



BROILER PRODUCTION AND THE ENVIRONMENT WHERE IS THE LINK?

A GLOBAL CONCERN

Human activities, both industrial and agricultural have significantly increased the amount of biologically active nitrogen compounds within the local environment.

Today the main forms of nitrogen which pollute the atmosphere are :

Nitric Oxide (NO), NO₂ and NH₃ as dry deposits
NO₃⁻ and NH₄⁺ as liquid deposits

It is well recognised that high levels of such compounds can produce changes in the ecosystem detrimental to the health and well being of the incumbent species.

What is the European position?

The Gothenburg protocol was signed in 1999. This protocol set a reduction of emissions of ammonia by 15% between 1990 and 2010.

As a provider of nutrition products to the animal feed industry Pancosma accepts it has a responsibility to participate in this protocol.

NH₃ emissions in the broiler houses.

Data from the literature demonstrates varying levels of NH₃ emissions during broiler chicken production:

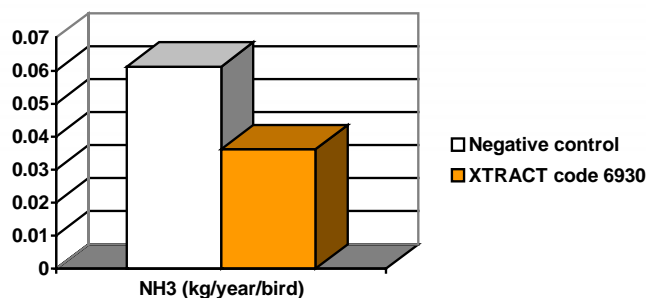
- from 120mg/day/bird or 0.043kg bird/year (Muller 2003)
- to 930mg/day/bird or 0.339kg/bird/year (Burns 2003)

Why Can Xtract 6930 help?

XTRACT 6930 is an encapsulated standardised combination of plant extracts. Research has indicated the effectiveness of XTRACT in improving protein metabolism within monogastric species. In broilers this can reduce the production of uric acid, the main pre-cursor of released ammonia.

XTRACT – The evidence

Recent trials in Europe have demonstrated that the addition of XTRACT to a broiler feed can reduce the reduction of ammonia emission from 0.0612 to 0.0362kg/bird/year or 42% - highly significant.



Adding XTRACT to broiler feed can make a significant improvement to surrounding environmental conditions, even better than directed by the Gothenburg protocol.