

## FBCC September 2021 Disease Summary

### Ontario – Infectious Laryngotracheitis (ILT)

The ILT Biosecurity Advisories for Leeds-Grenville and Frontenac were lifted on Sept. 22. ILT Advisories established during September remain in place for City of Hamilton and French River.

### Québec – Infectious Laryngotracheitis

On Sept 28, a broiler chicken flock was diagnosed with ILT in north Saint-Étienne-des-Grès in Mauricie region, northeast of Trois Rivières. A 1.5 km radius risk zone has been established.

### Alberta - Infectious Laryngotracheitis

6 cases of ILT in June- August period (13 year to date)

### High Path Avian Influenza Highlights: August 2020 - Sept 2021

	# of farms	# of poultry	Wild bird incidents	Captive flocks
Europe	1324	23,279,629	3108	116
Africa	258	5,169,057		
Asia	373	41,822,483	696	
Other	190	9,418,660	573	
Global	2145	79,689,829	4533	120

- Europe has experienced its largest HPAI epidemics ever. HPAI virus is still circulating in domestic and wild bird populations in some European countries and that the epidemic is not over yet. The wild birds will soon arrive for over-wintering.
- **Nineteen different HPAI virus genotypes** have been identified so far in Europe and Central Asia since July 2020, confirming reassortment events.
- Only 26 new cases reported in September, 7 of them in Europe.
- As many as 6 H5N8 cases, in an area overlapping Belgium, Luxembourg and France, have occurred in small flocks that engage in private trade outside of the licensing regimes. Several of the flocks had epidemiological contact.
- India has just reported details of 80 HPAI outbreaks between Jan. and April 2021.
- **“Low Path AI” can be “hot”**. A January 2020 case of low path H6N1 in a Northern Ireland broiler breeder flock turns out to have been a much larger outbreak. Poultry World just reported that the virus caused significant morbidity, mortality and production drop in 15 commercial layer and broiler breeder sites! Because the virus was non-notifiable, it was left to industry to manage the disease response.

### Belgium

Sept 6 OIE reports a 348-bird mixed captive flock in Menen, West Flanders (near French border). The owner is a poultry trader operating outside of the licensing regime and is

considered the index farm. It has been linked to a second infected 9-bird flock near Chiny and 4 other outbreaks in France and Luxembourg.

### **France**

September 3, HPAI H5N8 was found in a 98-bird mixed, backyard poultry flock in Vandy, the Ardennes region in the northeast, near the Belgium index premises. Two captive flocks (33 and 24 birds) infected with H5N8 in late August in Aisne are linked to the Belgian trader. France has raised its bird flu alert level from negligible to moderate. The ministry claims this outbreak would not compromise the country's flu-free status. France has reported its first case of a new high path virus H7N7 in its dead bird surveillance program.

### **Luxembourg**

As part of contact tracing from the infected index Belgium farm, H5N8 HPAI has been identified in a flock of 60 birds at an amateur breeder's flock in Olingen, Luxembourg. Mandatory poultry housing rules are now in place. This is Luxembourg's first case.

### **Czech Republic**

On Sept 28 the Czech Republic recorded an H5N1 bird flu outbreak at a 33-bird, non-commercial mixed flock in the central region of the country.

**Finland, Netherlands, Sweden and Russia** have reported 13(H5N1), 2 (H5N8 and 1(H5N8) wild bird HPAI incidents in multiple locations this month

### **Russia**

Sept. 1 H5N1 has been diagnosed in a 17000-bird flock in Chelyabinsk (east of the Ural Mountains in central Russia). First case of high path AI in a commercial flock since February 2021, when H5N8 was the issue. On September 1, a second outbreak was reported — this time in a backyard flock of 1,215 poultry.

### **Botswana**

Botswana has reported a H5N1 outbreak for the first time in a 25-bird exotic poultry flock in southeastern district of Kgatleng, about 30 km from South African border. There are unofficial reports of numerous other outbreaks in the north-west.

### **Ghana**

A commercial poultry farm in Tumu, Upper West region with infected with H5N1. This year's outbreak has affected 7 regions. On Sept. 1, a second outbreak occurred in a 1215-bird flock.

### **Nigeria**

Five small farms are infected with H5N1 in Edo state. Recently affected by the disease have been around 164,500 poultry that died on farms in six districts of Delta state. Initially limited to the northern part of the country the virus has now spread to 12 states. 89 outbreaks were reported to OIE in early July.

**South Africa**

Two more farms with a total of more than 50,500 birds, were reported with high path H5N1 virus: a 785-bird ostrich flock in Western Cape at the end of July and a commercial premises with almost 50,000 birds in Gauteng province. There have been 54 total outbreaks linked to H5N1 since March of this year.

**Togo**

Sept 6 report to the OIE H5N1 diagnosed on an 1880 bird flock premises in Maritime region. 84% mortality in a 1000 bird layer barn. A second barn that housed cockerels and pullets showed no signs but was destroyed. Re-used egg trays were identified as a biosecurity breach.

**India**

Data from 80 outbreaks in 9 different states and territories between January and April 2021 was just reported to OIE in September. Both H5N1 and H5N8 variants have been detected. Some 1.3 million birds have died or been destroyed.

**Pakistan**

In early August, a 3000-bird flock in Punjab with 100% mortality was diagnosed with H5N8. This is the first case since early 2019.

**Taiwan**

A dead wild duck in Yunlin County was diagnosed with H5N2 in mid-August.

**Laos**

H5 in a 415 bird flock in central Laos was reported to OIE.

**Vietnam**

Four more village poultry flocks in north-eastern Vietnam have tested positive for HPAI; three with H5N8 variant that was first detected in June and one with H5N6. There have been 88 HPAI outbreaks to date during this flu season.

**Newcastle Disease (NDV):**

**Belize and Russia** reported NDV in backyard flocks near Belize City and Vladivostok respectively.