

## SUMMARY: RELEVANT EVENTS (includes all events rated ≥ 3.0)

### African Swine Fever

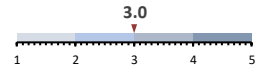
- ◆ Over the last few weeks, the number of farms that got infected with ASF in **Poland** has risen rapidly; currently 16 farm site have been confirmed infected
- ◆ In **China**, some farms in the central province of Sichuan are still battling severe outbreaks of ASF and have been since March
- ◆ ASF continues to wreak havoc among the livestock in Mizoram, **India**, affecting all 11 districts and killing 10,621 pigs since March
- ◆ Hundreds of domestic pigs have died due to the spread of ASF in many areas of Darrang, Assam, **India**

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## NEW EVENTS: (events rated > 2)



### ■ Anthrax in Canada

**Pathogen:** Bacteria ; **Transmission:** Direct contact, inhalation, ingestion ; **Species affected in event:** Sheep

① Saskatchewan Agriculture is reporting on the confirmation of anthrax in a sheep on a premises in RM of South Qu'Appelle #157, causing the death of the animal. It is the suspected cause of death of four additional sheep on the same premises.

[Read More](#)

Avg. Rating	2.6 - 2.7
No. of Signal	2
No. of Ratings	5 - 6

### ● Bovine tuberculosis in Hawaii

**Pathogen:** Bacteria ; **Transmission:** Direct contact, inhalation, ingestion ; **Species affected in event:** Cattle

① Hawaii agriculture officials report a cow in a herd on Moloka`i has been infected with bovine tuberculosis. The infected cow originated from a beef cattle herd in Ho`olehua in the central part of Moloka`i and was temporarily pastured in Mapulehu on the east end of Moloka`i due to the ongoing severe drought. Bovine tuberculosis has been present on Moloka`i, particularly on the east end of the island, with sporadic outbreaks in cattle herds since the 1940s. This is the first detection of the disease in a cattle herd in Hawai`i since an outbreak of bTB on Moloka`i 25 years ago.

[Read More](#)

Avg. Rating	2.3 - 2.5
No. of Signal	2
No. of Ratings	5

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

### African Swine Fever in Asia

**No. of Signals: 05**

**No. of weeks in report: 115**

**Avrg. Rating: 2.4 – 3.0**

- In [China](#), some farms in the central province of Sichuan are still battling severe outbreaks of ASF and have been since March
- ASF continues to wreak havoc among the livestock in Mizoram, [India](#), affecting all 11 districts and killing 10,621 pigs since March
- Hundreds of domestic pigs have died due to the spread of ASF in many areas of Darrang, Assam, [India](#)
- The [Philippines](#) have reported an outbreak of ASF in domestic swine in Davao Region

### African Swine Fever in Europe

**No. of Signals: 06**

**No. of weeks in report: 101**

**Avrg. Rating: 2.0 – 3.0**

- Over the last few weeks, the number of farms that got infected with ASF in [Poland](#) has risen rapidly; currently 16 farm site have been confirmed infected
- [Hungary](#) has reported cases of ASF in wild boar
- [Romania](#) and [Russia](#) have reported outbreaks of ASF in domestic swine

### Highly Pathogenic Avian Influenza in Europe

**No. of Signals: 06**

**No. of weeks in report: 35**

**Avrg. Rating: 2.1 - 2.3**

- [Denmark](#) has reported an outbreak of HPAI H5N8 in a 38 000 layer farm in Syddanmark
- [Russia](#) has reported cases of HPAI in wild birds at a natural park in Tyumen, serotype pending
- [France](#) and the [Netherlands](#) have reported outbreaks of HPAI H5N8 in domestic poultry
- [Norway](#) has reported cases of HPAI H5N8 in wild birds
- A summary of the overall HPAI situation in Europe is available [here](#)

### Highly Pathogenic Avian Influenza in Asia

**No. of Signals: 03**

**No. of weeks in report: 29**

**Avrg. Rating: 1.9 – 2.3**

- In [Vietnam](#), HPAI H5N8 outbreaks have been reported in three provinces: Hoa Binh, Cao Bang, and Quang Ninh

## SCIENTIFIC FINDINGS:

- ◆ Novel Morbillivirus as Putative Cause of Fetal Death and Encephalitis among Swine [Read More](#)
- ◆ Quantifying and Modeling the Acquisition and Retention of Lumpy Skin Disease Virus by Hematophagus Insects Reveals Clinically but Not Subclinically Affected Cattle Are Promoters of Viral Transmission and Key Targets for Control of Disease Outbreaks [Read More](#)
- ◆ Identifying urban hotspots of dengue, chikungunya, and Zika transmission in Mexico to support risk stratification efforts: a spatial analysis [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.