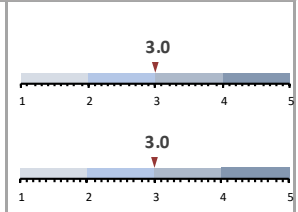


SUMMARY: RELEVANT SIGNALS (includes all signals rated ≥3.0)

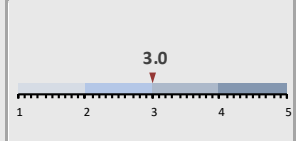
Foot and Mouth Disease

- ◆ **Oman** has reported FMD SAT2 in the country for the first time, in cattle in **Salalah province** [Read More](#)
- ◆ Journal article: A newly emerging Serotype A strain in Foot and Mouth Disease virus with higher severity and mortality in buffalo than in cattle calves in **North Egypt**
 - This study is the first to detect the newly emerging FMDV, serotype A, Europe–South America topotype in **Beheira province** [Read More](#)



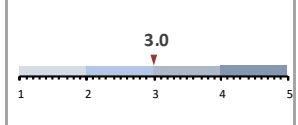
Malaria

- ◆ The state of **Maryland** has confirmed its first locally transmitted case of malaria in the state in over 40 years; the case involves the parasite *Plasmodium falciparum*, which can cause a more severe illness than the strain (*Plasmodium vivax*) identified in Florida and Texas [Read More](#)

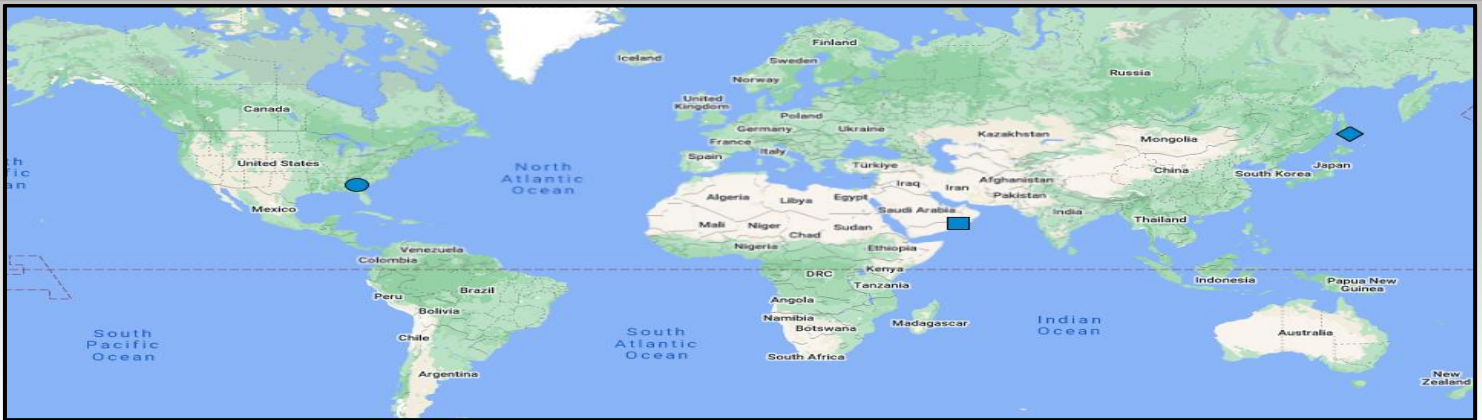


Yellow-legged Hornet (*Vespa velutina*)

- ◆ The state of **Georgia** has reported finding an invasive yellow-legged hornet, native to Southeast Asia, near **Savannah**; this is the first time a live specimen has been detected in the **US** [Read More](#)



NEW EVENTS: (events rated > 2)



- **Foot and Mouth Disease SAT2 in Oman**
Pathogen: virus; Transmission: direct contact, fomite, aerosol; Species affected in event: cattle
 ① Oman has reported FMD SAT2 serotype for the first time in the country. The outbreak occurred in January 2023 in Salalah province, affecting 23/5100 susceptible cattle. [Read More](#)

Avg. Rating	3.0
No. of Signal	1
No. of Ratings	3

- **Yellow-legged hornet in Georgia, US**
Pathogen: pest; Transmission: N/A; Species affected in event: N/A
 ① The state of Georgia has reported finding an invasive yellow-legged hornet, native to Southeast Asia, near Savannah. This is the first time a live specimen has been detected in the US. The insects are devastatingly effective at preying on honeybees and other pollinators. [Read More](#)

Avg. Rating	3.0
No. of Signal	1
No. of Ratings	2

- ◆ **Seal mortality in Siberia**
Pathogen: unknown; Transmission: unknown; Species affected in event: seal, sea lion, wild birds
 ① More than 300 northern fur seals and Steller sea lions have been found dead in a mystery mass die-off on a small, uninhabited island in Siberia. Tyuleniy Island, also known as the 'Island of the Seals,' is located in the Sea of Okhotsk and is an important breeding ground for northern fur seals. Photos taken by conservationists show seal carcasses strewn across the coast. Dead birds were also found. The cause of the die-off is unclear, with poisons, toxins, or viral infections being possibilities. [Read More](#)

Avg. Rating	2.4
No. of Signal	1
No. of Ratings	5

CONTINUED EVENTS: (events rated ≥ 2.4)

Malaria in the USA

No. of Signals: 02

No. of weeks in report: 04

Avg. Rating: 1.3–3.0

- The state of [Maryland](#) has confirmed its first locally transmitted case of malaria in the state in over 40 years; the case involves the parasite *Plasmodium falciparum*, which can cause a more severe illness than the strain (i.e. *Plasmodium vivax*) identified in Florida and Texas
- [Florida](#) has reported no cases of locally acquired malaria in Sarasota County last week, the fourth straight week without new cases

Influenza A (H5N6 and H9) in China

No. of Signals: 01

No. of weeks in report: 45

Avg. Rating: 2.7

- [China](#) has reported a case of human infection with H5N6 avian influenza in Chongqing City, and Sichuan Province has reported a case of human infection with H9 subtype avian influenza – no further details are available at this time

Highly Pathogenic Avian Influenza in Europe

No. of Signals: 22

No. of weeks in report: 139

Avg. Rating: 2.0–2.6

- [Finland](#) has added one more fur farm to its list of HPAI affected premises, for a total of 25; more than half of the affected farms are from the same locality, Kaustinen
- Several [Russian](#) republics have announced food recalls linked to the HPAI outbreak reported last week in a large poultry farm in Bashkortostan
- [Scotland](#) has reported an outbreak of HPAI H5N1 in domestic poultry
- [Denmark](#), [Finland](#), [Sweden](#), [Svalbard and Jan Mayen Islands](#), [Spain](#), [Belgium](#) have reported HPAI H5N1 in wild birds
- [Norway](#) has reported ongoing HPAI in Finnmark, where several thousand (>15000) seabirds have been found dead
- A summary of the overall HPAI situation in Europe is available [here](#)

Highly Pathogenic Avian Influenza in North America

No. of Signals: 03

No. of weeks in report: 79

Avg. Rating: 2.3–2.4

- In Canada, Nova Scotia has reported HPAI H5N5 in a [red fox](#) and [wild bird](#)
- In [Washington](#), Rat Island is now closed due to an outbreak of HPAI

Highly Pathogenic Avian Influenza in South America

No. of Signals: 09

No. of weeks in report: 39

Avg. Rating: 2.0

- In [Chile](#), >12000 animals have died across 10 areas of Atacama due to HPAI
- [Chile](#) has reported cases of HPAI H5N1 in wild birds and backyard birds
- [Brazil](#) has reported HPAI H5N1 in wild birds; [São Paulo](#) has declared a state of animal health emergency, as a preventative effort, due to the findings of HPAI in wild birds in Brazil
- [Peru](#) has reported HPAI H5 and H5N1 in sea lions (found in January and March 2023) as well as HPAI H5N1 in a lion at the Huancayo Zoo (January 2023, however the lion results are not considered conclusive as other carnivores in other cages were not affected even though they were given the same feed)

Highly Pathogenic Avian Influenza in Africa

No. of Signals: 01

No. of weeks in report: 51

Avg. Rating: 2.0

- [South Africa](#) has reported HPAI H5 in wild birds in Eastern Cape

SCIENTIFIC FINDINGS & REPORTS:

African Swine Fever

- ◆ Epidemiological Characterization of African Swine Fever Dynamics in Ukraine, 2012–2023 [Read More](#)

Foot and Mouth Disease

- ◆ A Newly Emerging Serotype A Strain in Foot-and-Mouth Disease Virus with Higher Severity and Mortality in Buffalo than in Cattle Calves in North Egypt [Read More](#)

Influenza

- ◆ H5N1 highly pathogenic avian influenza clade 2.3.4.4b in wild and domestic birds: Introductions into the United States and reassortments, December 2021–April 2022 [Read More](#)
- ◆ Highly Pathogenic Avian Influenza A(H5N1) Clade 2.3.4.4b Virus in Wild Birds, Chile [Read More](#)
- ◆ The genomic landscape of swine influenza A viruses in Southeast Asia [Read More](#)
- ◆ Evolution of prevalent H9N2 subtype of avian influenza virus during 2019 to 2022 for the development of a control strategy in China [Read More](#)
- ◆ Influenza A Virus in Pigs in Senegal and Risk Assessment of Avian Influenza Virus (AIV) Emergence and Transmission to Human [Read More](#)

Vectors and Vector-borne Diseases

- ◆ Heartland Virus: An Evolving Story of an Emerging Zoonotic and Vector-Borne Disease [Read More](#)
- ◆ *Anaplasma bovis*-Like Infections in Humans, United States, 2015–2017 [Read More](#)
- ◆ Rapid Epidemic Expansion of Chikungunya Virus East/Central/South African Lineage, Paraguay [Read More](#)

Other

- ◆ Rat Hepatitis E Virus in Norway Rats, Ontario, Canada, 2018–2021 [Read More](#)

Disclaimer

This intelligence report is intended to provide information to risk managers about emerging and zoonotic disease events that could pose a threat to Canada. It is based on information signals acquired and selected from twenty-one distinct disease surveillance sources via the Knowledge Integration using Web-based Intelligence (KIWI) tool hosted on the Canadian Network for Public Health Intelligence (CNPHI) informatics platform. The report is based on the activities of the CEZD Community of Practice and subject to change based on evolving user needs.