

Made from 100% natural ingredients, Fixine and Fid Up probiotics are highly palatable, increase food utilization and will build a strong immunity in your herd to maximise their performance and productivity - with clients reporting improvements in overall health, coat and hoof condition, immunity and weight gain. Featuring a long shelf-life, Fixine and Fid Up probiotics are safe and easy to use and cannot be overfed.

## Fixine

Fixine is a "live bacteria" probiotic blend and can be added to hard feed; and is active within seconds of digestion.

### Fixine is Certified Organic and contains:

- Lactobacillus Casei
- Lactobacillus Acidophilus
- Lactobacillus Plantarum
- Enterococcus Faecium
- Bacillus Subtilis
- Saccharomyces Cerevisiae

Every 100g dose contains a typical colony-forming unit (CFU) of up to 40 Billion live bacteria.

Fixine has a 6 month shelf-life.



## Digestive Probiotic

Fid Up is a freeze-dried probiotic formula that is soluble in milk and has been proven to aid with brain and organ development, milk production and overall condition. As a digestive probiotic and vitamin blend it also provides complete digestive system benefits to increase function and immunity:

- Stimulates digestion for feed absorption
- Stimulates the growth of useful intestinal microorganisms
- Reduces the growth of harmful intestinal bacteria
- Removes noxious intestinal gases

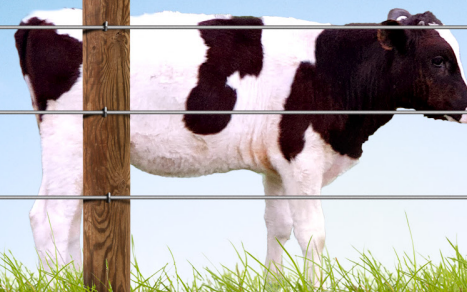
Fid Up has a 12 month shelf-life.

### Active Ingredients:

Enterococcus Faecium DS-EBN-CBG  
 Rhodospseudomonas Capsulata DS-EBN-7  
 Vitamin B1  
 Pantothenic Acid, Corin

info@agribio.co.nz | 0800 246 349 | [agribio.co.nz](http://agribio.co.nz)

For the optimum health of your herd, give them the best start in life



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The stress caused by weaning, dietary changes, and adverse weather conditions can impact on your calves' microorganism population, affecting their health and nutrition.

By introducing probiotics into their rumen as a part of their daily feed regime you can help boost your herd's health and provide them with the best possible start.

## What are Probiotics?

Probiotics are cultures of live "good microorganisms" which, after ingestion, can provide health benefits and positive outcomes for animals - in the same way they do for people.

The health benefits are dependent on the type and strain of the probiotic microorganisms being administered. Our range of probiotics are predominantly to increase digestion, feed utilization and immunity in the digestive system; and assist in preventing undesirable or pathogenic microorganisms from establishing in the rumen.

Probiotics may consist of a combination of different microorganism types and strains.

The use of "good microorganisms" has been widely used in the food industry for many years and the health benefits for people are well-known.

## Why use Probiotics?

When an animal experiences any form of stress, there will be an impact on the viability of its microorganism population in the rumen. By providing the animal with a probiotic with the right combination of "good microorganisms" you can provide their rumen with a boost that can improve their health and performance.

**At any age, animals can be stressed for a variety of reasons, including:**

- Exposure to adverse weather conditions - including cold and heat stress

- Malnutrition - through under feeding or deficiency of certain nutrients (e.g. mineral deficiencies due to inadequate soil levels with grazing animals)
- Sudden changes in diet composition
- High grain diets that lead to low rumen pH levels
- Re-grouping animals - requiring the establishment of a new group hierarchy
- Long distance transportation
- Weaning (separation from their mother)

## Jyle Farms calf trial

Jyle Farms in Mangatainoka conducted a trial of AgriBio's Fid Up and Fixine products - which resulted in the Trial Group calves experiencing significantly enhanced growth rates compared with the Control Group calves.

**After the 8 week trial period:**

- the Trial Group calves weighed an average of 90.9kg, versus the Control Group calves weighing an average of 74.7kg (fig.1)
- the Trial Group calves had an Average Daily Gain (ADG) of 840g/day, versus the Control Group calves with an ADG of 720g/day (fig.2)



## Calf trial process

As the calves arrived they were divided into a Control Group and Trial Group.

The Control Group calves were fed as per normal - milk powder and meal - until they were weaned and placed into paddocks.

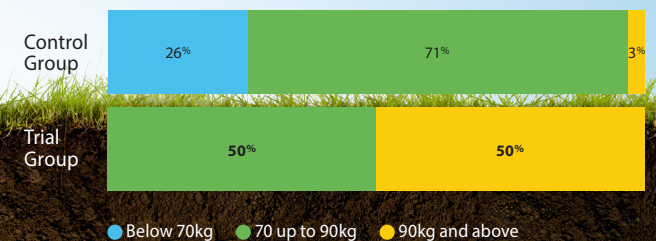
The Trial Group calves were fed as follows: Milk powder with Fid Up added, and meal with Fixine added - until they were weaned and placed into paddocks.

Both groups were on milk for the whole 8 weeks, and eating meal for 6 of the weeks.

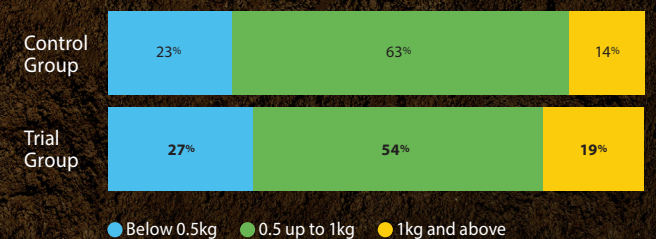
Calves D.O.B vary between 31/07/2019 and 22/08/2019. Start weights of all calves were between 28 and 30kg.

Aside from Fid Up and Fixine being added to feed, all of the calves were treated the same.

**WEIGHTS** Fig. 1



**AVERAGE DAILY GAIN** Fig. 2



For more information contact AgriBio on 0800 246 349 | email [info@agribio.co.nz](mailto:info@agribio.co.nz) or visit [agribio.co.nz](http://agribio.co.nz)