

# Fermented vegetable fluid Test results

## Improvement of the intestinal environment

The intestinal environment improves towards predominance of good bacteria.

## Reduction of diarrhea

The improved intestinal environment reduces diarrheal symptoms.

## Weight gain

The body weight increases because diarrhea is alleviated.

### Test methods

#### Fermented vegetable fluid dosed group

Dosage	Add 7 ml to milk once a day
The number of test subject	5 calves
Test periods	During nursing period (up to 87 days of age)

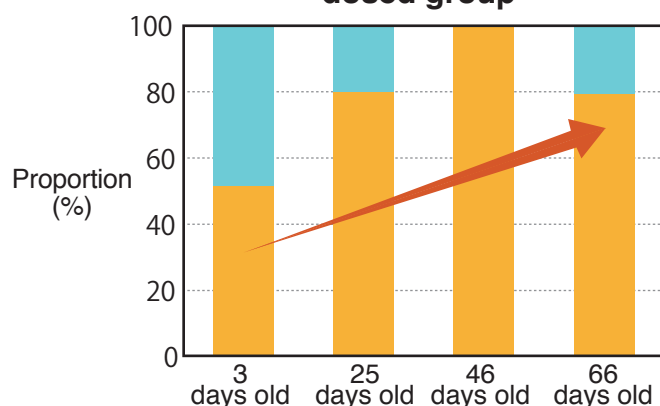
#### Competitors' viable bacterial agent dosed group

Dosage	Add 2 g to milk once a day
The number of test subject	6 calves
Test periods	During nursing period (up to 87 days of age)

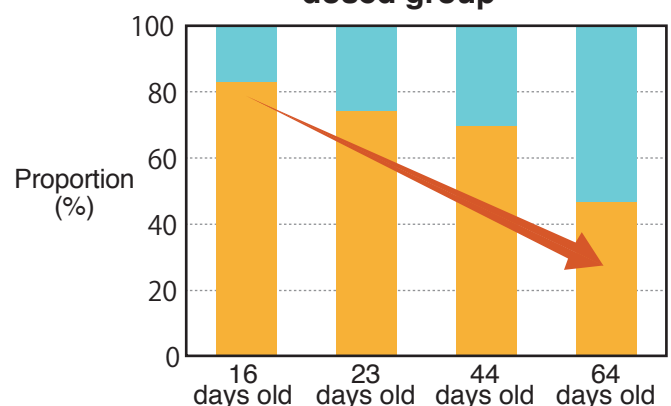


## ① Improved intestinal environment!

### Fermented vegetable fluid dosed group



### Competitors' viable bacterial agent dosed group

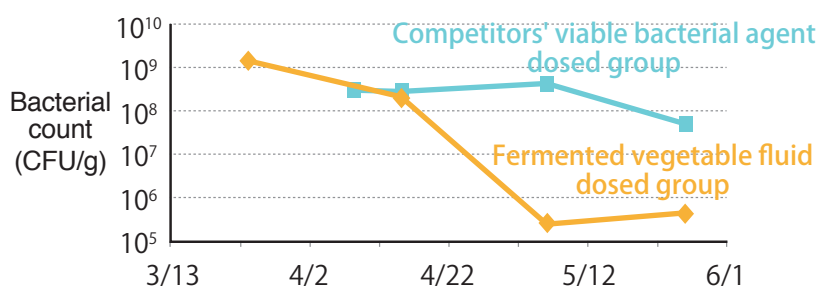


Coliform bacteria	48.2%	20.0%	0.4%	20.4%
Lactic acid bacteria	51.8%	80.0%	99.6%	79.6%

Coliform bacteria	16.8%	25.3%	29.6%	53.3%
Lactic acid bacteria	83.2%	74.7%	70.4%	46.7%

When the fermented vegetable fluid was given, the proportion of coliform bacteria in the feces decreased and the proportion of the lactic acid bacteria increased. The microbial balance was improved.

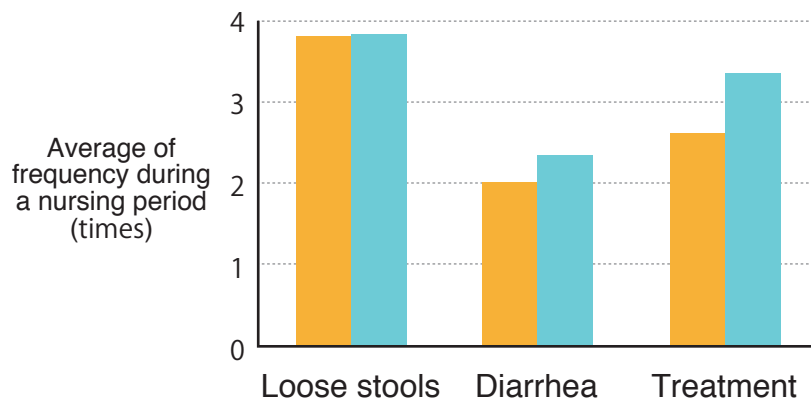
### Coliform bacteria count



When the fermented vegetable fluid was given, the number of coliform bacteria in the feces decreased compared with the number when given the competitors' viable bacterial agents.

## ② Alleviated diarrheal symptoms !

■ Fermented vegetable fluid dosed group  
■ Competitors' viable bacterial agent dosed group



The group with the fermented vegetable fluid reduced the frequency of diarrhea by average 0.3 times and having a treatment by average 0.7 times.

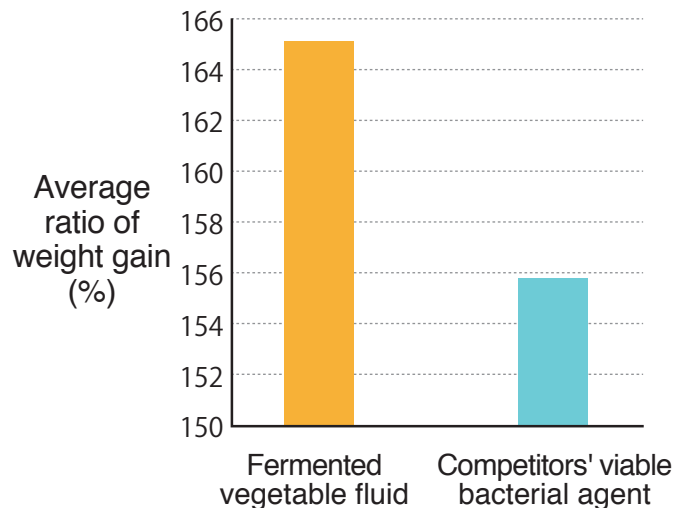
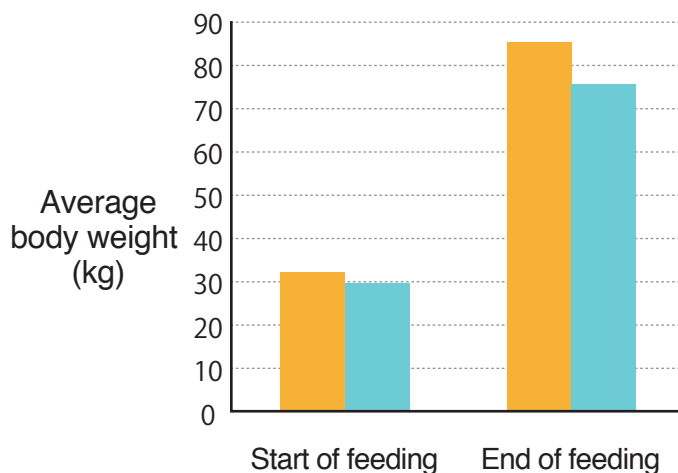
Reduction of diarrhea



Reduction in treatment costs

## ③ Increased body weight !

■ Fermented vegetable fluid dosed group  
■ Competitors' viable bacterial agent dosed group



The group with the fermented vegetable fluid increased 9.3% of their body weight compared with the group given the competitors' viable bacterial agents.

**Recommend the fermented vegetable fluid to farmers in trouble with the care of cattle !**

Even using viable bacterial agents, no positive effect is seen..  
 Calves suffer from diarrheal symptoms ...  
 Treatment costs are high ...

### Probiotics for cattle

Probiotics play an important role in increasing cattle's own good bacteria!

### High palatability

Pour the fermented vegetable fluid over coarse feed when cattle's appetite falls in summer. It can act as an appetite enhancer!