

## Eradication: Final report for Salmonella 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: 20190409-L3TNMQ67

**Country code:** CZ

### Reporting period

**From:** 2017

**To:** 2021

**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.**

The National Salmonella Control Programmes in poultry in the Czech Republic are in accordance with EU legislation. The competent authority responsible for the programmes is the State Veterinary Administration of the Czech Republic. FBO sampling is done by trained operators or private veterinarians. Official veterinarians do official sampling. All samples are tested only in laboratories of the State Veterinary Institutes under the supervision of the State Veterinary Administration. The external agencies or laboratories are not involved in the programme.

The programme in laying hens is applied since 1 January 2007.

The programme in breeding flocks of Gallus gallus is applied since 1 January 2007.

The programme in broilers is applied since 1 January 2009.

The programme in flocks of fattening turkeys is applied since 1 January 2010.

We confirm that frequency and status of sampling in programmes are in accordance with sampling requirements laid down in Regulation (EC) No 2160/2003 of the European Parliament and of the Council and specified by Commission Regulation (EU) No 517/2011, Commission Regulation (EU) No 200/2010, Commission Regulation (EU) No 200/2012, Commission Regulation (EU) No 1190/2012.

The official veterinary supervision of farms and official sampling is carried out only by official veterinary inspectors at the level of Regional Veterinary Administration. Regarding biosecurity standards on poultry farms, the competent authority carries out official checks in accordance with the multi-annual national control plan based on risk analysis.

The vaccination of laying hens is mandatory in the Czech Republic. In accordance with Veterinary Act No 166/1999 coll. as amended the farm animal keeper, who keeps animals for commercial purposes shall keep the records of vaccination for minimum time period of five years.

Epidemiological situation in 2018:

The prevalence of positive breeding flocks of *Gallus gallus* for targeted serotypes (*S. Enteritidis*, *S. Typhimurium* - including monophasic strains with the antigenic formula 1,4,[5],12:i:-, *S. Infantis*, *S. Virchow* and *S. Hadar*) was 0,00% at the end of 2018. No breeding flock in production period was positive for targeted serotypes and one flock was positive for *S. Tennessee*.

The prevalence of positive laying hen flocks for *S. Enteritidis* and *S. Typhimurium* (including monophasic strains with the antigenic formula 1,4,[5],12:i:-) was 0,83% at the end of 2018. In total 4 flocks of laying hens in production period were positive for *S. Enteritidis*. One flock in production period was positive for *S. Montevideo*.

Four adult flocks of laying hen were depopulated in 2018 in connection with the occurrence of *S. Enteritidis*. Table eggs for these flocks were destroyed or heat treated. Compensation for farmer in connection with two from these positive flocks is completed and is included in to the reimbursement claim for 2018. Compensation related to two other positive flocks depopulated in 2018 is not completed and is not included to the reimbursement claim. One flock positive for *S. Enteritidis* in December 2017 was culled in January 2018 and compensation for farmer in connection with this positive flock is completed and is included in to the reimbursement claim for 2018.

In 2018 in consignment of day old chicks from Slovakia was positive for *S. Typhimurium*. Chickens were depopulated and compensation related to these birds is included to reimbursement claim.

For clarification of compensation in 2018 see the attached document: "SCP Final Report 20178-Compensation 2018".

The prevalence of positive broiler flocks for *S. Enteritidis* and *S. Typhimurium* (including monophasic strains with the antigenic formula 1,4,[5],12:i:-) was 1,68% at the end of 2018. In total 79 flocks were positive for *S. Enteritidis*, no flock was positive for *S. Typhimurium* and 37 flocks were positive for other serotypes of *Salmonella* spp.

There is currently not any holding with breeding turkeys in the Czech Republic. The last holding with turkeys was closed in 2014. This is the reason, why any flock of breeding turkeys was not sampled in 2018.

The prevalence of fattening turkey flocks positive for *S. Enteritidis* and *S. Typhimurium* (including monophasic strains with the antigenic formula 1,4,[5],12:i:-) was 1,18% at the end of 2018. Three flocks were positive for *S. Enteritidis*, no flock was positive for *S. Typhimurium* and 6 flocks were positive for other serotypes of *Salmonella* spp.

Official sampling and official visit:

Breeding flocks: Union target (prevalence < 1%) was met in 2013, therefore official sampling was carried out each 3 weeks during laying period.

Laying hens: Official sampling in flock of laying hens was performed in compliance with Commission Regulation (EU) No 517/2011. In the framework of official samples 3 samples of naturally poled faeces were taken and separately tested as two individual samples. Official visits were done not only in the case of taking official faeces samples but also for the collection of official samples of feed or swabs for testing disinfection efficacy.

Broilers and fattening turkeys: Official sampling was carried out in compliance with Commission Regulation (EU) No 200/2012 and Commission Regulation (EU) No 1190/2012.

For clarification of official visits and official sampling in 2018 see the attached document: "CZ SCP 2018 official samples and visits"

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

Breeding flocks:

Targeted *Salmonella* prevalence of breeding flocks of *Gallus gallus* was reached in 2013 ever since the target set by the European Commission was not exceeded. The prevalence of positive adult breeding flocks for targeted serotypes at the end of 2018 was 0,00%. In total 644 flocks in production period were tested

for Salmonella spp. within period 1 January - 31 December 2018, no flock was positive for Salmonella targeted serotypes, one flock was positive for S. Tennessee (0,16%).

**Laying hens:**

Targeted Salmonella prevalence of laying hens flocks was reached in 2012 ever since the target set by the European Commission was not exceeded. The prevalence of positive laying hens flocks producing table eggs was 0,83% for targeted serotypes in 2018. In total 483 flocks in production period were tested for Salmonella spp. within period 1 January - 31 December 2018, 4 flocks were positive for S. Enteritidis (0,83%), one flock was positive for S. Montevideo (0,21%).

**Broilers**

The prevalence of broilers flocks positive for targeted serotypes was 1,68% in 2018. In total 4703 flocks in production period were tested for Salmonella spp. within period 1 January - 31 December 2018. 79 flocks were positive for S. Enteritidis (1,5%), no flock was positive for Salmonella Typhimurium and 37 flocks were positive for other Salmonella serotypes (0,79%).

**Fattening turkeys:**

The prevalence of fattening turkeys flocks positive for targeted serotypes was 1,18% in 2018. In total 255 flocks were tested for Salmonella spp. within period 1 January - 31 December 2018, 3 flocks were positive for S. Enteritidis (1,18%) and no flock for S. Typhimurium. 6 flocks were positive for other Salmonella serotypes (2,35%). Due to low density of turkey flocks in the Czech Republic increase of prevalence is caused even by rare Salmonella occurrence.

For further Salmonella prevalence information see the attached document: "CZ SCP 2010-2018"

**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.**

**Breeding flocks:**

In total 518 adult breeding flocks were tested in the framework of official sampling. No of them was positive for targeted Salmonella serotypes. In total 623 adult breeding flocks were tested in the framework of FBO sampling, no of them was positive for targeted serotypes, one flock was positive for S. Tennessee.

**Laying hens:**

In total 86 flocks of laying hens in production period were officially tested, 3 flocks were positive for S. Enteritidis one flock was positive for S. Montevideo. 453 flocks were tested in the framework of FBO sampling, one flock was positive for S. Enteritidis.

**Broilers:**

In total 36 flocks were officially tested, 4 flocks were positive for S. Enteritidis. In the framework of FBO sampling 4667 flocks were tested , 75 flocks were positive for S. Enteritidis, and 37 flocks were positive for other Salmonella serotypes .

**Fattening turkeys:**

In total 14 flocks were tested in the framework of official sampling, no of them was positive for Salmonella spp. 248 flocks were tested in the framework of FBO sampling, 3 of them were positive for Salmonella Enteritidis and 6 flocks were positive for other serotypes.

For more information about sampling and serotypes in 2018 see the attached document: "CZ SCP 2018 official+FBO sampling+serotypes"

**2. Tables for Salmonella monitoring outcome of the year**

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

	Number of adults flocks checked	Number of these flocks infected by a target serovar	Incidence
Breeding flocks of Gallus gallus	644	0	0 %
Laying hen flocks	483	4	0.83 %
Broiler flocks	4,703	79	1.68 %
Breeding flocks of turkeys	0	0	%
Fattening flocks of turkeys	255	3	1.18 %

**Table A - BREEDING FLOCKS OF GALLUS GALLUS**

No of flocks with more than 250 adult breeders of Gallus gallus	644
No of flocks covered by the programme - Rearing flocks	591
No of flocks covered by the programme - Adults	644
No of flocks checked by the Competent Authorities - Rearing flocks	0
No of flocks checked by the Competent Authorities - Adults	518
No of flocks checked by the FBO - Rearing flocks	591
No of flocks checked by the FBO - Adults	623
No of official visits to take samples - Routine (holding)	737
No of official visits to take samples - Routine (hatchery)	0
No of official visits to take samples - Confirmatory sampling	1
No of official visits to take samples - Efficacy of disinfection	1
Positive flocks (SE,ST,SH,SI,SV) - No of positive flocks - Rearing flocks	0
Positive flocks (SE,ST,SH,SI,SV) - No of positive flocks - Adults	0
Positive flocks (SE,ST,SH,SI,SV) - No of positive flocks depopulated - Rearing flocks	0
Positive flocks (SE,ST,SH,SI,SV) - No of positive flocks depopulated - Adults	0
Positive flocks (SE,ST,SH,SI,SV) - No of birds concerned - Rearing flocks	0
Positive flocks (SE,ST,SH,SI,SV) - No of birds concerned - Adults	0
Positive flocks (SE,ST,SH,SI,SV) - No of eggs - Heat treated	0
Positive flocks (SE,ST,SH,SI,SV) - No of eggs - Destroyed	0

**Table B - FLOCKS OF LAYING HENS**

No of holdings with more than 1,000 adult laying hens	69
No of flocks in these holdings - Rearing flocks	150
No of flocks in these holdings - Adults	466
No of holdings covered by the programme	82
No of holdings covered by the programme - Rearing flocks	158
No of holdings covered by the programme - Adults	483
Official checks - No of holdings with adult flocks checked	67
Official checks - No of adult flocks checked in these holdings	86
Official checks - No of pullet flocks checked in these holdings	0
FBO checks - No of holdings checked	82
FBO checks - No of adult flocks checked in these holdings	453
FBO checks - No of pullet flocks checked in these holdings	158
No of official visits to take samples - Routine	73
No of official visits to take samples - Confirmatory sampling	3
No of official visits to take samples - Specific samples	9
No of official visits to take samples - Competent authority samples	4
No of official visits to take samples - Efficacy of disinfection	5
Positive flocks (SE,ST) - No of positive flocks - Rearing flocks	1
Positive flocks (SE,ST) - No of positive flocks - Adults	4
Positive flocks (SE,ST) - No of positive flocks depopulated - Rearing flocks	1
Positive flocks (SE,ST) - No of positive flocks depopulated - Adults	4
Positive flocks (SE,ST) - No of birds concerned - Rearing flocks	75,509
Positive flocks (SE,ST) - No of birds concerned - Adults	75,646
Positive flocks (SE,ST) - No of eggs - Destroyed	0

**Table C - BROILER FLOCKS**

No of holdings with more than 5,000 broilers	258
No of flocks produced in these holdings	4,625

No of holdings covered by the programme	271
No of flocks produced in these holdings	4,703
No of flocks checked (official checks)	36
No of flocks checked (FBO checks)	4,667
No of official visits to take samples - Routine	50
No of official visits to take samples - Efficacy of disinfection	14
No of positive flocks (SE,ST)	79

**Table D - BREEDING FLOCKS OF TURKEY**

No of flocks with more than 250 adult breeding turkeys	0
No of flocks with elite, great grand parent, grand parents	0
No of flocks covered by the programme - Rearing flocks	0
No of flocks covered by the programme - Adults	0
No of flocks checked by the Competent Authorities - Rearing flocks	0
No of flocks checked by the Competent Authorities - Adults	0
No of flocks checked by the FBO - Rearing flocks	0
No of flocks checked by the FBO - Adults	0
No of official visits to take samples - Routine (holding)	0
No of official visits to take samples - Routine (hatchery)	0
No of official visits to take samples - Confirmatory sampling	0
No of official visits to take samples - Efficacy of disinfection	0
Positive flocks (SE,ST) - No of positive flocks - Rearing flocks	0
Positive flocks (SE,ST) - No of positive flocks - Adults	0
Positive flocks (SE,ST) - No of positive flocks depopulated - Rearing flocks	0
Positive flocks (SE,ST) - No of positive flocks depopulated - Adults	0
Positive flocks (SE,ST) - No of birds concerned - Rearing flocks	0
Positive flocks (SE,ST) - No of birds concerned - Adults	0
Positive flocks (SE,ST) - No of eggs - Heat treated	0
Positive flocks (SE,ST) - No of eggs - Destroyed	0

**Table E - FLOCKS OF FATTENING TURKEYS**

No of holdings with more than 500 fattening turkeys	50
No of flocks produced in these holdings	254
No of holdings covered by the programme	51
No of flocks produced in these holdings	255
No of flocks checked (official checks)	14
No of flocks checked (FBO checks)	248
No of official visits to take samples - Routine	15
No of official visits to take samples - Efficacy of disinfection	5
No of positive flocks (SE,ST)	3

**Table F - LABORATORY TESTS**

Laboratory tests on official samples	Nb of tests					
	Breeding flocks	Laying flocks	Broiler flocks	Breeding turkey flocks	Fattening turkey flocks	TOTAL
Microbiological tests	1,475	193	50	0	15	1,733
Serotyping tests	0	18	4	0	0	22
Disinfection efficacy tests	1	5	14	0	5	25
Antimicrobial detection tests	0	0	0	0	0	0

**Table G - VACCINATION**

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	No of flocks in the vaccination programme	No of flocks vaccinated	No of birds vaccinated	No of doses administered
<b>Breeders</b>	0	0	0	0
<b>Layers</b>	142	142	6,286,375	15,149,095
<b>Breeding turkeys</b>	0	0	0	0
	142	142	6,286,375	15,149,095

## COMMENT / ADDITIONAL CLARIFICATION

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