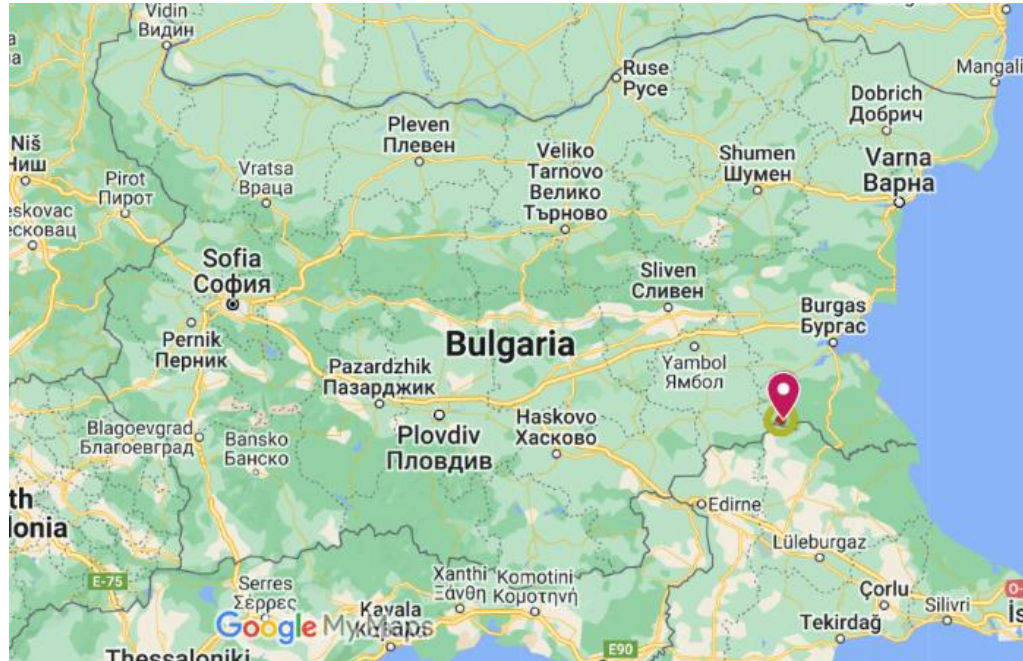




Sheep pox virus outbreak and control measures in Bulgaria

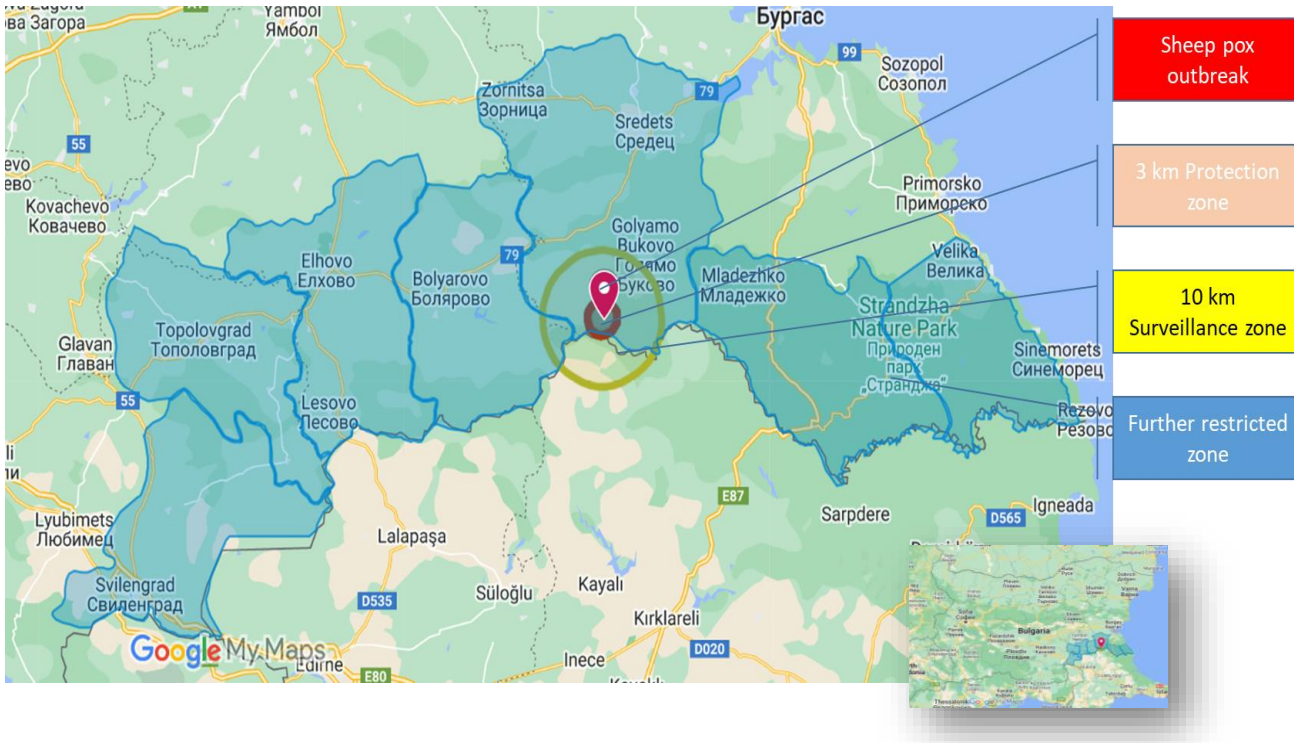
Sheep pox virus epidemiological situation, 2023



Region	Municipality	Village	Date of suspicion	Date of sampling	Date of confirmation	Date of culling	Date of preliminary C&D	Type of samples	Affected animals	Census	Category
Burgas	Sredets	Gorno Yabalkovo	15.09.2023, within the implementation of passive surveillance /THRACE programme	15.09.2023	16.09.2023	17.09.2023	18.09.2023	blood	4 (nasal mucous discharge, papular rashes on the muzzle, nonhairy parts of the body)	225 sheep	Milk/meat

ACTIONS AND MEASURES ENFORCED IN THE AFFECTED FARM AND RESTRICTION MEASURES

- Stamping out of all susceptible animals in the affected farm
- Safe disposal of carcasses, followed by C&D procedures
- Establishment of restriction zone – 3 km (PZ) and 10 km (SZ) and further restricted (FR) zones; CID 2023/2067; Only FR zone since 19.10.2023
- Surveillance in the restriction zones:
 - Clinical examination and sampling (blood and swab samples) (5%prevalence (LC 95%) per holding) in 3 km and 10 km zones
 - Clinical examination (5%prevalence (LC 95%) per village) and sampling in case of suspicion (blood and swab samples) in the further restricted zone.



Surveillance activities carried out in the restriction zone, 16.09-13.10.2023

Region	Zone	animal population		clinical surveillance			sampling				
							blood samples		salvia swabs		
		holdings, n	sheep	goat	holdings, n	sheep	goat	sheep	goat	sheep	goat
Burgas	3-10 km zone	20	1769	334	71	3148	740	514	103	514	103
Burgas		94	7540	1528	30	715	201				
Yabmol		212	13431	2194	269	4559	988				
Haskovo		120	8951	2878	83	1975	570				

ACTIONS AND MEASURES ENFORCED IN THE AFFECTED FARM AND RESTRICTION MEASURES

- Indoor keeping of susceptible animals in 3 and 10 km zone;
- Restriction on the movement and official control of animal and risk products movements, including reproductive materials and ABP;
- Ban on the movement of animals and risk products from the PZ and SZ . Meat and milk are subject of treatment in accordance with Annex VII of Reg. 2020/687;
- Movements of animals kept in the further restricted zone to a destination outside may be authorized only for immediate slaughter to a slaughterhouse located within the territory of Bulgaria, following the the requirements of CID (EU) 2023/2067 of 26 September 2023 concerning certain interim emergency measures relating to sheep pox and goat pox in Bulgaria.
- Prohibition of fairs, markets, exhibitions and other concentrations of livestock.

ADDITIONAL CONTROL MEASURES

- Epidemiological considerations:
 - The village concerned is a small size village – 3 small ruminant holdings (303 susceptible animals), 7 households in total;
 - The farm concerned – family farm, close cycle, the animals are under selection, feed is own production, own equipment. The wool is storage in the farm. No workers/herdsman.
 - High awareness of the farmer about the risk related to TAD diseases
 - Movement patterns:



BT vaccination,
23 03.2023

Last milk
collection
4.06.2023

Brucellosis test,
14.08.2023

Last lamb sold ,
May 2023

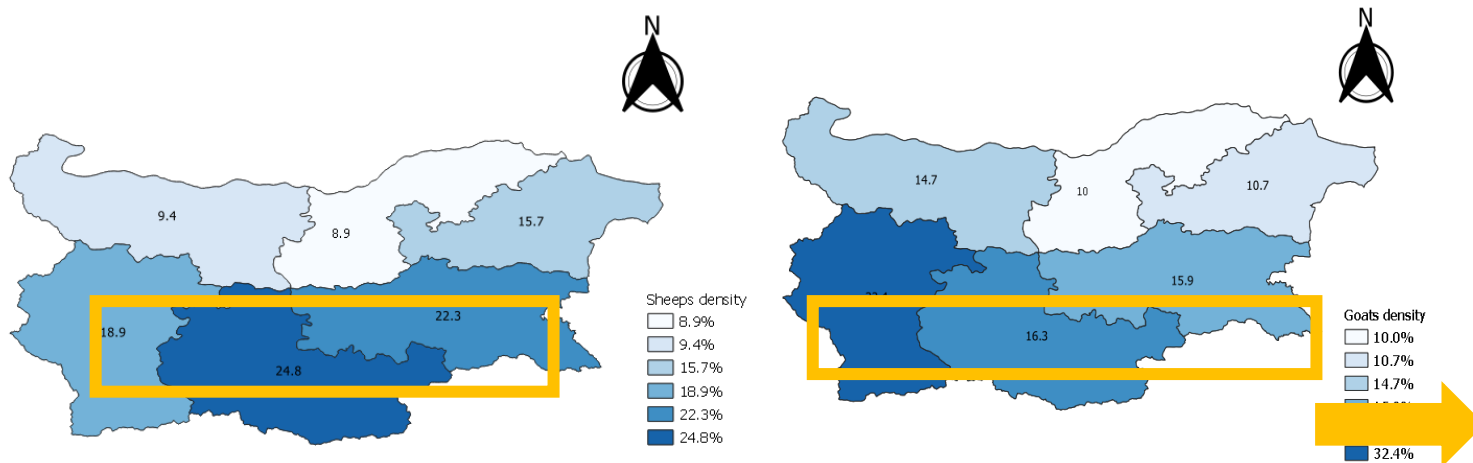
FMD/PPR/SGP
surveillance, THRACE
programme 01.08.2023

Suspicion,
15.09.2023

ADDITIONAL CONTROL MEASURES

➤ Epidemiological considerations:

- Sparsely populated area;
- Extensive production system, animals are grazed on own pastures, production of lambs and milk , subsidized by the government, high % of non professionalized holdings;
- The wool is not a production factor;



Region	No. of holdings	No. of small ruminants
Bulgaria –the whole territory	85 227	1 807 581
Regions in high risk	17%	34%

ADDITIONAL CONTROL MEASURES

- Possible source of infection:
 - Illegal movement of animals -no data, no events, low probability
 - Infected equipment/commodities - no movement, no shared equipment, no workers were in place;
 - Wildlife –not enough scientific data;
 - Movement of animals crossing the border - low probability, fence along the border;
 - Refugees?



ADDITIONAL CONTROL MEASURES

- T.H.R.A.C.E. and TADs programmes – risk based surveillance of FMD, SGP, PPR, LSD:
 - Clinical examination on monthly basis;
 - Serological surveillance every 3 months (small ruminants).
 - Target 5% prevalence (LC 95%)
 - LSD vaccination



- Epizootic commission at regional and municipal levels;
- Enhanced biosecurity and passive surveillance;
- Enhanced passive surveillance and biosecurity, through awareness campaigns targeted to farmers and private veterinarians.

Шарка по овце и кози



Треска
Депресия

Чума по дребни преживни животни

БОЛЕСТТА

Чумата по дребни вирусно заболяване. Протича с:

- треска и ди
- изтечения
- афти в уст
- муцуната и
- джаринг;
- кашлица и
- нене.

Болезта мюн

НАЧИ

Източник на ни.

Предването

- директен
- здрави жи
- контактни
- рудване, г

ПРИ

Изобилвайше:

- контакт с
- посещени
- обекти;
- размяна и
- венчар, пр
- котловоди

ВСИКО СЪМЪН

съобщав

възбудител

Обществен




БОЛЕСТТА

Заразен нодуларен дерматит е сива заразна вирусна болест по едните преживни животни, характеризираща се с треска и изригване от възловидни образци по кожата.

Болезта води до намален или изцяло млекоотдаване, вреди на качеството на млякото и намалява големите млекоотдаващи губи, вследствие ограничаване на твърдите и нежностите на животни и продуктите, от засегнатите региони.

НАЧИ НА ЗАРАЗЯВАНЕ

Предването и разпространение на лещата става механично, чрез комари, мухи и други насекоми и карпофи, а също така и чрез директен контакт между здрави и болни животни. Контактните средства и инструменти, оборудвани с вируса фуражи, водопроводи, превозни средства и постола, също могат да бъдат източници на инфекция.

КЛИНИЧНО ПРОЯВЯВАНЕ

По-тежко боледуват млекоотдаващите по-големи говеда, в пика на лактацията и младите животни. Характерна е треската, придружена от депресия, застояване, слюнотечение и слезисти изтечения от очите (Фиг. 1), които могат да бъдат последици от конюнктивит, а в някои случаи и слепота. Обикновено лимфните възли видимо уголемени.



Фигура 1. Слезисти изтечения от очите при говеда, болно от заразен нодуларен дерматит.



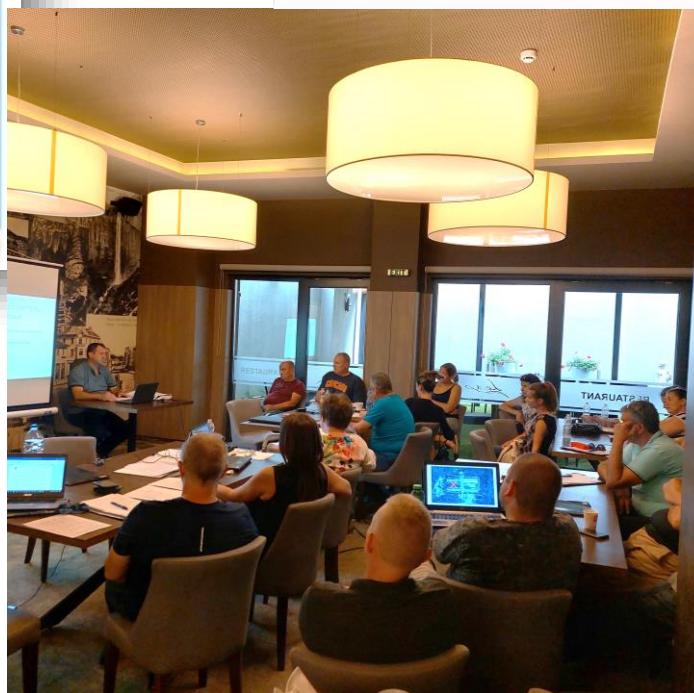
Фигура 2. Възловидни изменения по кожата на цялото тяло при говеда, болно от заразен нодуларен дерматит.



Фигура 3. Развиване на изменения по кожата при говеда, болно от заразен нодуларен дерматит.

Българска агенция по безопасност на храните, гр. София, 1506, бул. "Тито Стояков" № 15А

Телефон за контакт: 02 915 98 42





Thank you for you attention

