

MAFF

Request for Cooperation in Preventing Entry of Livestock Infectious Disease



Outbreaks of **African Swine Fever** and **Foot-and-Mouth Disease** are a major problem world-wide.

These diseases spread via **meat products, clothes and shoes**.

There is a risk of these diseases **threatening the stable supply of livestock products** once they enter Japan.

Your cooperation is essential in preventing them from entering Japan.

01

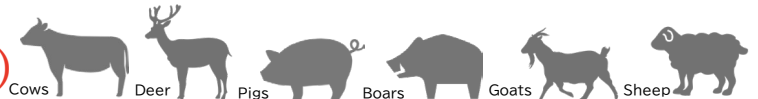
What is African Swine Fever and Foot-and-Mouth disease

African Swine Fever (ASF)



- Characteristics**
- Mortality rate of almost 100% (in peracute or acute type)
 - The virus can survive in the environment for a long period of time (for more than **1000 days** if frozen)
 - It can survive under a pH of 4 to 11, in blood, feces, pork and pork products such as ham
- Prevention & Cure**
- There is no cure or preventative measures. There is no available vaccine.
- Impact**
- In China, 40% of the pork population decreased owing to death/culling, and the price of pork increased by more than double (2019)

Foot-and-Mouth Disease (FMD)



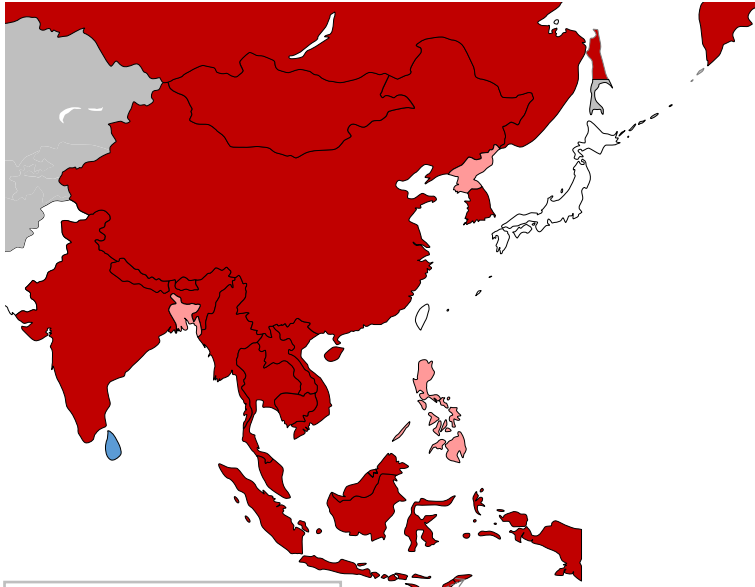
- Characteristics**
- The value of livestock declines significantly owing to eating disorders caused by pain of blisters formed around the mouth and hoof
 - Infectivity of this virus is extremely strong
 - Airborne disease (There has been a case where it had traveled more than **60km** by wind.)
 - Average viral load a pig excretes in a day can infect a maximum of **10 million cows**
- Prevention & Cure**
- No effective cure. There is a vaccine, but it can't prevent livestock from being infected
- Impact**
- In Japan, 300,000 cows/pigs were culled, which caused damage worth a total of 235 billion yen.
(Estimates for outbreak in Miyazaki prefecture, 2010. Including related industries)

※ There is **no risk** of either disease infecting humans *

* Some extremely rare cases of a human that had very close contact with the FMD virus being infected have been reported, but there is no risk of the virus infecting humans with a normal amount of contact with the virus. In case of infection, there will be slight fever and canker sores, but you will recover quickly with no death cases reported.

02 Disease Outbreaks in Asia

- ASF has spread **all around Asia** after entering China in 2018.
 - FMD has **occurred continuously in many countries**.
 - **Only limited countries/areas such as Japan and Taiwan are free of both diseases***.
- * There has been an outbreak of FMD in Japan and Taiwan, but those two countries have regained disease-free status.



■ : Country/Area with ASF/FMD outbreak
■ : Country/Area with only ASF outbreak
■ : Country/Area with only FMD outbreak
 : Country/Area with neither outbreak

As of January 10, 2024
 Reference: WOA, website of each country, etc.
 * 1: Outbreaks in this map are the ones reported to WOA
 * 2: Year of its first outbreak is the year reported to WOA
 * 3: Data in FMD table is that of after 2021, and numbers in brackets are the number of outbreaks

Each Year of First ASF Outbreak

Countries/Areas	Year
China	2018
Hong Kong, Mongolia, North Korea, South Korea, Viet Nam, Laos, Cambodia, Philippines, Myanmar, Indonesia, East Timor	2019
India	2020
Malaysia, Thai, Bhutan	2021
Nepal	2022
Singapore, Bangladesh	2023

Countries/Areas with FMD Outbreak

Countries/Areas	Year
China (2), Russia (1), Viet Nam (28) Cambodia (41), Malaysia (21), Thai (47) India (105), Bhutan (24), Nepal (40) Mongolia (102), Sri Lanka (36)	2021
China (1), Cambodia (24), Thai (108) Malaysia (28), Indonesia (unclear) India (103), Bhutan (3), Nepal (66) Mongolia (3), Sri Lanka (57)	2022
China (4), Korea (11), Nepal (15) Cambodia (3), Malaysia (7) Indonesia (unclear)	2023

* There might be a case where the outbreak status and the number of outbreaks do not match because of the poor inspection system or difficulty in spotting an outbreak because of vaccines

03 What to do to prevent entry of viruses

1 Refrain from bringing food containing meat into Japan

- Animals get infected when **they eat contaminated meat**
- We have found **live ASF virus** from meats illegally brought into Japan.

Carry-on prohibited



2 Refrain from throwing away food containing meat in the open

- **Leftovers and trash** from a lunchbox or barbeque can be infectious
- A boar got infected just by **licking a tray that stored ASF infected meat**
- ASF pandemic has occurred **in wild boars overseas**, having trouble eradicating it

Leaving outdoors prohibited



3 Refrain from getting close to animals for a week after entry

- **Virus attached to clothes and shoes** is infectious as well

