The National Veterinary Services Laboratory (NVSL) has confirmed the detection of H3 influenza antibodies with serologic testing. No N-type was identified.

No additional flocks identified based on testing of the epidemiological linked premises.

The information below this point is from the Suspect Disease Alert sent April 25, 2019.

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CONFIDENTIAL - INTERNAL DISTRIBUTION ONLY

Influenza Suspect Disease Alert

Testing conducted on samples from a Minnesota poultry flock indicate exposure to influenza virus. These results are based on screening tests as part of the State’s continued surveillance efforts to detect poultry diseases. The Minnesota Board of Animal Health will release more information after the National Veterinary Service Laboratory finishes confirmatory testing.

Alert Level: WARNING

MNAIW04-19 – STEARNS COUNTY

- 63 week old commercial breeder turkey hens (flock size 12,300)
- Routine, pre-market samples were submitted to the MPTL on April 23, 2019.
- Antibodies on both the AGID and ELISA were detected in 5 of the 20 serum samples submitted and tested - see explanation of serologic testing below.
- Tracheal swab samples were collected and submitted to the MPTL on April 24, 2019.
• 4 of the 6 samples had non-negative PCR test results for influenza (CTs ranged from 33.22 to 38.08); **all samples were negative for H5 and H7 influenza** - see explanation of molecular testing below.

• No illness or mortality is present.

• Flock is located in Stearns County, MAPP Code = 73CROL24A

• Samples are being submitted to the National Veterinary Services Laboratory (NVSL) in Ames, IA for confirmation. Results expected in 7-10 days.

• Testing of epidemiological linked premises is being conducted.

• Please remember to be vigilant with your biosecurity and help keep Minnesota's poultry healthy. Contact your veterinarian if you suspect any diseases or illnesses in your flock.

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**Alert Level Designation**

- **Watch** - Serology positive flock, no clinical signs consistent with HPAI.
- **Warning** - Virus detected, no clinical signs consistent with HPAI.
- **Critical** - Clinical signs or test results indicative of HPAI.

**Testing information:**

- Serologic testing (AGID or ELISA) is a diagnostic tool that looks for the presence of antibodies in the blood. The detection of antibodies are an indication that the bird has been exposed to a disease agent and its body produced antibodies in response to a virus/bacteria. It does not indicate whether or not the disease causing agent is still present within the flock.

- Molecular testing (PCR) is a diagnostic tool that looks for the presence of the disease agent (virus or bacteria) in the bird. Positive influenza results indicate that the bird is infected and shedding virus.

- Testing at the MPTL or Veterinary Diagnostic Laboratory (VDL) are to be interpreted as preliminary results and require confirmation at the National Veterinary Services Laboratory (NVSL).
If there are any questions or concerns please contact your veterinarian or the MPTL at 320-231-5170.

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