



## OUTSTANDING RESULTS

### AT SUFFOLK FREE-RANGE EGG PRODUCTION FACILITY

**IN AUGUST 2018, 4 WEEKS AFTER THE ARRIVAL OF THE NEW FLOCK IN JULY 2018, THE OWNER INFORMED US THAT AFTER JUST 2 WEEKS HE COULD SEE CHANGES IN THE FLOCK, IN FACT THE FLOCK STARTED PRODUCING 2 WEEKS EARLIER THAN THE PREVIOUS FLOCK OF 2017.**

Paradoxically, as the egg production percentage started to go up, the feed consumption started to reduce! In fact at the point of writing this study, feed was reduced by 8% and egg production increased by 4%, the facility is currently running at 98.14 % efficiency. Other findings were that second grade eggs were reduced by up to 30% and interestingly the numbers of brown eggs increased.

It was also observed that when "Red Mite" medications were applied, there were no negative effects on the birds, in terms of feeding and egg production; this was not the case before the application of Xcelbio (L). The manure consistency also changed into a more viscose state, making housekeeping easier to manage, plus a major reduction in ammonia content, another important point in the birds improved health.

When Xcelbio (L) is used to replace chemicals in bird's drinking water, a noticeable effect on the performance of the digestive microflora and presumably improvements in the membrane transfer processes of the digestive tract were observed. There are evidences to suggest that without chemicals the immune system of the birds is enhanced resulting in better performance and it is believed that the improved membrane transfer increases calcium levels, which could explain stronger egg shell quality, reducing the numbers of seconds.

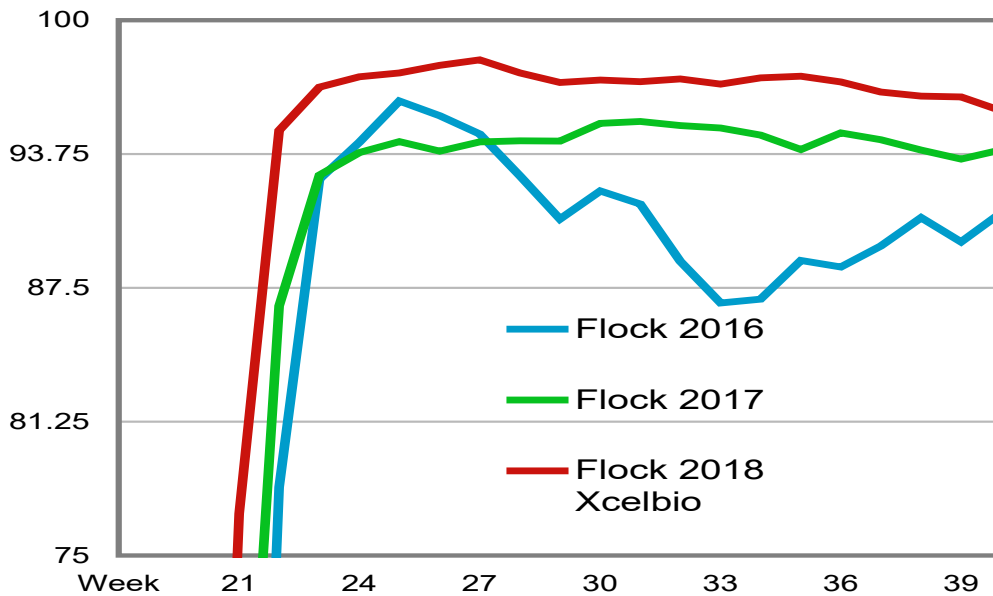
It was often thought that if chemicals were replaced by Xcelbio (L), the birds resisted challenges more easily, but there was no available data to support these observations. Now the results show that Xcelbio (L) treated birds cope with the environmental and disease stresses of the intensive production environment more readily and this is the major contributor to the benefits of this technology, plus of course, the major financial benefits.

Xcelbio (L) is produced on site in our catalyst production unit (CPU) and the only requirements are potable water and a standard 230V power point. The activated Xcelbio (L) liquid is pumped directly into the header tank.

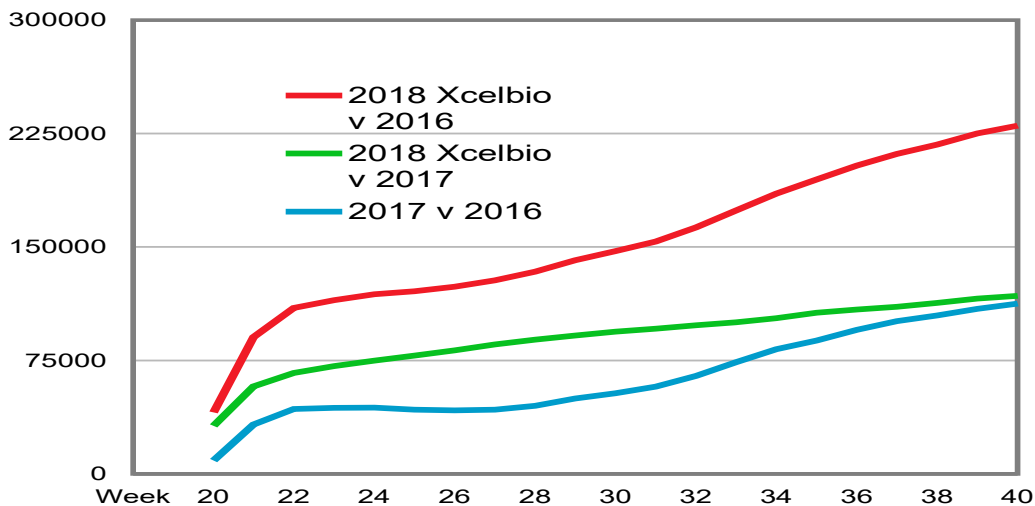
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 AT SUFFOLK FREE-RANGE EGG  
 PRODUCTION FACILITY



**% EGG LAY PER WEEK**



**DIFFERENCES IN TOTAL EGGS**



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