Immediate notification report
Report reference:  REF OIE 15288, Report Date: 21/05/2014, Country : Mexico

Report Summary

Name of sender of the report: Dr Joaquín Braulio Delgadillo Álvarez
Position: Director General de Salud Animal
Telephone: +52 55 59 05 10 00
Fax:
Address: Avenida Cuauhtémoc N° 1230 - Piso 9
Colonia Santa Cruz Atoyac
Delegación Benito Juárez
CP 03310
México DF Mexico
Email: joaquin.delgadillo@senasica.gob.mx
Date submitted to OIE: 21/05/2014

Animal type: Terrestrial
Date of report: 21/05/2014
Causal Agent: Porcine epidemic diarrhea virus
Date of start of the event: 30/07/2013
Serotype(s): Other
Date of pre-confirmation of the event: 08/08/2013
Reason: Emerging disease
Disease Name: *Porcine epidemic diarrhea virus* (*Disease not listed*)
Number of reported outbreaks: submitted= 83, Draft= 0

Disease Impact

Units for morbidity and mortality:
Morbidity
Mortality
Zoonotic potential
qual
3
2

Outbreak details

<table>
<thead>
<tr>
<th>Estado</th>
<th>Municipio</th>
<th>Localidad</th>
<th>Unit Type</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start Date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEXICO- (this report - submitted) - Outbreak cluster</td>
<td></td>
<td></td>
<td>Farm</td>
<td>Aguascalientes, Baja California, Colima, Federal District, Guanajuato, Guerrero, Jalisco, State of Mexico, Michoacán, Morelos, Nuevo León, Puebla, Querétaro, Sinaloa, Sonora, Tlaxcala and Veracruz</td>
<td>20.385025</td>
<td>-102.080422</td>
<td>30/07/2013</td>
<td></td>
</tr>
</tbody>
</table>

Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Swine</td>
<td>Animals</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

Affected Population

Outbreak summary: Total outbreaks = 83 (Submitted)

Species | Susceptible | Cases | Deaths | Destroyed | Slaughtered |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Swine</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Epidemiology

Epidemiological comments
Following notification of an unusual mortality, mainly in piglets, in the central-western part of the country, with clinical evidence suggestive of porcine epidemic diarrhea virus, the official Veterinary Services in coordination with farmers began a diagnosis of the situation of this disease that included epidemiological sampling in farrow-to-finish farms, fattening farms, breeding farms, backyard farms and slaughterhouses with clinical evidence. During the epidemiological investigation, 2,309 samples were tested with RRT-PCR in 19 federal entities between August 2013 and May 2014. Out of the total number of samples, only 30% were positive for porcine epidemic diarrhea and 70% were negative, which suggests that there may be some other etiological agent involved in this event, being a multicausal process. It should be noted that, to date, it has not been possible to isolate the virus and that the States where positive cases were identified by RRT-PCR are: Aguascalientes, Baja California, Colima, Federal District, Guanajuato, Guerrero, Jalisco, State of Mexico, Michoacán, Morelos, Nuevo León, Puebla, Querétaro, Sinaloa, Sonora, Tlaxcala and Veracruz. Samples from the States of Yucatán and of Oaxaca were negative for the disease.

Source of the outbreak(s) or origin of infection
• Legal movement of animals

Measures applied

Printed on: Thu May 22 11:52:16 CEST 2014
### Applied

- screening
- disinfection of infected premises/establishment(s)
- modified stamping out

### To be applied

- screening
- disinfection of infected premises/establishment(s)
- modified stamping out

### Animals treated

<table>
<thead>
<tr>
<th>Vaccination Prohibited</th>
<th>Treatment Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>symptomatic treatment</td>
</tr>
</tbody>
</table>

### Diagnostic test results

<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>
</tr>
</thead>
<tbody>
<tr>
<td>National laboratory</td>
<td>Biosecurity Laboratory Level 3, SENASICA</td>
<td>Swine</td>
<td>real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)</td>
<td>08/08/2013</td>
<td>Positive</td>
</tr>
</tbody>
</table>

### Future Reporting

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