Immediate notification report  

Report Summary

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Date submitted to OIE  
18/02/2015

Animal type  
Terrestrial

Disease  
Bovine spongiform encephalopathy

Causal Agent  
C-type BSE (classical)

Reason  
Reoccurrence of a listed disease

Country or zone  
a zone or compartment

Disease  
Bovine spongiform encephalopathy

Date of start of the event  
04/02/2015

Date of pre-confirmation of the event  
07/02/2015

Date of last occurrence  
02/2011

Country or zone  
a zone or compartment

Diagnosis  
Laboratory (advanced)

Date of report  
18/02/2015

Outbreak details

Province  
ALBERTA- (this report - submitted)

Number of outbreaks  
submitted= 1, Draft= 0

Country or zone  
a zone or compartment

Number of outbreaks

Species  
Cattle

District  
Farm

Sub-district  
Edmonton

Location  
Latitude  
53.55014

Longitude  
-113.46871

Start Date  
04/02/2015

End Date:  

Species  
Cattle

Measuring units  
Animals

Susceptible  
Cases  
Deaths  
Destroyed  
Slaughtered

Affected Population  
2015-ALB-01

Cow-calf herd. The number of susceptible animals represents the equivalent risk animals (investigation underway).

Outbreak summary: Total outbreaks = 1 (Submitted)

Species  
Cattle

Susceptible  
Cases  
Deaths  
Destroyed  
Slaughtered

Epidemiology

Epidemiological comments

On 4 February 2015, a private veterinarian visited a farm reporting a downer (non-ambulatory) cow and took samples as part of the national surveillance program for BSE in Canada. Rapid tests conducted at the provincial laboratory in Edmonton, Alberta were non-negative which was reported to Canadian Food Inspection Agency (CFIA) on 7 February 2015. These results were confirmed by CFIA's OIE BSE reference laboratory in Lethbridge, Alberta on 11 February 2015 as a classical case of BSE.

The carcass was held and did not enter the human food or animal feed chains. The ongoing investigation has identified the herd of origin and the cow's birth date of March 2009. Movement controls and quarantines have been put in place pending completion of the investigation.

The detection of a BSE case in Canada underscores the ongoing effectiveness of Canada's robust targeted BSE surveillance program. Canada continues to have in place an enhanced feed ban that includes strict controls for the exclusion of specified risk materials from the entire animal feed chain and fertilizers.

Source of the outbreak(s) or origin of infection

• Unknown or inconclusive

Measures applied

Applied  
• stamping out  
• quarantine  
• screening

To be applied  
• no planned control measures

Animals treated

Vaccination Prohibited

Diagnostic test results

Laboratory Type  
OIE’s Reference Laboratory (CFIA-Lethbridge)

Name of Laboratory  
BSE Reference Laboratory

Species  
Cattle

Test Type  
western blot

Date Results Provided  
11/02/2015

Result  
Positive
<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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</thead>
<tbody>
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<td>OIE’s Reference Laboratory</td>
<td>BSE Reference Laboratory (CFIA-Lethbridge)</td>
<td>Cattle</td>
<td>rapid tests</td>
<td>10/02/2015</td>
<td>Positive</td>
</tr>
<tr>
<td>OIE’s Reference Laboratory</td>
<td>BSE Reference Laboratory (CFIA-Lethbridge)</td>
<td>Cattle</td>
<td>antigen (Ag) detection ELISA</td>
<td>10/02/2015</td>
<td>Positive</td>
</tr>
<tr>
<td>Local laboratory</td>
<td>Alberta Agriculture and Rural Development</td>
<td>Cattle</td>
<td>antigen (Ag) detection ELISA</td>
<td>07/02/2015</td>
<td>Positive</td>
</tr>
</tbody>
</table>

Future Reporting

The event is continuing. Weekly follow-up reports will be submitted.

Outbreak maps

[Map of North America with a red dot indicating a location]

Legend:
- Continuing (domestic)
- International Boundaries
- Administrative Boundaries