



Food and Agriculture Organization
of the United Nations



MINISTRY OF AGRICULTURE, RURAL DEVELOPMENT AND WATER ADMINISTRATION OF ALBANIA

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Regional workshop on lumpy skin disease prevention, control, and awareness

Budapest, Hungary, 7-9 March 2017

CATTLE POPULATION



Type of farming	Dairy	Beef	Total
Cattle population	475.713		475.713
Small holdings (1 – 3 heads)	272.903		272.903
Farms	166.035		166.035

- **Cattle density map:** Yes
- **Seasonal cattle migration:** No
- **Nomadic farming practices:** No
- **Domestic buffalo:** Yes

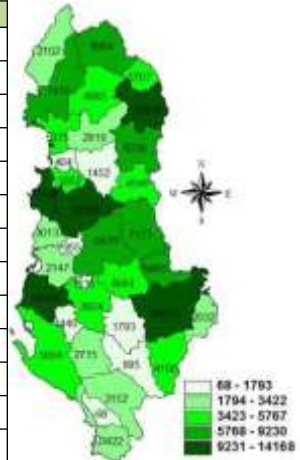
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CATTLE DENSITY MAP



No	Region	Cattle
1	Berati	24500
2	Diber	31700
3	Durres	27000
4	ELBASANI	48700
5	Fier	30500
6	Gjrokaster	24500
7	Korca	38100
8	Kukes	30150
9	Lezhe	25400
10	Lushnja	29000
11	Shkoder	58300
12	Tirana	44800
13	Vlora	29750
TOTAL		475.713



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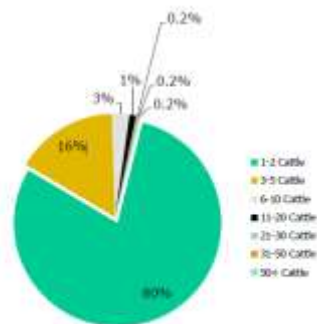
CATTLE POPULATION



Approx. 1264 commercial cattle farms

- Min. cattle in herd = 20
- Max. cattle in herd = 400
- Median = 30
- Standard deviation = 45.7

Approx. 80% of the farms have 1-2 cattle
Approx. 16 % of the farms have 3-5 cattle



Farm Size - Frequency Chart

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DOMESTIC BUFFALO POPULATION



- **Domestic buffalo:**
80 heads in Lushnja Region



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LSD situation



1. Number of outbreaks
2. Outbreak map
3. Outbreaks by month
4. Outbreaks by production type (dairy, beef)
5. Suspected/known source of infection

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NUMBER OF OUTBREAKS



Total 3935

Region	Villages	Farms	Sick Animals	Deaths
Berat	42	135	165	42
Dibër	192	1217	2100	591
Durrës	17	67	171	74
Elbasan	142	641	1060	334
Fier	19	72	73	27
Lushnje	42	227	191	173
Gjirokastrë	4	7	9	4
Korçë	60	175	375	62
Kukës	124	464	793	179
Lezhë	23	81	95	34
Shkodër	91	411	523	168
Tiranë	57	409	730	191
Vlorë	7	29	168	24
TOTAL	820	3935	6453	1903

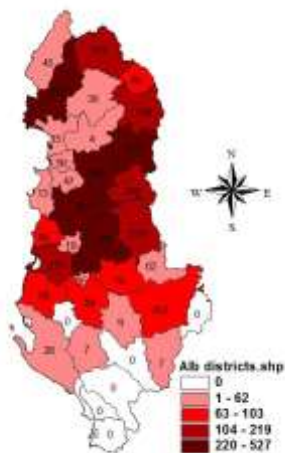
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OUTBREAK MAP



1. Number of outbreaks
Total 3935
(Type dairy farms)



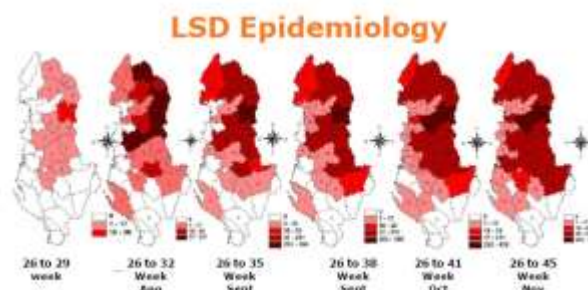
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Outbreaks by month



Number of outbreaks
3935



Month	July	August	September	October	November	December	January	February
Outbreaks	232	1014	535	571	882	580	104	17

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Suspected/known source of infection



- The first outbreak of Lumpy Skin Disease in Vlashaj, Shupenzë, Bulqizë was reported on 6 of July 2016
- It was located in North East FYROM border.



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Diagnostic capacity



Assay	Available	Not available	Testing possible at any time (24/7)	Max capacity of sample testing/day
PCR Gel based	Yes			
PCR Real-time	Yes		350-400 (5 working days)	70-80
Virus isolation		No		
Serology		No		
Other				

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LSD Vaccination campaigns



	Start (Date)	Finished (Date)	Vaccination strategy (whole country, ring vacc., buffer zone)	Vaccination coverage in vaccinated areas (%)
LSD Outbreaks	06.07.2016	February 2017	whole country	
Vaccination campaign (2016)	26.07.2016	25.12.2016	whole country	
Vaccination campaign (2017)	02.01.2017		whole country	

Product name	Manufacturer	Dosage	Present stock	Adverse reactions detected
Lumpy skin disease vaccine for cattle	OPB	75.000	No	No
Lumpyvax	MSD	480.000	185.000	159 cattle with LSD symptoms after vacc.
Other vaccine (name)	No			

- Started tender for vaccine for vaccination campaigns in 2017?- Yes.
- Started the procedure of finding the budget for the vaccine.

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LSD Vaccination campaigns



✓ The European Commission, Directorate General for Health and Food Safety supplied 75.000 doses of vaccine

✓ Albanian government provided 480.000 doses of vaccine



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Outbreak response



Measure	Applied			Not applied
Contingency plan available	Yes			
Cattle movement control	Yes			
Cleaning and disinfection	Yes			
Stamping-out policy	Total (all animals)	Partial (only those with clinical signs)	Partial (only severe cases)	
Disposal of carcasses	At site	Outside X	Into a plant	
	Burning	Burial X	Rendering	
Vector control	Animals- X	Facilities -X	Environment -X	
Clinical surveillance	Active (# of samples)	Passive (No. of samples are 6453)		
Serosurveillance	No. of samples are 3500			

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Challenges



- Control and eradication of LSD in Albania.
- Vaccination of total number of animals.
- Increase of biosecurity on farm.
- Training of all stakeholders.
- Movement control of animals.
- Increase the laboratory capacity .
- Increased financial resources.



Thanks for your attention.