



PROVIDERS OF SOLUTIONS FOR LIVESTOCK



GFS-LactoTM
GFS-MixTM

PROBIOTIC SOLUTIONS

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The GFS family of products currently consists of two easy to apply to either by drinking water or can be applied to the feed via a backpack sprayer, they are GFS-Lacto™ and GFS Mix™

GFS-stands for gut flora stabilisers the new EU classification for this category of feed additives. In essence a gut flora stabiliser are probiotics which can inhibit the growth of pathogenic bacteria, improve the immune system and correct the balance of the gut microflora via the drinking water or via oral application.

HOW CAN GUT FLORA STABILISER PROBIOTICS PLAY A ROLE IN POULTRY PRODUCTION?

The importance of a well-balanced gut microflora for adequate health and high performance has been readily recognised, and nutritionists now work on feeding strategies to control the microbial gastro-intestinal tract (GIT) environment by nutritional means.

Populations of bacteria living in the GIT of our birds contains a large and diverse range of bacteria and most of these bacteria form a symbiotic relationship with the host. The important role of GIT microflora in health and disease of animals and humans is increasingly recognised. Nutrition is the most important factor influencing the composition and metabolic activity of the intestinal microflora.

Hatching, feed and water changes, temperature, transportation, new environment, inadequate feed hygiene all compromise the microflora. It should be a goal when formulating diets to favourably influence the microbial community in the gut by using the most suitable GFS Product.

This will ensure the GIT has the beneficial probiotic bacteria so pathogens like E. coli, Salmonella, and Clostridium have less room to grow. Feeding a GFS-product early in life to chicks can help give them a great start to good health and will benefit commercial layers throughout their laying cycle.



Application via the drinking water

GUT FLORA STABILISERS TO PROTECT NEWLY HATCHED CHICKS

In the wild animals pick up their microflora from adult animals and from the environment very quickly. Broiler and layer chicks grown commercially don't have contact with older birds and are usually placed in houses that have been cleaned and disinfected.

Because the house is clean it is very difficult for the young chick to readily establish a well-balanced microflora and so remain unprotected during this period. For the chicks, it is crucial to develop a suitable microflora as early and fast as possible, which can be supported by the application of a suitable GFS probiotic.

Using a back-sprayer, GFS products can be sprayed onto the chicks, or onto their feed or be applied via the drinking water during the first days of life. This will provide beneficial probiotic bacteria that the young chick intestine requires.



Application on new arrivals

GUT FLORA STABILISERS AND ANTIBIOTIC USE

Antibiotic use is being discouraged but sometimes that are essential for the health and welfare of the birds to treat infections.

Many antibiotics when used destroy a large amount of the beneficial bacteria that has been established in the bird. This leaves the bird open to opportunistic pathogens and may not control inflammation.

GFS products can help modulate the immune system. It is very common in the field to see the severe inflammation of the intestinal mucosa regardless of the ongoing antibiotic therapy. GIT inflammation is related to increased velocity of the intestinal contents.

As a consequence, faeces with increased amount of humidity, gas, excess of undigested feed particles or fragments of intestinal mucosa may be seen. The birds immune system is suppressed during times of stress. Their feed and water intake may also decrease during this time, so it will be important to help wherever possible to keep them hydrated and providing supportive products, such as a GFS Lacto™ or GFS Mix™.



Post application

GUT FLORA STABILISERS AND NECROTIC ENTERITIS

Necrotic enteritis (NE) can be one of the most common and financially crippling poultry diseases, which when triggered can cause mortality rates of up to 50%.

Necrotic enteritis is a highly contagious infection of the gastrointestinal tract caused by the spore-forming pathogen Clostridium perfringens.

Most often the only sign of necrotic enteritis in a flock is a sudden increase in mortality. However, birds with depression, ruffled feathers, and diarrhoea may also be seen.

Poor growth rate and feed efficiency of birds become very noticeable by day 35 due to intestinal damage reducing absorption and digestion of feed.



Application via the feed

Agritech developed GFS-Mix™ as it contains a probiotic known to have inhibitory activity against pathogenic strains of Clostridium perfringens and other pathogenic Clostridium spp.

By using GFS-Mix™ this can provide the farmer with an alternative management tool that has the potential to promote better intestinal health by managing the composition of the microbial population in the GI tract, to protect poultry flocks from infections such as Clostridium perfringens and give rise to better performance and better profit margins.

GFS-Lacto™

WHAT IS GFS-LACTO™?

A water soluble probiotic containing Lactobacillus acidophilus for broilers and laying hens for administration through the drinking water.



WHY USE GFS-LACTO™

- ✓ For broilers and commercial laying hens.
- ✓ Supports the development of healthy intestinal micro-flora.
- ✓ Inhibits the colonisation of potential pathogenic bacteria.
- ✓ Regeneration of gut micro-flora after prescribed medication for E.Coli, Coccidia and Clostridia.
- ✓ For better gut health.
- ✓ Increase in egg production, egg quality shell thickness, less dirty and cracked eggs.
- ✓ In broilers increased weight gain and improvement in FCR.

GFS-Mix™

WHAT IS GFS-MIX?

A water soluble probiotic containing Enterococcus faecium and Bacillus subtilis for drinking water supplementation for broilers, chickens reared for laying, ducks, game birds, weaned piglets and pigs.



WHY USE GFS-MIX™

- ✓ For broilers, chickens reared for laying, ducks, game birds, weaned piglets and pigs.
- ✓ Supports the development of healthy intestinal micro-flora of the broiler chick.
- ✓ Inhibits the colonisation of potential pathogenic bacteria.
- ✓ Regeneration of gut micro-flora after prescribed medication for E.Coli, Coccidia and Clostridia infections.
- ✓ When necrotic enteritis is suspected.

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**CONTACT US ON 01743 884940 SO WE CAN CONFIRM THE
RIGHT GFS SOLUTION FOR YOU.**