



World Organisation
for Animal Health
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Lumpy skin disease (LSD)

An update on LSD situation and its control

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Fourth LSD Coordination Meeting for South-East Asia
28 – 29 November 2023, Bangkok, Thailand

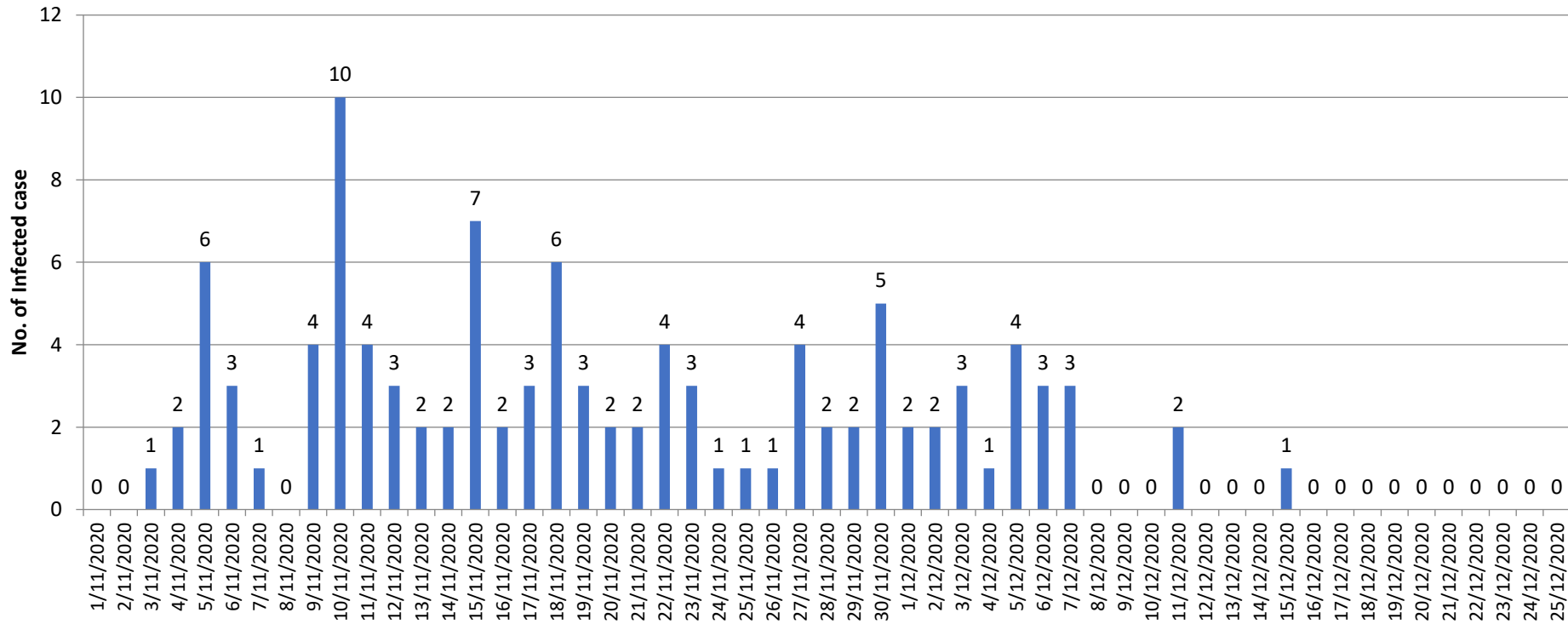
LSD Situation

- Total number of outbreaks reported = 2
- Date of first report = (9-11-2020)
- Date of report to WOAHA = (21-11-2020)
- Number of provinces/ States affected = 1
- Number/species of animals affected = 180/Cattle (No mortality)
- Circulating virus types = Myanmar LSDV sequences clustered with LSDV isolates from Bangladesh and India, LSDV Kenya, and LSDV NI-2490 (Confirmed by IAEA laboratories)
- Other important epidemiological features – LSD can have economic implications due to its impact on cattle health and trade restrictions imposed by affected countries to prevent the spread of disease



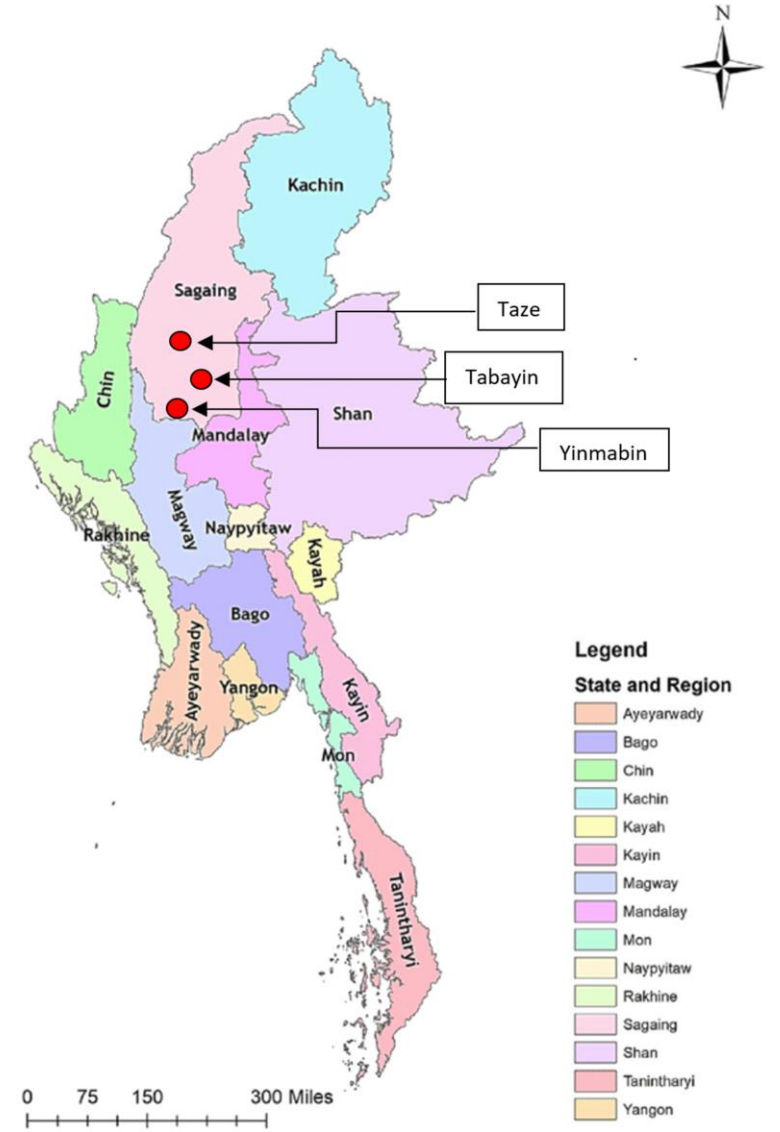
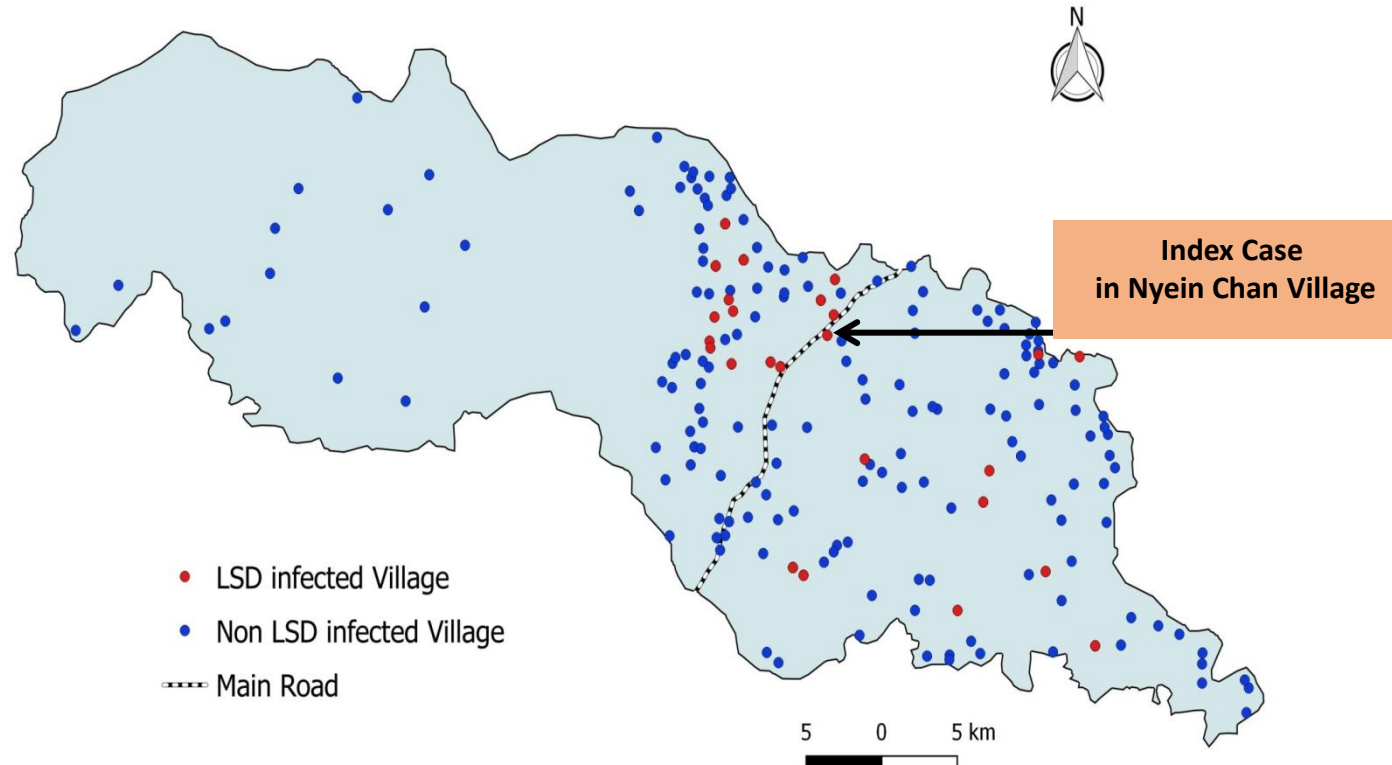
LSD Situation

Lumpy Skin Disease Outbreak in Tabayin Township



Morbidity= 3-6 %
Mortality= 0

LSD Situation

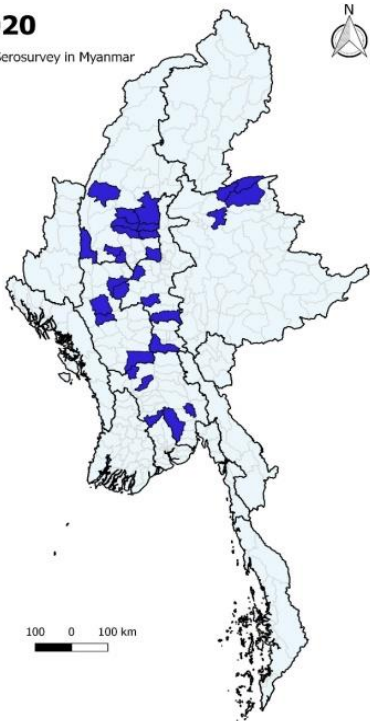


LSD Prevention and Control activities

- Vaccination - none
- Surveillance – post-outbreak surveillance and active surveillance

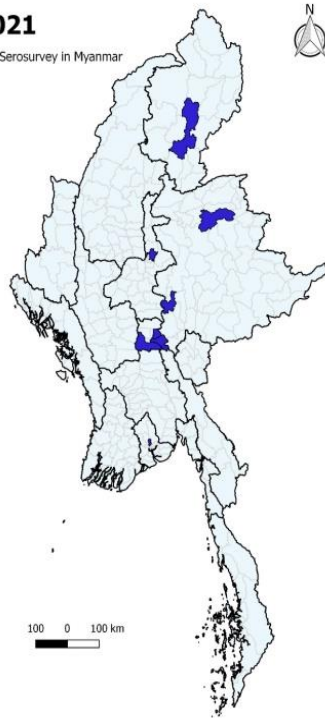
2020

LSD Serosurvey in Myanmar



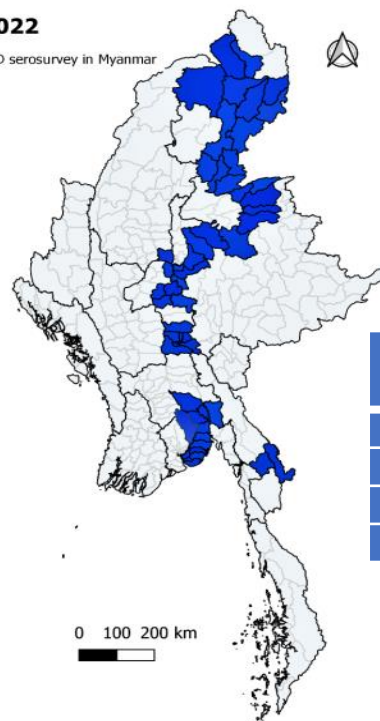
2021

LSD Serosurvey in Myanmar



2022

LSD serosurvey in Myanmar



| No | Year | No of Township | No of Sample | LSD Ab Positive | Remarks |
|----|--------------|----------------|--------------|-----------------|---------|
| 1. | 2020 | 32 | 2543 | 158 | 6.2% |
| 2. | 2021 | 12 | 668 | 27 | 4.0% |
| 3. | 2022 | 63 | 6435 | 168 | 2.6% |
| | Total | 107 | 9646 | 353 | |



LSD Prevention and Control activities

- Biosecurity - Good Animal Husbandry Practice (GAHP), zoning, cleaning, disinfection
- Movement control - certificate
- Vector control - fumigation, fly repellent, nylon net and health care
- Stamping out - none
- Legislation- On 30 July 2020, LSD was prescribed as a notifiable disease in accordance with the article no.33 sub article (b) and article no. (14) of the Animal Health and Livestock Development Law. Directive shall be issued in which the animal movement will be controlled by animal health certificate (AHD/PC-3)



LSD Prevention and Control activities

- Awareness and communication – public extension, dissemination of LSD pamphlets, advertisement in newspaper and TV channel, setting up poster at the public areas
- Laboratory capacity building – virus characterization (DNA sequencing) conducted by communication and collaboration with international organizations
- Collaboration with other stakeholders – disease information sharing and improved awareness



Main challenges and recommended solution

Main challenges

- Communal grazing and farming area
- Increased cattle movement due to trade
- Vector activities and control
- Rural farms operate poor biosecurity
- Illegal border movement of animals

Recommended solution

- Good Animal Husbandry Practices, promoting education on resource conservation
- Media announcement, public awareness
- Improved farm biosecurity, sanitation, cleaning and disinfection
- Disease knowledge and farmer awareness
- Control by legislation, continuous information dissemination to stakeholders





THANK YOU



4th LSD Coordination Meeting
28 – 29 November 2023, Bangkok, Thailand