

HOW DFM REDUCES THE RISK OF METABOLIC DISEASES

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ACTION	<i>L. acidophilus</i>	<i>Bifidobacterium longum</i>	<i>Bifidobacterium thermophilum</i>	<i>E. faecium</i>	<i>B. subtilis</i>	<i>S. cerevisiae</i>	Alpha-amylase	Hemicellulase	Beta-glucanase	MECHANISM
REDUCED RISK OF ACIDOSIS	✓			✓						Help rumen acclimatise to presence of Lactic Acid
				✓		✓				Reduce Streptococcus bovis numbers and increase numbers of Lactate utilisers
				✓						Lower Carbon Dioxide levels
	✓									Better retain Protozoa numbers
						✓		✓	✓	Increase fibre fermentation
REDUCED BLOAT, NITRATES AND PASTURE RELATED ISSUES					✓					Production of Nitrate Reductase to increase true protein levels
									✓	More stable rumen fermentation through reduced slime production
REDUCED RISK OF KETOSIS						✓		✓	✓	Increased dry matter intake
	✓	✓	✓	✓			✓			Increased VFA and metabolisable energy production
						✓				Proven in trials, higher blood glucose levels, lower beta-hydroxybutyrate levels
REDUCED RISK OF INFERTILITY						✓		✓	✓	Increased dry matter intake and faster return to positive energy balance
	✓	✓	✓	✓			✓			Increased VFA and metabolisable energy production and positive energy balance
		✓	✓							Better immune function
					✓					Nitrate reduction reducing blood urea nitrogens
REDUCED RISK OF LAMENESS	✓			✓		✓		✓	✓	Less Laminitis due to less risk of Acidosis
		✓	✓							Stimulation of the Immune System
REDUCED RISK OF MASTITIS	✓									Proven in trials, less shedding of <i>E.Coli</i> and <i>Staphylococcus aureus</i>
		✓	✓							Stimulation of the Immune System
REDUCED EFFECTS OF HEAT STRESS						✓		✓	✓	Increased dry matter intake
	✓			✓		✓		✓	✓	Reduced risk of Acidosis
						✓		✓	✓	Increase fibre fermentation



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