

# A&L Canada Laboratories Inc.

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Sample ID: OTB-USC-1, OTB-SCR-2, OTB-USC-3, OTB-SCR-4, OUT-STE, OUT-STW  
 REPORT DATE: 07-Feb-22

## 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	%	46.67	933	1,029			
Organic Matter	%	21.62	432	477			
Nitrogen	%	1.43	29	32	\$1.19	\$34.08	\$37.57
NH <sub>4</sub> -N	ppm	2337.83	5	5	\$1.19	\$5.57	\$6.14
P as P <sub>2</sub> O <sub>5</sub>	%	2.81	56	62	\$1.11	\$62.40	\$68.79
K as K <sub>2</sub> O	%	1.12	22	25	\$0.77	\$17.20	\$18.96
Calcium	%	3.51	70	77	\$1.28	\$90.31	\$99.56
Magnesium	%	0.64	13	14	\$4.49	\$57.87	\$63.80
Sulfur	%	0.46	9	10	\$2.24	\$20.58	\$22.69

### Micronutrients

			lbs./Ton	lbs./tonne	\$/lb.	\$/Ton	\$/tonne
Zinc	ppm	324.33	0.65	0.72	\$5.08	\$3.29	\$3.63
Manganese	ppm	425.25	0.85	0.94	\$3.83	\$3.26	\$3.59
Copper	ppm	239.08	0.48	0.53	\$9.61	\$4.59	\$5.06
Boron	ppm	16.00	0.03	0.04	\$8.51	\$0.27	\$0.30

### Compost Agri-Value (total)

	Nitrogen	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Mag.	Sulfur	Calcium
Compost Agri-Value	\$	\$	\$	\$	\$	\$
Agri-Value per ton	\$34.08	\$62.40	\$17.20	\$57.87	\$20.58	\$90.31
Agri-Value per tonne	\$37.57	\$68.79	\$18.96	\$63.80	\$22.69	\$99.56

### 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)

per ton	\$293.85
per tonne	\$323.96
per tonne	\$160.60

\* Present Value Fertilizer - February 25, 2022 - 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 Sylvite Agri-Services - February 25, 2022

### Fertilizer Product Evaluator

Fertilizer Product	Fert. Cost / tonne Feb 2022	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
Urea	\$1,208	46-0-0	1014					
MAP	\$1,271	11-52-0		1147				
KCL	\$1,017	0-0-60			1323			
Sul-Po-Mag	\$1,089	0-0-22-22-11			485	485	243	
Calcium Sulfate	\$765	0-0-0-16-27				353		595

### Fertilizer Product Evaluator

			Lbs. actual per tonne	Present Value Fertilizer nutrient \$/lb.
Boron	\$1,876	10%	221	\$8.51
Copper Oxy- Sul	\$5,295	25%	551	\$9.61
Magnes.- Sul.	\$779	16%	353	\$2.21
Manganese-Sul.	\$2,279	27%	595	\$3.83
Sulphur	\$998	90%	1985	\$0.50
Zinc	\$2,240	20%	441	\$5.08

# Schlegel Poultry Turkey Litter Compost

## Analytical Results & Nutrient Value

Report #:	C22028-80003	C22028-80003	C22028-80003	C22028-80003	C22028-80003	C22028-80003	Average of	Units
Lab #:	288007	288008	288009	288010	288011	288012		
DATE --->	07-Feb-22	07-Feb-22	07-Feb-22	07-Feb-22	07-Feb-22	07-Feb-22	Results	
Sample I.D. #	OTB-USC-1	OTB-SCR-2	OTB-USC-3	OTB-SCR-4	OUT-STE	OUT-STW		
Dry Matter:	49.70	47.70	50.50	47.10	42.40	42.60	<b>46.67</b>	%
Nitrogen - Total (N):	1.294	1.166	1.329	1.216	1.732	1.847	<b>1.43</b>	% (as is basis)
Ammonium-N (NH <sub>4</sub> -N):	1017.000	727.000	863.000	736.000	5211.000	5473.000	<b>2337.83</b>	% (as is basis)
Phosphorus (Total):	1.230	1.208	1.346	0.920	1.182	1.457	<b>1.22</b>	% (as is basis)
Phosphate (P as P <sub>2</sub> O <sub>5</sub> ):	2.829	2.778	3.096	2.117	2.718	3.350	<b>2.81</b>	% (as is basis)
Potassium (Total):	0.794	0.677	0.854	0.621	1.390	1.257	<b>0.93</b>	% (as is basis)
Potash (K as K <sub>2</sub> O):	0.952	0.813	1.025	0.745	1.668	1.508	<b>1.12</b>	% (as is basis)
Organic Matter:	20.30	18.60	21.90	20.40	23.10	25.40	<b>21.62</b>	% (as is basis)
pH:	7.57	7.22	7.79	7.41	8.31	8.30	<b>7.77</b>	(no units)
Carbon:Nitrogen Ratio (C:N):	9:1	9:1	9:1	9:1	7:1	8:1	<b>6:1</b>	(no units)
Sulfur (S):	4733.20	4039.10	4976.50	3546.20	5084.60	5125.20	<b>4584.13</b>	ppm (as is basis)
Bulk Density:	592	535	559	537	627	524	<b>562.33</b>	kg/m <sup>3</sup>
Conductivity (@25 deg C):	7.52	6.51	6.57	5.69	13.38	17.00	<b>9.45</b>	ms/cm
Sodium (Na):	0.25	0.22	0.27	0.18	0.36	0.37	<b>0.28</b>	% (as is basis)
Aluminum (Al):	1118.80	1047.80	1125.40	927.00	691.70	475.90	<b>897.77</b>	ppm (as is basis)
Boron (B):	15.50	18.70	19.50	10.80	17.30	14.20	<b>16.00</b>	ppm (as is basis)
Calcium (Ca):	3.44	3.79	4.50	2.53	3.37	3.44	<b>3.51</b>	%
Copper (Cu):	247.10	196.80	219.90	167.70	290.50	312.50	<b>239.08</b>	ppm (as is basis)
Iron (Fe):	2663.50	2390.50	2514.30	1780.60	1766.20	1194.00	<b>2051.52</b>	ppm (as is basis)
Magnesium (Mg):	0.709	0.754	0.824	0.488	0.576	0.517	<b>0.64</b>	%
Manganese (Mn):	473.80	459.00	541.60	347.30	387.90	341.90	<b>425.25</b>	ppm (as is basis)
Zinc (Zn):	348.30	326.40	369.60	258.00	314.80	328.90	<b>324.33</b>	ppm (as is basis)