

ANIMAL HEALTH EMERGENCY REPORT

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 3.

Pakistan

No **Report date (dd / mm / yy)** **Country**

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Dr. Muhammad Afzal

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Name of the Sender

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Animal Husbandry Commissioner

M/O Food, Agriculture & Livestock

Position

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Avian Influenza -H5N1

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Disease Name **Disease Code**

If emergency report — → 12. Nature of diagnosis Suspicion Clinical Postmortem **Laboratory**

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27	-	02	-	2	0	0	6
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23	-	02	-	2	0	0	6
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Date of initial detection (dd/mm/yy) **Estimated date of first infection (dd/mm/yy)**

15	Geographical location	No. of new outbreaks	16	Species code	Total number of animals in outbreaks			
					susceptible	cases	deaths	slaughtered
	Layer poultry farm, Charsada, North West Frontier Province (NWFP)	One		Layers	10450	2420	2000	10450
	Breeder Farm, Abbottabad, NWFP	one		Breeders	16000	1045	875	16000
	Total	Two						

17. Description of (newly) affected population:

No new outbreak has been reported/observed from any where in the country.

18. Laboratory where diagnosis was made: National Reference Laboratory for Avian Influenza, National Animal Sciences Institute, National Agricultural Research Centre, Islamabad. Samples sent to World Reference Laboratory, Weybridge, UK has confirmed H5N1.

19. Diagnostic tests used/ date/ Results: Virus isolation, Agar gel immunodiffusion test, Haemagglutination and haemagglutination inhibition test, PCR. Diagnosis was made on 27-02-06. H5 N1 strain of AI virus was detected. The results were revalidated by World Reference Laboratory, Weybridge, UK.

20. Source of agent/ Origin of infection: The free movement of wild birds in and around the poultry sheds seems to be the source of AI agent. The exact origin of infection is not known.

21. Mode of Spread: Disease did not spread and remained confined to two farms, one layer farm at Charsada and one Breeder farm at Abbottabad.

22. Other epidemiological details: Haji Gull layer farm, Charsada is located at an isolated place. It has 05 layer sheds housing 10450 layer birds of 41 weeks age. There was free movement of wild birds in and around the shed. The layers showed respiratory problem however responded to antibiotic therapy. Birds were active at the time of culling. No dead wild birds were found / reported. The samples collected around the sheds were negative for AI. The disease seems to be picked up from wild birds. The flock was culled under the supervision of state Vet.

The parent flock of M/S Bau Ibrahim Breeder Farm, Abbottabad was affected. The farm is situated at an isolated place on Abbottbad – Murree Road. The breeder stock was in 65 weeks. There was mortality of 130-140 birds per day. The bird was having problem of CRD and responded to antibiotic therapy. The disease was detected during routine vet. visit. H5N1 was isolated at least from two samples on lab test. The flock was culled under the supervision of state vet. No case was reported at any broiler farm.

The sample collected by health officials from farm workers were negative for AI.

Control measures during reporting period:

- All birds at the farms were quarantined. Layer and breeder flocks was destroyed under the supervision of state veterinarians;
- Strict biosecurity and zoosanitary measures have been instituted;
- Farm workers were sanitized;
- Disinfection of the premises and farm equipments were carried out
- Sero surveillance from 15 Km radius around infected farm /area is going on;
- Avian influenza Emergency Cell is constantly monitoring the situation and so far there have been no reports of AI anywhere in the country. However, as precautionary measures private sector has been allowed to import 5 million doses of AI vaccines to deal with any emergency/eventuality.

