

USAHA 2022

ASSOCIATION OF VETERINARIANS IN BROILER PRODUCTION (AVBP)

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Overview – AVBP Report

Production Numbers

Mortality

Condemnation

Ranking of Disease Issues

Ranking of Non-disease Issues

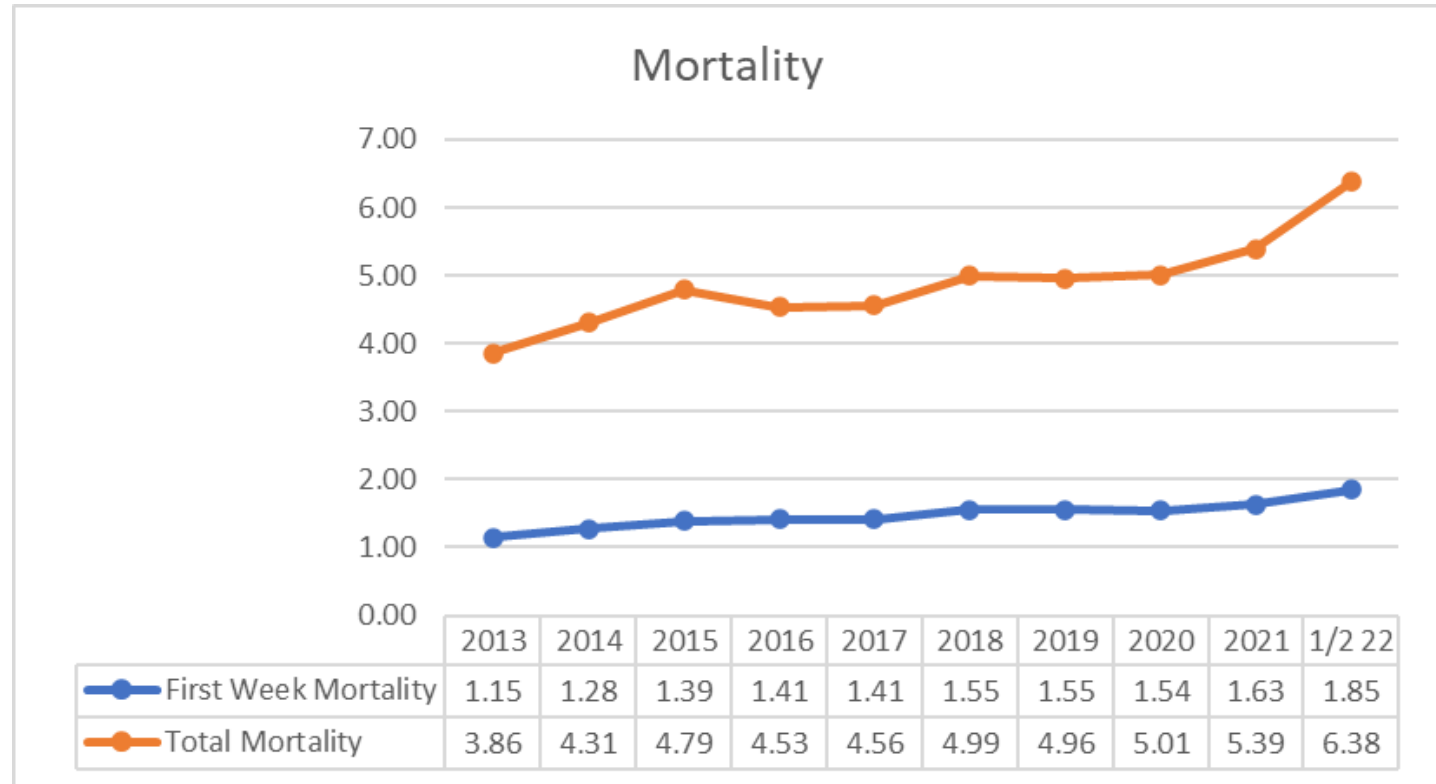
Conclusion

BROILER PRODUCTION

- ✓ The average bird weight remained flat with 6.47 lb in 2021 and 6.46 lb in 2022. This was even with an average age increase of 0.33 days.
- ✓ Feed Ingredient Cost increased almost \$34/ton this year going from \$313.63 to \$347.45

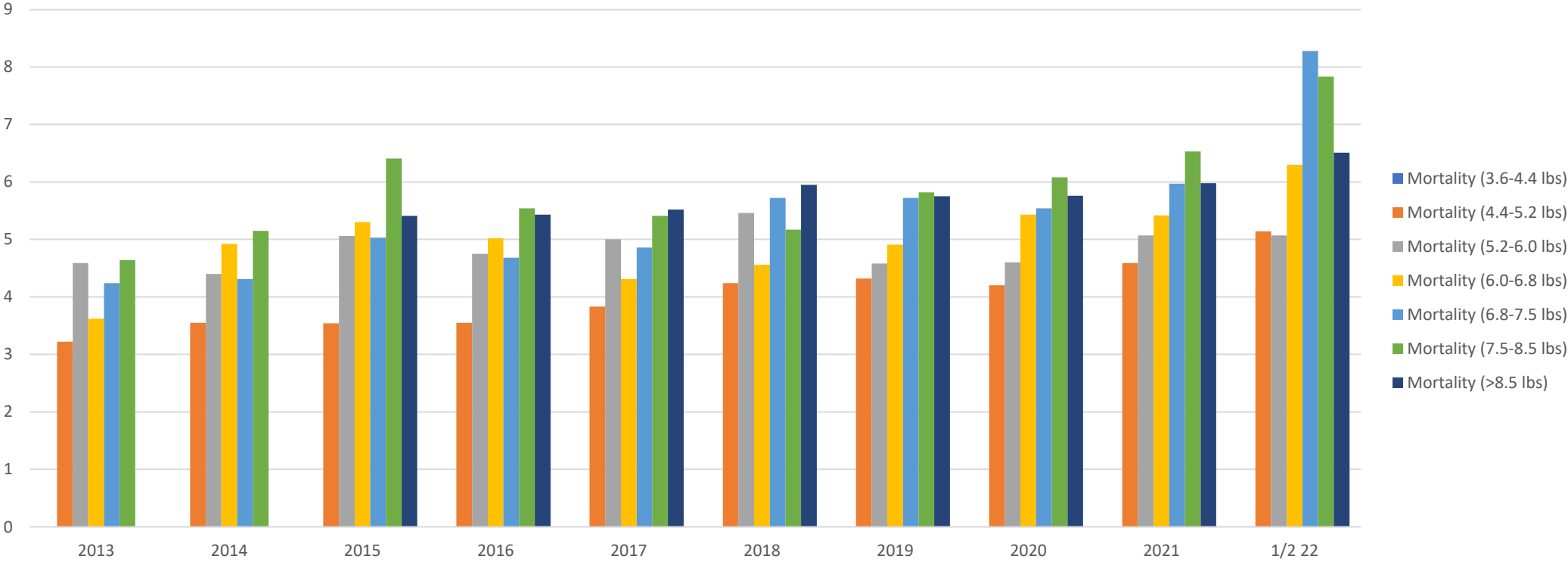
MORTALITY

- ✓ Average mortality for the first half of 2022 is 6.38%. This was close to a 1% YOY increase.
- ✓ 7 Day mortality continued to increase as well. Chick quality/early mortality was ranked again as one of the top 3 issues.



Mortality

Mortality History by Weight Class



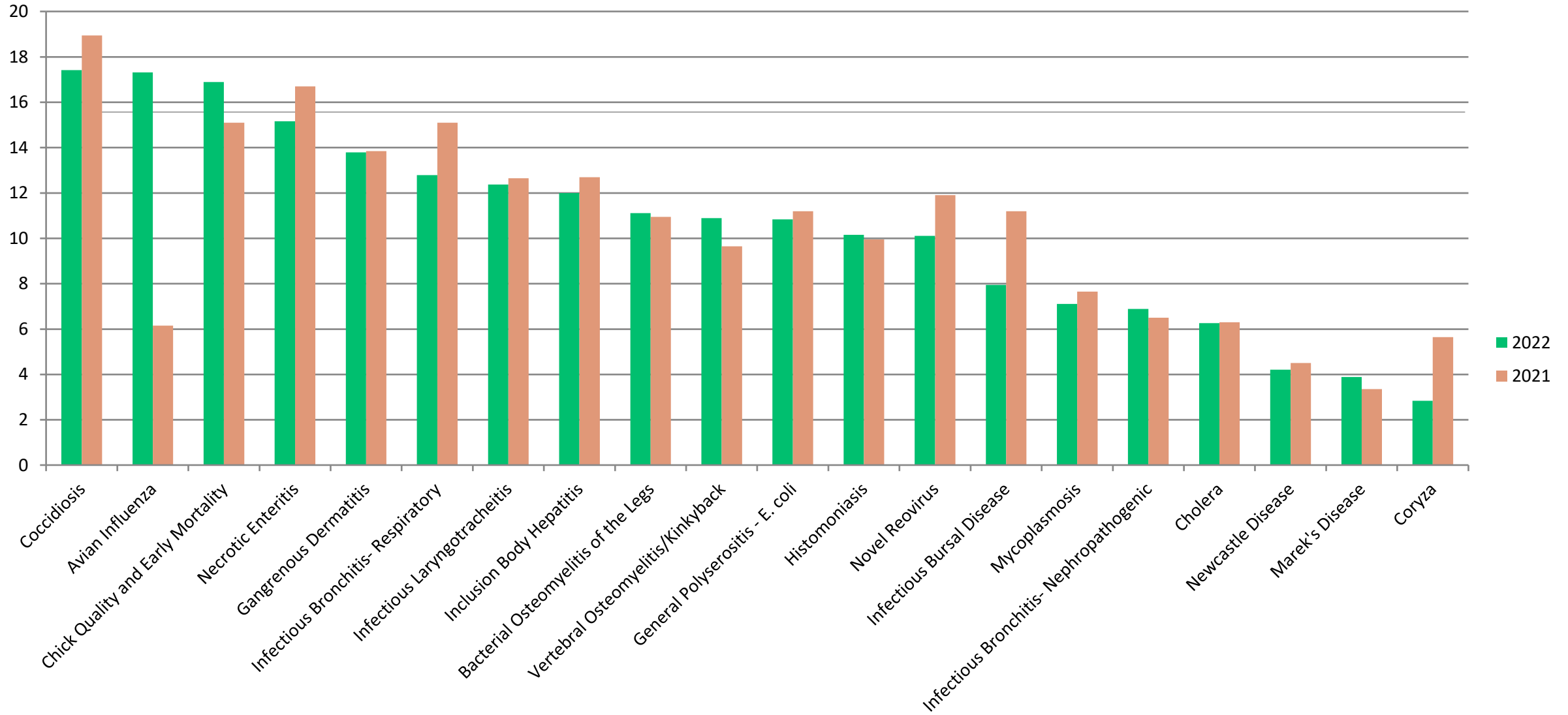
CONDEMNATION

- ✓ Whole birds and parts condemnations increased from 0.255% in 2021 to 0.280% in 2022

2022 MAJOR DISEASE CATEGORIES

Rank	Disease	2022	2021	
1	Coccidiosis	17.42	18.95	↓
2	Avian Influenza	17.32	6.15	↑
3	Chick Quality and Early Mortality	16.89	15.1	↑
4	Necrotic Enteritis	15.16	16.7	↓
5	Gangrenous Dermatitis	13.79	13.85	
6	Infectious Bronchitis- Respiratory	12.79	15.1	↓
7	Infectious Laryngotracheitis	12.37	12.65	
8	Inclusion Body Hepatitis	12	12.7	
9	Bacterial Osteomyelitis of the Legs	11.11	10.95	
10	Vertebral Osteomyelitis/Kinkyback	10.89	9.65	↑
11	General Polyserositis - E. coli	10.84	11.2	
12	Histomoniasis	10.16	9.95	
13	Novel Reovirus	10.11	11.9	
14	Infectious Bursal Disease	7.95	11.2	↓
15	Mycoplasmosis	7.11	7.65	
16	Infectious Bronchitis- Nephropathogenic	6.89	6.5	
17	Cholera	6.26	6.3	
18	Newcastle Disease	4.21	4.5	
19	Marek's Disease	3.89	3.35	
20	Coryza	2.84	5.65	↓

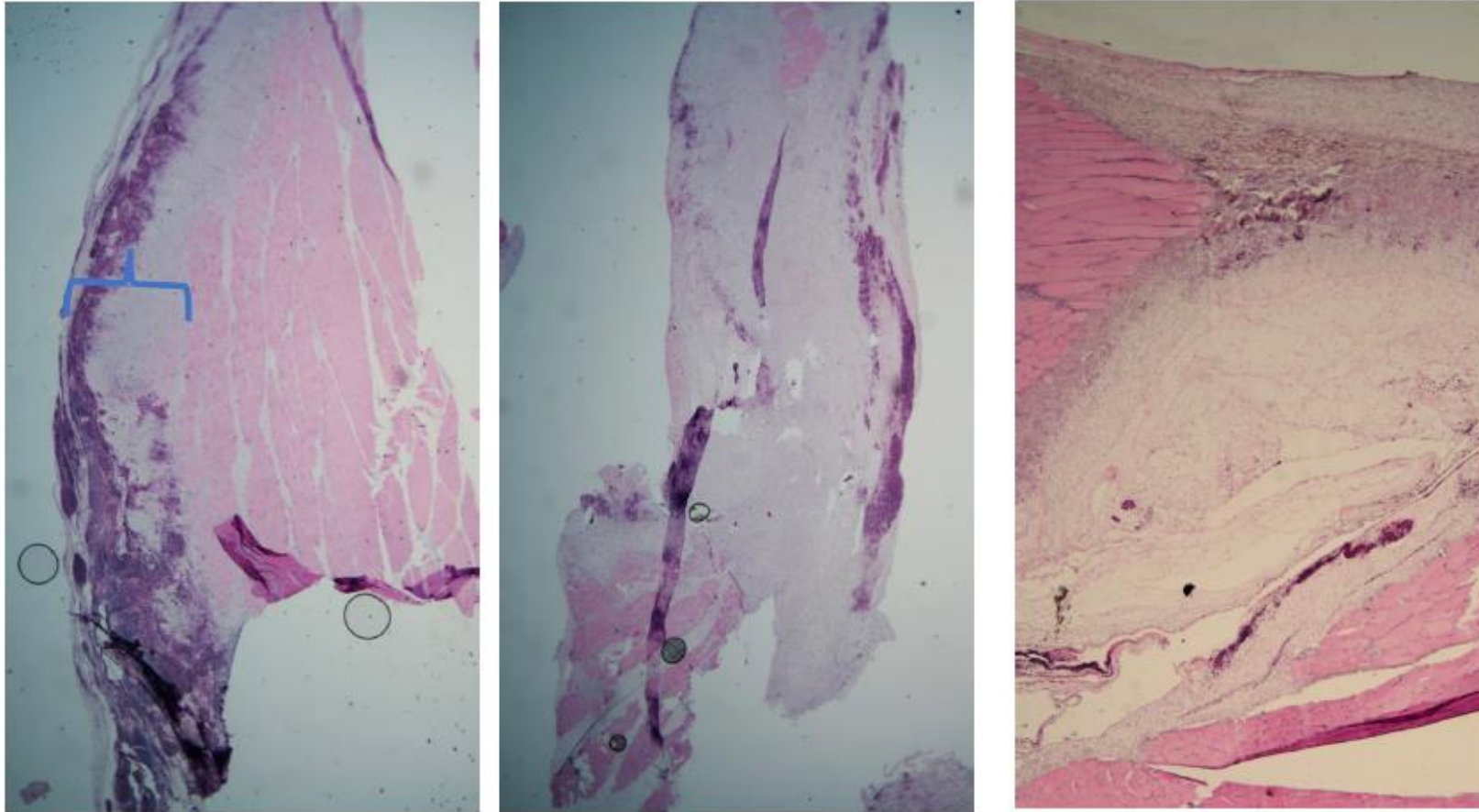
Please rank these DISEASE issues in order of significance to you/your company?



“Duck Walker” Males



Histopathology



43254, muscle and fascia. To the left, bracket show severely thickened muscle fascia, thickened by early granulation tissue development, edema, and extensive hemorrhage. Center, possible myotendon junction with edema, fibroplasia, and hemorrhage. To the right, myotendon junction with edema, fibroplasia, and linear streaks of hemorrhage. Lymphohistiocytic and lymphofollicular inflammation characteristic of reovirus was not observed.

Enterococcus Septicemia

Enterococcus species, cecorum and faecalis

- Known to cause clinical mortality in broilers
 - Polyserositis, Spondylitis, femur head necrosis
 - Polyserositis infections often cause more severe mortality when co-infected with E. Coli
- Passed down to progeny from breeder flocks
 - Normal commensal organism in GI tract of broilers
 - Certain strains are pathogenic, and they tend to have more antibiotic resistance genes



One Company's Experience

Broiler flock mortality at 17-20 days old

- Starts as pericarditis and evolves into polyserositis
- Usually correlates with progeny from younger breeder source flocks, not always
- Often see higher 7 day mortality in these flocks as well
 - See pericarditis and FHN lesions in 4-5 day old birds

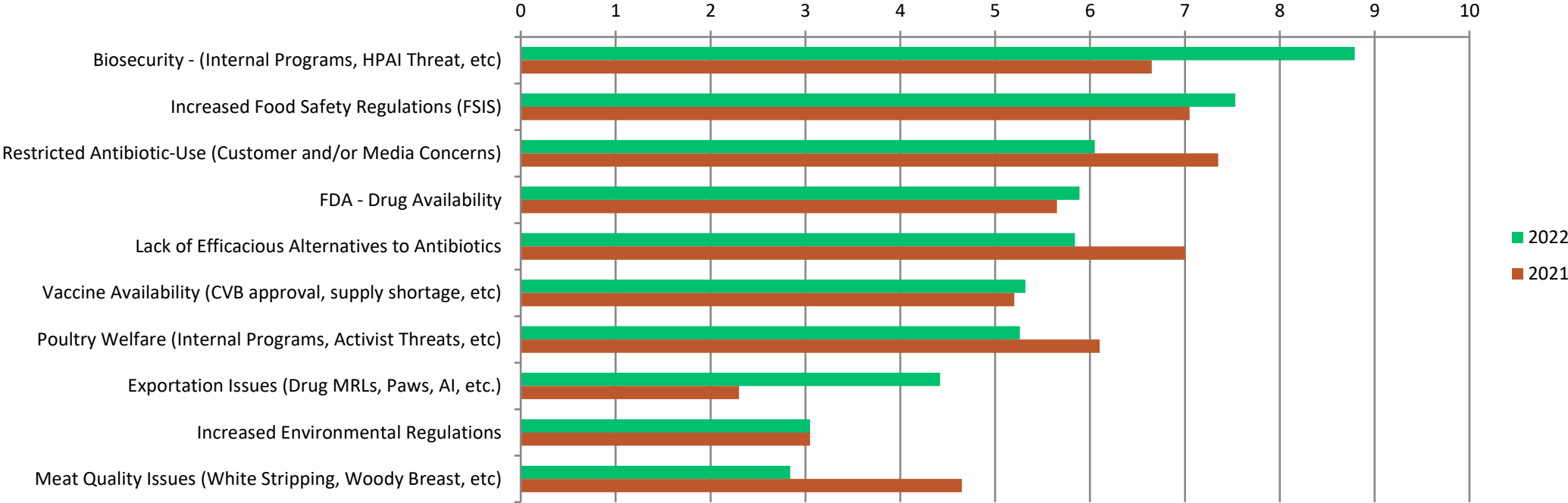
Recently started looking for enterococcus in pullets and breeders

NON-DISEASE ISSUES

Rank	Category	2022	2021	
1	Biosecurity - (Internal Programs, HPAI Threat, etc)	8.79	6.65	↑
2	Increased Food Safety Regulations (FSIS)	7.53	7.05	
3	Restricted Antibiotic-Use (Customer and/or Media Concerns)	6.05	7.35	↓
4	FDA - Drug Availability	5.89	5.65	
5	Lack of Efficacious Alternatives to Antibiotics	5.84	7	↓
6	Vaccine Availability (CVB approval, supply shortage, etc)	5.32	5.2	
7	Poultry Welfare (Internal Programs, Activist Threats, etc)	5.26	6.1	
8	Exportation Issues (Drug MRLs, Paws, AI, etc.)	4.42	2.3	↑
9	Increased Environmental Regulations	3.05	3.05	
10	Meat Quality Issues (White Stripping, Woody Breast, etc)	2.84	4.65	↓

NON-DISEASE ISSUES

Rank the following NON-DISEASE categories in order of significance to you/your company?



CONCLUSIONS

- ✓ Challenging year for Broiler production
 - ✓ Feed Price
 - ✓ Mortality
 - ✓ Condemnation
 - ✓ HPAI

- ✓ Mortality and condemnations are higher YOY.
 - ✓ NAE Production
 - ✓ Early Chick Mortality
 - ✓ Possibly a new Enterococcus challenge

Thank you

