



**A UNIQUE PRODUCTION SUPPLEMENT FOR LACTATING AND NON-LACTATING DAIRY COWS:** Contains a source of live (viable) naturally occurring microorganisms, Amylase which can hydrolyze starch, Protease which can hydrolyze proteins, beta-Glucanase which can hydrolyze  $\beta$ -glucans (a type of non-starch polysaccharide), Hemicellulase which can break down hemicellulose.

## Guaranteed Analysis

Lactic Acid Bacteria (minimum).....	80 billion cfu/pound (176.6 million cfu/gram)
<small>(<i>Pediococcus pentosaceus</i>, <i>Lactococcus lactis</i>, <i>Enterococcus faecium</i>, <i>Lactobacillus plantarum</i>, <i>Lactobacillus casei</i>, <i>Lactobacillus brevis</i>)</small>	
Total Propionibacteria (minimum) .....	4 billion cfu/pound (8.7 million cfu/gram)
<small>(<i>Propionibacterium freudenreichii</i>)</small>	
Total Yeast (minimum).....	600 billion cfu/pound (1.3 billion cfu/gram)
<small>(Active Dry Yeast <i>Saccharomyces cerevisiae</i>)</small>	
Enzyme Activity (minimum)	
Bacterial Amylase ( <i>Bacillus subtilis</i> ).....	118,000 BAU*/lb.
<small>*Bacterial amylase BAU = one bacterial amylase unit (BAU) is the quantity of enzyme that will dextrinize starch at the rate of 1 mg/min at pH 6.6 and 30°C.</small>	
Fungal Amylase ( <i>Aspergillus oryzae</i> ).....	95,250 SKB*/lb.
<small>*Fungal amylase SKB = number of grams of soluble starch dextrinized, in the presence of excess <math>\beta</math>-amylase, per hour at pH 5.0 and 40°C.</small>	
Fungal Protease ( <i>Aspergillus oryzae</i> ).....	68,000 HUT*/lb.
<small>*Fungal protease HUT = the amount of enzyme that produces, in 1 minute at pH 4.7 and 40°C, a hydrolysate whose absorbance at 275 nm is the same as that of a solution containing 1.10 <math>\mu</math>g per ml of tyrosine in 0.006N hydrochloric acid.</small>	
beta-Glucanase ( <i>Trichoderma longibrachiatum</i> ).....	900 BGU*/lb.
<small>*Beta Glucanase BGU = the amount of enzyme which, liberates glucose to 1 <math>\mu</math>mol glucose per minute at pH 6.5 and 40°C.</small>	
Hemicellulase ( <i>Aspergillus niger</i> ).....	225 HCU*/lb.
<small>*Hemicellulase HCU = one hemicellulase unit (HCU) is defined as that activity that will produce a relative fluidity change of 1 over a period of 5 min in a locust bean gum substrate at pH 4.5 and 40°C.</small>	

## Ingredients

Montmorillonite clay, sodium bentonite, organic plant protein products, dried *Bacillus subtilis* fermentation extract, dried *Aspergillus oryzae* fermentation extracts, dried *Trichoderma longibrachiatum* fermentation extract, dried *Aspergillus niger* fermentation extract, dried *Pediococcus pentosaceus* fermentation product, dried *Propionibacterium freudenreichii* fermentation product, dried *Lactococcus lactis* fermentation product, dried *Enterococcus faecium* fermentation products, dried *Lactobacillus plantarum* fermentation product, dried *Lactobacillus casei* fermentation product, dried *Lactobacillus brevis* fermentation product.

## Directions

### TMR and Hand Fed Herds - Daily Use

- Feed .04 pounds (18 grams) or 1 small scoop per head per day.
- Feed .05 pounds (23 grams) or 1.25 small scoops per head per day for high producing herds or during hot weather.
- Feed .06 pounds (28 grams) or 1.5 small scoops per head per day during extreme heat or stress periods.

### TMR and Hand Fed - Close-up and Dry Cows - Daily Use

- Feed .04 pounds (18 grams) or 1 small scoop per head per day.

### Weaned and Growing Heifers - Daily Use

- Feed .02 pounds (9 grams) or .5 small scoop per head per day.

**For optimum synergy feed with TracePac Gold™ Smart Release Crystals™.**

**Storage Recommendations:** Store in a cool dry area out of direct sunlight.

**Smartbacteria Strains:**

A4000h™ .....	<i>Pediococcus pentosaceus</i>
A2020™ .....	<i>Lactococcus lactis</i>
LC222™ .....	<i>Lactobacillus casei</i>
LBR1000™ .....	<i>Lactobacillus brevis</i>
2E-1™ .....	<i>Enterococcus faecium</i>
EF141™ .....	<i>Enterococcus faecium</i>
LP100™ .....	<i>Lactobacillus plantarum</i>
Prop1-IAC™ .....	<i>Propionibacterium freudenreichii</i>

**Found Only in Priority IAC Products**



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FULL WARRANTY/DISCLAIMER INFORMATION AT [forhealthycows.com](http://forhealthycows.com)

**NET WT. 25 lb. (11.34 KG)**

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