BIOPRO

HIGH PERFORMANCE PROBIOTICS

DIRECT FED MICROBIALS

PREMIX

Suitable for large ruminants.
For inclusion in grain rations.

Hi Strength Multi Ingredient Probiotic

Live Yeast in the rumen has been demonstrated to increase the rumen beneficial microbial population, maintain a stable rumen pH, and improve fibre digestion potential in ruminants.

Australian Probiotic Solutions Pty Ltd

Direct Fed Microbials (DFM)

PREMIX

They are made from a unique combination of 11 powerful biological compounds sourced from Japan, US and Europe. 5 selected strains of Probiotic bacteria microencapsulated to get to the lower GI tract for improved immune function and for competitive exclusion of pathogens.

A specific strain of active live dry yeast (Saccharomyces Cerevisiae). This yeast stimulates cellulose digesting bacteria, improving fibre digestibility and the development of the rumen.

A blend of 5 digestive enzymes working on protein, starch, cellulose, fat and pectin. These result in better feed breakdown and more surface area for microbes to work on.

Premix Formula

Inclusion rate of 20g per cow each day

NUTRIENT	INGREDIENT	LEVEL
Vitamin D3	Vitamin D3 500	15kiu
Vitamin E	Vitamin E-50 (50%)	300mg
Vitamin A	Vitamin A 1000	60kiu
Cobalt	Cobalt Sulphate 21%	20mg
Selenium	Selenium 2% Premix	6mg
Iodine	Potassium Iodine 68%	10mg
Manganese	Manganese Oxide 60%	400mg
Zinc	Zinc Sulphate Mono 35%	1200mg
Copper	Copper Sulphate 25%	300mg
Antioxidant	Feedox	20mg
Yeast	BiOPRO	37.5 billion cfu's

BiOPRO Ingredients

A blend of five Probiotic bacteria

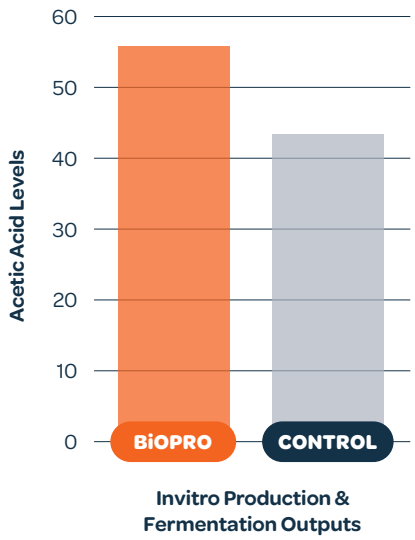
- Bacillus subtilis
- Enterococcus faecium
- Lactobacillus acidophilus
- Bifidobacterium longum
- Bifidobacterium thermophilum

An active dry live yeast for improved digestion and rumen pH balance

- Saccharomyces cerevisiae

Five digestive enzymes for increased feed conversion efficiency and fibre utilisation

- Alpha Amylase
- Protease
- Cellulase
- Lipase
- Pectinase



Lincoln University Trial Observations

This is an initial trial to determine the merit of further research into the benefits of using BioPro Probiotics for enhanced feed digestion and improved feed conversion efficiency.

The above graph displays the BioPro showed a significant difference in acetate production which is usually a reflection of improved fibre digestion.

This experiment was conducted at Lincoln University (New Zealand) and approved by the Animal Ethics Committee at Lincoln University (AEC2020-42).

Diet

60% Ryegrass
15% Barley
25% Maize silage

Improvement

29% above the control group

MARK MOYLAN
0437 249 091 / mark@apsolutions.com.au

ASH SPENCE
0428 049 674 / ash@apsolutions.com.au

APS AUSTRALIAN PROBIOTIC SOLUTIONS

Level 1, Suite 3, 87 Little Malop Street, Geelong VIC 3220
www.bioproprobiotics.com