



BioCycle® Plus Concentrate



BioCycle® Plus Concentrate is manufactured
by Agrarian Solutions LLC, Nappanee, IN.

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A COMPLETE APPROACH TO FEED HYGIENE AND HERD PERFORMANCE CHALLENGES

Defending and protecting cattle against feed hygiene challenges involves two categories of feed additives: binders or probiotic products. Independent, peer-reviewed research indicates that clay and yeast cell wall products are ineffective at “binding” mycotoxins and might actually be more efficacious for binding nutrients, and thereby reducing nutrient bioavailability^{1,2}.

The BioCycle® Plus Concentrate product combines the benefits of BioCycle and Select DTX™ for cattle facing multiple challenges of feed hygiene, digestive pathogens, heat and other factors. The BioCycle Plus Concentrate direct-fed microbial product features L-form or cell wall-deficient bacteria (CWDB). Independent, peer-reviewed research with the CWDB found improved milk production and reproductive success when lactating dairy cows were challenged by DON and zearalenone^{3,4}. The BioCycle Plus Concentrate also features a proprietary blend of natural plant actives sourced from turmeric, naringin and rosemary to defend intestinal integrity and protect liver health for the next level in mycotoxin protection.

USE DIRECTIONS

Mix BioCycle Plus Concentrate into mixed feeds at the rate of:

Beef and dairy heifers: 5 g/head/d (0.18 oz)

Dry and lactating cows: Recommended 10 g/head/d (0.35 oz)

PACKAGING

50 lb. bag (#9099)

STABILITY

Stable for 2 years. Store in cool, dry place.

INGREDIENTS

Montmorillonite clay, calcium carbonate, silicon dioxide, *Saccharomyces cerevisiae* (active dry yeast), yeast culture, rosemary, sugars, naringin, malic acid, turmeric, potassium iodide, dried egg product, dried *Aspergillus oryzae* fermentation extract, propionic acid, dried *Bacillus subtilis* fermentation product, dried *Lactobacillus acidophilus* fermentation product, tartaric acid, lactic acid, citric acid, aspartic acid.

GUARANTEED ANALYSIS

Fungal amylase (<i>A. oryzae</i>).....	7,000 SKB/g
Fungal protease (<i>A. oryzae</i>).....	5,000 HUT/g
Lipase (<i>Candida cylindracea</i>).....	500 FIP/g
Cellulase (<i>T. reesei</i>).....	5,000 CU/g
Pectinase (<i>A. niger</i>).....	100 ENDO-PG/g
Total microbial activity	
<i>Bacillus subtilis</i> and <i>Lactobacillus acidophilus</i>	60 million CFU/g

¹Kihal et al. (2022). J. Anim. Sci. 100:1-14.

²Kihal et al. (2020). J. Dairy Sci. 103:3125-3132.

³Roth et al. (2024). J. Dairy Sci. 107(Suppl 1):426 (Abstr.).

⁴Roth et al. (2024). J. Dairy Sci. 107(Suppl 1):426 (Abstr.).



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