



World Organisation
for Animal Health



中国动物疫病预防控制中心
China Animal Disease Control Center

MYANMAR

Myanmar's updates on the main diseases in domestic swine population

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The Sixth WOAHP Regional Training on Swine Disease
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Pig Population

- Pig population is broad
- 6.8 million pigs in 2021
- 7.41 million pigs in 2022-2023

Livestock Breeding by States and Regions 2022-2023 (April- March)		
Sr. No.	States and Regions	Pig No.
	Union	7408088
1	Kachin State	640959
2	Kayah State	105313
3	Kayin State	240931
4	Chin State	95980
5	Sagaing Region	920378
6	Taninthayi Region	121086
7	Bago Region	870649
8	Magway Region	406380
9	Mandalay Region	410882
10	Mon State	148381
11	Rakhine State	336760
12	Yagon Region	374963
13	Shan State	1308469
14	Ayeyawady Region	1262460
15	Nay Pyi Taw	164497



Disease Prevention and Control system

- A critical component of agricultural stability, food security, and rural livelihoods

Risk of main swine diseases introduction pathway

Pathway	ASF	CSF	PRRS	PED	
Illegal live-pig movement	Very high	High	High	High	
Legal live-pig import	High	High	High	High	
Raw pork products	Very high	High	Low	Low	
Swill feeding	Very high	High	Moderate	Moderate	
Vehicles/crates	High	High	High	High	
People/clothing/equipment	High	High	High	High	
Semen/genetic material	Low	Low	High	Low	
Wild/feral pigs	High	Moderate	Moderate	Low	



Disease Current importance in Myanmar

- ASF - major transboundary threat
- PRRS - important endemic production disease
- CSF - important differential diagnosis for ASF
- PCV2 - production disease
- PED - important, especially in piglets
- FMD - important transboundary livestock disease



12 ASF outbreaks from August 2019 to August 2023

- 8 outbreaks in Shan State ($8/12 = 66.6\%$)
- 2 outbreak in Sagaing Region ($2/12 = 16.66\%$)
- 1 outbreak in Kachin State ($1/12 = 8.33\%$)
- 1 outbreak in Kayah State ($1/12 = 8.33\%$)



1. Rapid detection and diagnosis (Suspected disease → notification → investigation → sample collection → laboratory PCR → confirmation → outbreak response)
2. Rapid response teams
3. Movement control
4. Culling and carcass disposal
5. Cleaning and Disinfection
6. Farm biosecurity (Farm → trader → transport → slaughterhouse)
7. Surveillance
8. Risk communication and farmer awareness
9. International cooperation



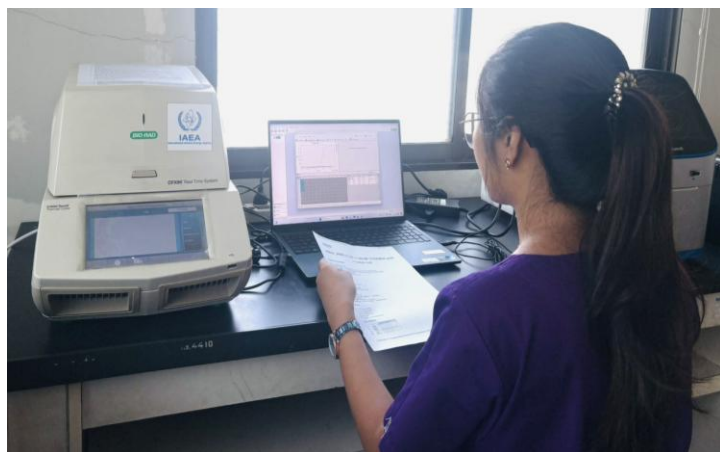
Laboratory capacity for main swine disease

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No.	Swine Diseases	Diagnostic test	
		ELISA	Molecular
1.	African Swine Fever (ASF)	√	√
2.	Porcine Respiratory and Reproductive Syndrome (PRRS)	√	√
3.	Classical Swine Fever (CSF)	√	√
4.	Porcine Circo Virus Type2 (PCV2)		√
5.	Porcine Epidemic Diarrhea (PED)		√
6.	Foot and Mouth Disease (FMD)	√	√



Participation in the Interlaboratory Comparison test 2025 organized by Animal Production and Health Laboratory of the joint FAO/IAEA Centre



Public awareness raising through media regarding the control of African swine fever





Challenge and possible solutions for control of main swine diseases ⁹

Challenges

- The ability of reference materials and diagnostic reagents
- Insufficient advanced technical expertise
- The conduction of awareness campaigns to increase the number of samples by the laboratory
- Illegal movement

Possible Solutions

- Supporting reference materials and diagnostic reagents
- Training for using advanced technology
- Farmer awareness
- Implementation policies to regulate and control illegal movement



- Collaboration with wider group of stakeholders to advance animal disease prevention and control activities.
- Supporting village-based animal health services by providing training to leader in animal health care and facilitating the administration of vaccine.



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Thank you!

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