



World Organisation
for Animal Health
Founded as OIE

Lumpy skin disease (LSD)

An update on LSD situation and its control

Country name: Malaysia

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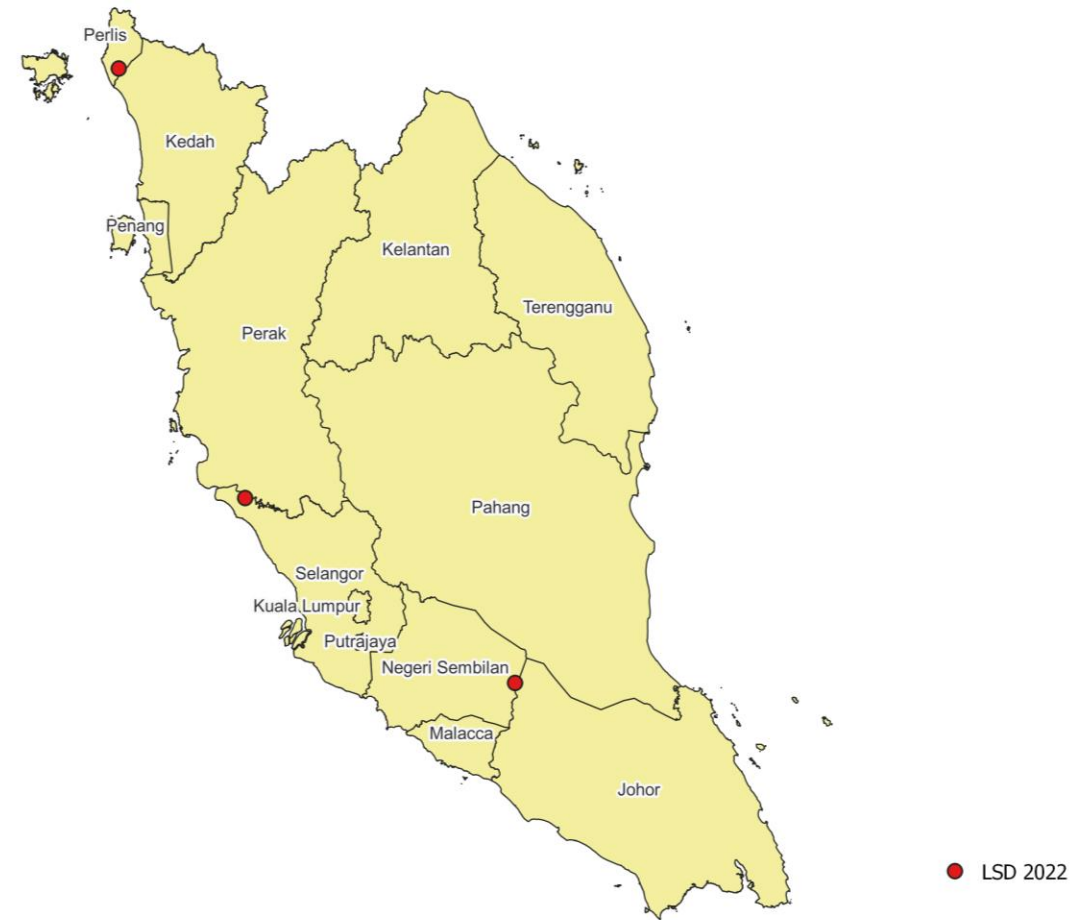
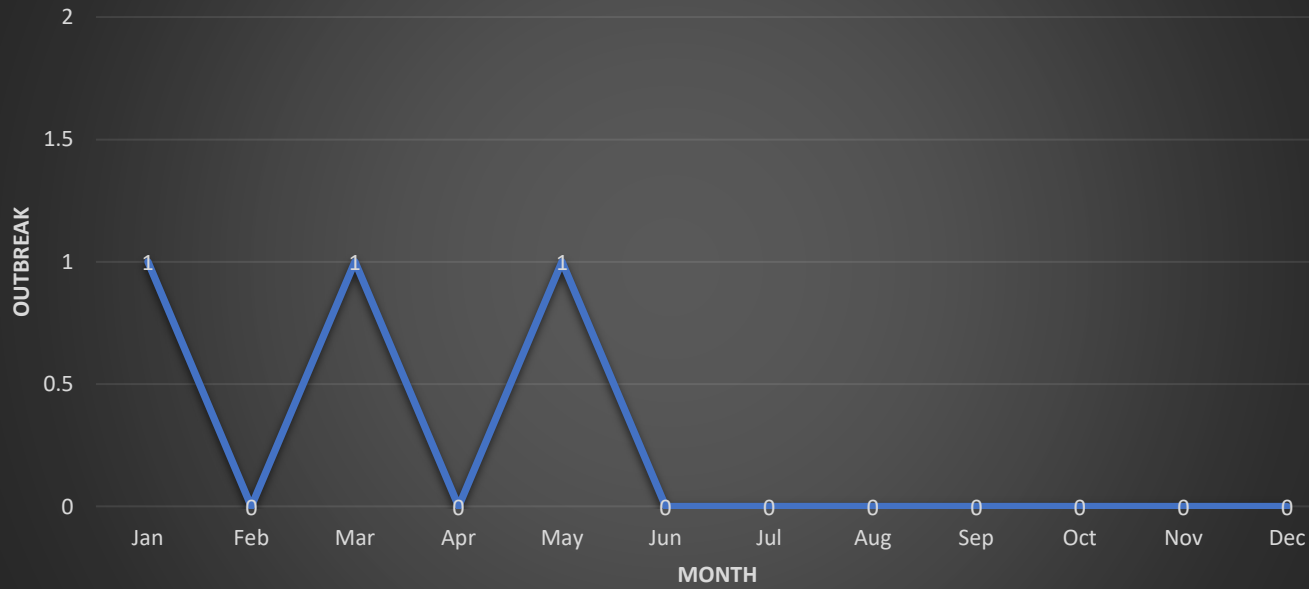
**Virtual LSD Update Meeting for South-East Asia
16 December 2022, 2.00 to 4.30 PM (Bangkok time)**

Outbreak Updates 2022

Date of first report	10 May 2021
Date of report to OIE	21 Jun 2021
Total Number of Province affected out of total province	3 / 94 districts (Peninsular Malaysia)
Number of death (Cattle/ Buffalo)	2 animal (slaughtered)
Virus type (confirmed by which Laboratory)	Lumpy Skin Disease Virus [Regional Veterinary Lab, Salak Tinggi]
Total number of outbreaks:	3
Total number of outbreaks resolved:	3
Ongoing outbreaks:	0

LSD Situation

LSD 2022



LSD Situation

Outbreak	State	No. animal affected	Species
1	Selangor	1	Bovine
1	Negeri Sembilan	1	Bovine
1	Perlis	1	Bovine

Control Measures - Vaccination

- Vaccine types used: Homologous, attenuated
- Source of vaccine: Turkiye, LSD-NDOLL
- Total doses imported : 60,525 doses
- Any local production of LSD vaccine : No
- Animal types vaccinated : Cattle and buffalo for both dairy and beef in total of 91,124 heads
- Vaccination (coverage, any outbreak in vaccinated animals, any adverse reaction): 45% vaccination coverage, no outbreak in vaccinated animals, neethling response was observed (minimal)

Control Measures – Others

- Surveillance
 - ✓ Clinical surveillance conducted
- Biosecurity
 - ✓ Thorough disinfection of personnel protective equipment (PPE), vehicles & vaccination tools
- Movement control
 - ✓ Revision on import protocols of infected countries
 - ✓ Strengthen control of illegal animal movement at international border with other agencies
 - ✓ Impose vaccination of susceptible animals before movement (inter-state, inter-districts)
- Stamping out
 - ✓ Strengthen culling effectiveness by improving compensation rate
- Legislation
 - ✓ Animal Act 1953 (rev. 2013) under Section 18 to 36. LSD is one of 121 notifiable diseases.
- Awareness and risk communication
 - ✓ Continuous and comprehensive public awareness campaign conducted - seminar, dissemination of information through social media such as FB, Instagram, poster, banner, pamphlets and direct communication to the farmers
 - ✓ Increase knowledge and awareness among stakeholder (traders and farmers) and extension staffs on economic impact of LSD

Main challenges and recommended solution

- Animal farming system – more than 85% is smallholder / backyard
- Illegal animal movement among traders
- Low cooperation among farmers in culling infected animals and vaccinating their animals (due to neethling response that will lower the price of animal & their perception that single vaccination is enough)
- Lack of awareness & knowledge on economic impact of LSD among farmers & extension staffs
- Short lifespan of vaccine – once opened

