

## January 2021 Disease Summary

### Ontario- ILT Niagara Outbreak continues

During January, there have been 3 more farms infected with ILT in Niagara: a pullet flock and a broiler flock to the southeast of Biosecurity Advisory Area (BAA), and another broiler flock close to the index case west of Smithville. The BAA has been expanded eastwards. Boards staff are assisting all producers in their biosecurity practices and flock health monitoring. FBCC has been coordinating communications with farmers, veterinarians, government and media. Many new broiler chick placements are being vaccinated at the hatchery. There are 7 infected premises since Dec. 1.

### Quebec

Ten cases of infectious laryngotracheitis have been reported in backyard flocks in past quarter

### Global summary:

During January, there has been a significant surge in Highly Pathogenic Avian Influenza (HPAI) outbreaks; **502 new infected flocks**, many in France, Germany and South Korea. Fourteen European states are currently reporting outbreaks. Asia is suffering its worst avian flu outbreak since the early 2000s. Thirty-one countries have reported poultry cases during this flu season since November. Of concern are the new cases in India and Africa, many of them H5N1, a potential zoonotic virus.

Over the past 3 months we have seen 1083 incidents of HPAI in wild birds (many species previously considered refractory to the virus). Not only H5N8 but occasionally other H5 re-assortments are being found. In many cases, wild bird isolations directly preceded poultry outbreaks. During this second flu season to date we have seen **807 poultry flocks** infected with HPAI. Total bird losses from death and culling exceeds **46.6 million birds**.

Over the past 13 months there have been 1023 poultry flocks struck with High Path Avian Influenza (818 in Europe and 205 in Asia and elsewhere). During this period we have seen two different flu seasons, each with its own predominant H5N8 strain. Interesting enough the strain now causing chaos in the Japanese and South Korean poultry industry is the same strain that hit Europe in the spring.

Here is a [table and graph](#) from ISVE that shows European HPAI totals to date as well as the disease incidence by week since November. [Here is a table developed by FBCC](#) that summarizes the global situation with this HPAI outbreak over the past 3 months.

### Belgium

One turkey flock (27230 birds) on Jan 29 in West Flanders with H5N8.

### Denmark

H5N8 in a 9415 bird flock of breeding mallards/pheasants for restocking game supplies in Vyborg

### Germany

Germany has recorded 25 poultry flocks and 2 captive bird collections with H5N8. These 304,696 birds were in found in 5 different states, the majority in Niedersachsen.

### Italy

A 2500 multispecies flock with H7N7 in Ravenna was identified as part of surveillance.

## **Russia**

A flock of 368724 poultry in Krasnodarskiy Kray with H5N8.

## **Ukraine**

A flock of 109 backyard birds with H5N8 in Bucha, Kiev with 25% mortality

## **Czech Republic**

A flock of 32 bird mixed flock with H5N8 facing 48 % mortality in Tábor, Jihoceský.

## **Romania H5**

H5N8 diagnosed in a research waterfowl flock of 1,198 birds of mixed species, near Bucharest.

## **Japan**

6 poultry flocks with H5N8 - broilers and layers plus the first duck flock this season. One of the layer flocks had 1.15 million birds. That is a total of 38 primary infected farms since November. Many epi-linked flocks being culled. Many farms were not complying with biosecurity guidelines. A total of 6.2 million birds have died or been culled.

## **Lithuania**

A 27-bird mixed flock in Kaunas with H5N8.

## **South Korea**

There have been 44 new cases of H5N8 this month; majority on duck farms, but also layers, broiler breeders and quail. Birds within a 3-kilometer radius of infected farms are being culled.

Authorities have destroyed 24.8 million poultry to prevent the spread of the disease.

## **United Kingdom**

Two poultry flocks (pullet and layers) in N. Ireland and a pheasant farm in Wales with H5N8.

## **Finland**

5 released game pheasants in Etelä-Suomi with H5N8. 20,000 released birds being killed.

## **Italy**

Two backyard hobby grey crowned cranes with H5N8 in a private garden in Ravenna

## **France**

There were 354 poultry flocks infected with HPAI H5N8 this month. The majority were foie gras duck farms in Landes department; also reported elsewhere in southwestern region. A low path H5N3 occurred in a Gars duck flock. All ducks and geese within a three-km radius are being culled. Some 2.4 million birds have died or been culled.

## **India**

Thirteen poultry flocks with HPAI reported to OIE this month (9 H5N8 and 4 H5N1.) Some 261,171 birds have been destroyed. An owl in a Delhi zoo succumbed to the disease after eating infected birds.

Outbreaks have been confirmed in 10 states, while 13 states have reported the disease wild birds.

## **Nepal**

A 2576 mixed backyard flock in, Bagmati (central) with H5N8

## **Slovakia**

70 backyard birds with H5N5, near Hungary and Austrian border.

## **Sweden H5N8 and H5N5**

A broiler breeder and a turkey flock in Skane Lan with H5N8. In addition, 510,000 layers in Kalmar Län were diagnosed with H5N5. When revealed that the virus had already spread further, 1.3 million hens and pullets have been culled. Total this month 1,320,913 birds culled.

## **Netherlands**

One 18,539 poultry flock with H5N8.

### **Chinese Taipei (Taiwan)**

Five new cases of H5N5 this month (45525 birds). These outbreaks bring Taiwan's total linked to this virus to 57 since September of 2019, when this new variant was first detected in the region.

### **Poland**

Fifteen new infected poultry flocks, (718,043 birds) mostly layers and turkeys) with H5N8.

### **Hungary**

In the first H5N8 cases since June 2020, 3 flocks (185757 birds) 2 turkeys and a layer flock) diagnosed

### **Ukraine**

19 backyard birds with H5 in Nikolayev

### **Kuwait**

125 backyard ducks and geese with H5N8 in Al Jahrah

### **Iran**

Seven more flocks (524,419 birds) this month in eastern Iran with H5N8.

### **Iraq**

In first outbreak since last May, 68,800 birds with H5N8 in 2 different premises with 93% mortality.

### **Senegal**

H5N1 in 100,000 young pullet/layer flock near Dakar. This is the first case ever reported in Senegal's history. Also 750 pelicans with H5N1 in a UNESCO World Heritage

### **Cambodia**

H5N1 detected in 1990 bird chicken flock with 92% mortality. It was the first outbreak since 2017.

### **Vietnam**

5 flocks of 11,830 birds in different northern areas with H5N6. 6 flocks of 8704 birds in Mekong Delta with H5N1