



PRODUCT INFORMATION & TYPICAL ANALYSIS

Harvest Fuel Inc · PO Box 69 · Walhalla · North Dakota 58282 · 701.549.3450 · 888.229.0475

Yeast Culture for All Classes of Livestock

FEATURES & BENEFITS

Made from Wheat, Oats, Barley and Flax
4 Prebiotic Fibers
Omega 3 and Amino Acids

APPLICATIONS

Cattle · Poultry · Sheep · Swine · Horses



is a multi-prebiotic fiber and protein source, made from wheat, oats, flax, barley malt, flax meal and nutritional yeast (saccharomyces cerevisiae). ProBiotein's prebiotic fibers are: AXOS (arabino-xylo oligosaccharide), XOS (xylo oligosaccharide), MOS (mannan oligosaccharide), FOS (fructo oligosaccharide) and Beta-glucan.

TYPICAL ANALYSIS

Typical analysis is not to be construed as product specification. Typical analysis represents average values, not to be considered as guarantees, expressed or implied, nor as a condition of sale.

SENSORY CHARACTERISTICS

Appearance powder
Color light brown

PHYSICAL AND CHEMICAL PROPERTIES

Particle Size 160 µ
pH (Range) 4.3 - 5.2
pH (Target) 5
Moisture (Range) 7.0% - 12%
Moisture (Target) 8.0 %
Ash 12%
Bulk Density 34-38 lb/ft³

STORAGE AND SHELF LIFE

Store at temperatures < 115° F
Best if used within 24 months from date of manufacture. Storing in a cool, dark location helps to preserve product freshness.

NUTRITIONAL INFORMATION

Crude Protein, Min. 28.00%
Crude Fat, Min. 7.00%
(as Omega3 2.00%)
Crude Fiber, Max. 8.50%
ADF Fiber, Max. 9.50%
NDF Fiber, Min. 25.00%
Calcium (Ca), Min. 0.10%
Calcium (Ca), Max. 0.15%
Phosphorus (P), Min. 3.00%
Magnesium (Mg), Min. 0.40%
Sodium (Na), Min. 0.80%
Sodium (Na), Max 1.10%
Potassium (K), Min. 1.00%
Sulfur (S), Min. 0.30%
Selenium (Se), Min. 0.9 ppm
Cobalt (Co), Min. 1.0 ppm
Iodine (I), Min. 0.6 ppm
Iron (Fe), Min. 100 ppm
Copper (Cu), Min. 15 ppm
Manganese (Mn), Min. 100 ppm
Zinc (Zn), Min. 100 ppm

NUTRITIONAL INFORMATION

Dietary Fiber. 39%
Soluble Fiber 9%
Insoluble Fiber 30%
Prebiotic Oligosaccharide Content. 24.20%
Arabino-xylan Oligosaccharide. . . AXOS... 7.50%
Xylo-Oligosaccharide. XOS... 10.70%
Mannan-Oligosaccharide MOS... 3.00%
Fructo-Oligosaccharide FOS... 0.50%
Beta-glucan 2.50%

Alanine 1.19%
Arginine. 1.85%
Aspartic acid. 1.91%
Cystine. 0.60%
Glutamic acid. 7.66%
Glycine. 1.44%
Histidine. 0.72%
Isoleucine. 1.16%
Leucine. 1.90%
Lysine. 0.88%
Methionine. 0.58%
Phenylalanine 1.48%
Proline. 2.40%
Serine. 1.41%
Threonine. 1.07%
Tryptophan. 0.32%
Tyrosine. 0.88%
Valine. 1.38%

ITEM NUMBERS

_____ 50 lb (22.7 kg) bag
_____ 2,000 lb (907 kg) tote

PROBIOTEIN INCLUSION RATES

Poultry 4 lbs / ton | Multi-Species 4 lbs / ton

Beef (Stocker/Finisher/Breeding)..... 4 g (0.141 oz) / hd
Beef (Receiving Calves/Show)..... 8 g (0.282 oz) / hd
Dairy (Lactating/Non-Lactating Cows)..... 8 g (0.282 oz) / hd
Swine (Lactating Sow)..... 8 g (0.282 oz) / hd



Harvest Fuel Inc. ProBiotein is manufactured at establishments that hold valid certifications under the American Feed Industry Association's Safe Feed/Safe Food certification program.