

A&L Canada Laboratories Inc.

2136 Jetstream Road · London, Ontario · N5V 3P5 · (519) 457-2575



Sample ID: OTB-W2, OTB-M2, OTB-M3, OTB-M4, OTB-E5
 REPORT DATE: 23-Jan-24

Compost Agri-Value Calculator

Nutrients Available ("Total" as is basis)

Parameter	Units	A&L "MC" Compost Analysis Result	lbs. Per ton	lbs. Per tonne	Present Value Fertilizer nutrient \$/lb.	Compost Agri-Value per \$/Ton	Compost Agri-Value per \$/tonne
Dry Matter	%	55.58	1,112	1,226			
Organic Matter	%	25.54	511	563			
Nitrogen	%	2.60	52	57	\$0.79	\$41.07	\$45.28
NH ₄ -N	ppm	8845.40	18	20	\$0.79	\$13.95	\$15.38
P as P ₂ O ₅	%	2.53	51	56	\$0.94	\$47.64	\$52.52
K as K ₂ O	%	1.75	35	38	\$0.56	\$19.39	\$21.38
Calcium	%	3.74	75	82	\$0.97	\$72.85	\$80.32
Magnesium	%	0.80	16	18	\$3.32	\$53.33	\$58.79
Sulfur	%	0.55	11	12	\$1.66	\$18.18	\$20.04

<u>Micronutrients</u>		lbs./Ton	lbs./tonne	\$/lb.	\$/Ton	\$/tonne	
Zinc	ppm	390.10	0.78	0.86	\$5.08	\$3.96	\$4.37
Manganese	ppm	424.80	0.85	0.94	\$4.68	\$3.97	\$4.38
Copper	ppm	335.66	0.67	0.74	\$11.61	\$7.79	\$8.59
Boron	ppm	19.48	0.04	0.04	\$7.31	\$0.28	\$0.31

Compost Agri-Value (total)

	Nitrogen	P ₂ O ₅	K ₂ O	Mag.	Sulfur	Calcium
Compost Agri-Value	\$	\$	\$	\$	\$	\$
Agri-Value per ton	\$41.07	\$47.64	\$19.39	\$53.33	\$18.18	\$72.85
Agri-Value per tonne	\$45.28	\$52.52	\$21.38	\$58.79	\$20.04	\$80.32

Total Commercial Fertilizer Equivalent value

(Including all Macro and Micro nutrients as above)

(including N, P₂O₅, K₂O, S, Zn, Mn, Cu, B, excluding Mg and Ca)

per ton	\$268.47
per tonne	\$295.99
per tonne	\$156.88

* Present Value Fertilizer - January 24, 2024 - retail pricing provided by Scotland Agromart

* Compost Fertilizer value based on total content.

* Only a portion will be available in the season of application.

*Additional compost value includes Organic matter content and the beneficial probiotic biological activity

Current Retail Fertilizer Prices provided by Scotland Agromart - January 24, 2024

Fertilizer Product Evaluator

Fertilizer Product	Fert. Cost / tonne Jan 2024	Fertilizer. Guarantee	Nitrogen Actual lbs./ tonne	P ₂ O ₅ Actual lbs./ tonne	K ₂ O Actual lbs./ tonne	Sulfur lbs./ tonne	Mag. lbs./ tonne	Calcium lbs./ tonne
Urea	\$800	46-0-0	1014					
MAP	\$1,080	11-52-0		1147				
KCL	\$735	0-0-60			1323			
Sul-Po-Mag	\$805	0-0-22-22-11			485	485	243	
Calcium Sulfate	\$580	0-0-0-16-27				353		595

Fertilizer Product Evaluator

			Lbs. actual per tonne	Present Value Fertilizer nutrient \$/lb.
Boron	\$1,611	10%	221	\$7.31
Copper Oxy- Sul	\$6,400	25%	551	\$11.61
Magnes.- Sul.	\$1,080	16%	353	\$3.06
Manganese-Sul.	\$3,300	32%	706	\$4.68
Sulphur	\$1,180	90%	1985	\$0.59
Zinc	\$2,240	20%	441	\$5.08

Schlegel Poultry Turkey Litter Compost

Analytical Results & Nutrient Value

Report #:	C24017-80000	C24017-80000	C24017-80000	C24017-80000	C24017-80000		
Lab #:	178001	178002	178003	178004	178005		
DATE --->	23-Jan-24	23-Jan-24	23-Jan-24	23-Jan-24	23-Jan-24	Average of	
Sample I.D. #	OTB-W2	OTB-M2	OTB-M3	OTB-M4	OTB-E5	Results	Units
Dry Matter:	53.90	56.50	55.80	54.00	57.70	55.58	%
Nitrogen - Total (N):	2.528	2.144	2.611	2.549	3.187	2.60	% (as is basis)
Ammonium-N (NH ₄ -N):	9264.000	7658.000	8106.000	9042.000	10157.000	8845.40	% (as is basis)
Phosphorus (Total):	1.141	1.012	0.999	1.150	1.196	1.10	% (as is basis)
Phosphate (P as P ₂ O ₅):	2.624	2.328	2.298	2.644	2.750	2.53	% (as is basis)
Potassium (Total):	1.418	1.332	1.434	1.570	1.519	1.45	% (as is basis)
Potash (K as K ₂ O):	1.702	1.598	1.721	1.884	1.823	1.75	% (as is basis)
Organic Matter:	24.30	22.60	26.80	24.80	29.20	25.54	% (as is basis)
pH:	8.81	8.86	8.83	8.91	8.83	8.85	(no units)
Carbon:Nitrogen Ratio (C:N):	5:1	6:1	6:1	5:1	5:1	6:1	(no units)
Bulk Density:	597.00	520.00	481.00	514.00	582.00	538.80	kg/m ³
Sulfur (S):	6012.6	5867.8	5663.8	5075.7	4763.5	5476.68	ppm (as is basis)
Conductivity (@25 deg C):	18.10	14.88	19.89	29.90	17.03	19.96	ms/cm
Sodium (Na):	0.36	0.34	0.36	0.38	0.39	0.37	% (as is basis)
Aluminum (Al):	880.00	818.30	682.30	616.90	533.20	706.14	ppm (as is basis)
Boron (B):	20.00	19.70	18.90	20.60	18.20	19.48	ppm (as is basis)
Calcium (Ca):	3.77	4.79	3.35	3.21	3.57	3.74	%
Copper (Cu):	341.40	299.90	314.00	367.60	355.40	335.66	ppm (as is basis)
Iron (Fe):	2014.10	2115.20	1712.70	1514.00	1353.10	1741.82	ppm (as is basis)
Magnesium (Mg):	0.734	1.096	0.637	0.728	0.822	0.80	%
Manganese (Mn):	427.10	426.30	421.30	405.60	443.70	424.80	ppm (as is basis)
Zinc (Zn):	392.90	366.10	387.70	402.00	401.80	390.10	ppm (as is basis)