

Natural



of sustainable development



FAVOR



STIMULATE e immu system

the chemical only in case of proven pathology



Avian Influenza & Co.



Edito

Frédéric GRIMAUD

Avicompost obtains its health approval

Avicompost, a subsidiary of Hubbard, has progressed from a procedure involving windrow turning every 8 hours to a system with 2 turnings only, providing a better temperature rise of the mixture and lower ammonia release. The product is therefore much richer in nitrogen and has similar physical qualities.

The process begins with the simple addition of 4% straw ground up with a mixture of droppings and litter, and an initial moisture level of 70%. The product is mixed, placed in windrows, then:

- First turning at 3 to 10 days after piling.
- Continuous control of the temperature, which is above 70°C for approximately 48 hours.
- Second turning at 8 to 10 days before emptying the hatchery, to ensure hygienisation and homogenisation of the product, as well as its presentation.
- After a minimum of 21 days of composting, the composted product is transferred to the maturing area for 2 months before being sold.

Avicompost in numbers:

- Liquid droppings: 4500 T (60%)
- Manure: 250 T (3%) with a base of wood shavings
- Litter: 2800 T (37%) with a base of wood shavings
- Total: 7500 T

Compost: 4800 T, i.e. yield = 64%

Avicompost has just obtained its health approval, and the very high quality of the product will allow us to maintain our sales despite the complete congestion in this market.



Above, Joseph and Yvon of SARL Banners ensuring the work on the site.

Natural Concept by



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Biology at heart of sustainable development

A disinfectant-free hatchery!

Seven months ago, the company Grimaud Frères Sélection took over a duck hatchery which had been operating for 10 years with no use of disinfectant... This hatchery from the 1980s was properly maintained, with the kind of design and materials common to its time, when progress was slow but steady and compliance with biosecurity rules was not unusual.

So why had the decision been made to operate without disinfectant or any other alternative?

There is an interesting explanation, especially given that the health conditions met the high standards of Grimaud Frères Sélection.

Following inadequate application of cleaning and disinfection methods, **a biofilm formed over time**, and a prolonged contamination incident required the hatchery to rethink its practices.

- The first vital step before revising the procedures was elimination of the biofilm, the protective layer which traps bacteria and nutrients, thereby constituting a nutritional reservoir for bacteria, which can then colonise other surfaces.
- The second step was to implement a sustainable cleaning method to prevent biofilm formation while continuing to operate without disinfectant.

What is this tried and tested method?

The single phase involved is cleaning, which consists of removing organic, mineral and microbial residues, and is carried out in very thorough fashion. Low-pressure high-volume equipment is only used for surfaces containing high levels of organic materials (hatcher, hatching room). For other less dirty surfaces, and to finish off the cleaning of dirtier surfaces, a sponge or microfibre cloth, a little elbow grease and some detergent are the main requirements. A squeegee is also an essential tool in this hatchery, so as to never leave stagnant water.

This cleaning method has several advantages:

- From a health perspective:
 - Minimises the use of water, as water can promote microbial growth and be a vector of contamination.
- From an economic perspective:
 - Lowers water charges;
 - Considerably reduces the cost of cleaning/disinfection products (disinfectant is only used on 'risky' materials of external origin before introduction into the hatchery).

The company Grimaud Frères Sélection, always keen to reduce its environmental impact, intends to replicate this method in another of its hatcheries in 2016.

A new product from Filavie: F1LAGEL!



For chicks, there are numerous sources of bacterial contamination, including the shell, the nest, handling, transport, the hatchery, and the hatching process itself.

The objective is to be able to reduce bacterial pressure and maintain chick quality. This is why FILAVIE works to introduce positive or "barrier" bacteria as soon as possible:

- FILAFILM, sprayed over the environment and eggs in the hatchery to reduce bacterial pressure.

- FILAGEL, which is prepared in the hatchery. It contains electrolytes, vitamins, and FILACTIS bacteria. Made available to chicks in boxes, before departure, it will give them a better start while also reducing animal bacterial contamination.



FILAGEL placed in crates

Disease tolerance - The Natural Concept

Choice Genetics continues to lead the focus of combating health challenges by directly selecting animals for disease tolerance. The goal of the program is not to create an animal that is resistant to a specific strain of a virus, but to develop an innate immune response strong enough to fight off the infection without ever

presenting signs of illness. The tolerant animal will show mild to no symptoms from an infection, whether it is bacterial or viral. This lack of physical reaction to both types of infection defines the program as notably advanced.

The development of disease tolerant technology in the Choice Genetics breeding

stock will allow producers to reduce the need for antibiotics in their respective production systems. This will allow Choice Genetics to supply the most effective breeding stock for producers looking to fulfill the growing consumer demand for antibiotic-free meats.

In general, Choice Genetics's unique selection strategies will allow for some of the best average daily gains and feed conversion among any genetics company.



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