

### **PYC-14 Ingredients**

Active *Saccharomyces cerevisiae* yeast grown and dormantized on ground yellow corn, corn gluten meal, condensed fermented corn extractives, cane molasses, malted barley, dried grain products, calcium carbonate, and mineral oil

### **Typical Analysis**

Protein	13% min.
Crude Fat	2% min.
Calcium	8% min.
Calcium	10% max.
Ash	25% min.

### **Guaranteed Microbial Analysis**

Live Yeast Cell Count:  $7.0 \times 10^9$  CFU/oz.  
( $2.5 \times 10^8$  CFU/g)

\*\*\*  $14.0 \times 10^9$  CFU per 2 oz. feed rate

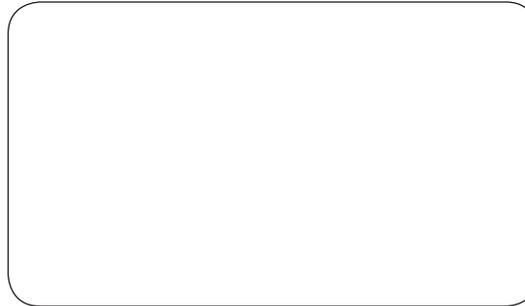
### **PYC-14 Feeding Program**

The PYC-14 feeding program suggests replacing your current yeast culture or live yeast product with 2 ounces per head per day of PYC-14. Please consult your nutritionist, dairy consultant, or veterinarian with additional feeding questions.

# **PYC-14**

More Than Yeast Culture

For more information on PYC-14 contact:



**PAPILLON**  
Agricultural Company

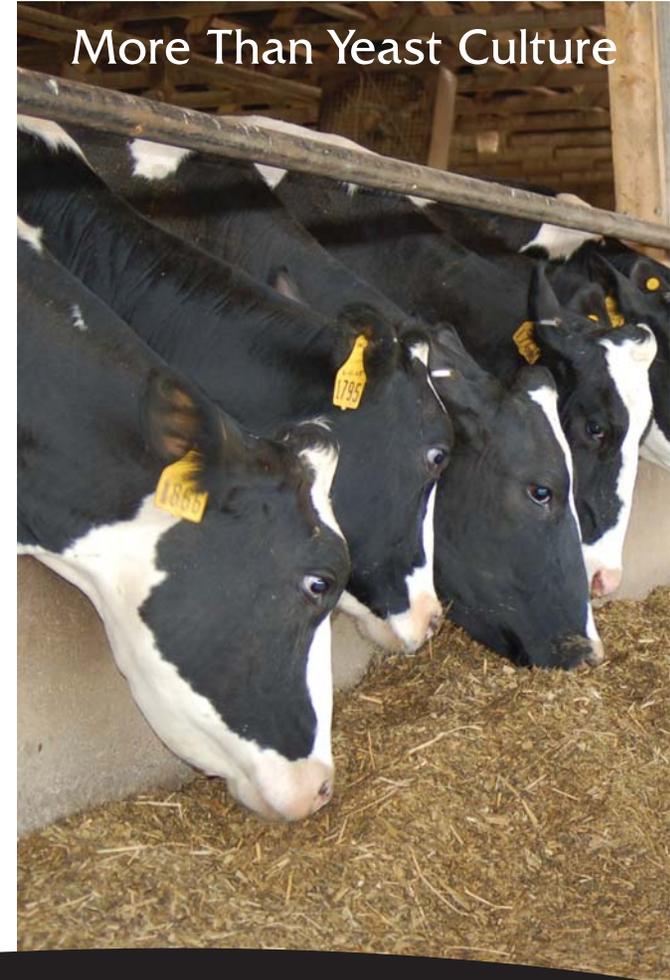
(800) 888-5688

Easton, MD

[www.papillon-ag.com](http://www.papillon-ag.com)

# **PYC-14**

More Than Yeast Culture



**PAPILLON**  
Agricultural Company

# PYC-14

**PYC-14** is a nutritionally superior product at a very competitive price. Based on a proprietary manufacturing process, PYC-14 contains both yeast culture and live yeast cells. Produced using the Newhaven process developed at Cal-Tech, PYC-14 sets a new high standard for yeast culture products. The double fermentation system of the Newhaven process assures a very high concentration of active metabolites in the yeast culture. The slow, low temperature and precise drying preserves the metabolites, as well as guaranteeing the survival of viable yeast cells in the final product.

PYC-14 is an all natural feed supplement designed specifically to improve animal performance particularly in dairy cows.

## **Yeast Culture**

The culture component in PYC-14 contains high levels of desirable enzymes such as maltase (fiber digestive enzyme) and endotryptase (protein digestive enzyme). These and many other enzymes in PYC-14 are necessary for the digestion of fiber, starch, protein, and various other components of the cow's diet. Enzymes are essential to establish a well functioning gastrointestinal tract and to improve feed utilization.

In addition, PYC-14 contains high levels of vitamins, particularly B complex vitamins. Along with improving feed utilization, yeast culture has been shown to increase microbial protein production and contribute to increasing milk production.

## **Live Yeast**

*Saccharomyces cerevisiae* is the live yeast component in PYC-14. When fed at the recommended rate of 2 oz. per head per day for lactating dairy cows, PYC-14 delivers 14 billion CFU's of live yeast per dose. Live yeast has been shown to perform the following functions in the rumen environment:

- Reducing rumen lactate production by competing with lactic acid producing bacteria
- Stimulating the lactate utilizing bacteria
- Scavenging oxygen



## **Why is PYC-14 unique?**

PYC-14 utilizes 75 years of experience in manufacturing yeast culture to provide the dairy industry a product that it can have confidence in. PYC-14 delivers an exceptional metabolite profile, plus a guaranteed count of viable yeast cells, all at an extremely competitive price. Contact us today and we will show you how PYC-14 can add value to your dairy herd and benefit your bottom line.