

# **African Swine Fever Cross Border Risk Assessment-South East Asia**

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# Trade of live pigs

Country of origin	Total no. ASF outbreaks reported in this country (possible source: OIE WAHIS or FAO EMPRES-i)	Annual no. imported pigs from this country	Way of transportation [multiple choice]	Comments, sources and references
Thailand	No	-	<input type="checkbox"/> Aerial <input checked="" type="checkbox"/> Terrestrial <input type="checkbox"/> Sea	Data from LBVD
Netherlands	No	-	<input checked="" type="checkbox"/> Aerial <input type="checkbox"/> Terrestrial <input type="checkbox"/> Sea	Data from LBVD
Canada	No	-	<input checked="" type="checkbox"/> Aerial <input type="checkbox"/> Terrestrial <input type="checkbox"/> Sea	Data from LBVD

- Some of the traders **covey the live pigs illegally** across the country for the commercial purposes. During 2020, nearly 180 live pigs were catch up in 3 State/ Division (Mon State, Shan (South) State& Mandalay Division). (LBVD Data)

# Legal trade in swine products/by products

Pig product	Type of product	Country of origin	Total no. ASF outbreaks reported in this country (possible source: OIE WAHIS or FAO EMPRES-i)	Annual no. imported pig products from this country	Way of transportation [multiple choice]	Testing at the border for ASF	% tested for ASF	Laboratory test	Comments, sources and references
	<input type="checkbox"/> Animal consumption <input checked="" type="checkbox"/> Human consumption <input type="checkbox"/> Genetic product <input type="checkbox"/> Other _____	Thailand	No		<input checked="" type="checkbox"/> Aerial <input checked="" type="checkbox"/> Terrestrial <input type="checkbox"/> Sea	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	-	Real -Time PCR	LBVD
	<input type="checkbox"/> Animal consumption <input checked="" type="checkbox"/> Human consumption <input type="checkbox"/> Genetic product <input type="checkbox"/> Other _____	Singapore	No		<input checked="" type="checkbox"/> Aerial <input type="checkbox"/> Terrestrial <input type="checkbox"/> Sea	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	-	Real -Time PCR	LBVD
	<input type="checkbox"/> Animal consumption <input checked="" type="checkbox"/> Human consumption <input type="checkbox"/> Genetic product <input type="checkbox"/> Other _____	USA	No		<input checked="" type="checkbox"/> Aerial <input type="checkbox"/> Terrestrial <input checked="" type="checkbox"/> Sea	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	-	Real -Time PCR	LBVD
	<input type="checkbox"/> Animal consumption <input checked="" type="checkbox"/> Human consumption <input type="checkbox"/> Genetic product <input type="checkbox"/> Other _____	Spain	No		<input checked="" type="checkbox"/> Aerial <input type="checkbox"/> Terrestrial <input type="checkbox"/> Sea	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	-	Real -Time PCR	LBVD
	<input type="checkbox"/> Animal consumption <input checked="" type="checkbox"/> Human consumption <input type="checkbox"/> Genetic product <input type="checkbox"/> Other _____	Japan	No		<input checked="" type="checkbox"/> Aerial <input type="checkbox"/> Terrestrial <input type="checkbox"/> Sea	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	-	Real -Time PCR	LBVD
	<input type="checkbox"/> Animal consumption <input checked="" type="checkbox"/> Human consumption <input type="checkbox"/> Genetic product <input type="checkbox"/> Other _____	Italy	No		<input checked="" type="checkbox"/> Aerial <input type="checkbox"/> Terrestrial <input type="checkbox"/> Sea	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	-	Real -Time PCR	LBVD

# Illegal trade in swine products/by products

Steps in Pathway	Indicators/ variable that we need to estimate likelihood	Source of collected data
Conveying the pig by products from ASF infected countries by travellers	<p>Many travellers from 100 countries are coming to Myanmar by crossing Border.</p> <p>Among them, China (approximately 8000 peoples), Thailand (approximately 3800 peoples) Korea (3400 peoples) are entering to Myanmar per month based on the 2020 data.</p> <p>The average number of travellers those entering to Myanmar per year is nearly 11000 peoples from different countries.</p>	Department of Immigration, Myanmar
Conveying pig products across the country	Based on the 2020 data, nearly 2000 kg of illegal frozen pork were catch up in 2 States (Kayin & Mon).	LBVD, Myanmar
Border Check (including Airport)	<p>The quarantine labs (Muse) located in the northern Shan State, very near to china border and Myawady Check Points located very near to Thailand border check the samples when the illegal products were catch up.</p> <p>The Quarantine Staffs catch up the illegal pig products (approximately 360 kg) that were carried by travellers at the airport. The samples were transported to national reference labs and test for the ASF positive or negative.</p>	LBVD, Myanmar

# Human activities and fomites

Country with terrestrial border	Density of pig farm in this country before border	Density of wildboar farm in this country before border	How many vehicles cross the border per week?	Are vehicles disinfected at the border	Description of the disinfection
Thailand	-	-	-	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, before <input checked="" type="checkbox"/> Yes, after	Disinfection of the vehicles has to do at the border gates before entering to country. (LBVD)
China	-	-	-	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, before <input checked="" type="checkbox"/> Yes, after	LBVD
Laos	-	-	-	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, before <input checked="" type="checkbox"/> Yes, after	LBVD
Bangladesh	-	-	-	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, before <input checked="" type="checkbox"/> Yes, after	LBVD
India	-	-	-	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, before <input checked="" type="checkbox"/> Yes, after	LBVD

# Trade of wildboar and wildboar products

Products	Description	Source of Data Collected
Live Wildboars	There are no trade and no importation of live wildboars across the country. Most of the people are hunting wildboars for bushmeat.	Need more data to be confirmed
Wildboar Products	No illegal importation of wildboars product to Myanmar. There are local markets in some regions whereas the wildboars products are selling for the purpose of traditional hats, and local consumption. (Kachin State, Myitkyina Township and Shan State, Tachelaik, Kyaington & Mong La Township)	Wildlife and Ecosystem Action Nationwide (WECAN, Myanmar) Wildlife Conservation Society (WCS, Myanmar)



**Thank you so much for your  
kind attention...**

