



Bio Basics™

PASTEURIZED PPM

3-2-3 w/2% Ca

Guaranteed Analysis:

Total Nitrogen (N)	3.00%
<u>0.3 %</u> Ammoniacal Nitrogen	
<u>1.2 %</u> Water Soluble Nitrogen	
<u>1.5%</u> Water Insoluble Nitrogen*	
Available Phosphate as (P ₂ O ₅)	2.00%
Soluble Potash as (K ₂ O)	3.00%
Calcium (Ca)	2.00%
Magnesium (Mg)	0.50%

Derived From: Poultry Manure

*1.5 % slowly available nitrogen

F1513

FEATURES

- Neutral ph
- Trace minerals including Calcium
- Pasteurization process for stability
- Soil supplementation for structure and nutrient availability
- Low salt index

BENEFITS

- Slow release from natural sources for continuous feeding
- Odor reduction through pasteurization
- Consistent growth response through all
- Supports thatch degradation biological
- Improved cell structure from calcium
- Quickly available ammonium source for starter use

SPREADER

LELY @ 4 MPH

VICON @ 4 MPH

SCOTTS R8

LESCO

SETTINGS*

8

46

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.45# N/1000 (500 LBS/ACRE)

.45# N/1000 (500 LBS/ACRE)

.5 # N/1000

.5 # N/1000

Water in material, let dry and water in again. At higher rates skip mowing for one day if used on close cut turf.

* Spreader settings are approximate and will vary to actual ground speed. Please calibrate your spreader.

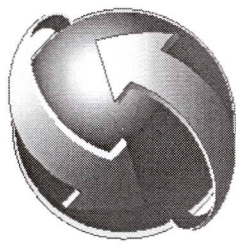
Information regarding contents and levels of metals in this product is available by calling toll free: 1-888-646-6146

NET WEIGHT 50 LBS. (22.68 kg)

Manufactured For Bio Basics LLC

2600 Cabover Drive • Suite C • Hanover, Maryland 21076

1-888/646-6146 • FAX - 410/590-2135



Bio Basics™

Advantages of PPM & PPM Based Products

Pasteurization – All Perdue AgriRecycle products are thoroughly pasteurized prior to shipment to eliminate any potential for weed seeds or pathogen contamination.

C : N Ratio of 10 : 1 – Widely accepted published information on quality composts clearly states that both the quality of inputs and the length of the composting process result in the optimum target C:N ratio of between 10 and 12 to 1. Our 10:1 C:N ratio is a direct result of the two year in-house composting process and results in the optimum balance of nutrient and carbon availability to both plants and soil micro-organisms.

2.5% Available Calcium – Most intensively managed soils need consistent calcium supplementation to ensure proper availability to the plant, as well as maintenance of the calcium balance within the soil. PPM's high calcium content in relation to its nitrogen and potassium is nearly a perfect ratio and strongly supports turf manager's efforts toward a calcium supplementation program.

26% Protein Content – PPM's high digestible protein content reflects the consistent high quality of food inputs fed to Perdue chickens. Increased soil microbe activity is more efficiently driven by high protein food sources.

45% Total Organic Carbon – Total organic carbon is the measure of digestible carbon that can fuel beneficial soil biological activity. Other products claim to 100% "organic matter" or high carbon content is neither accurate nor complete enough to measure the true quality of a natural fertilizer's ability to fuel soil biological activity.

8% Silica – Industry sources identify silica as one of the 6 most important plant nutrients along with Carbon, Oxygen, Hydrogen, Nitrogen and Potassium. Silica is often deficient within the plant due to intensive management, watering practices and soil erosion. It strongly supports disease resistance, as well as improved stress and wear tolerance.

Less than 22% Ash Content – As an inert ingredient, ash content is one measure of the quality of a natural fertilizer and should be minimized wherever possible. Turf management research and publications recommend ash levels of 25% or less. PPM is less than 22% ash. Competitive materials in this product category are often as much as 45%.

Complete Nutrient Balance – PPM provides close to a 1:1 nitrogen to potassium ratio that balances nitrogen related plant growth with potassium related support of cell wall strength and water use efficiency. PPM also includes a complete micro nutrient analysis which includes 2.5% Calcium, 0.76% Sulfur, 0.5% Magnesium, 0.07% Copper, 0.07% Zinc and 0.13% Iron.