Immediate notification report

Report reference: REF OIE 30678, Report Date: 31/05/2019, Country: Brazil

Report Summary

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Date submitted to OIE: 31/05/2019

Animal type: Terrestrial
Disease: Bovine spongiform encephalopathy
Causal Agent: Prion (atypical H-type BSE)
Reason: Recurrence of a listed disease

Country or zone: the whole country

Date of report: 31/05/2019
Date of start of the event: 05/04/2019
Date of confirmation of the event: 31/05/2019
Date of last occurrence: 02/05/2014

Reason: Recurrence of a listed disease

Number of reported outbreaks: submitted= 1, Draft= 0

Outbreak details

Province: Mato Grosso - (this report - submitted)
District: Nova Canaã do Norte
Sub-district: Farm
Location: Esplanada dos Ministérios, Bloco D, Anexo A - sala 334 Brasília
Lat/Lon: 10.6938888889, -55.8705277778
Start Date: 05/04/2019
End Date: 05/04/2019

Species: Cattle
Measuring units: Animals
Susceptible: 22794
Cases: 1
Deaths: 0
Killed and disposed of: 1
Slaughtered: 0

Epidemiology

Epidemiological comments:
As part of the Brazilian surveillance system for Bovine Spongiform Encephalopathy (BSE), a 17-year-old beef cow that was found fallen during an ante-mortem inspection at slaughter was confirmed as a case of 'atypical BSE' classified as H-type.

After screening tests performed by the National Laboratory of Pernambuco LFDA/PE indicated the presence of prion antigens, the samples were sent to CFIA's OIE BSE reference laboratory in Lethbridge, Alberta, and the confirmation diagnostic test was concluded on 31 May 2019. This is the third case of 'atypical BSE' identified in more than 20 years of surveillance in Brasil. The last case has been detected in 2014.

Specified Risk Material was duly removed and incinerated at the slaughterhouse. Meat and other products from this animal did not enter the food chain and pose no risk for human and ruminants populations.

According to the OIE Terrestrial Code, for the purposes of official BSE risk status recognition, 'atypical BSE' is a condition believed to occur spontaneously in all cattle populations at a very low rate. Therefore, this event does not have any influence on official BSE risk status recognition of Brasil.

This investigation was concluded.

Source of the outbreak(s) or origin of infection
• Unknown or inconclusive

Measures applied

• screening
• traceability
• quarantine
• official disposal of carcasses, by-products and waste
• selective killing and disposal

Animals treated
Vaccination Prohibited
No

Diagnostic test results

Laboratory Type: National laboratory
Name of Laboratory: Laboratórios Federais de Defesa Agropecuária - LFDA Pernambuco
Species: Cattle
Test Type: enzyme-linked immunosorbent assay (ELISA)
Date results provided: 31/05/2019
Result: Positive

Printed on: Mon Jun 3 11:04:19 AST 2019
<table>
<thead>
<tr>
<th>Laboratory Type</th>
<th>Name of Laboratory</th>
<th>Species</th>
<th>Test Type</th>
<th>Date results provided</th>
<th>Result</th>
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<tbody>
<tr>
<td>OIE Reference Laboratory</td>
<td>CFIA's laboratory in Lethbridge, Alberta, Canada</td>
<td>Cattle</td>
<td>enzyme-linked immunosorbent assay (ELISA)</td>
<td>31/05/2019</td>
<td>Positive</td>
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<tr>
<td>OIE Reference Laboratory</td>
<td>CFIA's laboratory in Lethbridge, Alberta, Canada</td>
<td>Cattle</td>
<td>western blot</td>
<td>31/05/2019</td>
<td>Positive</td>
</tr>
</tbody>
</table>

**Future Reporting**

The report and all its outbreaks have been resolved.