

## Immediate notification report

Report reference: REF OIE 24622, Report Date: 22/08/2017, Country : Nepal

### Report Summary

|                                     |                               |                              |                           |
|-------------------------------------|-------------------------------|------------------------------|---------------------------|
| <b>Name of sender of the report</b> | Dr Bimal Kumar Nirmal         | <b>Telephone</b>             | +977 5522056              |
| <b>Position</b>                     | Doctor                        | <b>Fax</b>                   | +977 1 55 42 915          |
| <b>Address</b>                      | Department of Livestock       | <b>Email</b>                 | bknirmal2001@yahoo.com    |
|                                     | Services                      | <b>Entered by</b>            | Monsieur Florent Taconnet |
|                                     | Hariharbhawan, Lalitpur NEPAL | <b>Date submitted to OIE</b> | 23/08/2017                |

|                                     |   |  |   |
|-------------------------------------|---|--|---|
| <b>Animal type</b>                  | Terrestrial                                   | <b>Date of report</b>                    | 22/08/2017  |
| <b>Disease</b>                      | Foot and mouth disease                        | <b>Date of start of the event</b>        | 02/04/2017  |
| <b>Causal Agent</b>                 | Foot and mouth disease virus (lineage G-VII)  | <b>Date of confirmation of the event</b> | 06/04/2017  |
| <b>Serotype(s)</b>                  | A   | <b>Diagnosis</b>                         | Clinical, Laboratory (basic), Laboratory (advanced) |
| <b>Reason</b>                       | New strain of a listed disease in the country | <b>Clinical signs</b>                    | Yes   |
| <b>Country or zone</b>              | the whole country                             |  |   |
| <b>Number of reported outbreaks</b> | submitted= 1, Draft= 0                        |  |   |

### Outbreak details

| a zone or compartment               | Number of outbreaks  | District    | Village    | Unit Type | Location               | Latitude    | Longitude | Start Date | End Date:  |
|-------------------------------------|--|-------------|------------|-----------|------------------------|-------------|-----------|------------|------------|
| NARAYANI- (this report - submitted) | -  | Chitwon     | Bharatpur4 | Village   | Chitwon                | 27.67464    | 84.41927  | 02/04/2017 | 03/05/2017 |
| Species                             | Measuring units  | Susceptible | Cases      | Deaths    | Killed and disposed of | Slaughtered |           |            |            |
| Buffaloes                           | Animals  | 3           | 3          | 0         | 0                      | 0           |           |            |            |
| Cattle                              | Animals  | 17          | 17         | 0         | 0                      | 0           |           |            |            |
| Affected Population                 | Cattle and buffaloes reared in semi commercial small holder farms of Bharatpur 4, chitwon were affected. |             |            |           |                        |             |           |            |            |

### Outbreak summary: Total outbreaks = 1 (Submitted)

| Species   | Susceptible | Cases | Deaths | Killed and disposed of | Slaughtered |
|-----------|-------------|-------|--------|------------------------|-------------|
| Buffaloes | 3           | 3     | 0      | 0                      | 0           |
| Cattle    | 17          | 17    | 0      | 0                      | 0           |

### Epidemiology

#### Epidemiological comments

15% of young (1-1.5 years old) and 85% of adult (3-5 years old) cross breed cattle and buffaloes of four farms were affected with typical signs and symptoms of foot-and-mouth disease (FMD) such as high fever, drooling of saliva, champing of jaws, lameness, off feed, lesions on tongue. All the cattle and buffaloes in the village were affected; however there was no mortality observed even in the young ones. The animals have not been vaccinated against FMD since few years in these farms. There was a buffalo collection and selling center 100 meters close to the village. There was a collection of buffaloes from different neighboring districts and international bordering districts. Further investigation is ongoing.

#### Source of the outbreak(s) or origin of infection

- Illegal movement of animals
- Unknown or inconclusive

### Measures applied

| Applied  | To be applied   |
|--|---|
| <ul style="list-style-type: none"> <li>• movement control inside the country</li> <li>• surveillance outside containment and/or protection zone</li> <li>• surveillance within containment and/or protection zone</li> <li>• quarantine</li> <li>• disinfection</li> </ul> | <ul style="list-style-type: none"> <li>• no planned control measures</li> </ul> |
| <b>Animals treated</b>   | <b>Vaccination Prohibited</b>   |
| No   | No  |

### Diagnostic test results

| Laboratory Type          | Name of Laboratory                  | Species | Test Type  | Date results provided | Result   |
|--------------------------|-------------------------------------|---------|------------|-----------------------|----------|
| OIE Reference Laboratory | Pirbright Institute, United Kingdom | Cattle  | serotyping | 14/08/2017            | Positive |

| Laboratory Type          | Name of Laboratory  | Species   | Test Type                       | Date results provided | Result   |
|--------------------------|---|-----------|---------------------------------|-----------------------|----------|
| OIE Reference Laboratory | Pirbright Institute, United Kingdom   | Cattle    | gene sequencing                 | 14/08/2017            | Positive |
| National laboratory      | National foot-and-mouth disease and transboundary animal diseases Laboratory, Kathmandu | Cattle    | polymerase chain reaction (PCR) | 06/04/2017            | Positive |
| National laboratory      | National foot-and-mouth disease and transboundary animal diseases Laboratory, Kathmandu | Cattle    | serotyping                      | 06/04/2017            | Positive |
| National laboratory      | National foot-and-mouth disease and transboundary animal diseases Laboratory, Kathmandu | Buffaloes | polymerase chain reaction (PCR) | 06/04/2017            | Positive |

### Future Reporting

The report and all its outbreaks have been resolved.

## Outbreak maps

