

GF-TADs

GLOBAL FRAMEWORK FOR THE
PROGRESSIVE CONTROL OF
TRANSBOUNDARY ANIMAL DISEASES



Food and Agriculture
Organization of the
United Nations



**Standing Group of Experts on Lumpy Skin Disease
in South East Europe
under the GF-TADs umbrella**

SGE LSD9

Athens, 16-17 October 2019

**Report for [Turkey]
[Dr. Fahriye SARAÇ]**

Lumpy Skin Disease occurrence in 2019

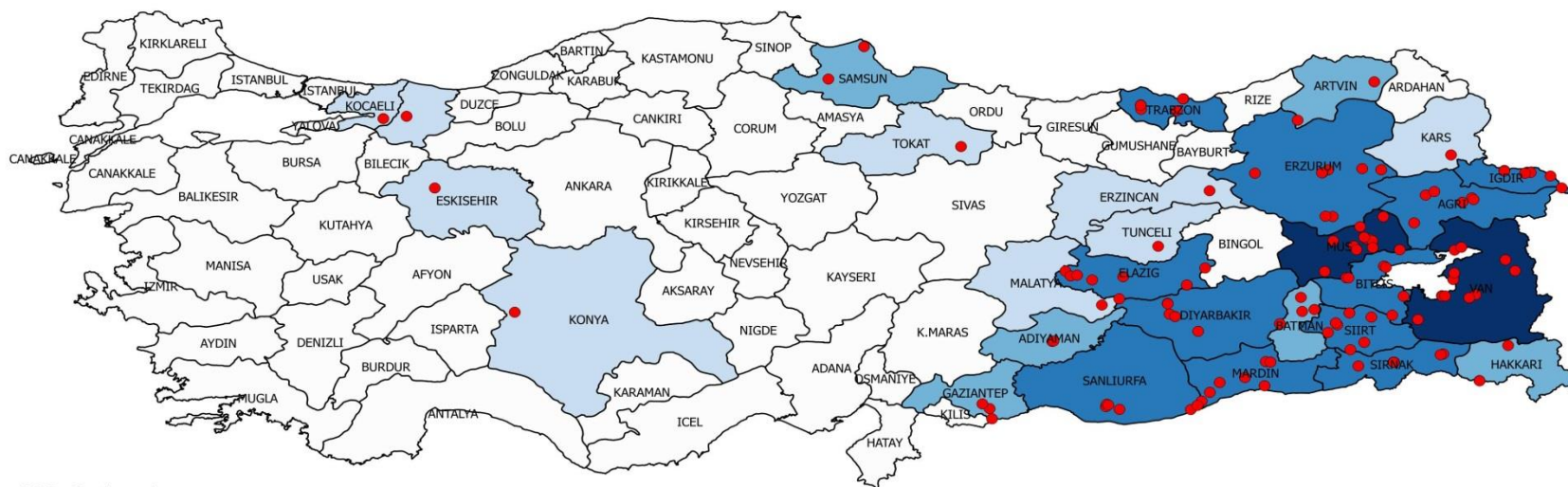
LSD outbreaks reported in 2019 <i>(From 01/01/2019 until --/--/2019)</i>			
Region	Number of outbreaks	Period of occurrence	
		From <i>(date of 1st outbreak)</i>	To <i>(date of latest outbreak)</i>
Thrace	0	-	-
Anatolia	131	04 January	09 October
TOTAL	131		



Lumpy Skin Disease occurrence in 2019

Map of LSD outbreaks in 2019

LSD Outbreaks in Turkey by October 2019



LSD Outbreaks

• points

Graduated

0.0 - 0.0

0.0 - 1.0

1.0 - 3.0

3.0 - 8.0

8.0 - 12.0

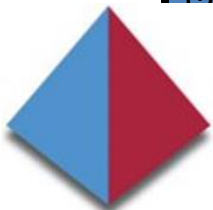
Total : 131 outbreaks , 173 slaughter



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Lumpy Skin Disease Vaccination in 2019

Type of vaccine used (<i>i.e. homologous/heterologous, if heterologous please provide dose per animal used</i>)	Heterolog vaccine Sheep and Goat Pox Bakırköy strain 5 doses
Number of doses used	15.659.718
Source of vaccines (<i>e.g. national purchase, EU vaccine bank, other</i>)	National purchase
Mode of vaccination (<i>mandatory / voluntary</i>)	Mandatory
Area of vaccination : (<i>e.g. whole country, ring vaccination around outbreaks, specific regions – explain if needed</i>)	Whole country
Comments – other info (<i>if any</i>)	

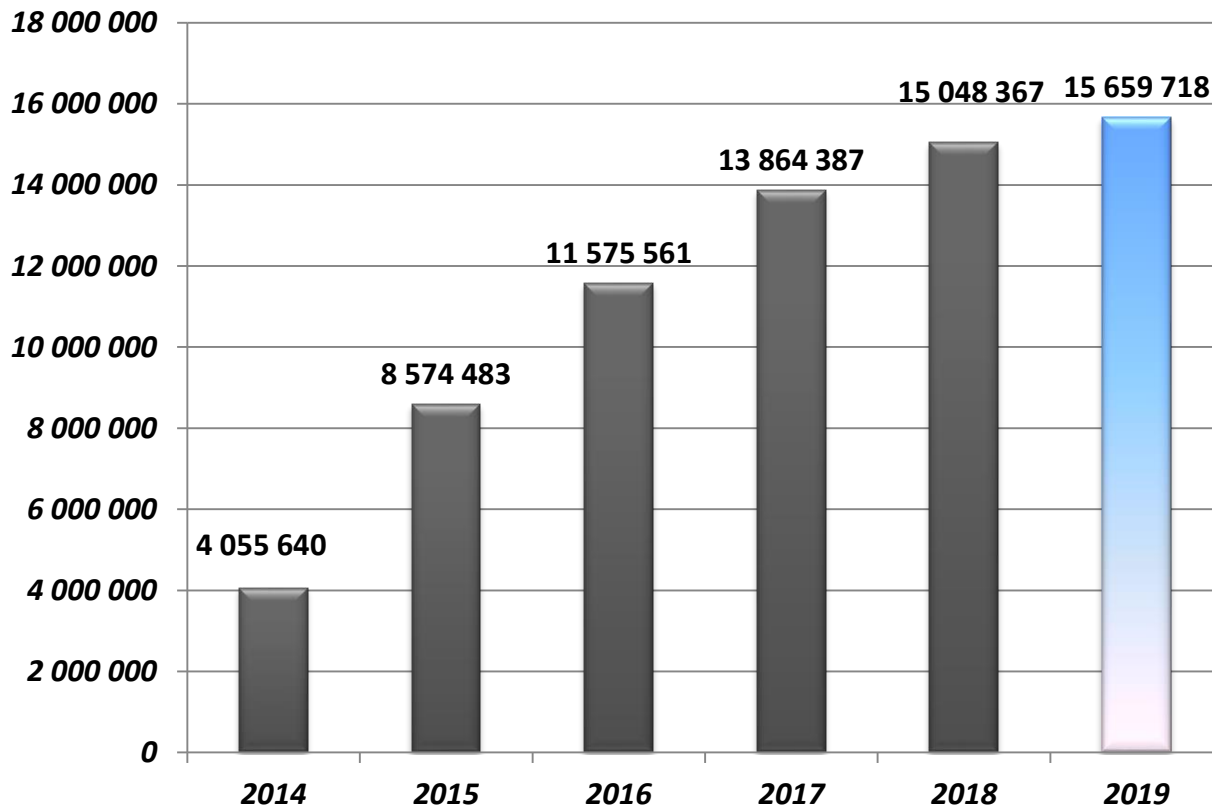


Lumpy Skin Disease Vaccination in 2019

LSD vaccination in 2019 (From 01/01/2019 until --/--/2019)					
Region	Total cattle		% vaccination coverage	Period of vaccination	
	Present	Vaccinated		From (start date)	To (end date)
Thrace	639.000	632.839	99,03	1 January	1 September
Anatolia	16.085. 155	15.026.8 79	93,42	1 January	1 September
TOTAL	16.724. 155	15.659.7 18	93,63		



Number of Vaccinated Cattles

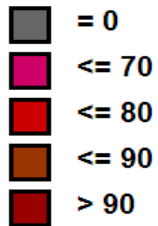
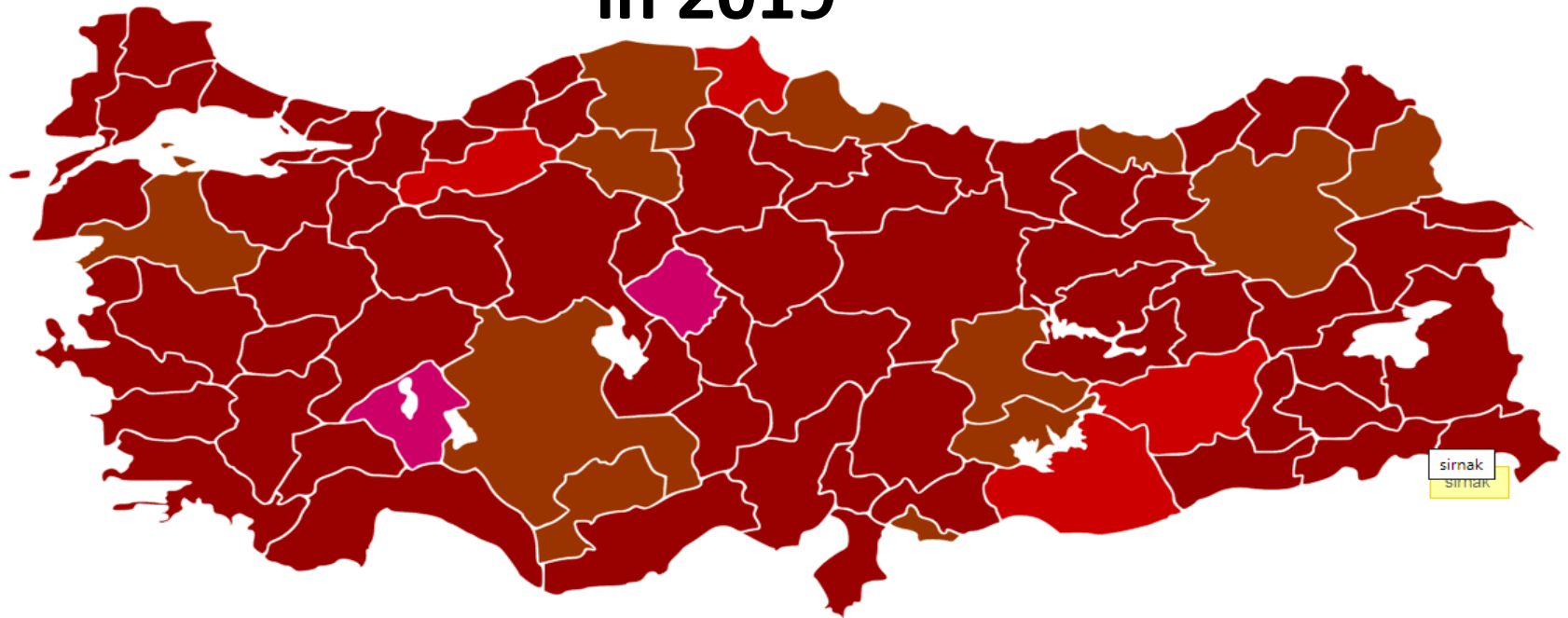


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Lumpy Skin Disease Vaccination in 2019

Map of LSD vaccination areas and vaccine coverage in 2019



LSD Control Program in 2019

- LSD control strategy of Turkey is based on Veterinary Services, Plant Health, Food and Feed law no: 5996 and in compliance with Council Directive 92/119/EEC except slaughtering.
- LSD is compulsory notifiable disease in Turkey.
- Restriction, Quarantine, Ring Vaccination, Sampling, Diagnosis Control of animal movements Cleaning and Disinfection in outbreak areas, Insect control, Vaccination in outbreak area.
- National Reference Laboratory is Pendik Veterinary Control Institute
- SGP vaccine (Bakırkoy strain, local strain) is used for LSD that produced by PVCI and two private companies.
- Positive laboratory result and clinically symptomatic animals in outbreak zone compensated to the owners (100% of the animal value)

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LSD Control Program in 2019

- The vaccination campaign carried out between 1 January – 1 September
- Due to different climatic conditions of the regions, each province directorate organised the time of own vaccination program (because of the differences between their climate conditions, geographical status and husbandry system)
- All cattles older than 3 months were vaccinated with 5 times sheep and goat pox vaccine (Bakirkoy Strain)

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Lumpy Skin Disease surveillance in 2019

Type of surveillance implemented

1. Passive Clinical Surveillance

Clinical examination and sampling after notification of a suspicion on LSD by farmers/private vets

2. Active Clinical Surveillance in Outbreak Areas

Clinical examination in at least 10 km diameter zone (protection and surveillance zone) in the case of an LSD confirmation



Lumpy Skin Disease surveillance in 2019

Type of surveillance implemented

3. Risk Based Surveillance Program in Thrace Region

Statistical target: to detect a herd prevalence of 5% and prevalence within the herds of 5% LSD for detecting the clinical signs among susceptible animals of each epidemiological unit with a 95% level of confidence).

Number of epi-units to be sampled distributed proportion number of total number of villages per province by expected prevalence;

Çanakkale:33;

Istanbul:43;

Edirne:53;

Kırklareli:52 and

Tekirdağ:55)

In total 236 epi units, clinical surveillance is conducted in every cycle. 4 cycles are realized a year.



Lumpy Skin Disease surveillance in 2019

	Number examined	Outcome
Number of <u>LSD suspicions</u> investigated	214	131 positive results
Number of <u>holdings</u> subject to LSD clinical examination	-709 holdings in Thrace (RBS) -64.660 holdings in outbreaks zone	Samples were taken from suspected animals of LSD. No positive results found
Number of <u>animals</u> subject to LSD clinical examination	-42.480 animals in Thrace (RBS) -581.940 animals in outbreaks zone	Samples were taken from suspected animals of LSD. No positive results found
Number of Samples subject to LSD serology (e.g. ELISA , SNT other)	-	-
Number of Samples subject to LSD virological tests (e.g. PCR, other)	214	131
Comments – other info (if any)		

Lumpy Skin Disease planning for 2020

(e.g. LSD vaccination/surveillance , if any)

Ongoing Projects

- Detection of vectorborn diseases and creation of early warning system in Turkey
- Addressing the dual emerging threats of African Swine Fever and Lumpy Skin Disease in Europe DEFEND (EU Project)
- Enhancing national capabilities for early and rapid detection of priority vector borne diseases of animals (including zoonoses) by means of molecular diagnostic tools (IAEA Project)
- Control and prevention of Lumpy Skin Disease (LSD) (EU funded IPA Project)

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Lumpy Skin Disease planning for 2020

(e.g. LSD vaccination/surveillance , if any)

IPA Project «Control and prevention of Lumpy Skin Disease (LSD)» financed by EU

Contracts of the project:

- 1- Technical Assistance for Control and Prevention of Lumpy Skin Disease
- 2- Supply of Vaccines for Control and Prevention of Lumpy Skin Disease
- 3- Supply of Laboratory Equipment and Light Traps for Control and Prevention of Lumpy Skin Disease

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Lumpy Skin Disease planning for 2020

(e.g. LSD vaccination/surveillance , if any)

1- Technical Assistance for Control and Prevention of Lumpy Skin Disease

Targets :

- a) Improvement of diagnostic methods for LSD
- b) Capacity building of MoAF staff via trainings
- c) To raise the livestock farmers' awareness on LSD
- d) To develop Animal Health Strategy of MoAF for LSD

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Lumpy Skin Disease planning for 2020

(e.g. LSD vaccination/surveillance , if any)

2- Supply of Vaccines for Control and Prevention of Lumpy Skin Disease

 Anatolian Region : 5x Sheeppox Atenuated Vaccine (16.694.809 cattles)
 Thrace Region : LSDV Neetling Strain Homologous Vaccine (526.094 cattles)



- Target : To supply both homologous and heterologous vaccine for 3 years (2020-2022)

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Lumpy Skin Disease planning for 2020

(e.g. LSD vaccination/surveillance , if any)

3-Supply of Laboratory Equipment and Light Traps for Control and Prevention of Lumpy Skin Disease

Target :

- a) To increase the equipment capacity of diagnostic laboratories
- b) To supply light traps to investigate the vector activity in the country



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THANK YOU



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