

FBCC November Summary (by country)

Country	# cases	Date of 1st case	# mortalities plus culls (Total)	# infected	# captive flocks	comments
	Nov. (Total)			wild birds or fecal		
Belgium	1	12/11/2020	151,600	7		H5N5
Croatia	1	24/11/2020	65,000			
Denmark	1	17/11/2020	25,000	52		
France		16/11/2020			8	
Germany	12	4/11/2020	149,662	332		H5N5 in I byf
Italy	1	20/11/2020	11,214	4		LPAI H5
Ireland		06/11/2020		3		
Netherlands	6	29/10/2020	358,709 (394.5K)	74	5	1 H5N1 in wild
Norway		27/11/2020		1		
Poland	1	24/11/2020	924185			
Slovenia		24/11/2020		2		
Spain					1	
Sweden	1	18/11/2020	5100	2		
UK	4	02/11/2020	70,414	57	2	1 LP H5N2
Russia	11 (67)	30/08/2020	1,286,333 (3 m)			
Kazakhstan	2 (12)	15/09/2020	1.2 m(1.6 m)			
Israel	4 (8)	15/10/2020	190,200 (290K)			
Iran		25/11/2020		26	1	
China		27/11/2020		4		
South Korea	1	28/11/2020	411,000	7 locations		
Japan	10	6/11/2020	1644500 - 1.8m	3 locations		
Laos	2	01/11/2020	1539			H5N1
USA	1	23/11/2020	backyard ducks			LPAI H5N2
South Africa	19	ongoing	21874 not culled			LPAI H7

Total of 56 High Path AI poultry outbreaks: 51 H5N8, 2 H5N5, 3 H5N1.

As well there were 22 low path AI flocks diagnosed.

Total # of poultry mortalities, flock depops and epi linked depops = 6,886,456

Total # of wild birds and fecal droppings infected with HPAI = 572

Total # of captive non poultry bird flocks infected with HPAI = 16

Unless otherwise stated, all infections are HPAI H5N8

US – Low path Avian influenza H5N2

USA reported an outbreak of Low path H5N2 (LPAI) in a backyard duck layer flock in Webster County in southwest Missouri.

Germany - H5N8 and H5N5 in wild birds spreads to poultry

Germany carried out extensive wild bird surveillance, detecting 332 HPAI H5N8 positives, primarily in Mecklenburg-Western Pomerania (MP) and Schleswig-Holstein (SH).

Germany has reported 12 infected poultry flocks in November, all of them H5N8 except for a small flock with H5N5. There were 6 commercial flocks in MP (4), SH (1) and Dithmarschen district. There were 6 infected small flocks MP (2), SH (3) and Niedersachsen. Total of 149,662 birds died or were culled at infected and epi linked farms.

Japan - H5N8 in wild birds spreads to commercial flocks

After HPAI H5N8 was found in fecal droppings in 3 different locations, Japan has experienced outbreaks in 10 commercial poultry flocks during November. All of these cases appear to involve laying birds (broiler breeders and egg layers.) Eight farms were located in or near Mitoya City in Kagawa Prefecture. Two others in Fukuoka and Hyogo Prefectures. Four epidemiologically linked operations were also depopulated. Our data indicates that 1,644,500 birds died or were destroyed.

Russia HPAI H5N5 and HPAI H5N8

Russia has experienced HPAI H5N8 in 14 flocks this month. This includes a **1,102,118-bird flock in Rostovskaya** near the eastern border with Ukraine. There was speculation that only unvaccinated birds were destroyed. Following this event, 3 small flocks were diagnosed with the virus in the same Oblast. In addition, a **175,000 bird turkey flock in Tatarstan**, in the Volga District became infected.

Nine other small flocks were diagnosed positive in various districts in the Volga region and east Urals and western Siberia: Tomskaya, Tyumenskaya, Tatarstan, Okrug- Yugra, Chelyabinskaya, and Samarskaya. Total of 1,286,333 birds were involved.

Based on reports lodged with the OIE, these latest outbreaks bring Russia's total since August of this year to 70. More than three million poultry have been directly involved in these outbreaks.

Kazakhstan High Path H5

The largest commercial egg farm in Kazakhstan near the regional capital of Almaty in the extreme south east, recorded flock mortality of 30 percent among **645,000 egg layer hens** within a few days. In close proximity, a **602,784 broiler chicken flock** with 11% mortality in same area was infected.

Netherlands - H5N8

Six poultry flocks and 2 captive bird flocks have been hit with HPAI H5N8 in November. As part of the surveillance following the late October outbreak at an Altforst broiler breeder flock, H5N8 has been diagnosed in a flock of 99516 layers, in Puiflijk (municipality of Druten) within the 3 km zone. Five other

outbreaks occurred in the provinces of North Holland (25 bird small flock), Groningen (47,102 chickens), Gelderland (22,040 poultry), Utecht (100,000 layers) and northern Friesland (90,000 broiler chickens). In addition, there were 2 small captive bird farms infected (26 birds). A total of 358,709 birds were depopulated this month.

As part of a surveillance program, 74 wild birds from numerous locations have tested positive. The Netherlands is Europe's largest exporter of chicken meat and eggs, employing 10,000 people on 2,000 farms.

UK – Low Path H5N2 and High Path H5N8

UK has experienced 4 poultry and 2 captive bird flock AI outbreaks this month. Soon after Low Path H5N2 was detected in a small flock (414 birds) Kent on south-east coast, a High Path H5N8 was confirmed in 13,500 pullets at a broiler breeder farm in Cheshire, a 46,000 bird broiler breeder flock in Herefordshire in the West Midlands and on Nov. 29, a 10,500 bird turkey flock in North Yorkshire in northeast England. These four flocks resulted in 70,414 birds being de-populated.

In addition infected birds were found at the Wildfowl and Wetlands Trust natural park near Stroud, Gloucestershire as well as a farm theme park near Melton Mowbray, Leicestershire. 57 dead wild birds in several locations have tested positive for HPAI H5N8.

Ireland H5N8 wild bird

High Path H5N8 has been identified in wild birds in Limerick, Monaghan and Mayo.

Northern Ireland (UK) H5N8 wild bird

High Path H5N8 found in dead swan at Lough Beg near Toomebridge in Londonderry.

Denmark High path H5N8 and H5N5

On Nov. 17, Denmark experienced its first HPAI H5N8 infection in a 25,000 bird broiler breeder farm in Randers, Jutland peninsula. In the preceding 2 weeks, they had identified 47 infected wild birds, with H5N5 and H5N8, mostly in this same area.

Norway - HPAI H5N8 in wild bird

Nov. 28 A migratory bird (wild goose) in Rogaland, on the Southwestern coast has been diagnosed with HPAI H5N8. HPAI has never been detected in Norway.

Sweden H5N8

Nov. 18, H5N8 in a 12 week old meat turkey flock of 5100 birds with 35% mortality located in Skane County, in the southernmost point of Sweden, not far from continental Europe.

Spain H5N8

One dead falcon near a Nature reserve on coast of northern Spain tested positive for High Path H5N8

Poland – High path H5N8

Nov. 24, H5N8 HPAI virus was confirmed in a flock of 924,185 laying hens in the county of Wolsztyn in the west central province of Greater Poland (Wielkopolskie). A canal runs behind the farm, there are also fields nearby, with geese and other wild birds,

Prior to end of March this year there were 32 confirmed AI outbreaks that caused over half a million birds to be destroyed. This was a different strain that we are currently seeing across Europe.

Croatia - High Path H5N8

Nov. 18 H5N8 diagnosed on a 65,000 bird meat turkey farm area of Koprivnica-Križevci County in north Croatia near Hungary border .

Slovenia – HPAI H5N8 in wild birds

Two dead swans found in coastal municipality of Piran, Koper were positive for H5N8

Belgium – H5N5

Nov. 27 – A flock of 151,600 broiler chickens in Menen, West Flanders near French border tested positive for High Path H5N5. Prior to this, 7 wild birds in different parts of the same province had tested positive.

France (Corsica) H5N8.

A large captive bird flock (pet wholesaler) in Haute Corse, Corsica suffered an HPAI H5N8 outbreak. Six secondary cases have occurred. In addition, a pet shop in Yvelines near Paris has been stricken.

Italy - Low Path H5 in poultry and High path H5N8 in wild birds

Low path H5 in 11214 broiler chickens and ducks in municipality of Galliavola, in the province of Pavia, Lombardia in north west Italy. H5N8 detected in north-east Italy in four hunted wild birds in the province of Venice and in Rovigo province.

Israel - High Path H5N8 – outbreak continues to spread

Over 190,000 birds have been destroyed from 4 flocks infected with HPAI H5N8 during November: a 21,000 bird meat turkey flock in Hazafon, a 8,200 bird turkey breeder flock in Haifa, a 133,000 broiler chicken farm in Golan Heights, and a 28,000 bird turkey flock of 15 week old turkeys in **Hazafon**. These bring the country's total outbreaks since mid-October to eight, and total losses of birds to almost 290,000.

Iran – High Path H5N8 in nature centre

Some 26 wild geese found infected at a Nature park on Meyghan Lake in Markazi province in the central part of Iran (Markazi province)

The Veterinary Organization of Iran called on the country's poultry producers to re-vaccinate poultry flocks over 52 weeks of age by highly pathogenic avian influenza vaccine

China – H5N8 in wild birds

Four swans in Pinglu County, Shanxi province tested positive for the virus. There are more than 4,000 wild swans living in this area. After the outbreak, the local area immediately activated an emergency response and disinfected the surrounding environment.

South Korea – HPAI H5N8

On Nov. 28, South Korea experienced its first outbreak of HPAI H5N8 in domestic poultry this season. Infection was identified during routine pre-slaughter testing in a 19,000 bird meat duck farm in Jeongeup in south west province of North Jeolla. All birds have been destroyed. About 292,000 chickens and 100,000 ducks at 6 poultry farms located within the 3 kilometers of the Jeongeup farm are also being culled.

A 48-hour nationwide stop movement order was imposed and a 7 day movement restriction for the 3 km zone. The ministry has also banned the trade of live chicks and ducks at all traditional markets nationwide and established a curfew for free-range birds.

Korea has carried out an ambitious program of monitoring wild bird migration patterns, environmental testing and dead bird surveillance. Some 7 positive locations were quarantined. Officials are monitoring 65,000 small poultry farms across the country for signs of disease.

Laos – H5N1

Laos reported two H5N1 outbreaks in village flocks (1539 birds) in Saravane province in the south of the country bordering Thailand. Earlier this month H5N1 infection was diagnosed in a 1-year-old girl from the same vicinity. There were poultry at her residence. Case fatality rate of this strain in humans is 50%

South Africa - Low Path H7

19 more commercial ostrich flocks in Western Cape province have been diagnosed with Low Path H7 virus. (21,874 birds). It appears that no culling has taken place.