

African swine fever outbreak and surveillance update report



agriculture, land reform & rural development

Department:
Agriculture, Land Reform and Rural Development
REPUBLIC OF SOUTH AFRICA

Report compiled by:
Directorate: Animal Health
30 June 2023*

* This report includes all information as available by close of business on the indicated date. All the updates contained in this report may not currently reflect on the OIE WAHIS system due to technical difficulties with the OIE reporting system *

1. Introduction and summary

South Africa currently has four active outbreak events.

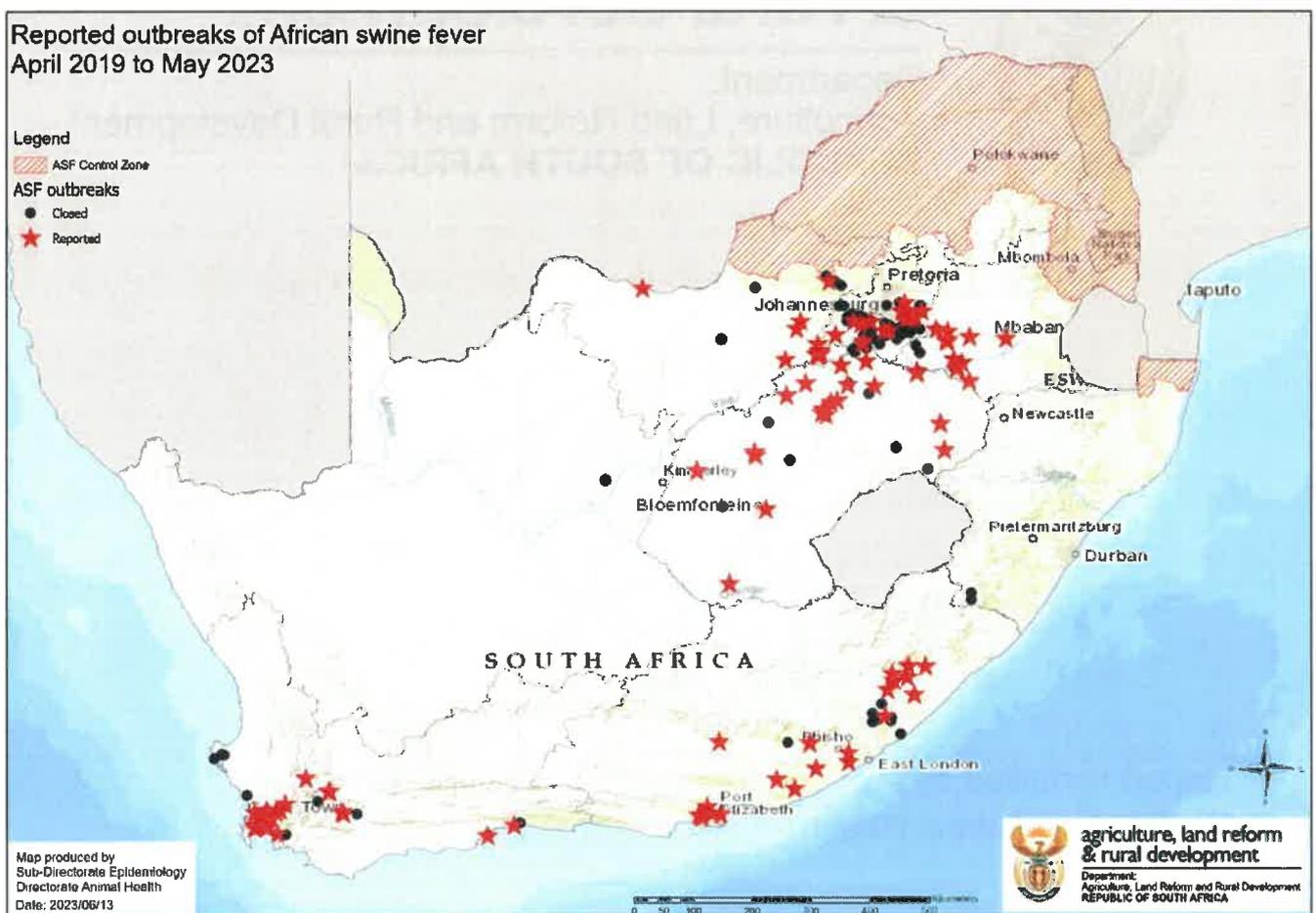
The first started in 2019 and is affecting Free State, Gauteng, Mpumalanga and North West provinces, with a total of 156 reported outbreaks (61 open and 95 resolved).

The second outbreak event started in 2020 and is located in the Eastern Cape Province with 32 reported outbreaks (24 open and 8 resolved).

The third outbreak event started in 2021 and is located in the Western Cape Province with 53 outbreaks (36 open and 17 resolved).

The fourth outbreak event started in 2022 and is located in the KwaZulu-Natal Province with 2 reported outbreaks (both resolved) and has now been closed.

In 2022 there have also been two reported cases in Limpopo within the legislated ASF controlled area.



Summary of active outbreaks per province:

Province	Number of open outbreaks	Number of resolved outbreaks	Total number of outbreaks	Last reported outbreak
Eastern Cape	24	8	32	29 May 2023
Free State	21	10	31	27 May 2023
Gauteng	9	74	83	25 April 2023
KwaZulu-Natal	0	2	2	9 September 2022
Mpumalanga	19	7	26	19 May 2023
North West	12	4	16	1 June 2023
Western Cape	36	17	53	3 May 2023
Total	121	122	243	

2. Details of open outbreaks

2.1 Affected localities

Eastern Cape

Three outbreaks were reported in February 2023, two in Raymond Mhlaba local municipality in villages and one in Makana local municipality in free-ranging pigs on a small holding that had been fed swill.

In March 2023 two outbreaks were reported, one in the Mquma local municipality in a homestead and one on a farm in the Kouga local municipality.

An outbreak was reported in Blue Crane Route municipality in April 2023 where pigs are kept in a semi free range system but swill feeding also occurs.

An outbreak was also reported in May 2023 in the Nelson Mandela Bay Municipality on a smallholder farm.

Free State

Since January 2023 seven new outbreaks were reported in the Free State. One in Moqhaka local municipality was discovered and traced back from the abattoir in January 2023. In February 2023 one outbreak was reported in Mangaung municipality and one in Maluti a Phofung local municipality. In March 2023 an outbreak was reported in Tswelopele municipality in a communal area. In May 2023 another outbreak was reported in Tswelopele in a different commonage as well as an outbreak in a commonage in the Nala municipal area.

Gauteng

The latest outbreaks are in Randfontein, Rand West City, Tshwane and Ekurhuleni Local Municipalities. The outbreak in the Randfontein local municipality in January 2023 affected a big commercial pig farm. In February an outbreak was reported on a smallholding in Tshwane municipality after buying a few pigs from Daveyton and Bapsfontein (in Ekurhuleni). In Ekurhuleni municipality three outbreaks were reported in February 2023 in informal pig-keeping areas and free-ranging pigs on a smallholding that had been fed swill. In March & April 2023 two outbreaks were reported on small holder farms in Rand West City and in April 2023 another outbreak in Ekurhuleni was reported in an informal pig keeping area on the verges of a township.

KwaZulu-Natal

All outbreaks have been resolved and no further suspicions reported.

Mpumalanga

In March 2023 an outbreak was reported in eMalahleni in communal small scale informal pig farmers, which also scavenge the area and in April 2023 two further outbreaks were reported, one in Steve Tshwete municipality in a communal settlement where pigs are also fed swill and one in Victor Khanye municipality in a small scale intensive farm.

In May 2023 two outbreaks were reported in Govan Mbeki local municipality in communal peri-urban areas.

North West

Six new outbreaks were reported since January 2023. One in Matlosana local municipality in January 2023 after the farmer had bought in pigs from another area and one in JB Marks local municipality in February 2023 who had also bought in pigs from a speculator. In March 2023 three further outbreaks were reported in JB Marks local municipality. In May 2023 an outbreak was reported in the Rustenburg area in free-roaming pigs in an informal settlement that feed on raw swill.

Western Cape

An outbreak was reported in February 2023 in small-scale farmers in City of Cape Town, with 44 of the 51 pig farmers experiencing mortalities. It is suspected that the pigs may have been fed swill.

In May 2023 an outbreak was reported in an informal peri-urban pig keeping area in Mossel Bay municipality

Limpopo

No change since the previous update.

2.2 Confirmation of diagnosis

For all reported outbreaks, confirmation of disease was done by positive PCR on organ samples (in some cases whole blood samples) at the ARC Onderstepoort Veterinary Research Transboundary Animal Diseases laboratory (OVR-TAD).

2.3 Control measures implemented

Control measures are based on quarantine and movement controls. Awareness drives highlighting essential biosecurity measures to enable pig owners to prevent infection of their pigs have been ongoing including the following recommendations:

- Confining pigs to prevent contact with other pigs or wildlife;
- Only buying pigs directly from healthy herds;
- Only feeding safe feed to pigs;
- Not allowing visitors contact with pigs;
- Before having contact with pigs, wash hands, only use clean clothes, shoes, equipment and vehicles (that have not been in contact with other pigs)

3. Epidemiology

Most of the reported outbreaks have had the ASF virus sequenced. OVR-TAD has determined two genotypes involved:

Currently the outbreak event in Free State, Gauteng, Mpumalanga and North West have been affected by both Genotype I and II viruses.

The Eastern Cape and Western Cape outbreak events are affected only by Genotype II.

The below figures show the trend of ASF outbreaks reported per week per outbreak event series.

4. Surveillance

Surveillance for ASF remains ongoing. All movements of pigs from infected properties and areas during the period prior to and following diagnosis are traced and any suspect disease outbreaks in pigs investigated. If suspect clinical signs are observed, samples are collected to confirm the diagnosis.

A handwritten signature in black ink, appearing to read 'M Maja', is written over a horizontal line. The signature is cursive and somewhat stylized.

Dr Mpho Maja

Director: Animal Health

