

Examples of “Bacteria” Products from the 1998-99 Direct-Fed Microbial, Enzyme, Forage Compendium

Information supplied by Company	Product 1	Product 2	Product 3
Active ingredients:	<i>Saccharomyces cerevisiae</i> , <i>Bacillus subtilis</i> , <i>Aspergillus oryzae</i> , <i>Lactobacillus acidophilus</i>	<i>Lactobacillus acidophilus</i> BT1 386	<i>Lactobacillus</i> , <i>Streptococcus</i> , <i>Bacillus</i> , <i>Saccharomyces</i>
Units of measure:	<i>Saccharomyces cerevisiae</i> : 1 x 10 ⁶ /g; <i>Bacillus subtilis</i> : 1 x 10 ⁸ cfu, <i>Lactobacillus acidophilus</i> : 1 x 10 ⁷ cfu, alpha-amylase 60 BAU/g	NA	Saccharomyces: 127 billion cells/lb (= 2.8 x 10 ⁸ /g), lactic acid bacteria: 5 billion cfu/lb (=1 x 10 ⁷)
Purpose:	A source of live microorganisms, enzymes, and metabolites	Direct fed microbial feed additive	Direct fed microbial for ruminants
Use:	Beef and dairy cattle (1 g/hd/d), hogs, poultry, pets	Feedlot and dairy cows	All ruminants (10 g/hd/d)
Comments:			

Examples of “Enzyme” Products from the 1998-99 Direct-Fed Microbial, Enzyme, Forage Compendium

Information Supplied by Company	Product 4	Product 5
Active ingredients:	Amylase, protease, cellulase, lipase, glucanase, other digestive enzymes	<i>Saccharomyces cerevisiae</i> , <i>Lactobacillus acidophilus</i> , <i>Lactobacillus casei</i> , <i>Lactobacillus plantarum</i> , <i>Lactobacillus fermentum</i> , <i>Streptococcus faecium</i> , amylase, protease, cellulase, hemicellulase, glucanase, amyloglucosidase
Units of measure:	NA	1.55 x 10 ⁹ cfu
Purpose:	Catalytic activity	A microbial product with high numbers of viable cells and fermentation components
Use:	All animals, can be added at mixing time and into premixes (1 g/hd/d cattle)	All animals, add dried product to mixed feed (10 g/hd/d)
Comments:		

Examples of “Yeast” Products from the 1998-99 Direct-Fed Microbial, Enzyme, Forage Compendium

	Product 6	Product 7	Product 8
Active ingredients:	<i>Saccharomyces cerevisiae</i>	<i>Saccharomyces cerevisiae</i> , protease, amylase, lipase	<i>Saccharomyces cerevisiae</i> , growth media
Units of measure:	Live cell count 15 billion cfu/g	9 billion cfu/g total yeast, 5 billion cfu/g live yeast, protease 50,000 units/lb, amylase 50,000 units/lb, lipase 4,000 units/lb	NA
Purpose:	A feed supplement and source of live naturally occurring organisms	Contains a source of active dry yeast and digestive enzymes	Yeast culture
Recommended for:	All animals (2 g/hd/d)	All animals (4 g/hd/d)	All animals (60 g/hd/d dairy)
Comments:			