

# Lactoplus - For top performing rumen microbes



BioStart Lactoplus is a prebiotic formulated to improve feed utilisation, milk production and overall animal well-being. Lactoplus helps beneficial rumen microbes thrive and dominate the rumen, improving the digestive efficiency and increasing the overall performance of dairy cattle.

BioStart Lactoplus contains a concentrated blend of enzymes and secondary metabolites from the fermentation of *Lactobacillus acidophilus*, *Bifidobacterium*, *Streptococcus Thermophilus* and *Propioni* bacteria sourced from top performing cows.

BioStart Lactoplus aids in maintaining efficient rumen function and increases digestive efficiency through periods of stress such as feed changes, mating and environmental stress.

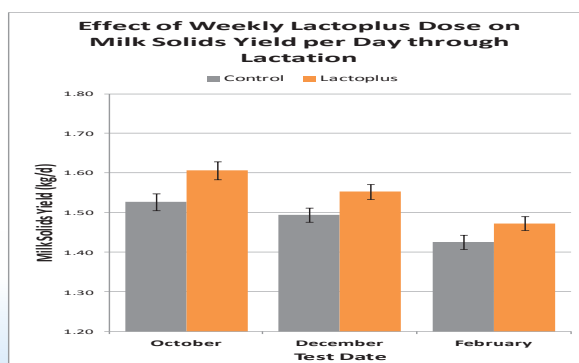
## Benefits

- Increase milk solids production
- Increase digestive efficiency
- Reduce stress from feed change, heavy grain feeding
- Reduce stress of pre-calving, calving and mating.
- Reduce climatic stress
- Nil withholding period

## Lactoplus increases milk solids

Lactoplus increased milk production (solids yield/day) by 5% on Nov, 4% in Dec and 3% in Feb.

This is an independent trial conducted by Mark Bryan, Central Southland Vet Services, Southland, 2004/2005 season across two farms.



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## What is a prebiotic?

BioStart LactoPlus is a prebiotic. A prebiotic encourages the growth of beneficial bacteria already living in the animal. International research shows prebiotics can confer benefits upon the cow's well-being and health. BioStart LactoPlus is 100% safe for your cow.

## How does BioStart LactoPlus work?

Cattle are not capable of producing the enzymes they need to digest cellulose. Cattle rely on a population of specific micro-organisms in their digestive tracts to do the job for them. BioStart LactoPlus stimulate the beneficial microbes which help digest carbohydrates whilst suppressing unbeneficial organisms. By stimulating microbial activity in the rumen the bovine will derive more energy, protein and mineral nutrition from pasture and feed thereby improve nutrient conversion and farm production.

## Directions for use:

Heifers:

20ml/head 2 weeks prior to calving

15ml/head once a week for the first 100 days of lactation

Lactating cows:

15ml/head once a week for the first 100 days of lactation

Pack sizes available: 20 litre

LactoPlus can be administered with other oral supplements. If drenching is not practical LactoPlus can be diluted and sprayed over supplementary feed or dosed through a trough dispenser at equivalent rates as those above.

*"I've been using LactoPlus since 2011. It keeps my herd in general good health and really helps with feed change. I like what it does to the cow dung. Even in the drier months I feel the feed is being maximised."*

Ross Barker, Dairy farmer, Reporoa, 550 herd.



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