

Follow-up report No.: 5

Report reference: , OIE Ref: 4531 , Report Date: 27/10/2006, Country: South Africa

Report Summary

| | | | |
|--------------------------------------|---|-------------------------------------|---|
| Disease | Highly pathogenic avian influenza | Animal type | Terrestrial |
| Causal Agent | Highly pathogenic avian influenza virus | Serotype(s) | H5N2 |
| Clinical Signs | Yes | Reason | Reoccurrence of listed disease |
| Date of confirmation of Event | 29/06/2006 | Date of Start of Event | 19/06/2006 |
| Date of report | 27/10/2006 | Diagnosis | Clinical, Laboratory (advanced), Necropsy |
| Date of last occurrence | 2005 | Number of reported outbreaks | Submitted= 24, Draft= 0 |
| Name of Sender of the report | Mr Bothle Michael Modisane | Address | Private Bag X250 PRETORIA |
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| Entered by | Mme Maria Cristinna Ramirez | | |

Outbreak (other report - submitted)

| Province | District | Sub-district | Unit Type | Location | Latitude | Longitude | Start | End |
|----------------------------|-----------------|--------------|-----------|---------------------------|-----------|-------------|------------|------------|
| WESTERN CAPE PROVINCE | Calitzdorp | | Farm | Goedeverwagting / Die Dam | -33,61 | 21,69 | 19/06/2006 | 26/07/2006 |
| Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered | | |
| Birds | Animals | ... | 0 | 0 | 0 | 0 | | |
| Affected Population | | | | | | | | |

Outbreak (other report - submitted)

| Province | District | Sub-district | Unit Type | Location | Latitude | Longitude | Start | End |
|----------------------------|-----------------|--------------|-----------|-----------------|-----------|-------------|------------|------------|
| WESTERN CAPE PROVINCE | Calitzdorp | | Farm | Goedeverwagting | -33,6088 | 21,6877 | 19/06/2006 | 26/07/2006 |
| Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered | | |
| Birds | Animals | ... | 0 | 0 | 0 | 0 | | |
| Affected Population | | | | | | | | |

Outbreak (other report - submitted)

| Province | District | Sub-district | Unit Type | Location | Latitude | Longitude | Start | End |
|-----------------------|-----------------|--------------|-----------|----------|-----------|-------------|------------|------------|
| WESTERN CAPE PROVINCE | Calitzdorp | | Farm | GamkaOos | -33,56 | 21,7 | 19/06/2006 | 26/07/2006 |
| Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered | | |
| Birds | Animals | ... | 0 | 0 | 0 | 0 | | |

Affected Population

As a result of intensive surveillance since July 2006, notifiable avian influenza-seropositive results were obtained from the abovementioned farms. No clinical signs attributable to notifiable avian influenza were observed on these farms. All PCR and virus isolation results were negative, except for a virus isolated from ostriches on the farm Boplaas (Homestead) (see diagnosis table below).

Outbreak (other report - submitted)

| Province | District | Sub-district | Unit Type | Location | Latitude | Longitude | Start | End |
|-----------------------|-----------------|--------------|-----------|--------------|-----------|-------------|------------|------------|
| WESTERN CAPE PROVINCE | Riversdale | | Farm | Sandofontein | -33,6528 | 20,5943 | 19/06/2006 | 26/07/2006 |
| Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered | | |
| Birds | Animals | ... | ... | ... | 7284 | ... | | |

Affected Population

Only 1 additional seropositive farm (with 2 seropositive epidemiological groups), situated immediately adjacent to the index farm, was detected in the 10-km-radius zone. This finding indicates that all these 3 epidemiological units (index farm and 2 epidemiological units on the adjacent farm) have been exposed to the same risk factors, probably related to clustering of wild birds at the nearby river confluence - rather than being indicative of aerial spread.

Outbreak (other report - submitted)

| Province | District | Sub-district | Unit Type | Location | Latitude | Longitude | Start | End |
|-----------------------|-----------------|--------------|-----------|------------|-----------|-------------|------------|------------|
| WESTERN CAPE PROVINCE | Calitzdorp | | Farm | Kruisriver | -33,4308 | 21,8911 | 19/06/2006 | 26/07/2006 |
| Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered | | |
| Birds | Animals | ... | 0 | 0 | 0 | 0 | | |

Affected Population

Outbreak (other report - submitted)

| Province | District | Sub-district | Unit Type | Location | Latitude | Longitude | Start | End |
|-----------------------|-----------------|--------------|-----------|--------------|-----------|-------------|------------|------------|
| WESTERN CAPE PROVINCE | Oudsthoorn | | Farm | Oude Muragie | -33,4811 | 22,4747 | 19/06/2006 | 26/07/2006 |
| Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered | | |
| Birds | Animals | ... | 0 | 0 | 0 | 0 | | |

Affected Population

Outbreak (other report - submitted)

| Province | District | Sub-district | Unit Type | Location | Latitude | Longitude | Start | End |
|-----------------------|-----------------|--------------|-----------|--------------|-----------|-------------|------------|------------|
| WESTERN CAPE PROVINCE | Oudsthoorn | | Farm | Van Wyskraal | -33,5661 | 22,3716 | 19/06/2006 | 26/07/2006 |
| Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered | | |
| Birds | Animals | ... | 0 | 0 | 0 | 0 | | |

Affected Population

Outbreak (other report - submitted)

| Province | District | Sub-district | Unit Type | Location | Latitude | Longitude | Start | End |
|-----------------------|-----------------|--------------|-----------|-------------|-----------|-------------|------------|------------|
| WESTERN CAPE PROVINCE | Oudshoorn | | Farm | Voorbedacht | -33,3833 | 22,3716 | 19/06/2006 | 26/07/2006 |
| Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered | | |
| Birds | Animals | ... | 0 | 0 | 0 | 0 | | |
| Affected Population | | | | | | | | |

Outbreak (other report - submitted)

| Province | District | Sub-district | Unit Type | Location | Latitude | Longitude | Start | End |
|-----------------------|-----------------|--------------|-----------|-----------|-----------|-------------|------------|------------|
| WESTERN CAPE PROVINCE | Oudshoorn | | Farm | Waaikraal | -33,5836 | 22,3755 | 19/06/2006 | 26/07/2006 |
| Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered | | |
| Birds | Animals | ... | ... | ... | ... | ... | | |
| Affected Population | | | | | | | | |

Outbreak (other report - submitted)

| Province | District | Sub-district | Unit Type | Location | Latitude | Longitude | Start | End |
|-----------------------|-----------------|--------------|-----------|----------|-----------|-------------|------------|------------|
| WESTERN CAPE PROVINCE | Oudshoorn | | Farm | Lushof | -33,4666 | 22,2333 | 19/06/2006 | 26/07/2006 |
| Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered | | |
| Birds | Animals | ... | 0 | 0 | 0 | 0 | | |
| Affected Population | | | | | | | | |

Outbreak (other report - submitted)

| Province | District | Sub-district | Unit Type | Location | Latitude | Longitude | Start | End |
|-----------------------|-----------------|--------------|-----------|-------------|-----------|-------------|------------|------------|
| WESTERN CAPE PROVINCE | Oudshoorn | | Farm | Klein Karoo | -33,6166 | 22,25 | 19/06/2006 | 26/07/2006 |
| Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered | | |
| Birds | Animals | ... | 0 | 0 | 0 | 0 | | |
| Affected Population | | | | | | | | |

Outbreak (other report - submitted)

| Province | District | Sub-district | Unit Type | Location | Latitude | Longitude | Start | End |
|-----------------------|-----------------|--------------|-----------|----------|-----------|-------------|------------|------------|
| WESTERN CAPE PROVINCE | Oudshoorn | | Farm | Kamwyn | -33,64 | 22,33 | 19/06/2006 | 26/07/2006 |
| Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered | | |
| Birds | Animals | ... | 0 | 0 | 0 | 0 | | |
| Affected Population | | | | | | | | |

Outbreak (other report - submitted)

| Province | District | Sub-district | Unit Type | Location | Latitude | Longitude | Start | End |
|-----------------------|------------|--------------|-----------|-------------|----------|-----------|------------|------------|
| WESTERN CAPE PROVINCE | Riversdale | | Farm | Vetterivier | -33,1 | 24,4 | 19/06/2006 | 26/07/2006 |

| Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered |
|---------------------|-----------------|-------------|-------|--------|-----------|-------------|
| Birds | Animals | ... | 0 | 0 | 0 | 0 |
| Affected Population | | | | | | |

Outbreak (other report - submitted)

| Province | District | Sub-district | Unit Type | Location | Latitude | Longitude | Start | End |
|-----------------------|-----------------|--------------|-----------|----------|-----------|-------------|------------|------------|
| WESTERN CAPE PROVINCE | Oudtshoorn | | Farm | Boplaas | -33,6402 | 22,3255 | 19/06/2006 | 26/07/2006 |
| Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered | | |
| Birds | Animals | ... | 0 | 0 | 0 | 0 | | |
| Affected Population | | | | | | | | |

Outbreak (other report - submitted)

| Province | District | Sub-district | Unit Type | Location | Latitude | Longitude | Start | End |
|-----------------------|-----------------|--------------|-----------|----------|-----------|-------------|------------|------------|
| WESTERN CAPE PROVINCE | Mossel Bay | | Farm | Dagbreek | -34,2547 | 21,8852 | 19/06/2006 | 26/07/2006 |
| Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered | | |
| Birds | Animals | ... | 0 | 0 | 0 | 0 | | |
| Affected Population | | | | | | | | |

Outbreak (other report - submitted)

| Province | District | Sub-district | Unit Type | Location | Latitude | Longitude | Start | End |
|-----------------------|-----------------|--------------|-----------|-----------|-----------|-------------|------------|------------|
| WESTERN CAPE PROVINCE | Heidelberg | | Farm | Parklands | -34,3611 | 20,7724 | 19/06/2006 | 26/07/2006 |
| Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered | | |
| Birds | Animals | ... | 0 | 0 | 0 | 0 | | |
| Affected Population | | | | | | | | |

Outbreak (other report - submitted)

| Province | District | Sub-district | Unit Type | Location | Latitude | Longitude | Start | End |
|-----------------------|-----------------|--------------|-----------|----------|-----------|-------------|------------|------------|
| WESTERN CAPE PROVINCE | Heidelberg | | Farm | Morelig | -34,1975 | 20,8916 | 19/06/2006 | 26/07/2006 |
| Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered | | |
| Birds | Animals | ... | 0 | 0 | 0 | 0 | | |
| Affected Population | | | | | | | | |

Outbreak (other report - submitted)

| Province | District | Sub-district | Unit Type | Location | Latitude | Longitude | Start | End |
|-----------------------|-----------------|--------------|-----------|--------------|-----------|-------------|------------|------------|
| WESTERN CAPE PROVINCE | Heidelberg | | Farm | Kransriver 2 | -34,1472 | 21,0263 | 19/06/2006 | 26/07/2006 |
| Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered | | |
| Birds | Animals | ... | 0 | 0 | 0 | 0 | | |

Affected Population

Outbreak (other report - submitted)

| Province | District | Sub-district | Unit Type | Location | Latitude | Longitude | Start | End |
|-----------------------|-----------------|--------------|-----------|-----------|-----------|-------------|------------|------------|
| WESTERN CAPE PROVINCE | Heidelberg | | Farm | Groostrup | -34,1833 | 20,9166 | 19/06/2006 | 26/07/2006 |
| Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered | | |
| Birds | Animals | ... | 0 | 0 | 0 | 0 | | |
| Affected Population | | | | | | | | |

Outbreak (other report - submitted)

| Province | District | Sub-district | Unit Type | Location | Latitude | Longitude | Start | End |
|-----------------------|-----------------|--------------|-----------|-----------|-----------|-------------|------------|------------|
| WESTERN CAPE PROVINCE | George | | Farm | Ezeljacht | -33,8175 | 22,575 | 19/06/2006 | 26/07/2006 |
| Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered | | |
| Birds | Animals | ... | 0 | 0 | 0 | 0 | | |
| Affected Population | | | | | | | | |

Outbreak (other report - submitted)

| Province | District | Sub-district | Unit Type | Location | Latitude | Longitude | Start | End |
|-----------------------|-----------------|--------------|-----------|-----------|-----------|-------------|------------|------------|
| WESTERN CAPE PROVINCE | Calitzdorp | | Farm | Welgerust | -33,6 | 21,68 | 19/06/2006 | 26/07/2006 |
| Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered | | |
| Birds | Animals | ... | 0 | 0 | 0 | 0 | | |
| Affected Population | | | | | | | | |

Outbreak (other report - submitted)

| Province | District | Sub-district | Unit Type | Location | Latitude | Longitude | Start | End |
|-----------------------|-----------------|--------------|-----------|-----------|-----------|-------------|------------|------------|
| WESTERN CAPE PROVINCE | Calitzdorp | | Farm | Warmwater | -33,6291 | 21,7911 | 19/06/2006 | 26/07/2006 |
| Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered | | |
| Birds | Animals | ... | 0 | 0 | 0 | 0 | | |
| Affected Population | | | | | | | | |

Outbreak (other report - submitted)

| Province | District | Sub-district | Unit Type | Location | Latitude | Longitude | Start | End |
|-----------------------|-----------------|--------------|-----------|----------|-----------|-------------|------------|------------|
| WESTERN CAPE PROVINCE | Worcester | | Farm | Vrede | -33,678 | 19,6072 | 19/06/2006 | 26/07/2006 |
| Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered | | |
| Birds | Animals | ... | 0 | 0 | 0 | 0 | | |
| Affected Population | | | | | | | | |

Outbreak (other report - submitted)

| Province | District | Sub-district | Unit Type | Location | Latitude | Longitude | Start | End |
|----------------------------|-----------------|--|-----------|-------------|-----------|-------------|------------|------------|
| WESTERN CAPE PROVINCE | Riversdale | | Farm | Sandfontein | -33,9633 | 20,0356 | 19/06/2006 | 26/07/2006 |
| Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered | | |
| Birds | Animals | 58 | 8 | 8 | 50 | 0 | | |
| Affected Population | | A first time ostrich rearing farm with ostriches aged 4 months old | | | | | | |

Outbreak summary: Total outbreaks = 24 (Submitted)

| Species | Susceptible | Cases | Deaths | Destroyed | Slaughtered |
|---------|-------------|-------|--------|-----------|-------------|
| Birds | 58 | 8 | 8 | 7334 | 0 |

Epidemiology

Epidemiological comments

All ostriches and other poultry were culled on the index and surrounding farms. All sero-surveillance results obtained within a 10-km radius around the outbreak area were negative. Sero-surveillance will continue.

All culling and disinfection operations were completed on 26 July 2006. South Africa declares itself free of highly pathogenic notifiable avian influenza from 26 October 2006.

Source of Infection • Unknown or inconclusive

Control Measures

| | | | |
|-------------------------------|-----|------------------------|----|
| No Control Measures | | Animals treated | No |
| Vaccination Prohibited | Yes | | |

Country / Zone

| | |
|------------------------|-------------------|
| Country or zone | the whole country |
|------------------------|-------------------|

Diagnostic test results

| Laboratory Type | Name of Laboratory | Species | Test Type | Date Results Provided | Result |
|-----------------|--------------------|---------|-----------|-----------------------|--------|
|-----------------|--------------------|---------|-----------|-----------------------|--------|

Future Reporting

What further reports will be submitted in relation to this event? The event is resolved. No more reports will be submitted.

Outbreak map

