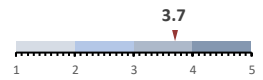


## SUMMARY: RELEVANT EVENTS (includes all events rated $\geq 3.0$ )

### Bluetongue

- An outbreak of BTV has killed ~20 wild bighorn sheep near Grand Forks, **British Columbia**, and the number of dead is expected to climb

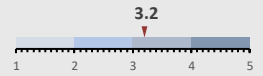
[Read More](#)



### African Swine Fever

- In the **Dominican Republic**, ASF outbreaks have been reported in additional provinces bringing the total number of infected provinces to 18/32 (official reports indicate 15/32)

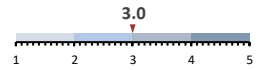
[Read More](#)



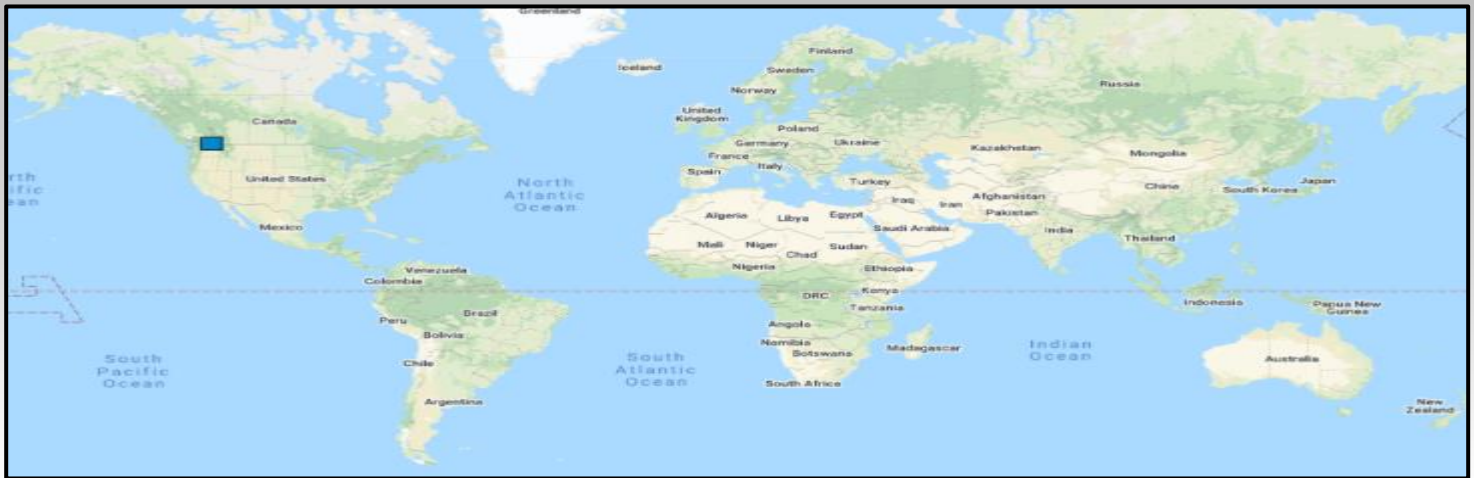
### COVID-19

- The **US** has confirmed the world's first cases of SARS-CoV-2 in deer; earlier studies have shown both that deer can be experimentally infected with the virus and that some wild deer had antibodies to the virus

[Read More](#)



## NEW EVENTS: (events rated > 2)



- Bluetongue virus in bighorn sheep near Grand Forks, B.C.**  
**Pathogen:** Virus ; **Transmission:** Vector ; **Species affected in event:** Bighorn sheep

① An outbreak of BTV is killing wild bighorn sheep near Grand Forks, B.C., and the number of dead is expected to climb. The bighorn sheep herd in this area in the West Kootenay region is estimated to be around 230 animals, and members of the Wild Sheep Society say at least 20 animals have died so far. Bluetongue is endemic in areas of the US and sporadic cases have occurred in Canada due to wind-borne introduction of infected midges.

[Read More](#)

Avg. Rating	3.7
No. of Signal	2
No. of Ratings	38

## CONTINUED EVENTS: (events rated $\geq 2.4$ )

### **African Swine Fever in the Caribbean**

**No. of Signals: 03**

**No. of weeks in report: 05**

**Avg. Rating: 2.2 – 3.2**

- In the [Dominican Republic](#), ASF outbreaks have been reported in additional provinces bringing the total number of infected provinces to 18/32 (official reports indicate 15/32)
- The [US](#) is establishing a Foreign Animal Disease protection zone in Puerto Rico and the US Virgin Islands due to the ASF findings in the Dominican Republic

### **COVID-19 Worldwide (as of August 30, 2021)**

**No. of Signals: 62**

**No. of weeks in report: 54**

**Avg. Rating: 1.0 – 3.0**

- [Worldwide](#), there have been 216,229,741 confirmed cases of COVID-19 with 4,496,681 deaths reported
- In [Canada](#), there have been 1,486,436 cases of COVID-19 with 26,890 deaths reported
- The [US](#) has confirmed the world's first cases of SARS-CoV-2 in deer, in wild white-tailed deer in Ohio

### **African Swine Fever in Asia**

**No. of Signals: 11**

**No. of weeks in report: 119**

**Avg. Rating: 2.0 - 2.6**

- In the Philippines, four towns in [Cagayan](#) have recorded cases of ASF again; ASF has also infected hogs in farms in Pantay Fatima villages in Ilocos Sur's capital city of [Vigan](#)
- [South Korea](#) has reported another case of ASF in domestic swine a local farm in Gangwon Province
- [Taiwan](#) has intercepted more illegal meat products that have tested positive for ASF

### **African Swine Fever in Europe**

**No. of Signals: 06**

**No. of weeks in report: 105**

**Avg. Rating: 2.0 – 2.6**

- In [Germany](#), as of last week, a total of 2,036 wild boar have been infected with ASF
- [Poland](#), [Hungary](#), and [Latvia](#) have also reported recent cases of ASF in wild boar
- [Bulgaria](#) has reported three outbreaks of ASF in domestic swine, the first findings in 2021
- [Romania](#) has reported an outbreak of ASF in domestic swine

### **Influenza A (H5N6) in China**

**No. of Signals: 02**

**No. of weeks in report: 09**

**Avg. Rating: 2.0 - 2.6**

- [Hong Kong](#) has reported another case of avian influenza A(H5N6) on the Chinese mainland; since 2014, 41 human cases of avian influenza A(H5N6) have been reported by Mainland health authorities ( 16 of which have been reported since December 2020)

### **Undiagnosed Avian Disease in the US**

**No. of Signals: 03**

**No. of weeks in report: 02**

**Avg. Rating: 2.0 - 2.4**

- An unknown avian disease that blinded and killed a variety of songbirds in at least 10 [US](#) states seems to have run its course, with case numbers dropping in late July into August; there was some speculation that Brood X cicadas that emerged this spring after 17 years could be linked to the disease, however officials said deaths were occurring in areas where the brood wasn't particularly active

### **Highly Pathogenic Avian Influenza in Europe**

**No. of Signals: 05**

**No. of weeks in report: 40**

**Avg. Rating: 1.4 - 2.3**

- [Finland](#) has reported HPAI H5N8 in wild birds
- [Sweden](#) and [Estonia](#) have reported HPAI H5N1 in wild birds
- [Belgium](#) has self-declared to be disease free of HPAI to the OIE
- A summary of the overall HPAI situation in Europe is available [here](#)

### **Highly Pathogenic Avian Influenza in Africa**

**No. of Signals: 04**

**No. of weeks in report: 16**

**Avg. Rating: 1.4 - 2.3**

- [Nigeria](#) has reported an outbreak of HPAI H5N1 affecting 164,473 farmed birds across seven regions
- [Benin](#) has reported on outbreak of HPAI H5 in layer hens in the village of Tohoue

## SCIENTIFIC FINDINGS:

- ◆ Evolutionary loss of inflammasomes in the Carnivora and implications for the carriage of zoonotic infections [Read More](#)
- ◆ Intensity and frequency of extreme novel epidemics [Read More](#)
- ◆ Reston virus causes severe respiratory disease in young domestic pigs [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.