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Warning system approach for veterinary meat inspection in poultry slaughterhouses

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Book of Abstracts

'EGGMEAT 2017'

XVIIth European
Symposium on the
Quality of Eggs and
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XXIIIth European
Symposium on the
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EGGMEAT 2017
3-5th September, Edinburgh, Scotland

Keywords: high altitude, oxygen, high incubation temperature, breast muscle development, broiler

MEAT_V_SO_3

WARNING SYSTEM APPROACH FOR VETERINARY MEAT INSPECTION IN POULTRY SLAUGHTERHOUSES

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The European Union recommends implementing alternative methods for meat inspection using risk analysis principles. To this aim, we developed an alternative method for poultry meat inspection based on a two-level warning system: information flow from observers to controllers. It was tested on a sample of slaughterhouses for one year in 2012-2013. All slaughtered flocks were inspected according to this method and all data were continuously recorded (indicators, events, actions). The analysis included 2,558 flocks, representing more than 17 million poultry. Half of the flocks showed at least one of the indicators on alert. Among them, 91% of alerts were detected by the observers, and 87% of alert transmissions were well received by the controllers. Our results highlighted the following areas of improvement: updating of some warning criteria, communication optimisation between stakeholders, and enhanced feedback. In conclusion, this warning system guarantees the achievement of sanitary meat inspection thanks to a system based on risk analysis, in which tasks are shared and skills and knowledge are optimised. The alert system is efficient thanks to its ability to detect alerts early, this is ensured by adapted warning criteria, and enables a harmonisation of practices and communication.

Keywords: poultry, meat, sanitary inspection, alert system

MEAT_V_SO_4

ADVANCED TECHNOLOGIES FOR DETECTION AND ANALYSIS OF BROILER MEAT QUALITY WITH NOVEL MYOPATHIES SUCH AS WOODY BREAST

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Fast-growing big broilers (>6 lbs live weight) present meat quality challenges due to novel myopathies such as woody breast (WB) and white stripping (WS). Moreover, modern broiler strains strains with efficient feed conversion ratios capable of reaching 6.2 lbs using 1.89 lbs feed/lb meat in