Nr 17 January 2018

HUBBARD

ON THE FRONTPAGE

Hubbard facility awarded Compartment status

Hubbard is pleased to announce that their French primary breeding operations have officially obtained Avian Influenza Free Compartment status, following the audit conducted by the French Veterinary Authorities under the provisions of Commission Regulation (EC) No 616/2009 and of the OIE Terrestrial Animal Health Code.

"Zoning and compartmentalization are procedures implemented by a Member Country with a view to defining subpopulations of distinct health status within its territory for the purpose of disease control or international trade. While zoning applies to an animal subpopulation defined primarily on a geographical basis (using natural, artificial or legal boundaries), compartmentalization applies to an animal subpopulation defined primarily by management and husbandry practices related to biosecurity."

This newly obtained accreditation comes in recognition of Hubbard's prime health status and biosecurity procedures, and should facilitate trade for the high end chicks or eggs produced from these primary breeding operations.

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5 – 7 February 2018
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6 – 8 March 2018
LIV Venray – The Netherlands

8 – 11 May 2018
PAMED – Tunis – Tunisia

15 – 16 May 2018
British Pig & Poultry Fair
Stoneleigh – United Kingdom

20 – 22 June 2018
VIV Europe – Utrecht – The Netherlands

21 – 23 August 2018
Congreso Centromericano y del Caribe de Avicultura – San Pedro Sula – Honduras

Latest Hubbard Technical Documentation:

Visit the Hubbard Technical Library of the Hubbard website where you can easily download all Hubbard technical documentation you need.

Hubbard Asia Meeting in Bangkok

The Hubbard Technical and Sales bi-annual Regional Meeting was held in Bangkok last Autumn: a time to review internally the latest product performances, share and discuss about the very latest customers' experiences and also, the latest technologies in the various fields of the poultry breeding and production. At Hubbard, customers are placed at the heart of our commitment to ensure their success.

FOCUS ON

HATCH WINDOW, KEY INDICATOR OF GOOD HATCHERY MANAGEMENT

It is widely accepted that a shorter hatch window has a positive impact on post-hatch performance as a good uniformity of the day-old-chicks in the hatchery is the basis for optimal growth performance and good feed conversion (FCR). This gives significant economic benefits, not only to farmers but also to the processing plant because of a higher percentage of prime size broilers.

The importance of the hatch window

A 'hatch window' is the time period between the hatch of the first and last chicks. It is a very good hatchery management tool, providing a good indicator of the incubation conditions, including pre-heating before the hatch.

Chick quality and uniformity can be improved by a hatch window that is as short as possible. First of all, a short hatch window avoids chicks hatching too early therefore reducing the risk of dehydration; dehydrated chicks lead to higher mortality, poor performance and higher FCR. Secondly, chicks that hatch late are not ready at the time of pulling. This results in lower hatchability, chick quality problems, increased late embryonic mortality and chicks which are lazy when placed on the farm.

Normally it is the objective to get the shortest possible hatch window, but it all depends on the type of incubation utilised by the hatchery. Single stage incubation is preferred as this gives a shorter hatch window because of a more uniform distribution of air in the incubators. Whereas multi-stage systems give a longer hatch window, because the temperature in multi-stage incubators is operated at a fixed set point and therefore temperature gradients are created at egg shell level.

The table below shows an example of a hatch window classifications comparing single stage and multi-stage incubation.

HATCH WINDOW	SINGLE STAGE	MULTI-STAGE
VERY GOOD	< 24 h	< 28 h
GOOD	25 – 28 h	28 – 31 h
AVERAGE	29 – 32 h	32 – 35 h
BAD	> 33 h	> 36 h

Table 1: Classification of the length of the hatch window by type of incubation

How to monitor a correct hatch window?

There are several ways or methods to examine the hatch window. Some are accurate and some are estimates. For some it literally means taking out hatcher baskets to count the number of chicks that hatch out at 30, 24, 12 and 6 hours before pulling. This of course disrupts the stability of the hatcher due to the opening and closing of the doors and the time needed to take the baskets from the trolleys. This will have an impact on chick quality. This is the reason why some hatchers have windows for visual inspection.

However, if hatcher trolleys are taken out of the machine to count the chicks that hatched it is recommended to examine only 3 baskets of a trolley. Preferably use the 2nd basket from the top, the middle basket and the 2nd basket from the bottom. This will give a good representation of the whole trolley.

Factors affecting the hatch window

Several factors related to the farm surely can influence the hatch window (see figure 1). This has to be considered especially in case of mixed settings (i.e. multiple flock ages or different egg sizes set in a single setter). In that case the eggs should be placed in a certain location within the setter to optimise incubation parameters following the recommendation of the supplier of the incubator machines.

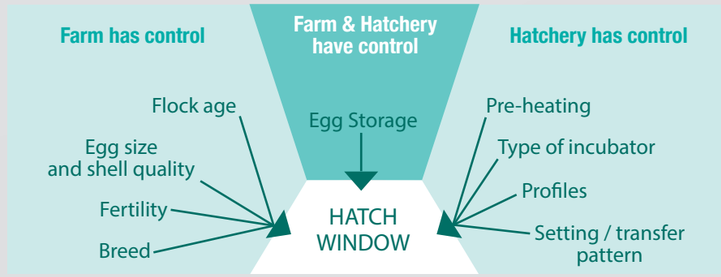

Figure 1: Farm and hatchery factors affecting the hatch window.

Table 2 shows the different characteristics of the egg in relation to flock age: egg weight, yolk weight percentage, albumen percentage and shell weight percentage. Understanding these parameters helps avoiding mixed setting as much as possible, leading to a more uniform temperature within the setter and resulting in a better over-all chick quality.

Hen age (wk)	Egg weight (g)	Yolk weight		Albumen weight		Shell weight	
		(g)	(%)	(g)	(%)	(g)	(%)
30	58.8	16.0	24.4	37.2	63.6	5.3	9.0
40	65.0	19.1	29.6	39.6	61.5	5.7	8.9
50	67.4	20.6	30.9	40.3	60.4	5.8	8.7
60	68.7	21.3	31.3	40.8	59.9	5.9	8.8

Ref. Spotted Cow Press: New developments in Reproduction and Incubation of Broiler chickens (vol. 2 Chapter 52), 2003 eds Robinson FE, Fasenko GM, Renema RA.

Table 2: Different characteristics of the egg in relation to flock age.

However, if egg uniformity is not a problem, the hatch window is mainly influenced by the incubator design and management of it: profiles, pre-heating and setting pattern.

Preventive maintenance is not mentioned but is essential in helping to limit the hatch window. For example, worn door seals and water on the floor of the incubators will have a cooling effect on some eggs and this can lead to longer hatch windows. Calcification on the fans or fan blades also slows down their speed and affects air distribution within the incubator.

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- Having a good hatch window is an indication of good hatchery management.
- It is also an indicator for more uniform chicks that will eventually result in good chick quality, better farm performance and lower first week mortality.
- Monitoring a hatch window will give the correct information about the best time to set the eggs in the machine.

FROM OUR DISTRIBUTORS

Hubbard in Argentina

During the year 2016, Hubbard do Brasil signed a grandparent purchase and operation agreement with GENHER S.A. a company located in the province of Entre Rios, Argentina. This for the production and sales of the Hubbard breeders package. Genher is a subsidiary company of Domvil S.A., a vertical integration well established in the Argentinian poultry industry.

Following the signing of the agreement a state-of-the-art brand new complex with a grandparent farm, grandparent hatchery and a dedicated feed mill was built in 2016 and started operating during the year 2017. During the start-up period Hubbard provided the know how and technical guidance while Domvil made a significant financial investment for this new project, which will be in full production during 2018.

The design, maximises the highest sanitary standards according Hubbard's International Quality Control Standards and protocol. With a capacity to produce 600 000 mated parent females per year and a potential to duplicate in the future, Genher S.A. is an important addition to the growing broiler industry in Argentina. On top, this will permit Hubbard parent breeders will not only be available in the Argentina market but for export to neighbouring countries as well. •

From left to right: Patricio Liberona (Hubbard Technical & Veterinary Services Latin America), Ricardo Bof (Director Genher S.A.), David Fyfe (Hubbard Global Business Director), Alberto Bof (Director Genher S.A.), Olivier Behaghel (Hubbard Latin America South Cone Director), Heber Ramirez (Production Manager Genher S.A.), and Carlos Antonio Costa (General Manager Hubbard do Brasil).

Bangladesh: Third Hubbard Technical Seminar

Hubbard and Poultry Consultant & Development Services (PCDS) jointly organised the third edition of their Technical Seminar on November 25th, 2017 at the Radisson Blu Water Garden Hotel in Dhaka, Bangladesh. Hubbard's two historic GP Distributors in Bangladesh: *Aftab GP Farms Ltd.* and *Paragon Agro Ltd.*, as well as more than 20 of their parent stock customers were attending.

Rafiqul Haque, Chief Executive Officer of PCDS delivered his warm welcome speech to the audience at Antara Hall. David Fyfe, Global Business Director of Hubbard, then updated the audience about Hubbard, its products and R&D facilities. "An Overview of IB variant disease" was the topic presented by Dr. Roberto Santos, Hubbard Technical & Veterinary Services Manager. Mr. Ehsanul Kabir Mosru, Hubbard Regional Senior Technical Manager, addressed "Hubbard's customer support & broiler test farm facilities in Bangladesh".

Engr. Md. Mahbubur Rahman, Executive Director of Aftab GP Farms Ltd., said, "I am very much pleased with Hubbard's support and close cooperation and I am very optimistic about an even brighter future of Hubbard in Bangladesh."

Mr. Moshiur Rahman, Managing Director, Paragon Agro Ltd., expressed his concern on how the poultry industry could best face the new disease challenges in Bangladesh and therefore is looking forward to additional support of Hubbard's experts and a local research team. •

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THE PEOPLE BEHIND HUBBARD

Let's meet with:

Carlos Antonio Costa, General Manager Hubbard do Brasil

Hubbard is pleased to announce the appointment of Carlos Antonio Costa as General Manager of Hubbard do Brasil, a fully owned subsidiary of Hubbard SAS.

Carlos Antonio Costa was born in Patrocinio-MG, Brazil. He graduated in 1981 with a degree in Veterinarian Medicine at the Federal University of Minas Gerais. He also has an MBA degree in Business Management from FGV (Getuli Vargas Foundation Business School).

Carlos Antonio has worked for several major poultry companies such as Cobb do Brasil, Granja Rassi and Granja Planalto. He started his career working in technical services, and later on has been promoted to be in charge of sales strategies and management of the sales and technical teams.

Carlos Antonio joined Hubbard do Brasil as Sales Manager in 2010, where he successfully developed a significant presence for Hubbard in the Brazilian market. In October 2017, he has been appointed as General Manager of the Brazilian operation and the South Cone markets.

MEDIAPILOTE