

Early Results of the Bronchitis Surveillance Project

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Sampling Protocol

- Farms selected by EFO Board
- 3 sample times per flock
- 30 pullets per farm- 6 tubes, 5 pullets per tube
- RT-PCR and Phylogenetic Analysis at AHL

Test 1

- Age range of 7-22 days
- Day 13 most common
- Consistent result, 5-6 tubes positive

Test 1 Results(38 farms*)

- Mass, 32 farms
- Mass+unidentified, 1 farm
- Conn, 1 farm
- DMV, 1 farm
- None, 3 farms

Test 2

- Age range of 7-10 weeks
- Different dominant virus than Test 1
- Less uniformity, 2-6 tubes positive

Test 2 Results(32 farms*)

- Conn, 15 farms
- DMV, 7 farms(all but 1 were 6 tubes positive)
- Mass, 2 farms
- CA, 2 farms(both 6 tubes positive)
- None, 6 farms

Test 3

- Age range of 12-17 weeks
- Also less uniform results

Test 3 Results(21 farms*)

- Conn, 3 farms
- Mass, 2 farms
- CA, 2 farms(same 2)
- DMV, 2 farms
- None, 12 farms

Comments

- Good response to Mass vaccine
- Dominant virus changes with age and exposure
- 10 farms had a different results with each test
- Considerations about further surveillance