Small
- Short Handle Brushes
- Boot Brushes
- Hoof picks – boot picks
- Buckets for C+D
- 32 gallon rubber trash can with lid
- Kiddy pools for C+D waste water containment
- Fresh water containers-5 gallon
- Hand held pump sprayers for C+D of outer wear
- Biohazard bags for waste and clothes
- Rags and towels
- Tents or huts for dressing (heated)
- Rest rooms
- First aid kits equipped specifically for contaminations
- Tool Kit as needed
- Bandage Scissors

Cleaning and Disinfecting (C+D) Vehicles, Equipment, or Facilities:

- Water buffalo and trucks
- Disinfectant mats and ground tarps
- Vehicle racks and ramps
- Lighting
- Flashlights
- Shovels
- Brooms
- Tire picks
- Wire hand brushes
- Short handle Brushes
- Long handle brushes
- Rags and towels
- Tools
- Screwdrivers
- Hammers
- Putty knives
- Scrapers
- Hoses
- Pressure washers
- Steam washers
- Portable Generators
- Tents - heated
- Storage units
- Wet and dry vacuums
- Waste barrels
- Dumpster for waste
- Biohazard bags
- 3-4 Mil Contractors Bags
- Duct tape
- Disinfectant supply
- 50 gallon drums for mixing cleaning solutions
- Extension cords
- Power Strips