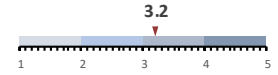


SUMMARY: RELEVANT SIGNALS (includes all signals rated ≥3.0)

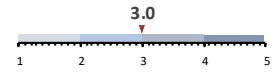
Highly Pathogenic Avian Influenza

- ◆ For the first time during the 2022 outbreak, a strain of the HPAI H5N4 has been reported in the **USA**, in a backyard flock in **Montana** on September 15; up to this point, all cases of HPAI in the **USA** and **Canada** during this outbreak have been of the H5N1
- ◆ Over the last week, **Canada** has reported outbreaks of HPAI H5N1 in commercial poultry in: **Alberta(1)**, **Manitoba(2)**, **Saskatchewan(1)**, and **Quebec(1)**; in non-commercial poultry in: **Saskatchewan(1)**, **Ontario(1)**; and in non-commercial non-poultry in: **Alberta(2)**
- ◆ A white-sided dolphin found dead near **Rimouski, Quebec**, is suspected to have contracted AI; CFIA is awaiting the results of a necropsy for confirmation

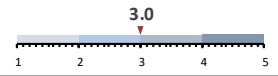
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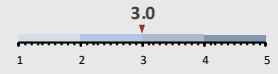
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Theileriosis

- ◆ Another case of *Theileria Orientalis Ikeda* has been reported in **Kentucky**, in a 12-year-old beef cow in **Barren County**, who presented with jaundice and rapid breathing; this makes the second confirmed case of *Theileria* in the state

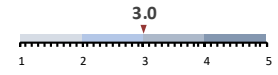
[Read More](#)



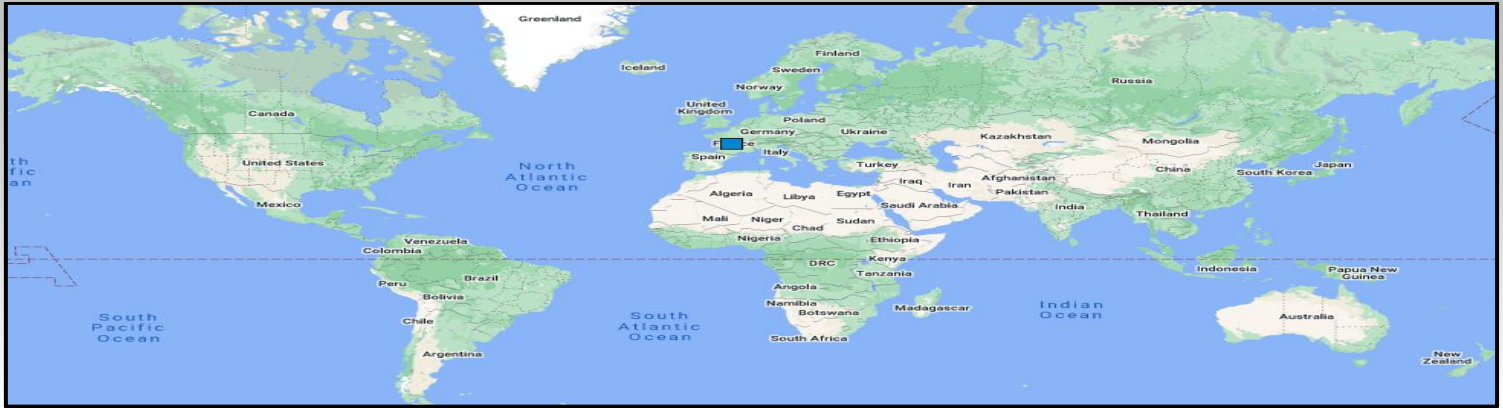
Ebola Sudan virus

- ◆ **Uganda** has confirmed 129 cases of Sudan Ebola virus in seven districts; there have been 14 confirmed cases of the virus in the capital city **Kampala**, which has ~4 million inhabitants

[Read More](#)



NEW EVENTS: (events rated > 2)



Canine rabies in France

Pathogen: Virus ; **Transmission:** Direct contact ; **Species affected in event:** Canine

① On October 27, France confirmed a case of rabies in a Husky cross-type dog detained in a refuge in Évry-Courcouronnes in Essonne. The animal bit several people who were quickly taken care of by the rabies center of the Pasteur Institute. The animal developed first signs on October 19 and died on October 25. Throughout the period of contagiousness (up to 15 days before the first signs), the dog remained in the shelter, alone in its box or in a small courtyard. The first investigations, still in progress, indicate that this dog could have been illegally imported from Morocco, a country where rabies is endemic.

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Avg. Rating	2.3 - 2.7
No. of Signal	3
No. of Ratings	3 - 5

CONTINUED EVENTS: (events rated ≥ 2.4)

- | | | | |
|---|----------------------------------|--|--------------------------------------|
| <u>Highly Pathogenic Avian Influenza in North America</u> | <u>No. of Signals: 13</u> | <u>No. of weeks in report: 42</u> | <u>Avg. Rating: 1.6 - 3.2</u> |
| <ul style="list-style-type: none"> For the first time during the 2022 outbreak, a strain of the HPAI H5N4 has been reported in the USA, in a backyard flock in Montana on September 15; up to this point, all cases of HPAI in the USA and Canada during this outbreak have been of the H5N1 Over the last week, the USDA has reported outbreaks of HPAI H5N1 in commercial poultry in: Minnesota and Utah; in backyard poultry in: Florida, Colorado, and South Dakota Over the last week, Canada reported outbreaks of HPAI H5N1 in commercial poultry in: Alberta(1), Manitoba(2), Saskatchewan(1), and Quebec(1); in non-commercial poultry in: Saskatchewan(1), Ontario(1); and in non-commercial non-poultry in: Alberta(2) In Quebec, a white-sided dolphin found dead near Rimouski is suspected to have contracted AI; CFIA is awaiting the results of a necropsy for confirmation Mexico has confirmed HPAI has been detected on a commercial egg laying farm of 60,000 birds in Montemorelos, Nuevo León (the location is about 100 miles from the U.S. border in Texas); two new cases were also reported in wild birds in Tijuana, Baja California, and a backyard flock in Juárez, Chiapas | | | |
| <u>Theileriosis in the USA</u> | <u>No. of Signals: 01</u> | <u>No. of weeks in report: 03</u> | <u>Avg. Rating: 3.0</u> |
| <ul style="list-style-type: none"> Another case of <i>Theileria orientalis</i> Ikeda has been reported in Kentucky, in a 12-year-old beef cow in Barren County, who presented with jaundice and rapid breathing; this makes the second confirmed case of <i>Theileria</i> in the state | | | |
| <u>Ebola Virus in Uganda</u> | <u>No. of Signals: 14</u> | <u>No. of weeks in report: 05</u> | <u>Avg. Rating: 1.7 - 3.0</u> |
| <ul style="list-style-type: none"> As of Oct 30, 2022, Uganda has confirmed 129 cases (37 deaths) of Sudan virus disease across 7 districts; the case fatality ratio among confirmed cases is 29%, there have been 43 recoveries, 17 healthcare workers have been infected (6 of whom died) There have been 14 confirmed cases of the virus in the capital city Kampala, which has ~4 million inhabitants, with a density reaching 21,032 hab./km² | | | |
| <u>Highly Pathogenic Avian Influenza in Europe</u> | <u>No. of Signals: 18</u> | <u>No. of weeks in report: 98</u> | <u>Avg. Rating: 2.0</u> |
| <ul style="list-style-type: none"> Norway, Denmark, Bulgaria, the Netherlands, Scotland and France have reported outbreaks of HPAI H5N1 in domestic poultry Isle of Man, Sweden, Germany, Iceland, Belgium, Denmark, and Slovenia have reported HPAI H5N1 in wild birds A summary of the overall HPAI situation in Europe is available here | | | |
| <u>Highly Pathogenic Avian Influenza in Asia</u> | <u>No. of Signals: 04</u> | <u>No. of weeks in report: 75</u> | <u>Avg. Rating: 2.0</u> |
| <ul style="list-style-type: none"> South Korea has reported additional outbreaks of HPAI H5N1 in domestic poultry in Kyongsangbuk-do Vietnam has reported HPAI H5N1 in domestic poultry in Quang Tri (from June 2022) The Philippines have reported HPAI in Ilocos Norte among free-range chickens | | | |

SCIENTIFIC FINDINGS & REPORTS:

African Swine Fever

- ◆ Identification of Risk Factors for African Swine Fever: A Systematic Review [Read More](#)

Influenza

- ◆ A lesser scaup (*Aythya affinis*) naturally infected with Eurasian 2.3.4.4 highly pathogenic H5N1 avian influenza virus: Movement ecology and host factors [Read More](#)

Vectors and Vector-borne Disease

- ◆ Surveillance of Rocky Mountain wood ticks (*Dermacentor andersoni*) and American dog ticks (*Dermacentor variabilis*) in Colorado [Read More](#)
- ◆ *Aedes aegypti* mosquitoes have been reported in Santa Clara County, California [Read More](#)
- ◆ Asian Longhorned Tick reported in northern Missouri [Read More](#)

Other

- ◆ Keynote speaker summary: Digitalization and innovation applied to the prevention and control of 'foot-and-mouth and similar transboundary animal diseases' [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.