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Quality Assurance in Broiler Production (KIK) in Denmark

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The KIK idea came about back in 2000. The vision was to make a complete setting for quality assurance and documentation in the whole production chain in the Danish broiler production. At the same time the number of documents to be received, completed, signed and forwarded in connection with the production of broilers would be reduced. The idea of providing the final product with a quality stamp seemed obvious. The vision was that Danish broilers should have the best documentation in the world.

Thirty broiler producers were selected, and the guidelines for the contents of a KIK database were prepared in collaboration between various working groups. Today, in 2009, the entire framework is in place and Danish broiler producers are now reporting to a central database where all the information about their individual batches of broilers is located.

Even before the broilers arrive in the house, information about the age of the parent stock, which farm they come from as well as stocking data are entered into the database by the hatchery. The hatchery provides the individual producers with this information so that they can subsequently see their property in the database via their own logins. There is information of the various houses for each property.

Some of the database is accessible for the hatchery for entering information specifically about breeder flocks such as information about salmonella results, vaccination programmes, etc.

Every day, the producer must report key figures regarding the environment in the house (temperature and air humidity), mortality and any reasons for killing broilers in the flock. On certain days during the production process, more specific information must be reported such as the current weight in the house on a specific day. For producers with SKOV production computers, the FarmOnline® management system makes it possible to transfer daily key figures directly from the production computer to the KIK database.

Once the animal feed suppliers have delivered feedstuff, all the necessary and relevant information will be entered into their parts of the database, for example traceability data (batch number, driver number, etc.), but also quality information such as whether the feed contains GMO or not, or which coccidostat is used.

If a visit from the vet becomes necessary, information is reported to the veterinary authorities through the KIK database.

Before slaughtering, the necessary documents can be completed electronically via the database and the slaughterhouse can inform the producer about the slaughtering time also via the database. After slaughtering, the producer can obtain the slaughtering results and broiler payment information via his access to the database.

The objective was to move the collection of all information/documents regarding batches of broilers from the broiler producer's desk to the electronic KIK database to which all relevant bodies have access; and this objective has been met. Finally, the KIK database can be used to extract average production results, either regarding total production for a specific period of time or more specific information such as results from houses with a specific type of feed pan compared to a different type of pan.

House	Rotation	Day	Status	Action
Hus 1	200928	0	Reports ready	Show details Edit rotation
		0	Not sent	Show details
		-1	Not sent	Show details
		-2	Not sent	Show details
Hus 2	200930	1	Reports ready	Show details Edit rotation
Hus 3	200929	0	Reports ready	Show details Edit rotation

There are currently no KIK alarms

FarmOnline® - key figures to the kik database

The objective of complete traceability has also been met. All information regarding each individual broiler is available here, all way back to its grandparents, thus ensuring great reliability in connection with the detection of e.g. salmonella in the finished product. This is not only good for the customers, the Danish poultry slaughterhouses have also been given a long awaited tool for documenting the broilers' way to the refrigerated counter to their buyers.

The FarmOnline® KIK module is nominated as a three-star EUR novelty and will be exhibited at the exhibition Agromek 2009.



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