

African swine fever outbreak and surveillance update report



agriculture, land reform & rural development

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

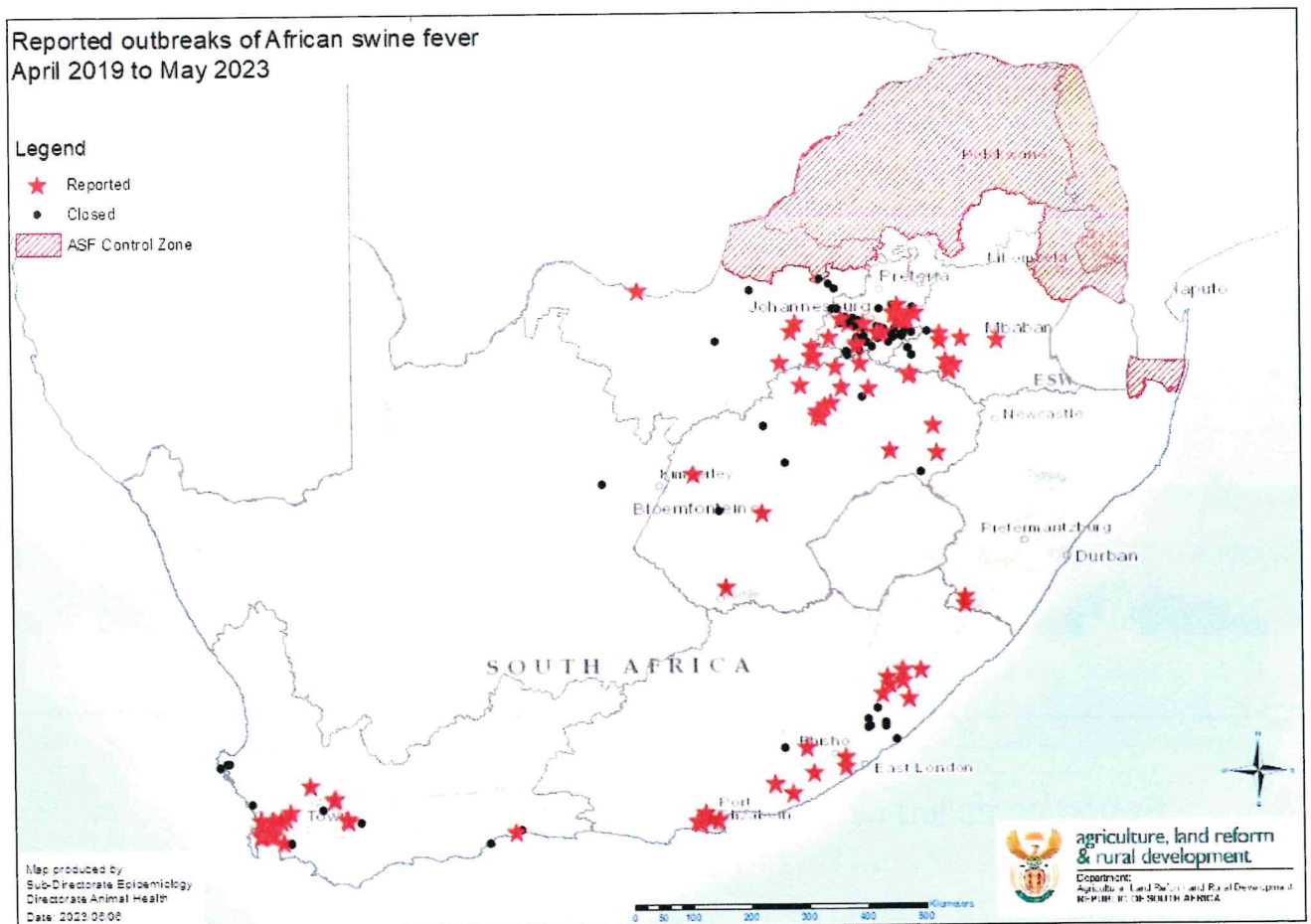
Report compiled by:
Directorate: Animal Health
31 May 2023

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 154 reported outbreaks (63 open and 91 resolved). The second outbreak event started in 2020 and is located in the Eastern Cape Province with 30 reported outbreaks (22 open and 8 resolved). The third outbreak event started in 2021 and is located in the Western Cape Province with 54 outbreaks (37 open and 17 resolved). The fourth outbreak event started in 2022 and is located in the KwaZulu-Natal Province with 2 reported outbreaks (open).

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

Map 1: Reported outbreaks of African Swine Fever 2019 - 2023



Summary of active outbreaks per province:

Province	Number of open outbreaks	Number of resolved outbreaks	Total number of outbreaks	Last reported outbreak
Eastern Cape	22	8	30	12 April 2023
Free State	23	8	31	20 April 2023
Gauteng	16	72	88	11 April
KwaZulu-Natal	2	0	2	9 September 2022
Mpumalanga	14	7	21	12 May 2023
North West	10	4	14	14 May 2023
Western Cape	37	17	54	19 April 2023
Total	124	116	240	

2. Details of open outbreaks

2.1 Affected localities

Eastern Cape

Two outbreaks were reported between March and April 2023, one in Mnquma municipality and one in Blue Crane Route in free-ranging pigs.

Free State

Three outbreaks were reported between March and April 2023, one in Nala local municipality and two in Tswelopele local municipality.

Gauteng

Two outbreaks occurred, one in Rand West City in March 2023 and one in City of Ekurhuleni in April 2023. The outbreak in City of Ekurhuleni affected an informal pig-keeping area.

Mpumalanga

One outbreak occurred in May 2023 in the Govan Mbeki local municipality on a farm where outbreaks have occurred for the last 12 years.

North West

Two new outbreaks were reported in this period. One in Rustenburg local municipality in free-roaming pigs and one in JB Marks local municipality.

Western Cape

One outbreak was reported in April 2023 in Mossel Bay.

KwaZulu-Natal

No change since the previous update of 30 April 2023.

Limpopo

No change since the previous update of 30 April 2023.

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.

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 cursive script, appearing to read 'M Maja', is written over a horizontal line. The signature is positioned above the printed name 'Dr Mpho Maja'.

Dr Mpho Maja

Director: Animal Health

