

About this dossier

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Eradication: Final report for Bluetongue 2019

For each approved annual or multi-annual programme Member States shall submit to the Commission by the 30 April each year an annual detailed technical and financial report covering the previous year. That report shall include the results achieved and a detailed account of eligible costs incurred (Art 14 of Regulation (EU) No 652/2014).

This form is for information only, no submission possible.

ID: 20200418-UCMEVM7D

Country code: PT

Reporting period

From: 2019

To: 2019

Year of implementation: 2019

1. Technical implementation of the programme

1.1 Description and evaluation of the evolution of the epidemiological situation, the technical implementation of the activities foreseen under the programme and the cost-effectiveness of the programme.

Autonomous regions of Açores and Madeira are free from Bluetongue virus.

BTV 4

Bluetongue (BTV4) first appeared in Portugal in November 2004.

Several measures were implemented since then, including the adjustment of the restricted area with the evolution of the disease, the imposition of animal movement restrictions, the implementation of clinical, serological, virological and entomological surveillance programs, together with the implementation of a vaccination program. Portugal declared freedom from BTV 4 in March 2010, according to the rules of the terrestrial code of the OIE, after two years of the last evidence of viral circulation. In November 2013 BTV4 reappeared in the Region of Algarve and the measures in place were adapted to this new situation. In November 2017, Portugal declared again freedom from BTV4, once the conditions to declare freedom from BTV4 infection were fulfilled .

In October 2018 new outbreaks of BTV4 were detected in the council of Coruche, in Lisboa e Vale do Tejo region, following the investigation of clinical suspicions.

Last outbreak was reported in November 2018.

The restricted area was adapted to this new situation and a risk area of compulsory vaccination was determined accordingly.

BTV1

In September 2007, BTV 1 was confirmed for the first time in Portugal in the Region of Alentejo and the measures implemented were adapted to this new situation. Restricted area was adapted accordingly with the evolution of the disease and in October 2008 all the country (mainland) was restricted area for BTV1 following the spread of the virus to the north of the country.

Two primary outbreaks were detected in 2012, followed by an epidemiological silence of 3 years, with the reappearance of BTV1 in Alentejo and Algarve regions in 2015.

Last outbreak was reported in January 2017.

Measures and actual situation

Even though some areas never evidenced viral circulation, all mainland territory of Portugal is restricted area for BTV1 and BTV4 in order to allow internal circulation of animals

Vaccination is mandatory in sheep in identified areas of increased risk of viral circulation for each of the serotypes. Vaccination is voluntary in bovine and sheep in territories not included in specific risk areas

Technical implementation of the foreseen activities in 2019 programme

In 2019, no outbreaks of BTV were confirmed as surveillance programs were implemented. See outbreaks evolution in attachment.

CLINICAL SURVEILLANCE

A total of 39 clinical suspicions were reported in this period, but all the results were negative.

SEROLOGICAL/VIRULOGICAL PROGRAM

The sentinel surveillance program started in May/June 2019 and 1278 animals were tested, with a total of 3000 sampling tests. 11 animals were positive for ELISA in the first test and discarded from the sentinel program. All these ELISA positive animals were tested for PCR and all the results were negative. 8 animals were tested for BTV under the scope of official surveillance controls in traded animals (trade checks on arrival). All the results were negative. See sentinel program data and map in document:

Attachment_Surveillance plan_sentinels_2019 . Premovement tests (RT-PCR) were performed in 10038 animals , with all the results negative for BTV .

VACCINATION PROGRAM

A total of 1097457 sheep were vaccinated in the scope of BTV1 mandatory vaccination and 160242 sheep were vaccinated in the scope of BTV4 mandatory vaccination, which represents a coverage rate of 78% for animals for BTV1 vaccination campaign. In the scope of voluntary vaccination, 111722 bovines and 376551 sheep were vaccinated for BTV1 and 111069 bovines and 357235 sheep were vaccinated for BTV4. See vaccination data in document Attachment_2019 Vaccination and mandatory vaccination map.pdf. The units for vaccination dosis (1370691 dosis) in TABLE 3 take into account 15% of losses and only includes BTV1 mandatory vaccination. BTV4 mandatory vaccination is not included in TABLE 3. The number of dosis for BTV4 mandatory vaccination was 184278 units , taking into account 15% of losses. An updated 2019 program was resubmitted the 25 July 2019, including BTV4 mandatory vaccination.

1.2 Details on the level of achievement of the targets set in the approved programme and technical difficulties.

The targets were achieved according to the approved program and there were'nt any specific technical difficulties reported.

1.3 Epidemiological maps for infection and other relevant data on the disease/activities (information on serotypes involved,...) (Please attach files of data using the PDF attachment feature) Use the textbox below to provide clarifications for the maps you attach, if needed.

See point 1.1

2. TECHNICAL IMPLEMENTATION ON BLUETONGUE PROGRAMMES

VERY IMPORTANT: Please fill out the following tables with figures corresponding to measures performed during the implementing period (1/1 to 31/12).

Table A - DATA ON HERDS

Table A is not to be filled in for Bluetongue

Table B - DATA ON ANIMALS

Region	Animal species	Total	Number of	Number of animals to be	Number of	Number of	Number of	Number of
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		number of animals	animals under the programme	tested under the programme	animals tested	animals tested individually	positive animals	outbreaks
Mainland-sentinels	Cattle	1,361,939	1,356	1,356	2,227	2,227	0	0
Mainland-sentinels	Goats	342,552	450	450	773	773	0	0
Mainland-clinical suspicions	Cattle	1,361,939	1,361,939	0	11	11	0	0
Mainland-clinical suspicions	Sheep	2,046,094	2,046,094	300	18	18	0	0
Mainland-clinical suspicions	Goats	342,552	342,552	0	10	10	0	0
Mainland- Trade cheks	Cattle	8	8	8	8	8	0	0
Mainland-Premovments	Cattle	1,361,939	1,361,939	0	8,599	8,599	0	0
Mainland-Premovments	Sheep	2,046,094	2,046,094	0	1,436	1,436	0	0
Mainland-Premovments	Goats	342,552	342,552	0	3	3	0	0
Total		9,205,669	7,502,984	2,114	13,085	13,085	0	0

Table C - DATA ON VACCINATION PROGRAMMES

Region	Animal species	Total number of herds	Total number of animals	Serotype	Number of herds in vaccination programme	Number of herds vaccinated	Number of animals vaccinated	Number of doses of vaccine administered	Number of adults vaccinated	Number of young animals vaccinated	Number of animals with primary vaccination (initial+ booster)
Centro - Mandatory vaccination	Sheep	1,461	139,077	BTV-1	1,461	1,224	121,425	127,903	114,947	6,478	6,478
Lisboa e Vale do Tejo - Mandatory vaccination	Sheep	1,549	76,118	BTV-1	1,549	1,348	68,954	75,420	62,488	6,466	6,466
Alentejo - Mandatory vaccination	Sheep	7,612	1,150,475	BTV-1	7,612	6,892	872,185	949,984	794,386	77,799	77,799
Algarve- Mandatory vaccination	Sheep	697	37,305	BTV-1	697	671	34,893	38,598	31,188	3,705	3,705
Mainland-Voluntary vaccination	Cattle	32,853	643,119	BTV-1	32,853	427	111,722	223,444	0	0	111,722
Mainland-Voluntary vaccination	Sheep	30,611	1,402,975	BTV-1	30,611	89	376,551	753,102	0	0	376,551
Lisboa e Vale do Tejo- Mandatory vaccination	Sheep	646	63,788	BTV-4	646	903	51,522	51,522	0	0	0
Alentejo- Mandatory vaccination	Sheep	746	167,301	BTV-4	746	631	108,720	108,720	0	0	0
Mainland-Voluntary vaccination	Sheep	40,538	1,815,005	BTV-4	40,538	107	357,235	357,235	0	0	0
Mainland-Voluntary vaccination	Cattle	32,853	1,361,939	BTV-4	32,853	421	111,069	111,069	0	0	0
Total		149,566	6,857,102		149,566	12,713	2,214,276	2,796,997	1,003,009	94,448	582,721

Table D - DATA ON STATUS OF HERDS AT THE END OF THE PERIOD

Table D is not to be filled in for Bluetongue

Table E - SUSPENSION/WITHDRAWL OF THE FREE OR OFFICIALLY FREE STATUS

Table E is not to be filled in for Bluetongue

Table F - STRATIFIED DATA ON SURVEILLANCE AND LABORATORY TESTS

Region	Animal species	Number of samples	Test type	Number of tests	Number of positive tests
Mainland-Sentinels	Cattle	2,227	Elisa test	2,227	7
Mainland-Sentinels	Goats	773	Elisa test	773	4
Mainland-Sentinels	Cattle	7	PCR test	7	0

Mainland-Sentinels	Sheep	4	PCR test	4	0
Mainland-clinical suspicions	Cattle	2	Elisa test	2	2
Mainland-clinical suspicions	Sheep	5	Elisa test	5	3
Mainland-clinical suspicions	Goats	10	Elisa test	10	0
Mainland-clinical suspicion	Cattle	11	PCR test	11	0
Mainland-clinical suspicion	Sheep	15	PCR test	15	0
Mainland-clinical suspicion	Goats	10	PCR test	10	0
Mainland- Trade cheks	Cattle	1	Elisa test	1	1
Mainland- Trade cheks	Cattle	8	PCR test	8	0
Mainland-Premovments	Cattle	27	Elisa test	27	5
Mainland-Premovments	Cattle	8,572	PCR test	1,793	0
Mainland-Premovments	Sheep	1,436	PCR test	295	0
Mainland-Premovments	Goats	3	PCR test	1	0
Total		13,111		5,189	22
			Methods of laboratory analysis	Total number of tests	
			Total - Elisa test	3,045	
			Total - PCR test	2,144	

COMMENT / ADDITIONAL CLARIFICATION

1.9.1 SANTE Data Collection Platform - PRODUCTION • Contact us at SANTE-XMLGATE3@ec.europa.eu