

Updated: 4/17/11

Poultry Litter New Brunswick, Canada

"I used Poultry Litter on my organic crops this year and have had amazing results. This product is the most economical source of nutrients I have used. I recommend this product for all growers."

*Jim Dionne
Misty Meadows Farms
Grand Isle, ME*



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PRODUCT ANALYSIS	Minimum	Average	Lbs/ton (avg)
Total Nitrogen.....	2.5%	4.5%	40
Total Phosphorus (P ₂ O ₅).....	3.0%	4.2%	37
Soluble Potassium (K ₂ O).....	2.5%	3.2%	28
Total Calcium.....	2.25%	2.75%	24
Magnesium.....	0.5%	0.58%	5.2
Sulfur.....	0.6%	0.63%	5.6
Copper.....	0.025%	0.03%	0.26
Maganese.....	0.03%	0.04%	0.35
Zinc.....	0.03%	0.04%	0.35
pH.....		8.0	
Organic Matter.....		81.0%	
C:N Ratio.....		10:1	
% Solids.....		44.4%	

GAP (Good Agricultural Practices) Poultry Litter needs to be applied 120 days before harvest. Data based on averages (dry weight) of representative analyses. Lbs/ton values based on product as received.

PRODUCT INFORMATION

Poultry Litter is MOFGA approved for organic use and is an excellent source of nutrients that can be incorporated into most fertilizer programs. The key to successful management is to match the nutritional requirements of the crop with nutrients available in the Poultry Litter and supplemental fertilizers.



Poultry Litter is sawdust-based and is an excellent source of organic matter. Organic matter is of utmost importance in potato crop rotation in Aroostook County. A four tons per acre application of Poultry Litter would add the value of a plow-down rotation crop.

USE RECOMMENDATIONS

Agriculture: A typical potato rotation requires 180 lbs N, 140 lbs P and 240 lbs K. New England Organics recommends an application rate of 4 tons/acre of Poultry Litter applied in the fall and tilled into the soil. The available nutrients from this application equal 80 lbs N, 140 lbs P and 112 lbs K. The remaining supplemental nutrient requirements at planting would be 100 lbs N, 0 lbs P and 128 lbs K.

PRODUCT VALUE

Nutrient	Nitrogen	Phosphoric	Soluble
	Urea	Acid	Potash
Fertilizer Source	46%	46%	60%
Cost/pound of nutrient (1)	\$0.60	\$0.89	\$0.50
Pounds of nutrient per ton	20	35.15	28
Value of nutrient per ton	\$12.00	\$31.28	\$14.00

Total value per ton of nutrients supplied by Poultry Litter - \$57.28

¹Average per ton product costs for Urea (\$555/ ton), Triple Super Phosphate (\$818/ton), Muriate of Potash (\$595/ton). This price does not include delivery or spreading.