

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
28 November 2023*

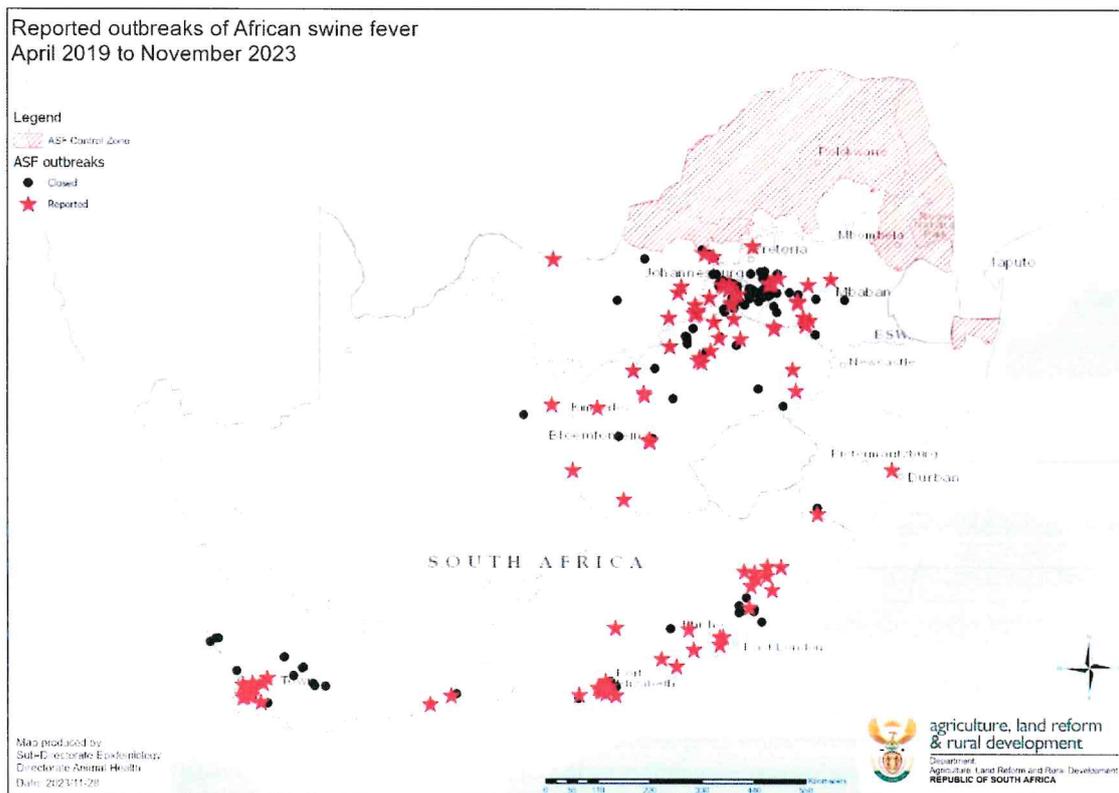
* This report includes all information as available by close of business on the indicated date. All the updates contained in this report may not currently reflect on the OIE WAHIS system due to technical difficulties with the OIE reporting system *

1. Introduction and summary

South Africa currently has four open ASF outbreak events, and one outbreak event which was resolved and closed with the World Organisation for Animal Health (WOAH).

- The first outbreak event started in 2019 and is affecting Free State, Gauteng, Mpumalanga, North West and Northern Cape provinces, with a total of 174 reported outbreaks (63 open and 111 resolved).
- The second outbreak event started in 2020 and is located in the Eastern Cape Province with 42 reported outbreaks (28 open and 14 resolved).
- The third outbreak event started in 2021 and is located in the Western Cape Province with 53 outbreaks (26 open and 27 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.
- The fifth outbreak event started in 2023 in KwaZulu-Natal with 2 reported outbreaks (2 open).

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	28	14	42	17 November 2023
Free State	20	20	40	27 November 2023
Gauteng	13	77	90	20 November 2023
KwaZulu-Natal	2	2	4	5 October 2023
Mpumalanga	16	10	26	19 May 2023
North West	13	4	17	23 August 2023
Western Cape	26	27	53	3 May 2023
Northern Cape	1	0	1	3 October 2023
Total	119	154	273	

2. Details of open outbreaks

2.1 Affected localities

Eastern Cape

Three new outbreaks were reported, two in the Nelson Mandela Metropolitan Municipality and one in Kouga.

Free State

Three outbreaks occurred in the Mangaung Local Municipality.

Gauteng

One outbreak occurred in the City of Johannesburg during November 2023.

Northern Cape

One new outbreak occurred in the Dikgatlong Local Municipality in free-ranging pigs.

No outbreaks were reported in the KwaZulu-Natal, Mpumalanga, North West, Limpopo and Western Cape provinces 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

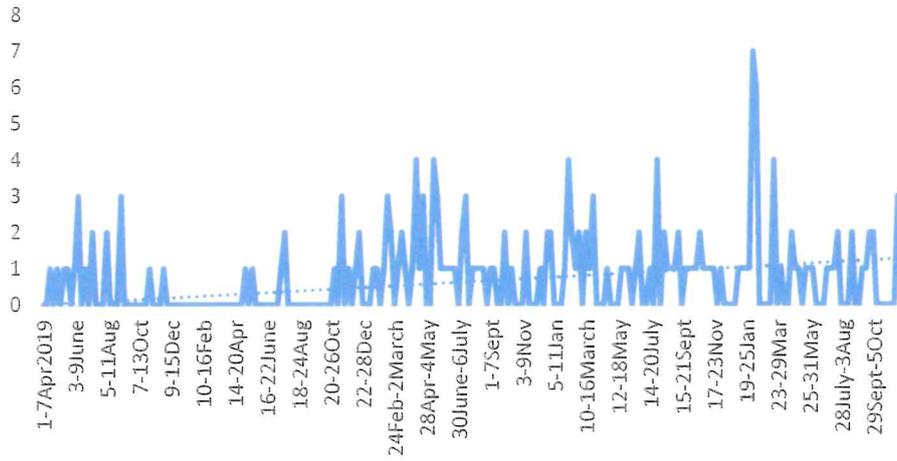
Most of the reported outbreaks have had the ASF virus sequenced. OVR-TAD has determined two genotypes involved:

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

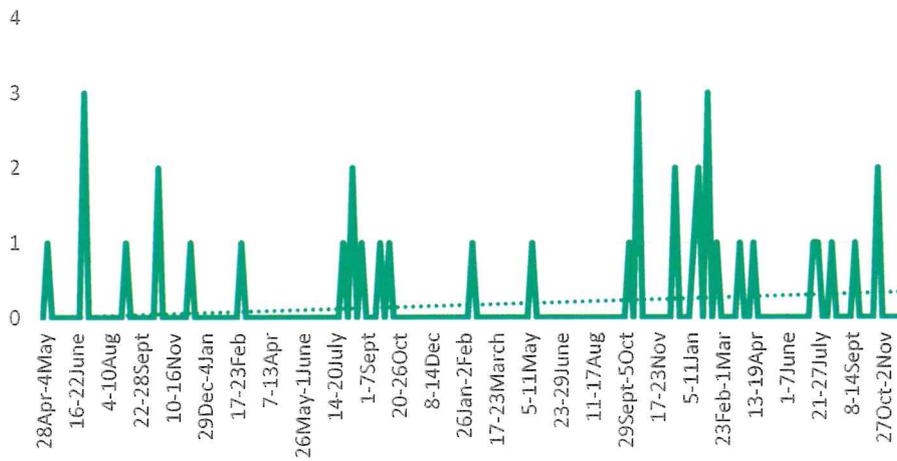
The Eastern Cape and Western Cape outbreak events are affected only by Genotype II.

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

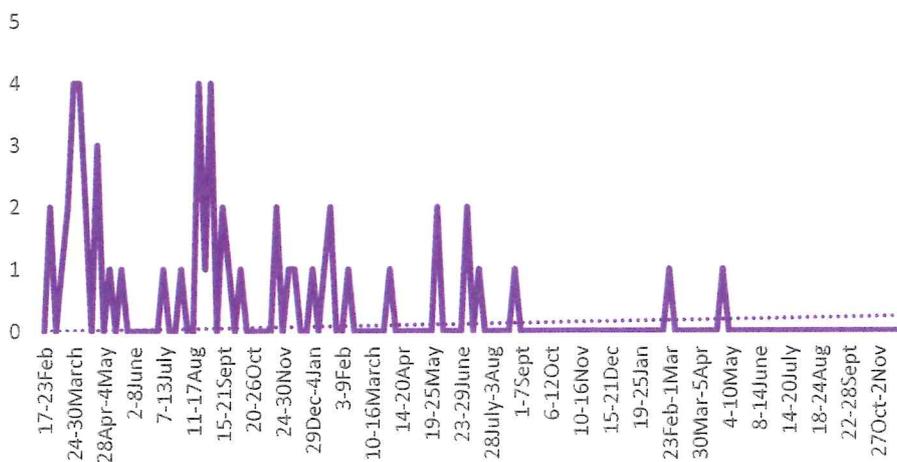
MPU_2019 number of outbreaks per week



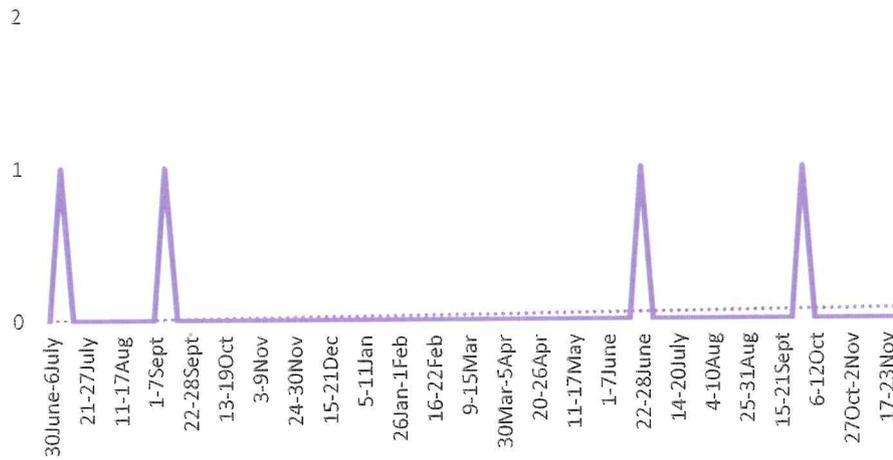
ECP_2020 number of outbreaks per week



WCP_2021 number of outbreaks per week



KZN_2022 number of outbreaks per week



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.

Dr Mpho Maja

Director: Animal Health

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