

About this dossier

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Eradication: Final report for Salmonella 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).

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ID: 20200415-MX6ROABC

Country code: PL

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.

Breeding flocks of Gallus gallus

At the territory of the Republic of Poland national programs of eradication of certain Salmonella serotypes in breeding flocks of Gallus gallus have been implemented since 2007. In 2019 the programme was implemented as a part of multiannual programme for 2017-2019.

Percentage of adult flocks with a positive result was as follows: 2007 - 3.26%, 2008 - 5.53%, 2009 - 2.61%, 2010 - 2.55%, 2011 - 1.74%, 2012 - 1.84%, 2013 - 1.73%, 2014 - 1.54%, 2015 - 1.38%, 2016 - 1.46%, 2017 - 0.82%, 2018 - 1.41%, 2019 - 1.55%.

Breeding flocks may spread Salmonella infection to their progeny, in particular to flocks of laying hens and broilers, so the programme is crucial part of control of Salmonella serotypes important for public health.

Laying hens

At the territory of the Republic of Poland national programs of eradication of certain Salmonella serotypes in laying flocks of Gallus gallus have been implemented since 2008. In 2019 the programme was implemented as a part of multiannual programme for 2019-2020.

Percentage of adult flocks with a positive result was as follows: 2008 - 9.36%, 2009 - 4.66%, 2010 - 4.48%, 2011 - 3.71%, 2012 - 2.84%, 2013 - 2.40%, 2014 - 1.90%, 2015 - 2.38%, 2016 - 7.15% (due to multinational outbreak of S.E.), 2017 - 3.41%, 2018 - 4.70%, 2019 - 3.83%.

Salmonellosis is the most often zoonotic illness, table eggs are main source of the disease in humans.

Broilers

At the territory of the Republic of Poland national programs of eradication of certain Salmonella serotypes in broiler flocks of Gallus gallus have been implemented since 2008. In 2019 the programme was implemented as a part of multiannual programme for 2017-2019.

Percentage of adult flocks with a positive result was as follows: 2009 - 0.66%, 2010 - 0.67%, 2011 - 0.49%, 2012 - 0.28%, 2013 - 0.19%, 2014 - 0.15%, 2015 - 0.23%, 2016 - 0.14%, 2017 - 0.13%, 2018 - 0.15%, 2019 - 0.17%.

Salmonellosis is the most often diagnosed zoonotic illness, therefore implementation of the program shall reduce the quantity of human infections and consequently it shall reduce costs of medical treatment of these diseases. In addition, achievement of the EU target consisting in limiting the number of infected flocks of broilers shall increase competitiveness of the Polish poultry and poultry meat at the community market as well as at the third countries markets.

Breeding turkeys

At the territory of the Republic of Poland national programs of eradication of certain Salmonella serotypes in breeding turkeys have been implemented since 2010. In 2019 the programme was implemented as a part of multiannual programme for 2017-2019. There were no positive flocks since 2013. Breeding flocks may spread Salmonella infection to their progeny, so the programme is crucial part of control of Salmonella serotypes important for public health.

Fattening turkeys

At the territory of the Republic of Poland national programs of eradication of certain Salmonella serotypes in fattening turkeys have been implemented since 2010. In 2019 the programme was implemented as a part of multiannual programme for 2019 - 2021.

Percentage of adult flocks with a positive result was as follows: 2010 - 0.70%, 2011 - 0.45%, 2012 - 0.29%, 2013 - 0.27%, 2014 - 0.31%, 2015 - 0.16%, 2016 - 0.12%, 2017 - 0.03%; 2018 - 0.10%, 2019 - 0.06%.

Salmonellosis is the most often diagnosed zoonotic illness, therefore implementation of the program shall reduce the quantity of human infections and consequently it shall reduce costs of medical treatment of these diseases. In addition, achievement of the EU target consisting in limiting the number of infected flocks of fattening turkeys shall increase competitiveness of the Polish poultry and poultry meat at the community market as well as at the third countries markets.

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

Breeding flocks of Gallus gallus

The programme covered all breeding flocks of Gallus gallus (2760 flocks / 1999 adult flocks). In 2019, 34 positive flocks were noted in 11 out of 16 regions (31 were adult flocks). Prevalence in all breeding flocks was 1.23% while in adult breeding flocks 1.55%.

Laying hens

The programme covered all laying flocks of Gallus gallus except direct sale and for own use (2955 flocks / 2451 adult flocks). The year 2014 was the only one when the target established in regulation 517/2011 was achieved. In 2019 positive flocks were noted in 14 out of 16 regions (the most cases in mazowieckie region - 23 positive flocks and wielkopolskie region - 15 positive flocks). Prevalence in all laying flocks was 3.48% while in adult laying flocks 3.83%.

Broilers

In 2019, 44 320 broiler flocks were checked. Prevalence in broiler flocks was 0.17%.

Breeding turkeys

In 2019, the programme covered all breeding turkeys (260 flocks / 200 adult flocks). The prevalence of Salmonella serotypes covered by the programme in all and in adult breeding turkeys was 0%.

Fattening turkeys

In 2019, 7021 fattening turkey flocks were checked. Prevalence in fattening turkeys was 0.06%.

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 of Gallus gallus

The S. Enteritidis was isolated in 32 flocks, the S. Typhimurium monophasic was found in 1 flock and S. Hadar in 1 flock. While S. Virchow, S. Infantis were not found.

Laying hens

Salmonella Enteritidis in laying flocks was found in 97 flocks (88 adult flocks), whereas S. Typhimurium in 4 adult flocks and S. Typhimurium monophasic in 1 adult flock.

Broilers

Positive results for Salmonella were found in 77 flocks (S. Enteritidis - 74, S. Typhimurium - 2, inhibitory effect - 1).

Fattening turkeys

Positive results for Salmonella were found in 4 flocks (4 S. Enteritidis, 0 S. Typhimurium).

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 | 1,995 | 31 | 1.55 % |
| Laying hen flocks | 2,430 | 93 | 3.83 % |
| Broiler flocks | 44,320 | 77 | 0.17 % |
| Breeding flocks of turkeys | 200 | 0 | 0 % |
| Fattening flocks of turkeys | 7,021 | 4 | 0.06 % |

Table A - BREEDING FLOCKS OF GALLUS GALLUS

| | |
|---------------------------------------------------------------------------------------|-----------|
| No of flocks with more than 250 adult breeders of Gallus gallus | 1,999 |
| No of flocks covered by the programme - Rearing flocks | 761 |
| No of flocks covered by the programme - Adults | 1,999 |
| No of flocks checked by the Competent Authorities - Rearing flocks | 4 |
| No of flocks checked by the Competent Authorities - Adults | 1,842 |
| No of flocks checked by the FBO - Rearing flocks | 983 |
| No of flocks checked by the FBO - Adults | 1,990 |
| No of official visits to take samples - Routine (holding) | 3,513 |
| No of official visits to take samples - Routine (hatchery) | 0 |
| No of official visits to take samples - Confirmatory sampling | 6 |
| No of official visits to take samples - Efficacy of disinfection | 37 |
| Positive flocks (SE,ST,SH,SI,SV) - No of positive flocks - Rearing flocks | 3 |
| Positive flocks (SE,ST,SH,SI,SV) - No of positive flocks - Adults | 31 |
| Positive flocks (SE,ST,SH,SI,SV) - No of positive flocks depopulated - Rearing flocks | 3 |
| Positive flocks (SE,ST,SH,SI,SV) - No of positive flocks depopulated - Adults | 30 |
| Positive flocks (SE,ST,SH,SI,SV) - No of birds concerned - Rearing flocks | 24,648 |
| Positive flocks (SE,ST,SH,SI,SV) - No of birds concerned - Adults | 255,603 |
| Positive flocks (SE,ST,SH,SI,SV) - No of eggs - Heat treated | 3,978 |
| Positive flocks (SE,ST,SH,SI,SV) - No of eggs - Destroyed | 2,246,450 |

Table B - FLOCKS OF LAYING HENS

| | |
|------------------------------------------------------------|-------|
| No of holdings with more than 1,000 adult laying hens | 819 |
| No of flocks in these holdings - Rearing flocks | 116 |
| No of flocks in these holdings - Adults | 2,252 |
| No of holdings covered by the programme | 1,136 |
| No of flocks in these holdings - Rearing flocks | 504 |
| No of flocks in these holdings - Adults | 2,451 |
| Official checks - No of holdings with adult flocks checked | 780 |

| | |
|------------------------------------------------------------------------------|-----------|
| Official checks - No of adult flocks checked in these holdings | 1,557 |
| Official checks - No of pullet flocks checked in these holdings | 47 |
| FBO checks - No of holdings checked | 1,125 |
| FBO checks - No of adult flocks checked in these holdings | 2,407 |
| FBO checks - No of pullet flocks checked in these holdings | 504 |
| No of official visits to take samples - Routine | 1,451 |
| No of official visits to take samples - Confirmatory sampling | 9 |
| No of official visits to take samples - Specific samples | 236 |
| No of official visits to take samples - Competent authority samples | 24 |
| No of official visits to take samples - Efficacy of disinfection | 85 |
| Positive flocks (SE,ST) - No of positive flocks - Rearing flocks | 9 |
| Positive flocks (SE,ST) - No of positive flocks - Adults | 93 |
| Positive flocks (SE,ST) - No of positive flocks depopulated - Rearing flocks | 7 |
| Positive flocks (SE,ST) - No of positive flocks depopulated - Adults | 79 |
| Positive flocks (SE,ST) - No of birds concerned - Rearing flocks | 52,399 |
| Positive flocks (SE,ST) - No of birds concerned - Adults | 1,305,523 |
| Positive flocks (SE,ST) - No of eggs - Destroyed | 943,696 |

Table C - BROILER FLOCKS

| | |
|------------------------------------------------------------------|--------|
| No of holdings with more than 5,000 broilers | 3,966 |
| No of flocks produced in these holdings | 45,245 |
| No of holdings covered by the programme | 4,035 |
| No of flocks produced in these holdings | 45,560 |
| No of flocks checked (official checks) | 810 |
| No of flocks checked (FBO checks) | 43,894 |
| No of official visits to take samples - Routine | 695 |
| No of official visits to take samples - Efficacy of disinfection | 59 |
| No of positive flocks (SE,ST) | 77 |

Table D - BREEDING FLOCKS OF TURKEY

| | |
|------------------------------------------------------------------------------|-----|
| No of flocks with more than 250 adult breeding turkeys | 200 |
| No of flocks with elite, great grand parent, grand parents | 0 |
| No of flocks covered by the programme - Rearing flocks | 60 |
| No of flocks covered by the programme - Adults | 200 |
| No of flocks checked by the Competent Authorities - Rearing flocks | 0 |
| No of flocks checked by the Competent Authorities - Adults | 130 |
| No of flocks checked by the FBO - Rearing flocks | 71 |
| No of flocks checked by the FBO - Adults | 200 |
| No of official visits to take samples - Routine (holding) | 130 |
| 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 | 1,125 |
| No of flocks produced in these holdings | 7,904 |
| No of holdings covered by the programme | 1,145 |
| No of flocks produced in these holdings | 7,936 |
| No of flocks checked (official checks) | 149 |
| No of flocks checked (FBO checks) | 6,855 |
| No of official visits to take samples - Routine | 147 |
| No of official visits to take samples - Efficacy of disinfection | 6 |
| No of positive flocks (SE,ST) | 4 |

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 | 7,038 | 4,383 | 820 | 260 | 149 | 12,650 |
| Serotyping tests | 73 | 296 | 114 | 0 | 4 | 487 |
| Disinfection efficacy tests | 185 | 85 | 232 | 0 | 24 | 526 |
| Antimicrobial detection tests | 0 | 0 | 0 | 0 | 0 | 0 |

Table G - VACCINATION

| | No of flocks in the vaccination programme | No of flocks vaccinated | No of birds vaccinated | No of doses administered |
|------------------|-------------------------------------------|-------------------------|------------------------|--------------------------|
| Breeders | 0 | 0 | 0 | 0 |
| Layers | 0 | 0 | 0 | 0 |
| Breeding turkeys | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 |

COMMENT / ADDITIONAL CLARIFICATION