



Select BioCycle Plus Ultimate™ Concentrate



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ENHANCE HIGH ENERGY AND HIGH PROTEIN RATIONS

Select BioCycle Plus Ultimate™ is designed for high energy, high protein rations, typically found in lush grass and late cuttings of haylage. Rations containing high levels of these forages are candidates to utilize Ultimate. Ultimate is formulated to maximize rumen microbe populations providing a more thorough utilization of protein in the ration. An increase in microbial protein results in an increase in milk protein and milk. An additional benefit of improved protein utilization within the rumen is a reduction of milk urea nitrogen (MUN) levels. MUN levels in excess of 16 mg/dl have shown to have a negative impact on pregnancy rates.

Ultimate contains BioCycle Plus as its base ingredient which offers immune system improvement and assistance against mold-challenged feeds. In addition to the BioCycle Plus base, Ultimate contains increased levels of enzyme potency and microbial sugars. Ultimate adds an additional enzyme, pectinase, that break down pectins (complex carbohydrates) found in plants. Rumen-protected forms of copper, zinc, manganese and cobalt have also been added.

Herds that are experiencing MUN levels greater than 16, along with more than usual events of early embryonic death, should consider including ultimate in the ration.

USE DIRECTIONS

Mix Select BioCycle Plus Ultimate into dairy feeds at a rate of ten (10) grams per head per day.

PACKAGING

50 lb. bag (#9299)

STABILITY

Stable for two years. Store in cool, dry place.

INGREDIENTS

Montmorillonite clay, Calcium carbonate, Silicon Dioxide, Yucca Schidigera, Sugars, Malic Acid, *Saccharomyces cerevisiae* (active dry yeast), Dried yeast culture, Dried *Aspergillus oryzae* fermentation extract, Dried *Aspergillus niger* fermentation extract, Potassium Iodide, Tartaric Acid, Dried egg product, Choline Chloride, Citric Acid, Benzoic Acid, Dried *Bacillus subtilis* fermentation product, and Niacin.

GUARANTEED ANALYSIS

(per 10 gram dose)

Protease (<i>Aspergillus oryzae</i>)	3,500 ug of protein hydrolyzed/minute/10gm
Hemicellulase (<i>Trichoderma reesei</i>).....	1,500 ug of hemicellulose broken-down/minute/10gm
Amylase (<i>Aspergillus oryzae</i>).....	750 ug of starch hydrolyzed/minute/10gm
Cellulase (<i>Aspergillus reesei</i>).....	625 ug of cellulose broken-down/minute/10gm
Bacillus Subtilis (Min).....	50 x 10 ⁶ cfu/g
Citric acid.....	560 mg/lb
Choline Chloride.....	990 mg/lb



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