

# A&L Canada Laboratories Inc.

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Sample ID: SPC TLC: OTB-W1, OTB-C2, OTB-E3, ODP-W1, ODP-C2, ODP-E3  
 REPORT DATE: 17-Jan-25

## 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	%	59.28	1,186	1,307			
Organic Matter	%	24.87	497	548			
Nitrogen	%	1.78	36	39	\$0.75	\$26.45	\$29.16
NH <sub>4</sub> -N	ppm	3237.67	6	7	\$0.75	\$4.82	\$5.32
P as P <sub>2</sub> O <sub>5</sub>	%	3.07	61	68	\$0.99	\$61.06	\$67.31
K as K <sub>2</sub> O	%	2.04	41	45	\$0.48	\$19.56	\$21.57
Calcium	%	5.24	105	116	\$1.23	\$128.77	\$141.97
Magnesium	%	1.04	21	23	\$3.51	\$72.99	\$80.48
Sulfur	%	0.50	10	11	\$1.75	\$17.40	\$19.19

### Micronutrients

			lbs./Ton	lbs./tonne	\$/lb.	\$/Ton	\$/tonne
Zinc	ppm	359.97	0.72	0.79	\$5.08	\$3.66	\$4.03
Manganese	ppm	520.98	1.04	1.15	\$2.77	\$2.89	\$3.18
Copper	ppm	374.10	0.75	0.82	\$9.98	\$7.47	\$8.23
Boron	ppm	20.20	0.04	0.04	\$8.51	\$0.34	\$0.38

### Compost Agri-Value (total)

Compost Agri-Value	Nitrogen \$	P <sub>2</sub> O <sub>5</sub> \$	K <sub>2</sub> O \$	Mag. \$	Sulfur \$	Calcium \$
Agri-Value per ton	\$26.45	\$61.06	\$19.56	\$72.99	\$17.40	\$128.77
Agri-Value per tonne	\$29.16	\$67.31	\$21.57	\$80.48	\$19.19	\$141.97

### Total Commercial Fertilizer Equivalent value

(Including all Macro and Micro nutrients as above)

(Including N, P<sub>2</sub>O<sub>5</sub>, K<sub>2</sub>O, S, Zn, Mn, Cu, B, excluding Mg and Ca)

(Including N, P<sub>2</sub>O<sub>5</sub>, K<sub>2</sub>O only)

per ton	\$340.59
per tonne	\$375.50
per tonne	\$153.06
per tonne	\$118.05

\* Present Value Fertilizer - January 22, 2025 - retail pricing provided by Sylvite Agri-Services

\* 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 Sylvite Agri-Services - January 22, 2025

**Fertilizer Product Evaluator**

Fertilizer Product	Fert. Cost / tonne Jan 2024	Fertilizer. Guarantee	Nitrogen Actual lbs./ tonne	P <sub>2</sub> O <sub>5</sub> Actual lbs./ tonne	K <sub>2</sub> O Actual lbs./ tonne	Sulfur lbs./ tonne	Mag. lbs./ tonne	Calcium lbs./ tonne
28% Nitrogen	\$460	28-0-0	617					
MAP	\$1,140	11-52-0	243	1147				
KCL	\$657	0-0-62			1367			
Sul-Po-Mag	\$851	0-0-22-22-11			485	485	243	
Calcium Sulfate	\$569	0-0-0-21-16				353		463

**Fertilizer Product Evaluator**

			Lbs. actual per tonne	Present Value Fertilizer nutrient \$/lb.
Boron	\$1,876	10%	221	\$8.51
Copper Oxy- Sul	\$5,500	25%	551	\$9.98
Magnes.- Sul.	\$911	16%	353	\$2.58
Manganese-Sul.	\$1,955	32%	706	\$2.77
Sulphur	\$1,242	90%	1985	\$0.63
Zinc	\$2,240	20%	441	\$5.08

# Schlegel Poultry Turkey Litter Compost

## Analytical Results & Nutrient Value

Report #:	C25010-80000	C25010-80000	C25010-80000	C25010-80001	C25010-80001	C25010-80001		
Lab #:	1008001	1008002	1008003	1008004	1008005	1008006		
DATE --->	17-Jan-25	17-Jan-25	17-Jan-25	17-Jan-25	17-Jan-25	17-Jan-25	Average of	
Sample I.D. #	OTB-W1	OTB-C2	OTB-E3	ODP-W1	ODP-C2	ODP-E3	Results	Units
Dry Matter:	68.20	66.90	65.40	48.80	52.50	53.90	<b>59.28</b>	%
Nitrogen - Total (N):	2.082	1.815	1.971	1.595	1.376	1.812	<b>1.78</b>	% (as is basis)
Ammonium-N (NH <sub>4</sub> -N):	2943.000	3619.000	4412.000	2870.000	2994.000	2588.000	<b>3237.67</b>	% (as is basis)
Phosphorus (Total):	1.820	1.306	1.429	1.129	1.114	1.212	<b>1.33</b>	% (as is basis)
Phosphate (P as P <sub>2</sub> O <sub>5</sub> ):	4.187	3.004	3.287	2.597	2.562	2.787	<b>3.07</b>	% (as is basis)
Potassium (Total):	1.957	1.347	1.392	1.670	1.721	2.091	<b>1.70</b>	% (as is basis)
Potash (K as K <sub>2</sub> O):	2.348	1.617	1.670	2.003	2.065	2.509	<b>2.04</b>	% (as is basis)
Organic Matter:	30.50	24.60	23.50	22.20	20.50	27.90	<b>24.87</b>	% (as is basis)
pH:	9.01	9.31	9.36	9.36	9.08	8.96	<b>9.18</b>	(no units)
Carbon:Nitrogen Ratio (C:N):	8:1	8:1	7:1	8:1	8:1	9:1	<b>8:1</b>	(no units)
Bulk Density:	645.00	829.00	550.00	589.00	538.00	513.00	<b>610.67</b>	kg/m <sup>3</sup>
Sulfur (S):	5208.3	3948	4331.6	5089.9	5343.4	5842.1	<b>4960.55</b>	ppm (as is basis)
Conductivity (@25 deg C):	28.50	26.00	29.50	23.82	21.64	25.00	<b>25.74</b>	ms/cm
Sodium (Na):	0.39	0.27	0.32	0.27	0.29	0.35	<b>0.32</b>	% (as is basis)
Aluminum (Al):	1301.10	1156.80	1420.50	1061.60	1265.00	967.40	<b>1195.40</b>	ppm (as is basis)
Boron (B):	23.70	17.60	18.30	18.70	20.40	22.50	<b>20.20</b>	ppm (as is basis)
Calcium (Ca):	8.57	7.98	4.83	3.18	3.08	3.79	<b>5.24</b>	%
Copper (Cu):	447.60	306.40	390.00	335.10	353.30	412.20	<b>374.10</b>	ppm (as is basis)
Iron (Fe):	3580.90	3953.30	3293.30	2528.40	2817.40	2170.70	<b>3057.33</b>	ppm (as is basis)
Magnesium (Mg):	1.936	1.248	1.162	0.573	0.637	0.685	<b>1.04</b>	%
Manganese (Mn):	701.60	555.10	556.20	419.20	438.00	455.80	<b>520.98</b>	ppm (as is basis)
Zinc (Zn):	469.60	333.80	354.30	321.40	319.40	361.30	<b>359.97</b>	ppm (as is basis)