



# FALSE LAYER SYNDROME: WHERE ARE WE NOW?

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For EFO AGM, Mar 27-2018

# 11 MONTHS AGO - ONTARIO

- 22 flocks involved in False Layer Syndrome
- Birds didn't peak
- Pullet barns seemed to be common link
- IBV implicated (DeIMarVa strain)
- Outbreak similar to an incident in Quebec in 2015
- Flocks destroyed
- Vaccination of breeders increased
- Day-old vaccine implemented
- Pullet surveillance began

Pullet Cases					
Grower	Producer	Hatch Date	Breed	Production %	Flock Size
1	1	Nov 22-29	Shaver	41	17600
	2	Nov 22-29	Dekalb/Sha	74/58	36000
	3	Nov 22-29	Bovan	55	16800
	4	Nov 22-29	Bovan	70	7600
	5	Nov 22-29	Bovan	50	4000
	6	Nov 22-29	HY BR	86	5200
	7	Nov 22-29	HY BR	90	9696
	8	Nov 22-29	ISA Br	90	8972
2	9	14-Dec	Lohmann	80	26000
3	10	23-Nov	Lohmann	84	62400
4	11	27-Sep	Lohmann	90	40320
	12	23-Sep	Lohmann	94	23500
	13	05-Oct	Lohmann	86	14428
	14	05-Oct	Lohmann	88	5935
	15	05-Oct	Lohmann	87	11880
	16	05-Oct	Lohmann	87	3840
5	17	18-Nov	Shaver	75	23240
	18	18-Nov	Lohmann	60	30720
	19	22-Nov	Lohmann	70	4278
	20	22-Nov	Lohmann	66	7500
6	21	30-Nov	Lohmann		
7	22	18-Nov	Bovan	66	13545

# 8 MONTHS AGO – QUEBEC

- 4 cases of false layers from May to September
- Peaks: 40 to 77%.
- 4 different sites not related.
- 3 of 4 had IBV Delmarva strain identified.
- All flocks were vaccinated days old with Mass.
- All flocks were killed at 25 wks.



# 10 MONTHS AGO - ARIZONA

- ~1,000,000 birds affected
- Peaks of 70-85%
- Very distinct time period day old Nov-Jan
  - Then it stopped
- Isolated a PA strain of IBV
- Typical vaccine program with Mass-Conn-Ark
- Started vaccinating with Ma5 at day old



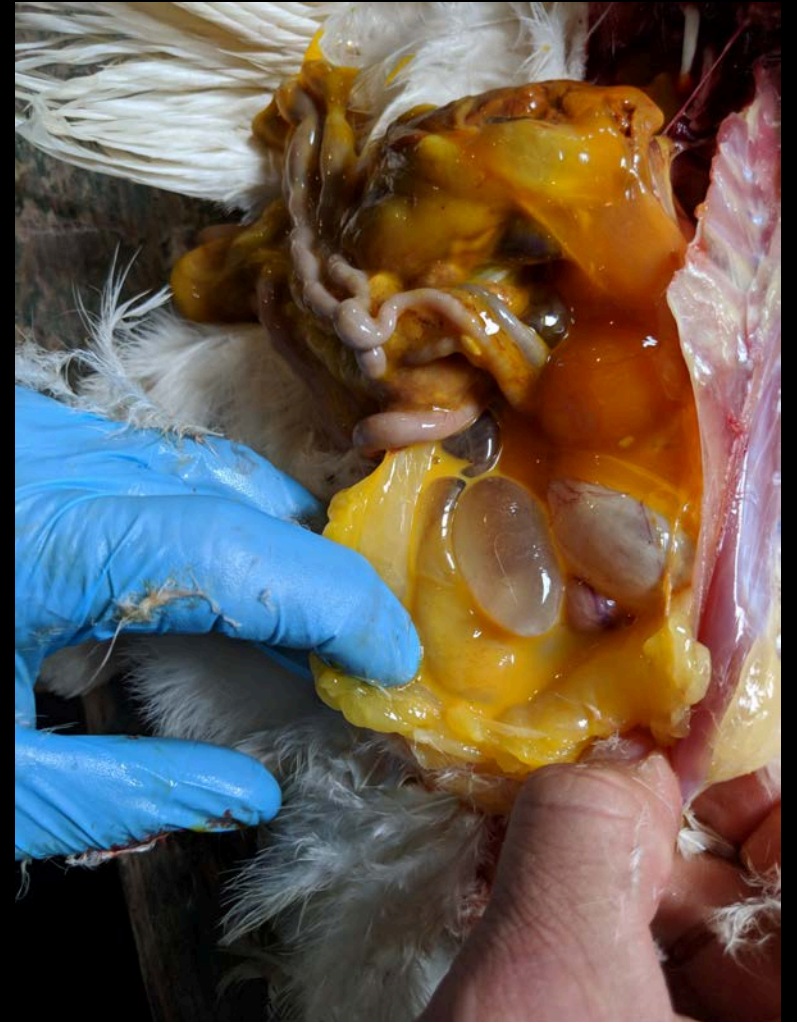
# 6 MONTHS AGO - PENNSYLVANIA

- I have seen 6 cases of cystic oviducts
- Over 2 months (Jul – Aug 2017)
- PA/1220/98 IB isolated from a flock
  - DVM is in Pennsylvania
- Started vaccinating widely with GA08 vaccine



# 5 MONTHS AGO - WISCONSIN

- High incidence of Cystic Right Oviduct
  - Similar to False layer, but lays eggs
  - Related?
- Because of increased surveillance, there have been more IB viruses found, although not associated with disease



# 4 MONTHS AGO - ONTARIO

- 3 flocks from same pullet barn
- Peaked ~90%
- DMV isolated from 1 flock
- Titers not high or increased
- Less impact because of vaccine?



# 3 MONTHS AGO – WEST COAST

- Flocks 10-20% below target
- PA strain isolated from affected farm, but not affected flocks
- No drops in production, no high titers





# WHAT NOW?

- Quebec:
  - One new case (in the last month)
  - Pullet flock tested positive at 2wks of age
  - PM at 8 weeks showed cysts in oviduct
  - Rate of cysts was consistent at 8wks, 18wks and at peak (~70%)
  - Flock was vaccinated at day old with Mass
    - Since, vaccination has been with Ma5



# WHAT NOW?

- Arizona
  - Nothing new, no interesting results from pullet and layer surveillance
- Pennsylvania
  - One new case in the past month
  - Vet wonders if vaccination at day of age has reduced number of cases
- Wisconsin
  - Nothing new