

Salmonella inhibitors in feed

Salmonella inhibitors in feed have been used for Breeder feeds on a regular basis for several years now. Serious consideration is being given to the use of them in standard layers diets for the future.

There are a number of products on the market which have been used over the years but the latest addition by Kiotechagil called pHorce seems to have "raised the bar" in terms of effectiveness. The inclusion level is 1kg per tonne of finished feed and the cost is £1.50 per tonne (recommended manufacturers price)

pHorce

This is the latest product produced by Kiotechagil (the manufacturers of Salkii) used as a salmonella inhibitor in feed.

Unique combination of free carboxylic acids and their ammonium salts on a micro-pearl carrier:

- Controls enteropathogens in raw materials and finished feed.



Provides enhanced acid levels in the upper digestive tract:

- Effective pathogen control minimises enteropathogens passing through the stomach and foregut to colonise the hind gut thereby improving performance.

Improves mineral availability:

- Enhances availability of mineral sources.
- Effectively forms acid mineral salts for rapid absorption.

The acid combination contains propionates to help prevent mould growth and the risk of mycoses and mycotoxins:

- pHorce in feed during pelleting or meal mixing ensures the bacterial kill is maximised and the press is protected against contamination during cooling, conveying and storage.

- In feed, pHorce protects against recontamination in bulk transport and feed bin storage, especially important between production periods.

Less volatile and corrosive than straight liquid acids:

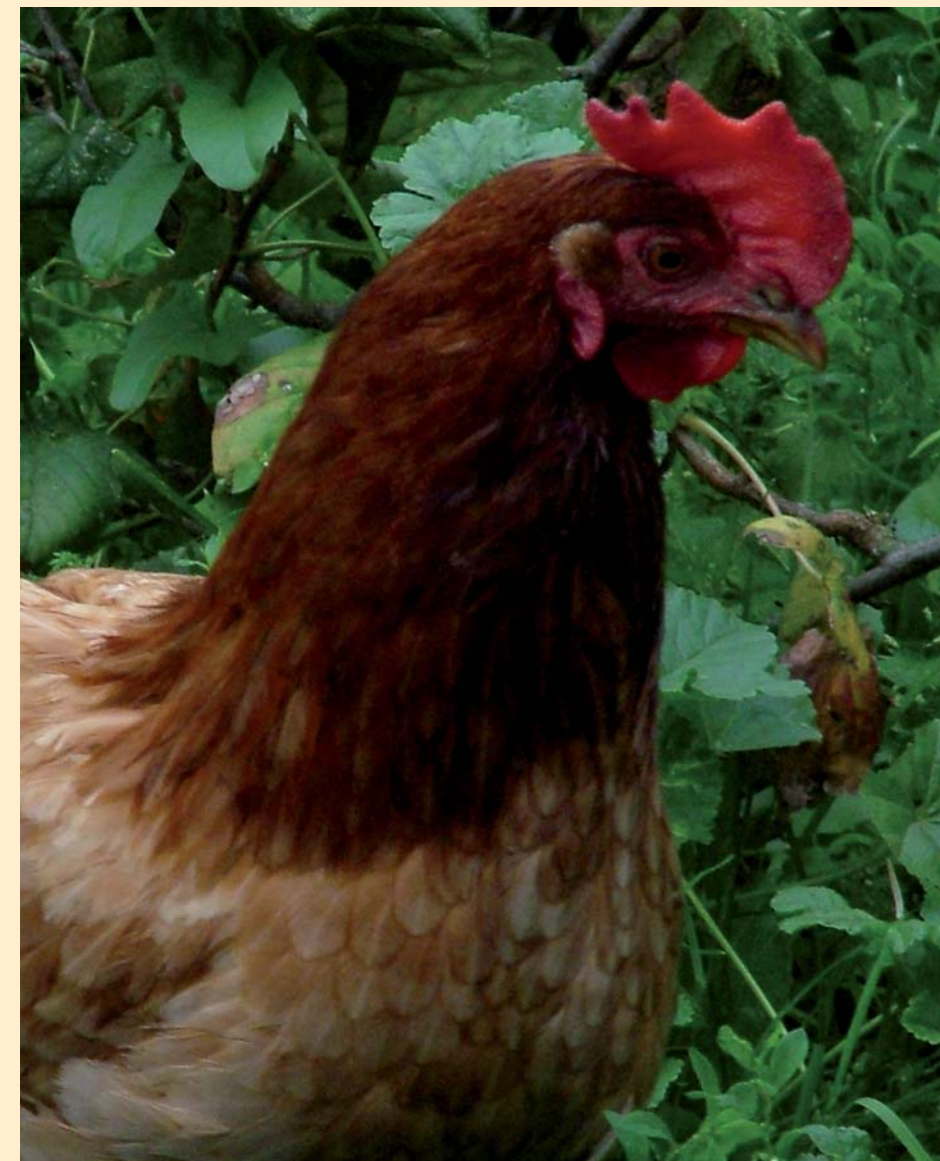
- Buffered to pH 3.5 with ammonia making it safer to use in the feed mill.

Very high surface area due to the micropearl carrier:

- Provides rapid volatility of monomeric form of active ingredients to penetrate feeds.
- These undissociated acids have better antibacterial activity than liquid equivalents.

Free flowing property:

- Ensures excellent dispersion within the finished feed.
- Free from respirable silica and fibrous materials while durable enough to be added to mineral/vitamin premixes.



Chris Grubb
T: 07826 916919

If you would like more information on the above product and how it can help you control the risk of salmonella please ring Chris Grubb on **07826 916919** or the St David's Poultry Team on **01392 872932**.

South and Western Chicken Industry Association

We will be at the South and Western Chicken Industry Association Trade Fair and Conference at Padbrook Park Hotel, Cullompton on Wednesday 22nd April 2009.

Entrance to the conference is free so do come and say hello if you are attending.

Pay as you go, Retainer and Salmonella scheme

The practice offers the following schemes to enable clients to operate their business in the most cost effective and efficient manner thus ensuring that all veterinary and legal requirements are met for the health and welfare of their birds.

Blue scheme

This registers you as a customer of the practice and all services are then paid for as you choose to use them. This gives you complete flexibility and free 24 hour telephone advice.

Silver scheme

This registers you as a customer of the practice plus:

- Free annual visit with Veterinary Health Plan for auditing purposes
- One set of free post mortem examinations
- Free phone advice
- Free prescriptions

Gold scheme

This gives you the same as the Silver Scheme but allows for four free annual visits. Two of these visits will be from a veterinary surgeon and two will be from Chris Grubb. Several customers have requested a higher level of involvement on a routine basis to monitor their production problems and this scheme allows for reduced cost inputs.

Salmonella scheme

For clients producing under Lion Code and Freedom Foods we offer a scheme to help the client reduce their testing costs. You pay a monthly fee for the first house tested and a reduced fee for each subsequent house.

This fee covers:

- All laboratory testing charges
- Salmonella testing kits
- Free Annual visit
- Veterinary Health Plan
- Free feed scripts
- Reduced drug and hourly call out charges

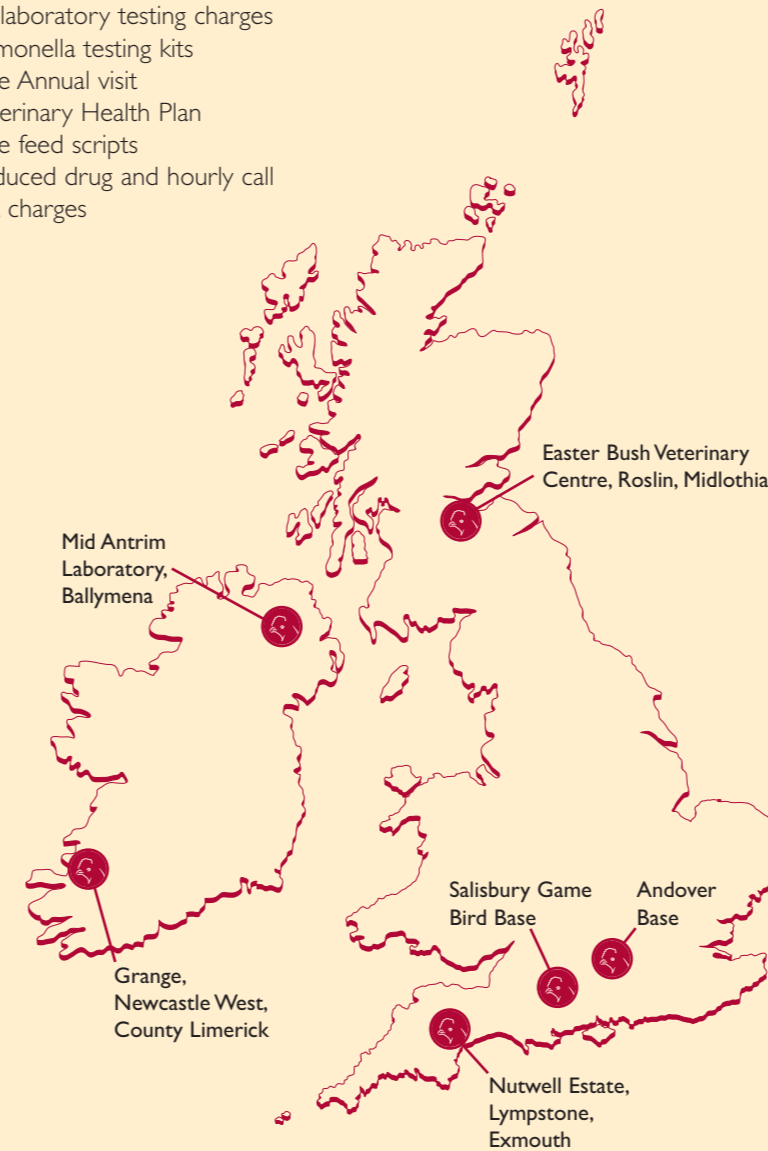
Bespoke scheme

We will set up vet schemes for groups of farmer to meet their own specific requirements. Please contact us for more details.



Kayleigh Walters
T: 01392 872892

For all farms on no specific scheme we charge our consultation time at competitive rates and invoices are sent monthly. For low usage this is sometimes the best way. Please contact Kayleigh Walters in the office for more information and current prices of these schemes.
Email: kayleigh@stdavids-vets.co.uk



Contact us

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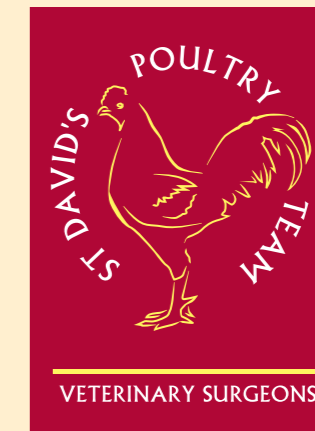
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St David's Poultry Team Newsletter

February 2009

The National Control Programme for Laying Flocks

The National Control Programme (NCP) for Salmonella in laying flocks requires that from 1st January 2009, eggs originating from flocks infected with Salmonella Enteritidis or Salmonella Typhimurium cannot be sent for human consumption unless they are treated in a manner that will guarantee the elimination of Salmonella (i.e. pasteurisation/heat treatment).

The NCP apply to everyone who produce eggs on a commercial basis except where all production is for private domestic use (i.e. the eggs are not entering the market) or the holding has fewer than 350 hens and supplies direct to the consumer (i.e. farm gate sales) or via local retailers which only supply the final consumer.

Egg producers will need to sample and test all eligible laying flocks during the rearing phase and also during the egg production:

Chick delivery

- One chick delivery box liner (or hatcher tray liner taken at the hatchery) for every 500 chicks delivered. Up to maximum 10 for every batch of chicks delivered.



- Carcasses of all dead-on arrival chicks (maximum 60) from each hatchery delivery.

Pullet rearing

- Pairs of boot swabs (for floor rearing) or one large composite faeces sample (for cage rearing) two weeks before moving to layer unit/house.

During lay

- 2 pairs boot swabs (barn or free-range) or 2 x 150g composite faeces samples (cage) taken at:
 - Between 22-26 weeks of age
 - Then every 15 weeks during production

For those producers in the Lion code there is also samples to be taken at clean-out of rearing and laying houses and a dust sample is still required at the same time as the samples taken two weeks prior to moving to the laying house. All samples must go to an approved laboratory.

If a suspect non-vaccine strain Salmonella Enteritidis (SE) or Salmonella Typhimurium (ST) is detected in an operator sample you will be immediately informed.

Arrangements will be made for the collection (without charge) of an official confirmatory sample by a government inspector and tested by the VLA. If this is negative then no further action will be taken.

If you are unclear about what samples to take, or how to take the samples or where to send them please contact one of the vets at St David's and we will help you. But remember taking these samples is now a statutory requirement.

Official samples

The NCP requires that these samples will be collected annually from one flock on all holdings with more than 1,000 birds and to confirm the presence of Salmonella Enteritidis or Typhimurium in a flock when an operator sample returns a positive.

Also official control samples are collected in all other laying flocks on the holding where Salmonella Enteritidis or Salmonella Typhimurium is confirmed in one laying flock on the holding or when a new flock is placed in a house in which the last flock was found to be positive.

When the official sample is taken, this may replace the routine 15 week sample taken by the operator.

If an official sample is positive

If an official sample is positive for non-vaccine strain SE or ST then eggs from the affected flock cannot be sold as Class A. The eggs will be placed under restriction immediately after you are notified of a positive result on the official sample.

The official control sample requires the collection of dust as well as faeces. If only the dust sample is positive then fortnightly repeat faecal sampling will be carried out on up to four occasions and if all these samples return a negative result, the flock will be considered negative for Salmonella.

If you have a positive official sample it will be possible to request a voluntary additional tests to rule out an initial false positive result. This can be:

- 5 pairs of bootswabs (free-range or barn flocks) or pooled faeces samples (cage flocks) and 2 dust samples,

- 300 hens (carcasses) or
- 4,000 eggs

If this test is negative, restrictions on the eggs will be lifted and normal production can resume. However whilst the samples are being collected and tested all eggs from the flock will remain on restrictions and must either be kept on the holding or marked as Class B.

The official DEFRA guide for the National Control programme for Salmonella in laying flocks can be downloaded from www.defra.gov.uk.

Salmonella control

Control of salmonella is based on maximising the resistance of the birds to Salmonella by good vaccination and general good health. However vaccination can not give 100% protection and farmers must also keep the risk of salmonella challenge as low as possible. This is done through good biosecurity. Your inputs to the bird such as feed, water must be salmonella free.



Barry Thorp
T: 07826 916924

Vehicles, people and equipment can all carry salmonella and a high standard of biosecurity is required to control these risks. The bird environment must also be maintained at a high hygiene standard with good control over rodents which represent a particularly high risk. For further advice please contact one of the St David's Poultry Team.



Stop press

Salmonella positive farm tests negative after instituting decontamination program without destocking.

The new branch of St David's Poultry Team in Scotland took on a new client between Christmas and New Year, with a big problem. His multi-age cage layer site had just been found Salmonella Typhimurium positive on dust and faecal samples taken by Animal Health just before Christmas. Barry Thorp immediately visited the farm and instigated a whole raft of salmonella



elimination and control measures – without depopulating the flock.

St David's are very pleased to report that subsequent very extensive testing by Animal Health in early February was completely negative. We believe success

was attributed in large part to the fact that the birds had been properly vaccinated in rear with three doses of live vaccine and the program put in place by St David's successfully removed all environmental challenges within the poultry farm.

Barrie Fleming joins St David's Poultry Team

We are pleased to announce a new partner who has joined the St David's Poultry Team; Barrie Fleming. Barrie joined the team at the beginning of January this year.

He comes with a wide-ranging experience in broiler production; broad knowledge of the turkey and layer industries as well as an extensive understanding of medicines used in the industry today.

Barrie qualified from what he describes as 'probably the best veterinary school in the world', Glasgow, in 1993 and went straight into dairy cattle and sheep practice in Scotland. He then went on to join Elanco Animal Health in 2002 becoming their senior veterinary adviser supporting the poultry business unit. He was responsible for veterinary support of the products produced by Elanco for poultry (medicinal feed additives, anticoccidials and water medications) for the UK and Ireland.

Barrie also provided support to Europe, Scandinavia as well as Asia and the US. As a result, he has gained invaluable experience on poultry production around the world. He currently sits as the veterinary expert on ACAF (Advisory Committee on Animal Feedingstuffs). ACAF advises government on the safety and use of animal feeds and feeding practices, with particular emphasis on protecting human health, and with reference to new technical developments.

Barrie's skill set compliments the already wide range of experience provided by the current members of the team.

Outside of work, Barrie has a family of three (currently ranging from 3 years to 12 years) who take up any spare time he has left over. With any other time that Barrie finds, you will find him either down the dojo practicing his karate (watch out if you make him upset!) or on the slopes of a mountain snowboarding (pretending to be young again!).

A new range of product now available to assist in poultry health

One of the challenges for a veterinary surgeon in treating production animals is the reducing number of drugs available for use which are available for treating specific problems. We at St David's are committed to making available as wide a range of effective products as possible to control disease.

We have long recognised that as you move away from prescription only drugs you have to start looking at various mixes, concoctions, water and feed supplement for which there is very little hard information as to their effectiveness and often very variable quality control in their production. We recently set out to find a range of products which were



supported by good hard data to show they were effective and manufactured to a high and dependable standard.

We are very pleased to be able to announce that after much research we have now secured the distribution of a range of poultry products which we believe will meet some of our clients needs. These are produced in the Netherlands by Kanters Special Products and focuses on drinking water applications.

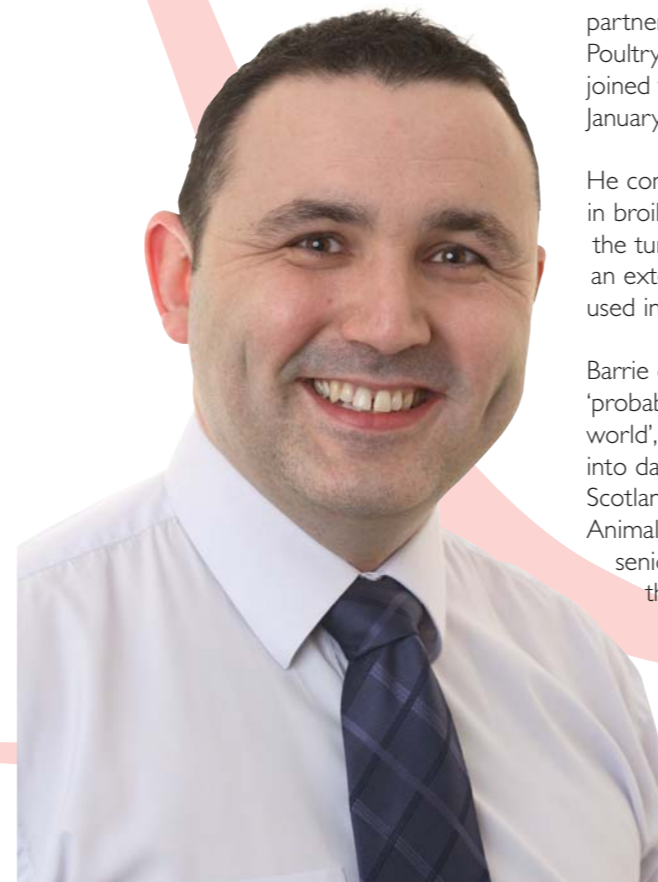
Kanters have more than 20 years of experience with livestock farming, and doing business around the world. They developed their products with nutritionists,

veterinarians, and poultry institutes in The Netherlands. They have substantial test and trial data to support their products. Production standards are excellent as Kanters Special Products is a ISO 9001 and GMP+ certified company.

The Kanters products are all easy to administer and usually dosed at 1l per 1000l drinking water. The following table shows the range and some specific uses for the different products.

The St David's Poultry team can advise on which products and the specific dosage to consider for specific treatment regimes.

Ultimate Acid	Organic acids plus chelated zinc and copper	Positive effect of gut flora, protective against wet litter, vague enteritis, post cocci and other non-specific gut health issues.
Kanters Acid Ca/P	Calcium, Phos and organic acids	Rickets in broilers, poor egg shell quality in breeders and layers.
Pro-Mac	A liquid feed supplement: organic acids, chelated minerals, vits, amino acids, chicory	Improves feed and water intake – may be indicated post transfer; general stimulant to support birds, and prevent weight loss or maximise weight gain. Will help maintain egg production and feed intake in layers. Good to use to start broilers from young source flocks.
Ultimate zinc	Organic acids and chelated zinc	General supportive function, possible use in club down and may help with feathering issues in breeders.
Intesti Flora	Organic acids, oligosaccharides, chelated copper	Stimulates gut health, helps with cocci challenge, improves FCR. May be good for breeders and layers post baycox and reducing the effect of a cocci challenge in rear. May be beneficial in the control of wet litter/dysbacteriosis, but should be started prior to onset.



New products!
Exclusively from
St David's
Poultry Team