

SAFE MApp Tutorial 2 Video Transcript: The Biosecurity and Safety Map Type

Safe Map was designed to be a flexible mapping tool useful for illustrating daily or enhanced biosecurity features. The biosecurity and safety map type can be used to create either a secure food supply plan map, or a daily biosecurity and safety farm map. A farm safety or daily biosecurity map can easily be converted into an enhanced biosecurity map, displaying any secure food supply feature.

Because these features are always available, caution should be taken to not clutter a single map with too many features, which may overlap and be difficult to see in the printed version.

Use Safe Map to create secure food supply plan maps for beef, dairy, pigs, poultry, or small ruminants.

A map can be created for a single species or for multiple species at the same time. Map creators should consult the appropriate secure food supply guidance and their state animal health officials for guidance on what to include in an enhanced biosecurity plan and what should be reflected in the accompanying map. This tool was developed to make the process of creating an enhanced biosecurity map easier.

A map creator can place any feature available in the Secure Food Supply Plan set, and the broader range of icons to support marking critical infrastructure hazards and safety equipment.

Use Safe Map to create maps to share with local first responders, or to use when onboarding new employees to help them be safe and also be ready to respond in an emergency incident.

Now two use cases will be covered to demonstrate how to use the biosecurity and safety map type.

A beef producer must create a secure beef supply plan map. The producer is working with their veterinarian to prepare a plan for a beef operation. The plan must include a map of where enhanced biosecurity features will be in place, and practice to prevent a foreign animal disease outbreak from infecting the herd.

The map would include features such as:

- A line of separation around areas where animals are housed and fed.
- Two or more uniquely named line of separation access points that indicate personnel cleaning and disinfection, and other protective measures that will be used before entering animal housing, feedlots and pastures.
- Vehicle cleaning and disinfection station locations outside of the line of separation.
- Designated parking area outside of the Line of Separation.
- The specific route for vehicles that are allowed to enter the farm.

- A carcass disposal area and the pathway to it if animals will need to be buried or composted on the farm.
- Delivery and supply drop off points that are outside of the line of separation.
- The location of public roads around the farm.
- Labels that name all of the barns and outbuildings on the farm.

This map contains the basic required features for a secure beef supply plan.

Other enhanced biosecurity and safety features could be added, such as location of a trash dumpster, a manure lagoon, a first aid/AED/wash station. To avoid cluttering the map with many features, create a new map based on the first one before adding more details.

The second use case is a producer raising chickens and goats who wants to map the location of animals, flammables, chemicals and utility shut offs and share the map with first responders to facilitate response in the event of a fire or natural disaster.

The map could include the following features:

- The site entries to the farm that can be used during an emergency.
- Animal icons that locate where the chickens and goats are housed.
- Access points that indicate daily cleaning and disinfection stations at each location where animals are housed and fed.
- On-farm vehicle pathways.
- An outline of the manure composting location using the app's manure storage feature.
- On-farm carcass burial, or animal composting operations.
- Shutoffs for gas, power, and water.
- A dry hydrant and wellhead locations.
- Locations for chemical storage and flammables.
- Warning for animals that might be considered dangerous, such as a guard dog or warning for other dangerous conditions.

Use our features tip sheet as a guide for creating a secure food supply plan map, or a biosecurity and safety farm map with checkmarks to recommend for secure food supply plans. This document can be downloaded from the SAFE MApp website. Click on the link and download the tip sheet - <https://safemapp.org/tutorials/>.