

DFM MODE OF ACTION (DETAILED)

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www.performanceprobiotics.com | 1800 118 872

ISSUE	MODE OF ACTION	COMPONENTS RESPONSIBLE
COMBATING ACIDOSIS	Produce lactate, and help rumen acclimatise to lactate presence	<i>L. acidophilus</i> <i>E. faecium</i>
	Reduce levels of <i>Streptococcus bovis</i> (cause of acidosis)	<i>E. faecium</i> <i>S. cerevisiae</i>
	Increase numbers of lactate utilisers	<i>E. faecium</i> <i>S. cerevisiae</i>
	Lower carbon dioxide levels	<i>E. faecium</i>
	Higher retention of protozoa	<i>L. acidophilus</i>
	Increase numbers of fibre fermenters and more fibre fermentation	<i>S. cerevisiae</i> Hemicellulase Beta-glucanase
	Lead feeding and nutritional service and practical advice	Fire Up
COMBATING BLOAT AND NITRATE ISSUES	Production of Nitrate Reductase, lowering non-protein nitrogen levels and increasing True Protein	<i>B. subtilis</i>
	Reduction of slime, more stable rumen contents for fermentation (reducing risk of bloat)	Beta-glucanase
	Practical advice and nutritional service and tools including Bloatshield, salt, and managing sugar and starch levels	
COMBATING KETOSIS	Increased dry matter intake	<i>S. cerevisiae</i> Hemicellulase Beta-glucanase
	Increased metabolisable energy and increased production of volatile fatty acids	<i>L. acidophilus</i> <i>B. longum</i> <i>B. thermophilum</i> <i>E. faecium</i> Alpha-amylase
	Higher blood glucose levels and lower beta-hydroxybutyrate levels post calving	<i>S. cerevisiae</i> (when combined with bacterial DFM)
	Practical advice and nutritional service especially regarding late lactation, body condition and transition cow management	Fire Up
COMBATING FERTILITY ISSUES	Increased dry matter intake so less time in negative energy balance	<i>S. cerevisiae</i> Hemicellulase Beta-glucanase
	Increased metabolisable energy and increased production of volatile fatty acids so less time in negative energy balance	<i>L. acidophilus</i> <i>B. longum</i> <i>B. thermophilum</i> <i>E. faecium</i> Alpha-amylase
	Better immune function	<i>B. longum</i> <i>B. thermophilum</i> Trace minerals
	Nitrate reduction (if we consider high BUNs to impact fertility)	<i>B. subtilis</i>
	Practical advice and nutritional service especially regarding early lactation, body condition and transition cow management	

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COMBATING LAMENESS	Stimulation of immune system	<i>B. longum</i> <i>B. thermophilum</i> Trace minerals Vitamin E Calcium
	Less laminitis due to less acidosis	<i>L. acidophilus</i> <i>E. faecium</i> <i>S. cerevisiae</i> Hemicellulase Beta-glucanase
	Stronger hooves	Trace minerals & vitamins, especially Hoof Boost
	Practical advice and nutritional service	
COMBATING MASTITIS	Stimulation of immune system	<i>B. longum</i> <i>B. thermophilum</i> Trace minerals Vitamin E Calcium
	Reduced shedding of E. Coli, Staphylococcus aureus	<i>L. acidophilus</i>
	Practical advice and nutritional service	
COMBATING HEAT STRESS	Increased dry matter intake	<i>S. cerevisiae</i> Hemicellulase Beta-glucanase
	Reduced risk of acidosis, more stable rumen function	<i>L. acidophilus</i> <i>E. faecium</i> <i>S. cerevisiae</i>
	Increased fibre fermentation (plants are generally higher in fibre in hot weather)	Hemicellulase Beta-glucanase
	Practical advice and nutritional service	



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