

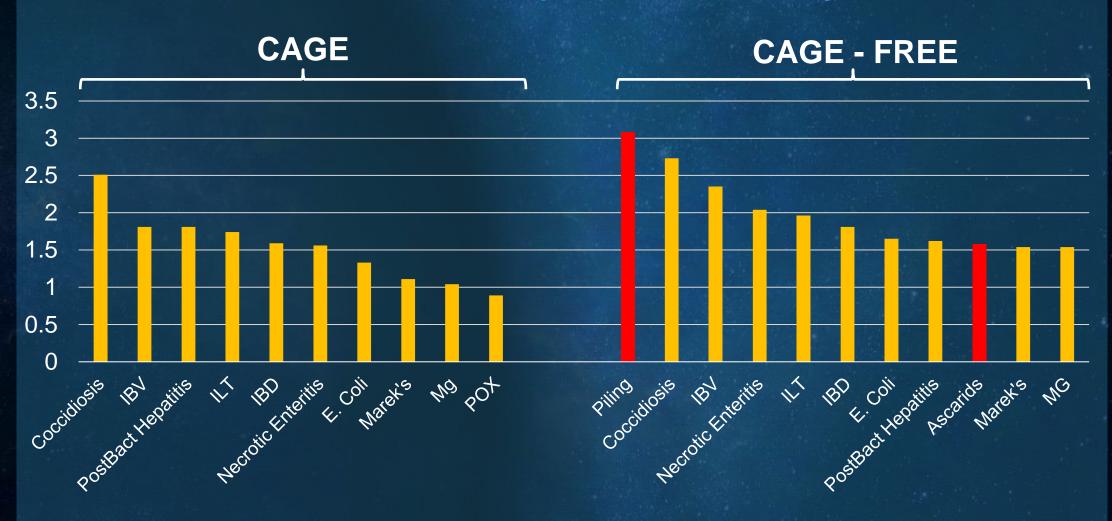
# Health program updates in the cage free management guide

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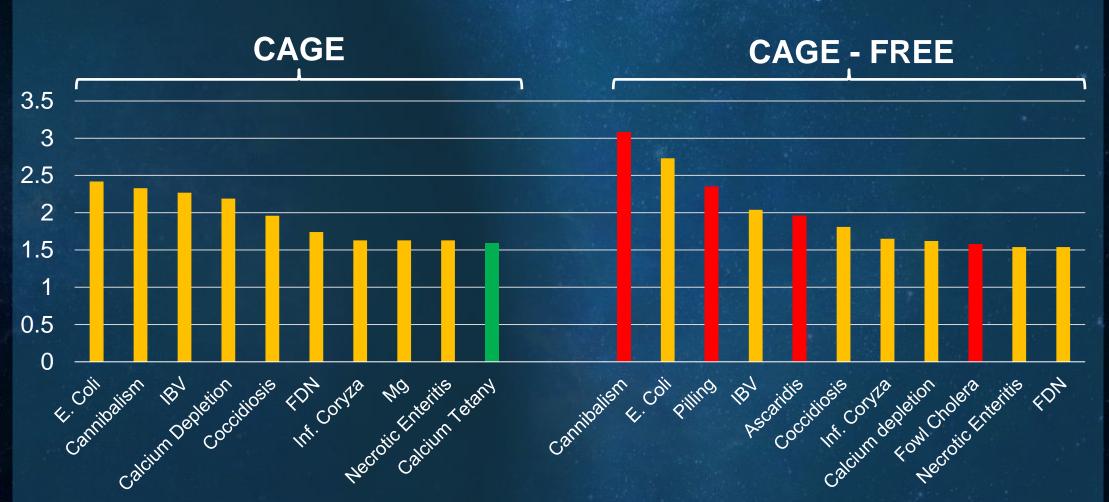
2020 AVEP pullet disease Survey

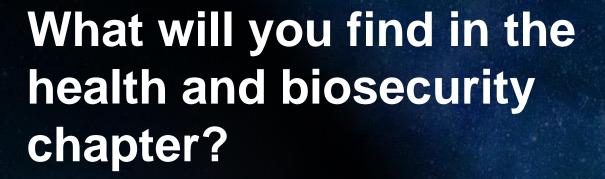






2020 AVEP layer disease Survey



















## **Biosecurity**

- We keep thinking that biosecurity comes first (also in cage free).
- 5 full pages for basic biosecurity rules





HEALTH & BIOSECURITY

\*\*CACCINE MONITORING\*\*

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### Vaccines

- We keep thinking that vaccines play a key role in birds health.
- 1 full page for basics on adapted vaccine programs.
- 1 full page for basics on vaccines administration.
- Half a page for basics on vaccine monitoring



### **HEALTH & BIOSECURITY**

### **VACCINE MONITORING**

of the vaccination program is completed, flock owner submits 25 good serum samiliar on the immune titar levels for a number normally by 15 or 16 weeks of age is a good ples to a laboratory one or two weeks pri- of disease-causing agents. Working with a method for evaluating the immune status of or to the pullets being placed in the laying poultry laboratory to set up a profiling sysa flock of pullets prior to production. Such house to establish freedom from certain term will make better evaluations of vaccinadata also serves as an immune status basedines such as Mycoplasme gall-septicum tion programs and flock conditions possible. Interfer determining whether a field infection (Mg) and Mycoplasma synoviae (Ms) prior to

### Table 33: Serological monitoring

Disease			AmPV	EDS			MS	
Technique	ELISA, HAI	ELISA, HAI	ELISA	ELISA	ELISA	ELISA, PRA	ELISA, PRA	ELISA
Week	15, 25, 45, 65, 85	15,25	1, 15, 25, 45, 65, 85	1, 15, 25, 45, 65, 85	1			

### COCCIDIA

and are likely to have complications with ne- there is a challenge during rearing. Another non-attenuated).

species of the genus Eimeria. They are spe-establishment of immunity against each of first few days of life and must be cycled sevlicate in different parts of the intestine. The poor and does not provide good protection. Ing and robust immunity. For this, not only everity of the disease produced depends. For this purpose, exceldestal programmes their application but also the management on the species and the degree of infestation. can be used as long as they allow partial cy- of the birds in these early weeks must be ers the birds will be stunted in their growth - reduced but immunity can be developed if - on the type of vaccine used distancested or

acervulina
0
5









### Lesion location in the gut for main Eimeria species in chickens





### **HEALTH & BIOSECURITY**

### INTERNAL PARASITES

present when birds do not have access to

They cause a reduction in nutrient absorinfestation this can lead to a deterioration is ion, egg quality and even promote cann

which may be direct or have another inter-

ause damage to the birds.

the cycle by controlling the population of

or drainage and maintenance are nece sary to avoid areas with high egg loads. N&D programmes should include treatments to reduce the peraste egg load

druos repeatedly to keep paraste popu-

### Internal parasites are a common finding in The main parasites found in laying hens







found in the cocum. They are tiny: makes







about 10-15 mm. They have a direct cycle, long-living poutry. They do not normally but earthworms can act as carrier for them. cause damage except in the case of heavy They are not usually harmful in themselves infestations. They usually have cycles wit

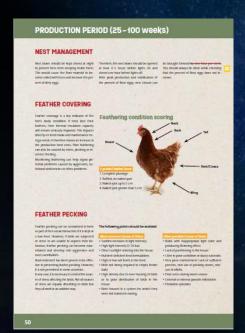
# Internal parasites

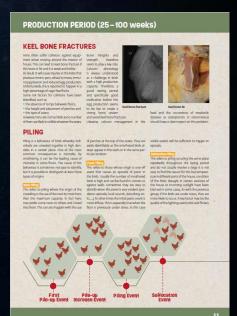
- Internal parasite control is key in cage-free production as the birds are in contact with the litter.
- > 1 full page for basics on worm's control.
- Half a page for basics on coccidia control.

But ... There is nothing in the management guide about behavioral problems?









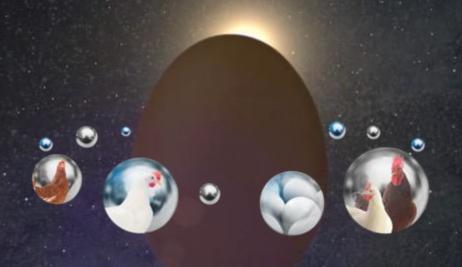


# Behaviour – like issues

- Definitively YES. But it is not included in the health and biosecurity chapter.
- Information about piling, keel bone fracture, feather covering, stress monitoring and others is provided in the different chapters dedicated to the production cycle.



# Thank you for your attention!



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