

SELECT BioCYCLE Plus ULTIMATE™



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 one half (½) ounce (14g) per head, per day. If mixing twice per day, dose must be split between mixes and contained in all feed.

PACKAGING:

50 lb. box (#9094).

STABILITY:

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

INGREDIENTS:

Yeast culture, Calcium carbonate, Dried egg product, Dextrose, Choline chloride, Aspartic acid, Lactic acid, Calcium lactate, Malic acid, Acetic acid, Thiamine mononitrate, Citric acid, Calcium pantothenate, Fumaric acid, Papin, *Saccharomyces cerevisiae* (active dry yeast), Dried *Aspergillus oryzae* fermentation extract, Dried *Aspergillus niger* fermentation extract, Zinc proteinate, Copper proteinate, Manganese proteinate, Cobalt glucoheptanate, Sodium potassium tartrate, Potassium iodide, Silicon dioxide and Sodium silico aluminate.

GUARANTEED ANALYSIS:

(per 1/2 ounce dose)

Amylase (<i>Aspergillus oryzae</i>).....	4,500 ug of starch hydrolyzed/minute/gm
Protease (<i>Aspergillus oryzae</i>)	600 ug of protein hydrolyzed/minute/gm
Cellulase (<i>Aspergillus niger</i>).....	240 ug of cellulose broken-down /minute/ gm
Lipase (<i>Aspergillus oryzae</i>).....	180 ug of triglycerides hydrolyzed/minute/gm
Pectinase (<i>Aspergillus niger</i>)	120 ug of pectin hydrolyzed/minute/gm
Thiamine.....	400 mg/pound
Citric acid	400 mg/pound
Choline chloride	700 mg/pound

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