

Eradication: Final report for Sheep And Goat Brucellosis 2018

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: 20190425-NC6WYPA1

Country code: ES

Reporting period

From: 2017

To: 2018

Year of implementation: 2018

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.

For the analysis of the evolution of the fight against the disease, a descriptive epidemiological study based on the evaluation of the historically available indicators, based on the community regulations for the preparation and presentation of reports on the National Programs of Eradication of Diseases.

The total number of herds investigated were 51,270, with a total of 3 positive herds (19 in 2017), which implies a herd prevalence of 0.01%, compared to 0.04% in 2017. Of the total herds positive, 3 were new positives (15 in 2017), which implies a herd incidence of 0.004%, compared to 0.03% in 2017.

Another epidemiological indicator of interest and with favorable evolution is the prevalence of animals or number of positive animals in 2018, which was 0.0002%, compared to 0.0007% in 2017. In short, the evolution of the prevalence and incidence of herds and the incidence of animals in 2018 has been very favorable.

Another important indicator for the evaluation of the program is the evolution of the different status of the flocks at the end of the year, since one of the main objectives of the program is the gradual increase of herds qualified as officially free.

The percentage of herds classified as free(M3) or officially free (M4) of ovine and caprine brucellosis in 2018 was 99.73%, compared to 99.10% in 2017.

There have been only cases of ovine and caprine brucellosis in herds of Andalusia (4), in the provinces of Granada (2) and Almería (1).

More detailed information is provided in ANNEX I.

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

In short and as a summary, the objectives set out in the National Program 2018 (a reduction of at least 50% of the herd prevalence and incidence of the year 2015) have been met widely and the evolution has been very favorable. For this reason, we consider that the measures implemented in 2018, which will be continued in the following years of program execution, reinforced by new measures, allow us to be optimistic regarding the achievement of the final objective, which is the eradication of the disease in all the country.

Among the technical difficulties that are evident to achieve levels close to the eradication of the disease highlights the appearance of an increasing number of "solitary sera" suspected of being FRSP, for whose elucidation it is necessary to use and authorization of additional tests complementary to the existing ones, such as the ELISA or BST tests.

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 ANNEXES I and II.

1.4 Additional epidemiological information (on epidemiological inquiries, abortions, lesions found in abattoir, human cases, etc...)

The Autonomous Communities have reported 3 epidemiological surveys recorded in the BRUTUB computer system. The causes of infection in these herds were recirculation, other deficiencies in biosecurity and management, and pastures for common use.

Regarding other measures contemplated in the program, the data are the following:

Tests of 30 days before the movements: 3598 herds and 199507 animals have been checked, with 6 seropositive animals detected (0 confirmed).

Pathological samples taken from positive animals: samples of 379 herds and 819 positive animals were taken, confirming the infection in 3 herds and 7 animals. A high number of isolates is due to the vaccine strain, so these herds / animals are considered uninfected.

There have been 3 verifications of cleaning and disinfection and 12 on-site inspections of herds with restrictions on movements to verify the isolation of positives, without non-compliance.

Regarding brucellosis considered as zoonosis, in Spain the cases of human brucellosis are due almost exclusively to B. melitensis. According to the Community Report on Sources and Trends of Zoonoses (EFSA, 2018), in Spain there were 63 confirmed cases in 2017.

2. TECHNICAL IMPLEMENTATION ON RUMINANT DISEASES 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

Region	Animal species	Total number of herds	Total number of herds under the programme	Number of herds to be checked under the programme this year	Number of herds checked	Number of positive herds	Number of new positive herds	Number of herds depopulated
		% of herds depopulated	% of herds coverage		% of positive herds Period herd prevalence		% of positive herds Herd incidence	
SPAIN	Sheep and Goats	115,382	108,761	55,745	51,270	3	2	2
		66.67 %	91.97 %		0.01 %		0 %	
Total		115,382	108,761	55,745	51,270	3	2	2

	66.67 %	91.97 %	0.01 %	0 %
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Table B - DATA ON ANIMALS

Region	Animal species	Total number of animals	Number of animals under the programme	Number of animals to be tested under the programme this year	Number of animals tested	Number of animals tested individually	Number of positive animals	Number of animals with positive result slaughtered or culled	Number of animals slaughtered
		% coverage at animals level				% positive animals Animal Prevalence			
SPAIN	Sheep and Goats	18,280,068	17,028,878	11,359,019	5,751,939	4,261,250	7	7	1,572
		50.64 %				0 %			
Total		18,280,068	17,028,878	11,359,019	5,751,939	4,261,250	7	7	1,572
		50.64 %				0 %			

Table C - DATA ON VACCINATION PROGRAMMES

Region	Animal species	Total number of herds	Total number of animals	Number of herds in vaccination programme this year	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)
SPAIN	Sheep and Goats	115,382	18,280,068	0	0	0	0	0	0	0
Total		115,382	18,280,068	0	0	0	0	0	0	0

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

	Region	Animal species	Total number of herds and animals under the programme	Unknown	Not free or not officially free from disease		Free of officially free-disease status suspended/ withdrawn	Free from disease	Officially free from disease
					Last check positive	Last check negative			
herds	SPAIN	Sheep and Goats	112,594	3	1	217	88	5,160	107,125
animals	"	"	18,078,542	177	393	15,974	15,025	1,010,081	17,036,892
Total - herds			112,594	3	1	217	88	5,160	107,125
Total - animals			18,078,542	177	393	15,974	15,025	1,010,081	17,036,892

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

Region	Animal species	Status	Reason	Number of herds
SPAIN	Sheep and Goats	withdrawn	infection confirmed	3
SPAIN	Sheep and Goats	suspended	non-negative result in diagnostic test	98
Total				101

Table F - STRATIFIED DATA ON SURVEILLANCE AND LABORATORY TESTS

Region	Animal species	Test type	Number of samples	Number of tests	Number of positive tests
SPAIN	Sheep and Goats	Rose bengal test	2,129,229	2,129,229	6,482
SPAIN	Sheep and Goats	Complement fixation test	2,725,405	2,724,405	720
SPAIN	Sheep and Goats	Bacteriological test	720	720	33
Total			4,855,354	4,854,354	7,235
			Methods of laboratory analysis	Total number of tests	
			Total - Bacteriological test	720	
			Total - Complement fixation test	2,724,405	
			Total - Rose bengal test	2,129,229	

COMMENT / ADDITIONAL CLARIFICATION

Detailed information of the costs by region are provided in ANNEX II.