

Immediate notification report

Report reference: REF OIE 27576, Report Date: 16/08/2018, Country : Russia

Report Summary

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Animal type	Terrestrial	Date of report	16/08/2018
Disease	Highly pathogenic avian influenza	Date of start of the event	09/08/2018
Causal Agent	Highly pathogenic avian influenza virus	Date of confirmation of the event	11/08/2018
Serotype(s)	H5N2	Date of last occurrence	13/03/2018
Reason	Recurrence of a listed disease	Diagnosis	Clinical, Laboratory (advanced)
Country or zone	a zone or compartment	Clinical signs	Yes
Number of reported outbreaks	submitted= 1, Draft= 0		

Outbreak details

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Kostromskaya Oblast- (this report - submitted)	-	Kostromskoy		Farm	Harino	58.951231	46.514801	09/08/2018	
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Birds	Animals	498485	506	506	1223	...			
Affected Population									

Outbreak summary: Total outbreaks = 1 (Submitted)

Species	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered
Birds	498485	506	506	1223	

Epidemiology

Epidemiological comments

The virus isolate was identified as H5N2 subtype by PCR and nucleotide sequencing. The comparative analysis of the obtained nucleotide sequences of the H gene and N gene fragments revealed that the isolate belongs to the Asian genetic lineage of highly pathogenic avian influenza (Clade 2.3.4.4.) which spread in the Russian Federation as well as in Asian, European, Middle Eastern and African countries in 2016-2018. The hemagglutinin cleavage site has a -REKRRKRGLF- structure, characterizing the virus as potentially highly virulent.

Source of the outbreak(s) or origin of infection

- Unknown or inconclusive

Measures applied

Applied	To be applied
<ul style="list-style-type: none"> • movement control inside the country • surveillance within containment and/or protection zone • screening • quarantine • official disposal of carcasses, by-products and waste • stamping out • control of wildlife reservoirs • disinfection 	<ul style="list-style-type: none"> • no planned control measures
Animals treated	Vaccination Prohibited
No	Yes

Diagnostic test results

Laboratory Type	Name of Laboratory	Species	Test Type	Date results provided	Result
OIE Reference Laboratory	All-Russian Research Institute for Animal Health	Birds	reverse transcription - polymerase chain reaction (RT-PCR)	11/08/2018	Positive

Future Reporting

Outbreak maps

