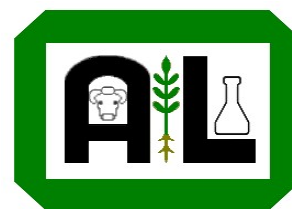


# A&L Canada Laboratories Inc.

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Sample ID: OTB-1W, 2M, 3E, OUP-4W, 5M, 6E  
 REPORT DATE: 27-Jan-21

## 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	%	46.72	934	1,030			
Organic Matter	%	25.43	509	561			
Nitrogen	%	2.17	43	48	\$0.61	\$26.57	\$29.29
NH <sub>4</sub> -N	ppm	5766.83	12	13	\$0.61	\$7.05	\$7.77
P as P <sub>2</sub> O <sub>5</sub>	%	2.83	57	62	\$0.70	\$39.49	\$43.54
K as K <sub>2</sub> O	%	2.09	42	46	\$0.46	\$19.23	\$21.21
Calcium	%	3.64	73	80	\$0.82	\$59.92	\$66.06
Magnesium	%	0.72	14	16	\$2.77	\$40.02	\$44.12
Sulfur	%	0.59	12	13	\$1.39	\$16.46	\$18.14

<u>Micronutrients</u>			lbs./Ton	lbs./tonne	\$/lb.	\$/Ton	\$/tonne
Zinc	ppm	358.70	0.72	0.79	\$5.35	\$3.84	\$4.23
Manganese	ppm	456.57	0.91	1.01	\$3.33	\$3.04	\$3.35
Copper	ppm	282.77	0.57	0.62	\$9.61	\$5.44	\$5.99
Boron	ppm	19.52	0.04	0.04	\$8.50	\$0.33	\$0.37

### 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	\$26.57	\$39.49	\$19.23	\$40.02	\$16.46	\$59.92
Agri-Value per tonne	\$29.29	\$43.54	\$21.21	\$44.12	\$18.14	\$66.06

### 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	\$214.34
per tonne	\$236.31
per tonne	\$125.76

\* Present Value Fertilizer - February 22, 2021 - 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 - February 22, 2021

### Fertilizer Product Evaluator

Fertilizer Product	Fert. Cost / tonne Jan 2020	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	\$620	46-0-0	1014					
MAP	\$800	11-52-0		1147				
KCL	\$608	0-0-60			1323			
Sul-Po-Mag	\$672	0-0-22-22-11			485	485	243	
Calcium Sulfate	\$490	0-0-0-16-27				353		595

### Fertilizer Product Evaluator

			Lbs. actual per tonne	Present Value Fertilizer nutrient \$/lb.
Boron	\$1,875	10%	221	\$8.50
Copper Oxy- Sul	\$5,300	25%	551	\$9.61
Magnes.- Sul.	\$710	16%	353	\$2.01
Manganese-Sul.	\$1,980	27%	595	\$3.33
Sulphur	\$930	90%	1985	\$0.47
Zinc	\$2,360	20%	441	\$5.35

# Schlegel Poultry Turkey Litter Compost

## Analytical Results & Nutrient Value

Report #:	C21022-80004	C21022-80004	C21022-80004	C21022-80004	C21022-80004	C21022-80004	Average of	Units
Lab #:	228011	228012	228013	228014	228015	228016		
DATE --->	27-Jan-21	27-Jan-21	27-Jan-21	27-Jan-21	27-Jan-21	27-Jan-21	Results	
Sample I.D. #	OTB-1W	OTB-2M	OTB-3E	OUP-4W	OUP-5M	OUP-6E		
Dry Matter:	45.20	46.60	49.50	50.60	43.10	45.30	<b>46.72</b>	%
Nitrogen - Total (N):	2.152	2.267	2.532	2.404	1.832	1.853	<b>2.17</b>	% (as is basis)
Ammonium-N (NH <sub>4</sub> -N):	6402.000	8111.000	6636.000	5385.000	4183.000	3884.000	<b>5766.83</b>	% (as is basis)
Phosphorus (Total):	1.176	1.160	1.418	1.402	0.997	1.230	<b>1.23</b>	% (as is basis)
Phosphate (P as P <sub>2</sub> O <sub>5</sub> ):	2.704	2.669	3.262	3.225	2.292	2.829	<b>2.83</b>	% (as is basis)
Potassium (Total):	1.734	1.456	1.979	2.092	1.534	1.669	<b>1.74</b>	% (as is basis)
Potash (K as K <sub>2</sub> O):	2.080	1.747	2.375	2.510	1.841	2.003	<b>2.09</b>	% (as is basis)
Organic Matter:	24.10	22.80	28.20	27.80	25.60	24.10	<b>25.43</b>	% (as is basis)
pH:	8.66	8.63	8.54	8.70	8.72	8.35	<b>8.60</b>	(no units)
Carbon:Nitrogen Ratio (C:N):	6:1	6:1	6:1	6:1	8:1	7:1	<b>6:1</b>	(no units)
Sulfur (S):	5680.80	5300.20	7100.30	6785.60	5048.00	5726.60	<b>5940.25</b>	ppm (as is basis)
Bulk Density:	507	546	518	518	573	600	<b>543.67</b>	kg/m <sup>3</sup>
Conductivity (@25 deg C):	17.91	16.31	15.95	14.58	13.20	12.05	<b>15.00</b>	ms/cm
Sodium (Na):	0.38	0.31	0.39	0.44	0.27	0.31	<b>0.35</b>	% (as is basis)
Aluminum (Al):	690.90	702.30	794.70	691.00	727.00	613.90	<b>703.30</b>	ppm (as is basis)
Boron (B):	19.60	17.20	22.80	21.40	16.30	19.80	<b>19.52</b>	ppm (as is basis)
Calcium (Ca):	3.32	2.89	3.69	4.28	3.78	3.88	<b>3.64</b>	%
Copper (Cu):	289.50	276.60	331.00	345.10	208.60	245.80	<b>282.77</b>	ppm (as is basis)
Iron (Fe):	1723.90	1711.60	2094.40	1955.50	1748.20	1491.60	<b>1787.53</b>	ppm (as is basis)
Magnesium (Mg):	0.644	0.566	0.761	0.895	0.749	0.719	<b>0.72</b>	%
Manganese (Mn):	454.30	386.60	532.00	524.70	386.20	455.60	<b>456.57</b>	ppm (as is basis)
Zinc (Zn):	342.60	338.60	429.50	423.50	274.00	344.00	<b>358.70</b>	ppm (as is basis)