

SAPPO African Swine Fever (ASF) Update

10 April - 11 September 2019

OVERVIEW

African swine fever (ASF) is a fatal animal disease affecting domestic pigs, European Wild boars, Warthogs and Bushpigs. There is no vaccine, and the virus is very resistant in the environment and in pork products. ASF is not a threat to human health.

SITUATION UPDATE

South Africa has experienced a cases of ASF in the past few months. The first case was in the North west province in April. This was followed by cases related to purchases of pigs from an Auction facility in Provinces of Mpumalanga and Gauteng. Cases were then discovered to the North Eastern Free State, also related to injudicious movement of pigs, during May 2019, followed by cases in June, July, August and most recently in September in Mpumalanga. Affected and direct in contact pigs have been culled or are in the process of being culled at all the sites identified.

ACTIONS TAKEN BY SOUTH AFRICA/SAPPO

Provincial veterinary services with the assistance of SAPPO visit every single case confirmed. All sites which are confirmed are immediately put under quarantine and a course of action proposed. In most cases the owners of affected and direct in-contact pigs involved have agreed to culling the pigs to avoid them suffering and to reduce risk of further spread. Robust backward and forward tracing using auction records are immediately instituted, plus surveying locations where pigs are kept within a 3km radius. Pigs within this zone that do not seem affected are put under quarantine and observed on regular basis to ascertain whether they are infected or not. Once 3km radius sites have been visited a wider surveillance area around the infected location occurs. Provincial authorities have increased surveillance of auction sites, made all abattoirs aware that any pigs delivered must be accompanied by health declarations and that all vehicles need to be properly decontaminated /disinfected between loads of pigs. When culling takes place the NSPCA is informed to ensure that process is carried out humanely. Environmental services are also consulted to ensure disposal is done to their satisfaction.

DISCLAIMER

Information provided herein is current as of the date of issue and to the best of SAPPO's knowledge. In some cases the record keeping of the owners and determining the actual infection date make it difficult to have 100% accurate statistics. In some cases the "susceptible" population data is recorded as number of pigs currently on the farm plus those known to have died since initial reporting or visit by veterinary authorities.

SYMPTOMS

- High fever
- Weakness and reluctance to stand
- Vomiting
- Diarrhoea, sometimes bloody
- Red or blue colouring around the ears or snout
- Coughing or difficulty breathing
- Miscarriage, still birth
- Weak litters
- Most of the diseased animals will die within 10 days

CAUSES

- Contact with infected pigs purchased in affected areas
- Being fed with kitchen waste
- Contact with contaminated materials, footwear or clothing

Contact your local state veterinarian if you suspect that your pigs or farm is infected.

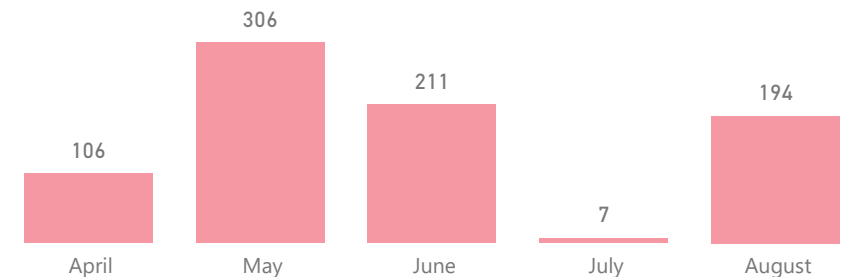
Also see:

<https://www.youtube.com/watch?v=r0JjZ21Jsll>

<https://www.youtube.com/watch?v=eyQ4t1wHI2M>



Cases per Month (No. of Pigs)



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Outbreak Summary Data

DAFF data reported to the World Organisation of Animal Health (OIE)

Outbreak Number	OIE Outbreak	Start of Outbreak	OIE Report District	OIE Report Province	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered
1	ASF_NWP_2019_01	03 Apr 2019	Ditsobotla	North West Province	36	32	32	4	0
2	ASF_MPU_2019_001	15 Apr 2019	Victor Khanye	Mpumalanga	197	62	62	135	0
3	ASF_MPU_2019_002	28 Apr 2019	Ekurhuleni	Gauteng	269	12	12	257	0
4	ASF_MPU_2019_003	10 May 2019	Ngwathe	Free State	350	276	276	74	0
5	ASF_MPU_2019_004	14 May 2019	Emfuleni	Gauteng	101	5	5	96	0
6	ASF_MPU_2019_005	24 May 2019	Ekurhuleni	Gauteng	112	25	25	87	0
7	ASF_MPU_2019_006	03 Jun 2019	Ekurhuleni	Gauteng	5	2	2	3	0
8	ASF_MPU_2019_007	10 Jun 2019	Ekurhuleni	Gauteng	17	16	11	6	0
9	ASF_MPU_2019_008	07 Jun 2019	Rustenburg	North West Province	201	98	98	103	0
10	ASF_MPU_2019_009	18 Jun 2019	Ngwathe	Free State	146	70	70	76	0
11	ASF_MPU_2019_010	28 Jun 2019	Ekurhuleni	Gauteng	80	25	16	64	0
12	ASF_MPU_2019_011	03 Jul 2019	Ngwathe	Free State	29	7	7	22	0
13	ASF_MPU_2019_012	01 Aug 2019	Victor Khanye	Mpumalanga	39	30	30		
14	ASF_MPU_2019_013	03 Aug 2019	Lesedi	Gauteng	40	6	6	34	0
16	ASF_MPU_2019_014	16 Aug 2019	Mogale City	Gauteng	800	2	2		
17	ASF_MPU_2019_015	23 Aug 2019	Govan Mbeki	Mpumalanga	38	31	30		
18	ASF_MPU_2019_016	26 Aug 2019	Lekwa	Mpumalanga	620	125	125		
Total					3080	824	809	961	0

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SAPPO

Outbreak Number	Closest Town	SAPPO Cull Date	Killed and disposed of by SAPPO	Killed and disposed of by Authorities	Risk Factor	Outbreak Message	Note
1	Ditsobotla (Zeerust)		0	4	Contact with warthogs	Free Roaming Game	
2	Victor Khanye (Delmas)	2019/04/24	135		Bought at auctions, with unknown health status	Semi-Commercial, Housed	Sow animals gave birth (farrowed) during the course of the case.
3	Ekurhuleni (Daveyton)	2019/05/02	257		Bought at auctions, with unknown health status	Communal Farmers	
4	Ngwathe (Heilbron)	2019/05/14	74		Bought at auctions, with unknown health status	Semi-Commercial, Partially Housed	
5	Emfuleni (Vanderbijlpark)	2019/05/27	96		Bought at auctions, with unknown health status	Semi-Commercial, Housed	
6	Ekurhuleni (Nigel)	2019/05/31	81	6	Under investigation	Communal Farmers	
7	Ekurhuleni (Nigel)	2019/06/07	0	3	Under investigation	Communal Farmers	
8	Ekurhuleni (Nigel)	2019/06/25	6		Under investigation	Communal Farmers	
9	Rustenburg (Marikana)	2019/06/19	103		Under investigation	Communal Farmers	
10	Ngwathe (Koppies)	2019/06/22	76		Under investigation	Communal Farmers	
11	Ekurhuleni (Nigel)	2019/06/12	64	9	Under investigation	Communal Farmers	
12	Ngwathe (Koppies)	2019/07/04	22		Under investigation	Communal Farmers	
13	Victor Khanye (Delmas)	2019/07/04	34		Under investigation	Communal Farmers	OIE report to be updated
14	Lesedi (Nigel)	2019/07/04	598		Under investigation	Semi-Commercial, Housed	
16	Randfontein (Mogale City)	2019/09/11	2308		Under investigation	Communal Farmers	OIE report to be updated
17	Govan Mbeki (Secunda)				Under investigation	Communal Farmers	In process
18	Lekwa (Standerton)				Under investigation	Communal Farmers	In process

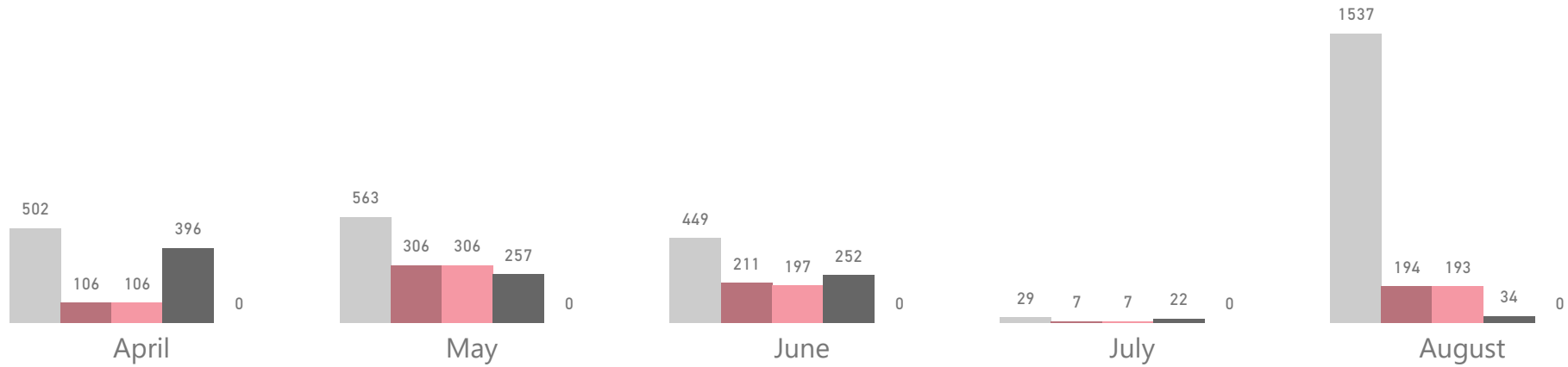
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Outbreak Summary Data



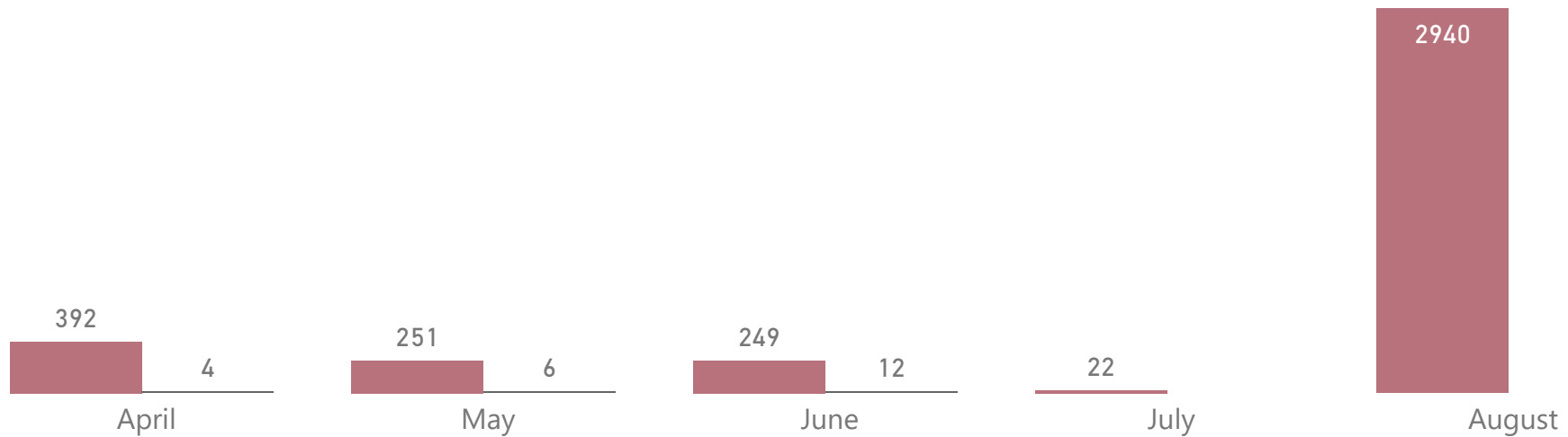
ASF per Month in 2019 (No. of Pigs, DAFF)

● Susceptible ● Cases ● Deaths ● Killed and disposed of ● Slaughtered



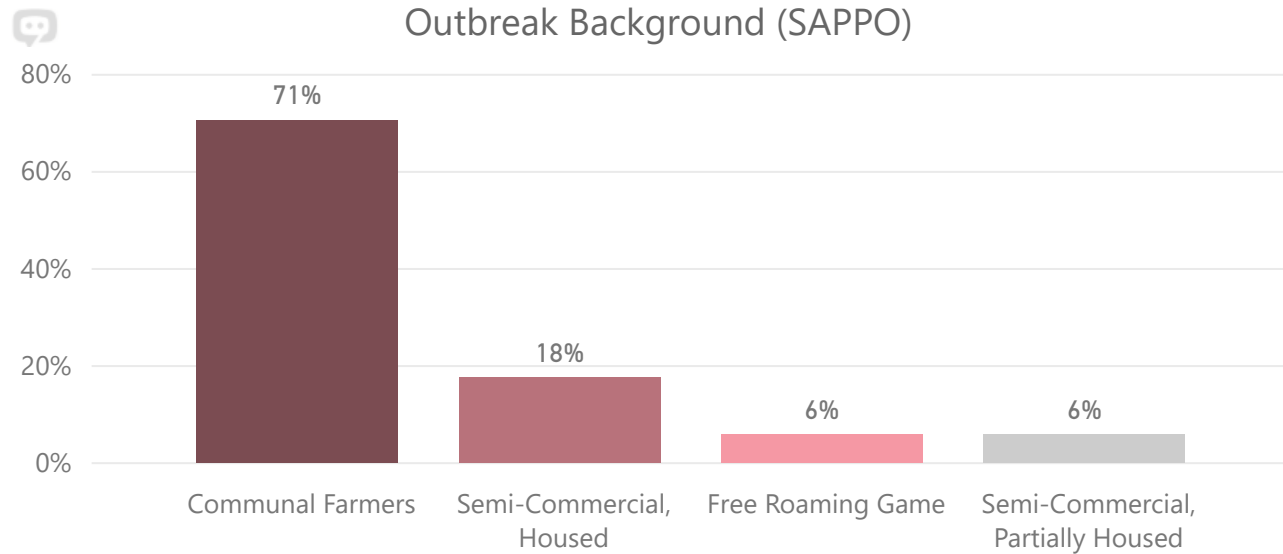
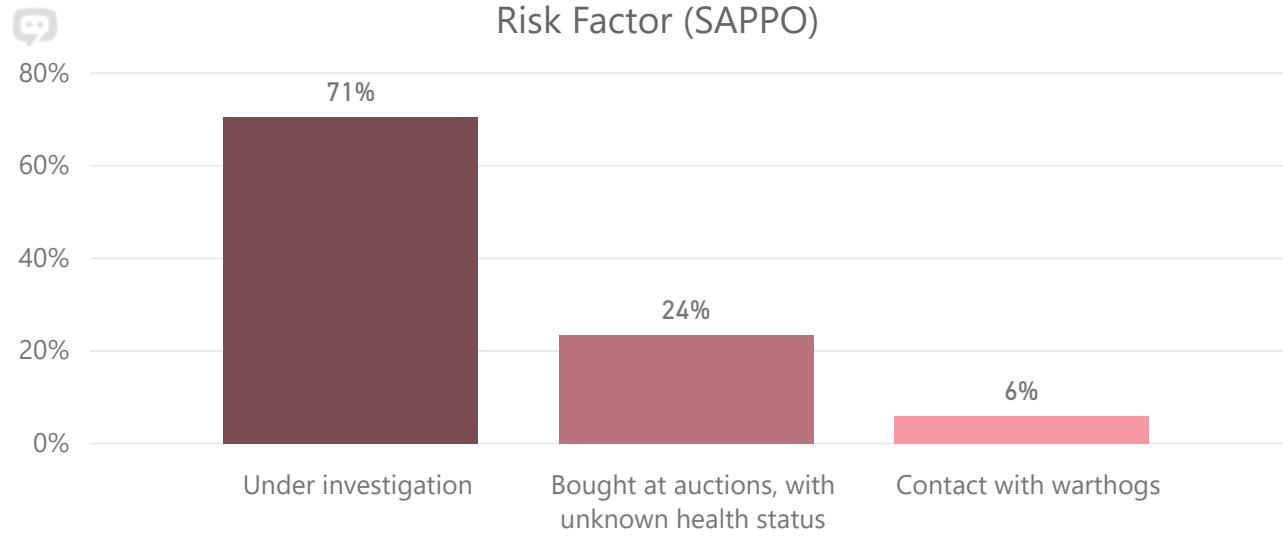
Killed and Disposed Of per Month (No. of Pigs, SAPPO)

● Killed and disposed of by SAPPO ● Killed and disposed of by Authorities



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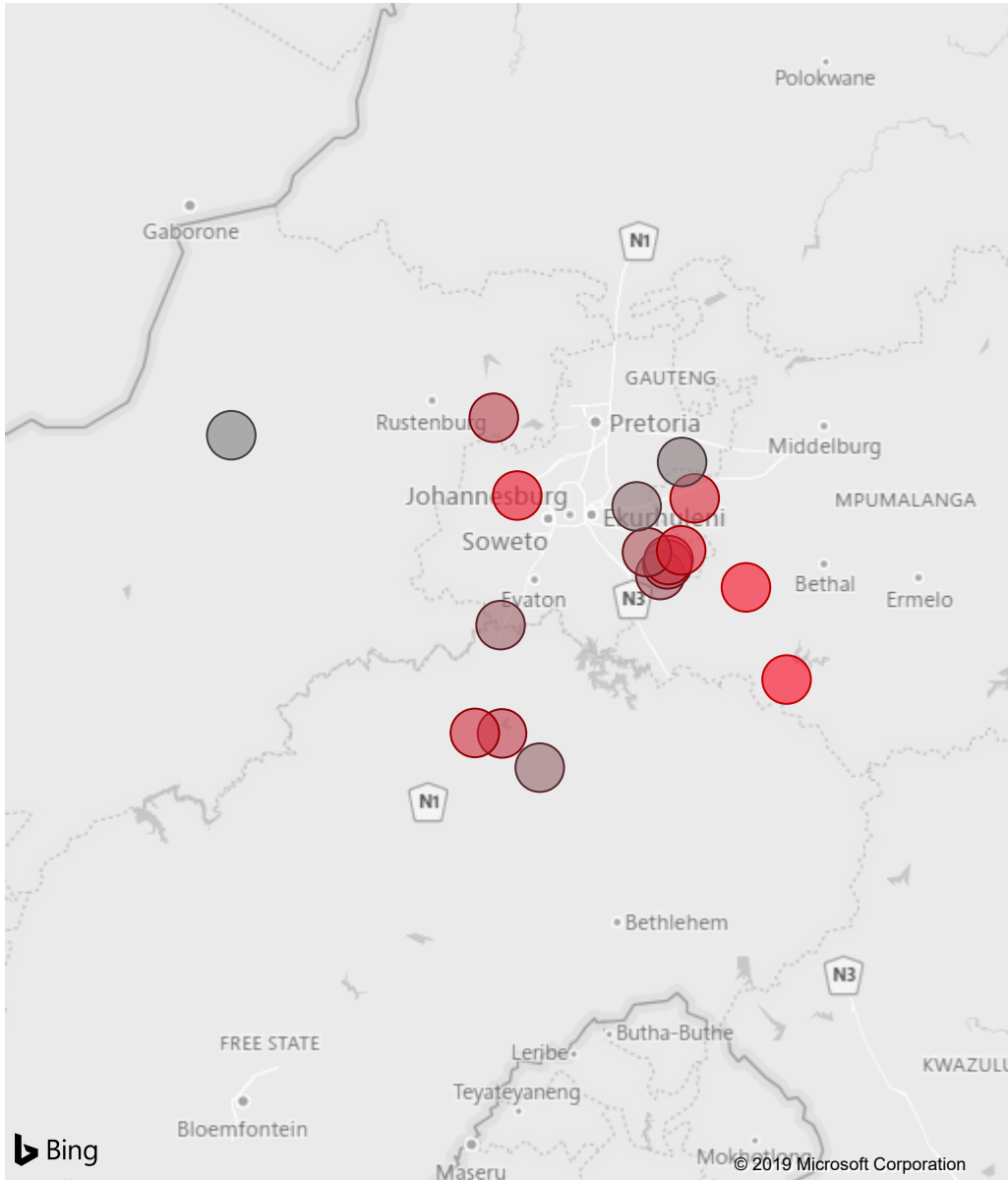
Outbreak Summary Data



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2019 Risk Area per Outbreak (Location Modified)



Outbreak Number	Start of Outbreak	SAPPO Cull Date	Closest Town
1	03 Apr 2019		Ditsobotla (Zeerust)
2	15 Apr 2019	2019/04/24	Victor Khanye (Delmas)
3	28 Apr 2019	2019/05/02	Ekurhuleni (Daveyton)
4	10 May 2019	2019/05/14	Ngwathe (Heilbron)
5	14 May 2019	2019/05/27	Emfuleni (Vanderbijlpark)
6	24 May 2019	2019/05/31	Ekurhuleni (Nigel)
7	03 Jun 2019	2019/06/07	Ekurhuleni (Nigel)
8	10 Jun 2019	2019/06/25	Ekurhuleni (Nigel)
9	07 Jun 2019	2019/06/19	Rustenburg (Marikana)
10	18 Jun 2019	2019/06/22	Ngwathe (Koppies)
11	28 Jun 2019	2019/06/12	Ekurhuleni (Nigel)
12	03 Jul 2019	2019/07/04	Ngwathe (Koppies)
13	01 Aug 2019	2019/07/04	Victor Khanye (Delmas)
14	03 Aug 2019	2019/07/04	Lesedi (Nigel)
16	16 Aug 2019	2019/09/11	Randfontein (Mogale City)
17	23 Aug 2019		Govan Mbeki (Secunda)
18	26 Aug 2019		Lekwa (Standerton)