

# BioFresh® Bolus



## INDIVIDUAL ANIMAL SUPPLEMENT FOR USE DURING TIMES OF STRESS

A super concentrated form of Select BioCycle™, BioFresh® Bolus is an individual animal supplement for use during stressful times (freshening, sick, off-feed, ect.). Research conducted at Southern Illinois University proves BioFresh Bolus to be effective in reducing LSCC, days open and services per conception.

Ideal for fresh cows, BioFresh Bolus supplies critical vitamins and minerals to supplement a cow's variable intake, and aids in immune function by providing L-form Lactobacillus, microbial sugars and specialized proteins. BioFresh Bolus triggers a digestive response from its yeast and enzymes and boosts a cow's immune system at the highest-stress period in a typical lactation – freshening. BioFresh Bolus is also beneficial to sick and off-feed cows, as it provides necessary nutritional requirements; and can be used as a supplement for treated cows in combating high somatic cell counts.

### RESEARCH:

Southern Illinois University

- Administering BioFresh Bolus for three consecutive days to cows at freshening:
  - Reduced days open by 100 days (from 186 to 86) with a probability of P=0.085.
  - Reduced services per conception by 1.49 days (from 2.68 to 1.19). Results show statistical significance with a probability of P=0.03
- Administering BioFresh Bolus for three consecutive days to cows with an initial LSCC >5 caused LSCC to decrease one LSCC unit (200,000 cells). Results show statistical significance with a probability of P= .0001.

### USE DIRECTIONS:

One bolus per head per day for three consecutive days.

### PACKAGING:

25 (#11010), 50 (#11011) and 400 (#11012) count containers

### STABILITY:

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

### INGREDIENTS:

*Saccharomyces cerevisiae* (active dry yeast), Niacinamide, Potassium iodide, Dried *Aspergillus oryzae* fermentation extract, Dried *Aspergillus niger* fermentation extract, Dried *Lactobacillus acidophilus* fermentation product, Dried *Bifidobacterium longum* fermentation product, Dried *Bifidobacterium thermophilum* fermentation product, Dried egg yolk solids, Lactic acid, Calcium lactate, L-Malic acid, Tartaric acid, Dicalcium phosphate, Ferrous sulfate, Magnesium sulfate, Zinc proteinate, Copper proteinate, Manganese proteinate, Cobalt glucoheptonate, Choline chloride, Sodium selenite, Vitamin A acetate, Vitamin D3 supplement, Ascorbic acid, Calcium idoate, Vitamin B7 (Biotin), Calcium pantothenate, Menadione sodium bisulphite complex (Source of Vitamin K), Vitamin B12 supplement, Riboflavin, Thiamine mononitrate, Folic acid, Cobalt sulfate, Pyridoxine hydrochloride, Potassium citrate, Silicon dioxide

### GUARANTEED ANALYSIS: (per bolus)

Amylase ( <i>Aspergillus oryzae</i> ).....	30,000 ug of starch hydrolyzed/minute/gm
Protease ( <i>Aspergillus oryzae</i> ) .....	4,000 ug of protein hydrolyzed/minute/gm
Cellulase ( <i>Aspergillus niger</i> ).....	1,600 ug of cellulose broken-down/minute/gm
Pectinase ( <i>Aspergillus niger</i> ).....	800 ug of pectin hydrolyzed/minute/gm

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