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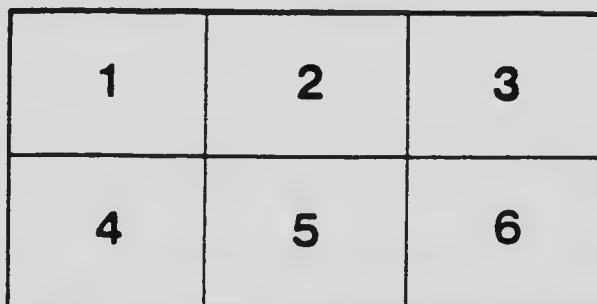
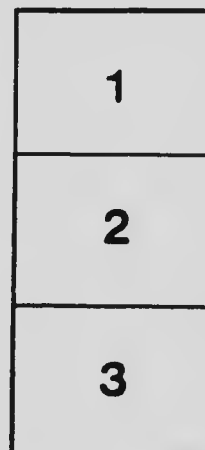
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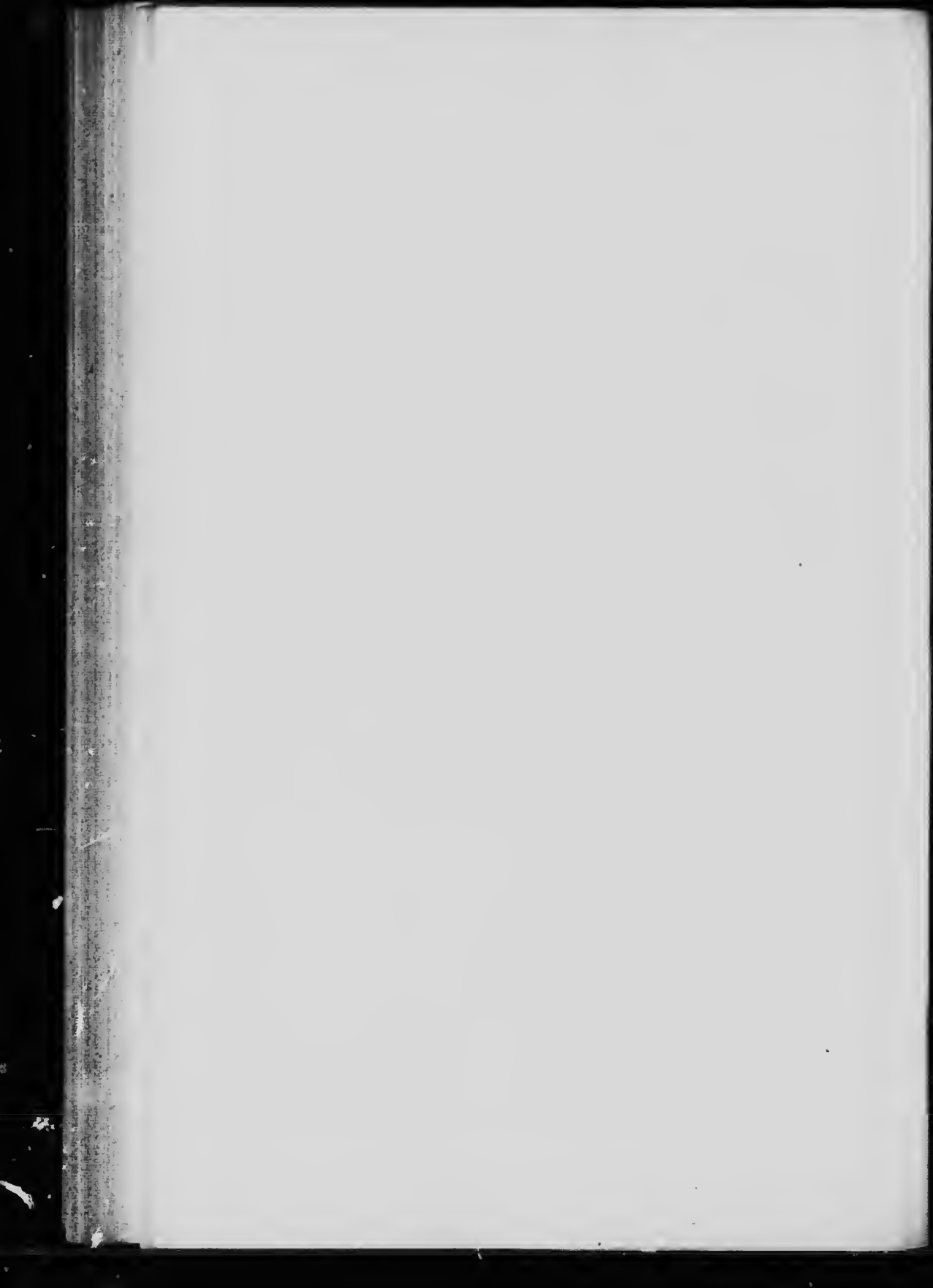
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O. H. M. S.

*W. J. Gerald*

*Deputy Minister.*

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LABORATORY  
OF THE  
INLAND REVENUE DEPARTMENT  
OTTAWA, CANADA

—  
BULLETIN No. 186  
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FERTILIZERS AS SOLD, 1909.

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LABORATORY  
OF THE  
INLAND REVENUE DEPARTMENT  
OTTAWA, CANADA

BULLETIN No. 186

FERTILIZERS AS SOLD, 1909.

OTTAWA, September 10, 1909.

W. J. GERALD, Esq.,  
Deputy Minister of Inland Revenue.

SIR,—I beg to hand you a report upon 66 samples of fertilizers, obtained by our inspectors upon the open market in May and June of the present year. This is in accordance with the requirements of Section 6 of the Fertilizers Act (R.S. 1906, Chap. 132).

The usual difficulties have been met with in identification of brands, and 9 samples are either not identified, or doubtfully so. Sixteen (16) samples are not registered for 1909, as the Act requires; or, if registered, are not described so as to be certainly identified.

It is to be hoped that the difficulty of identification referred to will disappear with the coming into force of the New Fertilizer Act, which takes effect with the beginning of the new year (1910).

Thirty-eight (38) samples have been found up to the guaranteed values. This number includes two samples which, although not registered for 1909, were labelled with a guarantee percentage. Two samples are adjudged as 'nearly up to guarantee'; the deficiency being but little more than one (1) per cent of potash, in each case.

Two other samples show a decided excess of potash, above the amount guaranteed.

There remain three samples which show decidedly lower content of potash than the guarantee calls for. The following shows:—

No.	POTASH.	
	Guaranteed.	Found.
33969.....	10·00	3·15
36730.....	10·00	7·67
36294.....	8·00	4·95

On investigation it is found that these samples were taken from the top of the bag, they therefore indicate imperfect mixing; rather than any intentional lowering of potash content.

I beg to recommend the publication of this report as Bulletin No. 186; and may add, for the information of parties interested that the text of the new Fertilizers Act is contained in Bulletin 182 (Standard Fertilizers, 1909) which will be mailed on request.

I have the honour to be, sir,

Your obedient servant,

A. MCGILL,

Chief Analyst.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	COST.		Name and Address of Manufacturer or Furnisher, as given by the Vendor.	Name of Analyst.
				Quantity.	Cents.		

## DISTRICT OF NOVA SCOTIA—

1909.							
May 12.	Scotia Basic Slag..	33902	R. A. Beckwith, Amherst, N.S.	5 lb.	...	Alex. Cross & Sons, Glasgow, Scotland.	Bowman...
" 13.	Phosphate of Lime (Slag).	33903	E. H. & R. Cross, Truro, N.S.	5 lb.	....	Leeds Phosphate Works, Leeds, England.	" ....
" 13.	Potato Manure....	33964	A. J. Walker & Son, Truro, N.S.	5 lb.	10	Swift's Lowell Fert. Co., Lowell, Mass.	" ...
" 13.	" .....	33965	E. E. McNutt, Truro, N.S.	5 lb.	....	Pidgeon Fertilizer Co., Winslow, N.S.	" ....
" 14.	X L Brand.....	33966	E. Hebb, Bridgewater, N.S.	5 lb.	....	Bradley Co., Boston, Mass.	" ....
" 14.	Stockbridge Manure.	33967	W. O. Bates, Bridgewater, N.S.	5 lb.	....	Bowker Fert. Co., Boston, Mass.	" ....
" 17.	Pacific Guano....	33968	G. Roy, Kentville, N.S.	5 lb.	....	Pacific Guano Co., Boston, Mass.	" ....
" 18.	G E High Grade Manure.	33969	C. O. Allen, Kentville, N.S.	5 lb.	....	Am. Agr. Chem. Co., New York.	" ....
" 18.	Square Brand, Bone and Potash	33970	Burgess & Co., Wolfville, N.S.	5 lb.	....	Bowker's Fert. Co., Boston, Mass.	" ....
" 21.	Potato Phosphate.	33971	Halifax Seed Store, Halifax, N.S.	5 lb.	15	Nova Scotia Fert. Co., Halifax, N.S.	" ...
June 18.	Basic Slag, 20% Phosphate.	33972	S. B. Chute, Berwick, N.S.	5 lb.	....	Pilson, Scotland'.....	" ....
" 18.	Aroostock Complete Manure.	33973	C. O. Cook & Son, Waterville, N.S.	5 lb.	....	Am. Agr. Chem. Co., New York.	" ....
" 18.	Bone Dust.....	33974	B. E. Ward, Weston, N.S.	5 lb.	....	J. T. Dow, Boston, Mass.	" ....
" 18.	Ground Bone.....	33975	T. H. Morse, Berwick, N.S.	5 lb.	....	New England Fert. Co., Boston, Mass.	" ....



## FERTILIZERS AS SOLD.

Register Number.	Samples.	RESULTS OF ANALYSIS.										Relative Value per ton of 2,000 lbs.	No. of Sample.	Remarks and Opinion of the Chief Analyst.
		Nitrogen.		Phosphoric Acid.						Potash.	Moisture.			
		Total, including that of Nitric Acid or Ammonia, if present.	Total, calculated as Ammonia.	Soluble in Water.	Reverted or Citrate Soluble.	Insoluble.	Total.	Total Available.						

R. J. WAUGH, INSPECTOR.

2374	Guarantee														33962	
	Stand. Bull. 182				15.18	6.62	21.80	15.18				0.20	18.68			
	As found				11.10	4.70	15.80	11.10				0.51	13.62			Up to guarantee.
	Guarantee														33963	
	Stand. Bull. 182															
	As found				11.85	4.65	18.50	11.85				0.25	14.43			Not registered for 1909.
2304	Guarantee	1.65	2.00				8.00	7.00	4.00				17.61		33964	
	Stand. Bull. 182	1.61	1.85	4.75	2.60	0.80	8.15	7.35	4.24				6.85	18.51		
	As found	2.31	2.81	3.60	3.65	1.00	8.25	7.25	3.29				14.75	19.78		Up to guarantee.
	Guarantee														33965	
	Stand. Bull. 182															
	As found	1.67	2.04	4.10	3.30	1.20	8.60	7.40	3.40				16.50	17.99		Not registered for 1909.
2318	Guarantee	2.06	2.50	5.00	3.00	2.00	10.00	8.00	1.50				18.40		33966	
	Stand. Bull. 182	2.13	2.58	6.75	3.45	2.25	12.45	10.20	1.60				11.25	21.41		
	As found	2.37	2.89	3.50	3.78	2.42	10.00	7.58	1.94				18.00	19.44		Up to guarantee.
2476	Guarantee	3.30	4.00				7.00	6.00	10.00				23.12		33967	
	Stand. Bull. 182	3.50	4.25	5.90	1.96	1.19	9.05	7.86	8.90				9.25	30.39		
	As found	3.28	3.99	3.90	2.08	1.32	7.30	5.93	8.43				12.50	26.95		Nearly up to guarantee.
	Guarantee														33968	
	Stand. Bull. 182															
	As found	2.65	3.23	3.10	4.58	3.52	11.29	7.68	2.00				14.00	20.82		Not registered for 1909.
2376	Guarantee	3.20	4.00	4.00	2.00	1.00	7.00	6.00	10.00				23.18		33969	
	Stand. Bull. 182	3.39	4.11	6.45	1.98	1.20	9.63	8.43	8.90				8.15	30.70		
	As found	2.79	3.40	5.95	3.56	2.97	12.50	9.53	3.15				10.50	24.56		Low in potash, sample taken from top of bag.
2413	Guarantee	1.65	2.00				7.00	6.00	2.00				14.51		33970	
	Stand. Bull. 182	1.85	2.24	6.20	3.65	3.35	13.20	9.85	1.95				10.05	20.70		
	As found	2.72	3.32	3.95	3.25	2.25	9.45	7.20	1.89				14.00	20.12		Up to guarantee.
2344	Guarantee	1.65	2.00				2.00	9.00	7.00	4.00			17.91		33971	
	Stand. Bull. 182	2.38	2.89	7.90	1.64	0.84	10.38	9.54	7.35				9.25	26.98		
	As found	2.79	3.40	2.85	4.03	2.22	9.10	6.98	3.20				12.25	21.20		"
	Guarantee														33972	
	Stand. Bull. 182															
	As found				13.75	6.65	20.40	13.75				0.11	17.12			Not registered for 1909.
2390	Guarantee	2.40	3.00	5.00	1.00	1.00	7.00	6.00	10.00				25.56		33973	
	Stand. Bull. 182	2.38	2.89	3.67	3.39	3.54	10.60	7.06	9.21				8.50	26.50		
	As found	2.72	3.32	3.45	3.83	1.57	9.15	7.58	8.73				11.50	26.80		Up to guarantee.
	Guarantee	1.65	2.00				24.00								33974	Bag labelled with guarantee.
	Stand. Bull. 182															
	As found	3.36	4.08		17.78	6.02	23.80	17.78					6.25	32.79		Up to guarantee.
2317	Guarantee	2.47	3.00				23.00								33975	but not registered for 1909.
	Stand. Bull. 182	2.45	2.98		19.25	8.15	27.40	19.25					4.25	31.95		
	As found	3.28	3.99		17.60	5.15	22.75	17.60					5.50	32.06		Up to guarantee.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	COST.		Name and Address of Manufacturer or Furnisher, as given by the Vendor.	Name of Analyst.
				Quantity.	Cents.		

## DISTRICT OF PRINCE EDWARD ISLAND—

1909.							
May 13..	Fertilizer .....	31498	A. Horn & Co., Charlottetown.	5 lb.	10	Swift's Lowell Fert. Co., Boston, Mass.	Bowman...
" 13.	" .....	31499	" " ..	5 lb.	10	" " ..	" .....
" 13..	" .....	31500	" " ..	5 lb.	10	" " ..	" .....

## DISTRICT OF NEW BRUNSWICK—

April 30..	Imperial Super-phosphate.	29994	Ira B. Kierstead, St. John, N.B.	5 lb.	15	Prov. Chem. Fert. Co., Ltd., St. John, N.B.	Bowman...
May 4..	10% Complete Aroostook Potato.	29995	" " ..	5 lb.	15	" " ..	" .....
" 6..	Swift's Lowell Potato Manure.	29996	P. Nase & Son, St. John, N.B.	5 lb.	15	Swift's Lowell Fert. Co., Boston, Mass.	" .....
" 7..	Bradley's Potato Fertilizer.	29997	J. S. Gibbon & Co., St. John, N.B.	5 lb.	15	Am. Agr. Co., Bradley's Fert. Works, Boston, Mass.	" .....
" 17.	P. & P. Potato Grower with 10% Potash.	29998	George T. Baird Co., Ltd., Perth, N.B.	5 lb.	15	Parmenter & Polsey Fert. Co., Boston, Mass.	" .....
" 28..	Bowker's 6% Potato Fertilizer.	29999	D. J. Seely & Son, St. John, N.B.	5 lb.	15	The Bowker Fert. Co., Boston, Mass.	" .....

## DISTRICT OF QUEBEC—

April 26..	Complete Manure.	36728	Julien & Vézina, 1230 Rue St. Valier, Quebec.	5 lb.	15	The Am. Agr. Works, Buffalo.	Dr. Donald.
" 26..	Thomas' Phosphate.	36729	" " ..	5 lb.	15	Unknown .....	" ..
" 26..	Fruit and Vine...	36730	P. T. Légaré, Que- bec.	5 lb.	15	Michigan Carbon Works, Detroit.	" ..
" 26..	Victor .....	36731	" " ..	5 lb.	15	J. F. Higginson & Son, Buckingham.	" ..

FERTILIZERS AS SOLD.

Register Number.	Samples.	RESULTS OF ANALYSIS.										Relative Value per ton of 2,000 lbs.	No. of Sample.	Remarks and Opinion of the Chief Analyst.
		Nitrogen		Phosphoric Acid.						Potash.	Moisture.			
		Total, including that of Nitric Acid or Ammonia, if present.	Total, calculated as Ammonia.	Soluble in Water.	Reverted or Soluble.	Insoluble	Total.	Total Available.						

THEO. MOORE, INSPECTOR.

	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.		
Guarantee.....											31498	
Stand. Bull. 182..												
As found.....	3.63	4.42	3.95	5.40	1.70	4.05	9.35	3.81	8.75	27.34		Unregistered or not identified.
Guarantee.....											31499	
Stand. Bull. 182..												
As found.....	2.31	2.81	4.30	3.70	1.22	9.20	8.00	3.10	11.25	20.55		" ..
Guarantee.....											31500	
Stand. Bull. 182..												
As found.....	2.51	3.06	3.65	2.91	0.52	7.05	6.56	4.13	11.25	20.40		" ..

J. C. FERGUSON, INSPECTOR.

2403	Guarantee.....	2.97	3.61				8.50		2.53			29994	
	Stand. Bull. 182..	2.80	3.40	6.75	0.64	0.46	7.85	7.30	2.37	15.15	18.70		
	As found.....	2.79	3.40	3.70	4.20	1.50	9.40	7.90	4.53	9.70	23.53		Up to guarantee.
2399	Guarantee.....	3.17	3.84				7.97		9.28			29995	
	Stand. Bull. 182..	3.37	4.10	6.65	0.48	0.42	7.55	7.13	10.71	8.65	30.80		
	As found.....	3.71	4.51	5.20	0.28	1.02	6.50	5.48	8.07	10.50	27.54		Nearly up to guarantee.
2304	Guarantee.....	1.65	2.00				8.00	7.00	4.09		17.61	29996	
	Stand. Bull. 182..	1.61	1.95	4.75	2.60	0.80	8.15	7.35	4.24	6.85	18.51		
	As found.....	2.79	3.40	3.65	3.58	1.12	8.35	7.23	6.40	8.50	24.54		Up to guarantee.
2319	Guarantee.....	2.06	2.50	5.00	3.00	2.00	10.00	8.00	3.00		19.00	29997	
	Stand. Bull. 182..	1.91	2.34	7.10	3.55	2.35	13.00	10.65	2.77	13.90	22.39		
	As found.....	3.14	3.83	4.50	3.68	3.12	11.30	8.18	3.10	14.50	24.16		
	Guarantee.....											29998	
	Stand. Bull. 182..												
	As found.....	3.21	3.91	4.40	2.10	1.25	7.75	6.50	8.55	8.50	27		Not registered for 1913.
2415	Guarantee.....	0.82	1.00				7.00	6.00	6.00		15.60	29999	
	Stand. Bull. 182..	1.12	1.36	4.93	3.82	2.55	11.30	8.75	5.11	14.24	19.80		
	As found.....	2.09	2.55	4.20	2.87	2.68	9.75	7.07	5.94	13.75	22.05		Up to guarantee.

E. BELAND, INSPECTOR.

2361	Guarantee.....	2.06	2.50	6.00	2.00	1.00	9.00	8.00	3.00		19.70	36728	
	Stand. Bull. 182..	1.82	2.21	5.25	3.88	1.65	10.78	9.13	3.59	8.40	20.84		
	As found.....	2.25	2.73	5.74	3.11	1.40	10.26		2.73	12.96	21.11		Up to guarantee.
	Guarantee.....											36729	
	Stand. Bull. 182..												
	As found.....				12.61	6.40	19.61			0.12	15.79		Not registered for 1909, or not identified.
2362	Guarantee.....	1.65	2.00	6.00	2.00	1.00	9.00	8.00	10.00		25.31	36730	
	Stand. Bull. 182..	1.57	1.90	6.75	2.23	1.87	10.85	8.98	10.92	9.95	27.37		
	As found.....	1.36	1.67	6.53	2.68	2.89	12.10		7.67	14.04	24.01		Low in potash, sample taken from top of bag.
2299	Guarantee.....	1.65	2.00				7.00		3.00			36731	
	Stand. Bull. 182..	2.69	3.26	6.25	1.12	1.35	9.00	7.77	3.70	6.20	21.98		Up to guarantee.
	As found.....	1.73	2.13	2.39	2.85	2.89	8.13		2.03	5.18	15.18		

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	CONT.		Name and Address of Manufacturer or Furnisher, as given by the Vendor.	Name of Analyst.
				Quantity.	Cents.		

## DISTRICT OF ST. HYACINTHE—

1909.							
May 26..	Soluble Pacific Guano.	38846	Albert Taylor & Co., Waterloo, P. Q.	5 lb. ....		The Am. Ag. Chem. Co., New York.	Dr. Donald.
" 26..	Victor .....	38847	Hayes & Marchessault, West Shefford.	5 lb. ....		Capelton Chem. & Fert. Co., Buckingham.	" ..
" 27..	Scotia Phosphate Powder.	38848	L. Nadeau, Sabrevois.	5 lb. ....		Cross & Sons, Ltd., Glasgow, mfrs., Wm. Ewing & Co., Montreal, frs.	" ..

## DISTRICT OF MONTREAL—

May 1..	Bradleys B. ....	40056	Wm. Anderson, Herdmans, P.Q.	3 jrs .....			Dr. Donald.
" 1..	Alkaline Bone with Potash.	40057	" " ..	3 jrs .....		Am. Agr. Chem. Co. ....	" ..
" 1..	Bradley's Potato..	40058	" " ..	3 jrs .....			" ..
" 1..	Wilson's Special Bean and Grain.	40059	" " ..	3 jrs .....			" ..
" 5..	Sure Growth.....	40060	Wm. Ewing & Co., 146 McGill St., Montreal.	3 jrs .....		W. A. Freeman & Co.,	" ..
" 5..	Potato Manure....	40091	" " ..	3 jrs .....		" " ..	" ..
" 5..	Crocker's Complete Manure.	40092	Wm. Rennie Co., Ltd., McGill St., Montreal.	3 jrs .....			" ..

## DISTRICT OF OTTAWA—

May 28..	Sure Growth Manure.	41241	K. McDonald & Sons, Ottawa.	& 3 lb.	15	The W. A. Freeman Co., Ltd., Hamilton, Ont.	Dr. Donald.
28..	Royal Canadian..	41242	Graham Brothers, Ottawa.	3 lb.	10	Capelton Chemical & Fert. Co., Buckingham.	" ..
" 28..	Pure Bone Meal...	41243	" " ..	3 lb.	9	The W. A. Freeman Co., Ltd., Hamilton.	" ..

FERTILIZERS AS SOLD.

Register Number.	Samples.	RESULTS OF ANALYSIS.										Relative Value per ton of 2,000 lbs.	No. of Sample.	Remarks and Opinion of the Chief Analyst.
		Nitrogen.			Phosphoric Acid.				Total Available.	Potash.	Moisture.			
		Total, including that of Nitric Acid or Ammonia, if present.	Total, calculated as Ammonia.	Soluble in Water.	Reverted or Citrate, Soluble.	Insoluble.	Total.							

J. C. ROULEAU, INSPECTOR.

2330	Guarantee	2.06	2.50	5.00	3.00	2.00	10.00	8.00	1.50	18.40	38846	
	Stand. Bull. 182	1.86	2.26	6.70	3.38	2.02	12.10	10.08	1.55	11.50	20.24	
	As found	1.93	2.34	4.97	2.99	2.88	10.84		2.16	14.11	18.83	Up to guarantee.
2299	Guarantee	1.65	3.00				7.00		3.00			38847
	Stand. Bull. 182	2.69	3.26	6.25	1.12	1.35	9.12	7.77	3.70	6.20	21.98	
	As found	1.51	1.83	2.97	3.42	2.18	8.57		3.43	4.22	16.50	
	Guarantee*											38848
	Stand. Bull. 182											
	As found				8.02	6.22	14.24			0.15	10.69	

J. J. COSTIGAN, INSPECTOR.

	Guarantee											40056	
	Stand. Bull. 182												
	As found	1.01	1.22	6.09	2.63	1.49	10.21		4.34	11.07	19.32		Not registered for 1909, or not identified.
2339	Guarantee			6.00	5.00	1.00	12.00	11.00	2.00		15.00	40057	
	Stand. Bull. 182	0.21	0.25	10.00	2.98	2.82	15.80	12.98	1.80	12.15	18.63		Up to guarantee.
	As found	0.28	0.34	7.62	2.06	1.95	11.63		2.32	11.43	15.27		
2319	Guarantee	2.06	2.50	5.00	3.00	2.00	10.00	8.00	3.00		19.90	40058	
	Stand. Bull. 182	1.91	2.34	7.10	3.55	2.35	13.00	10.65	2.77	13.90	22.39		Up to guarantee.
	As found	2.00	2.43	5.10	3.00	2.20	10.30		2.60	12.84	19.48		
	Guarantee											40059	
	Stand. Bull. 182												
	As found	0.31	0.37	8.28	1.59	1.76	11.63		7.80	9.38	21.07		Not registered for 1909.
2285	Guarantee	2.89	3.50				8.00		3.00			40060	
	Stand. Bull. 182	3.28	3.98	2.30	7.43	2.12	11.85	9.73	3.50	15.00	26.22		Up to guarantee.
	As found	3.29	3.99	2.95	5.42	1.85	10.22		3.99	14.77	25.13		
2283	Guarantee	2.47	3.00				8.00		5.00			40091	
	Stand. Bull. 182	3.02	3.67	2.08	7.15	1.97	11.20	9.23	6.75	13.95	27.97		Up to guarantee.
	As found	2.84	3.45	2.42	5.52	1.28	9.22		8.26	15.32	27.98		
2355	Guarantee	0.82	1.00	6.00	2.00	1.00	9.00	8.00	4.00		16.49	40092	
	Stand. Bull. 182	1.05	1.28	6.73	1.20	3.27	11.20	7.93	3.77	11.15	17.72		Up to guarantee.
	As found	1.06	1.29	6.07	2.10	1.31	9.48		3.95	12.74	17.64		

J. A. RICKEY, INSPECTOR.

2285	Guarantee	2.89	3.50				8.00		3.00			41241	
	Stand. Bull. 182	3.28	3.98	2.30	7.43	2.12	11.85	9.73	3.50	15.00	26.22		Up to guarantee.
	As found	3.18	3.86	3.39	5.31	1.84	10.54		3.91	13.61	25.18		
2297	Guarantee	3.29	4.00				9.00		5.00			41242	
	Stand. Bull. 182	4.12	5.00	9.65	0.17	1.30	11.12	9.82	6.27	10.15	32.44		Up to guarantee.
	As found	3.04	3.69	3.53	1.12	2.85	7.50		6.95	6.17	23.61		
2279	Guarantee	2.47	3.00				23.00					41243	
	Stand. Bull. 182	3.00	3.64		18.80	6.50	25.30	18.80		11.00	32.83		Up to guarantee.
	As found	2.60	3.16		15.08	10.46	26.54		6.30	28.57			

\*30 to 35 % phosphate.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher, as given by the Vendor.	Name of Analyst.
				Quantity.	Cents.		

## DISTRICT OF KINGSTON—

1909.								
May	4..	High Grade Pot-ash.	41141	Earl Spencer, Picton.	5 lb.	10	Am. Agr. Chem. Co., Buffalo, N. Y.	F. X. Valade
"	4..	Complete Fertilizer.	41142	" " "	5 lb.	10	" " "	" "
"	4..	B. D. Sea Fowl Guano.	41143	" " "	5 lb.	10	" " "	" "
"	4..	New Method Fertilizer.	41144	" " "	5 lb.	10	" " "	" "

## DISTRICT OF TORONTO—

May	6..	Crocker's N. Y. Special Phosphate.	36294	R. Moore & Son, Welland.	5 lb.	15	Am. Agr. Chem. Co., Buffalo, N. Y.	F. X. Valade
"	6..	Crocker's Best Pot-ash Compound.	36295	Titherington Bros., St. Catharines.	5 lb.	15	" " "	" "
"	7..	Sure Growth.....	36296	The Steele Briggs Seed Co., Ltd., Hamilton.	5 lb.	20	W. A. Freeman Fert. Works, Hamilton.	" "
"	11..	Farm and Garden Manure.	36297	Wm. Rennie Co., Ltd., Toronto.	5 lb.	10	Vendors .....	" "
"	20..	Queen City Lawn Fertilizer.	36298	The Steele Briggs Seed Co., Ltd., Toronto.	5 1/2 lb.	50	The Am. Agr. Chem. Co., Boston, Mass.	" "

## DISTRICT OF LONDON—

May	12	Bone Meal.....	30677	James Heever & Son, Guelph.	3 lb.	15	W. A. Freeman, Hamilton.	D. Donald.
"	12..	" " .....	30678	W. B. Doughty, Guelph.	3 lb.	15	J. A. Simmers, Toronto..	" "
"	13..	" " .....	30681	John Byers, Stratford.	2 lb.	10	John A. Bruce, Hamilton.	" "

FERTILIZERS AS SOLD.

Register Number.	Samples.	RESULTS OF ANALYSIS.										Remarks and Opinion of the Chief Analyst.		
		Nitrogen.		Phosphoric Acid.									Relative Value per ton of 2,000 lbs.	No of Sample.
		Total, including that of Nitric Acid or Ammonia, if present.	Total, calculated as Ammonia.	Soluble in Water.	Reverted or Soluble.	Citrate.	Insoluble.	Total.	Total Available.	Potash.	Moisture.			

JAS. HOGAN, INSPECTOR.

2352	Guarantee	1.65	2.00	6.00	2.00	1.00	9.00	8.00	10.00	25.31	41141	
	Stand. Bull. 182	1.58	1.92	7.15	1.08	2.02	10.25	8.23	10.79	9.90	26.54	
	As found	2.12	2.57	6.98	1.88	1.43	9.79	8.36	9.98	5.51	26.61	Up to guarantee.
2363	Guarantee	1.65	2.00	6.00	2.00	1.00	9.00	8.00	4.00	19.31	41142	
	Stand. Bull. 182	1.83	2.23	6.45	2.56	1.72	10.73	9.01	4.49	12.15	21.78	
	As found	2.40	2.91	7.21	1.79	1.90	10.90	9.00	9.76	11.44	29.11	Much above guarantee in potash.
2359	Guarantee	2.06	2.50	6.00	2.00	1.00	9.00	8.00	1.50	18.20	41143	
	Stand. Bull. 182	2.19	2.58	6.45	3.01	1.87	11.33	9.46	1.63	11.65	20.48	
	As found	2.29	2.78	5.80	2.21	2.71	10.72	8.01	2.30	13.33	25.09	Up to guarantee.
2358	Guarantee	0.82	1.00	6.00	2.00	1.00	9.00	8.00	2.00	14.49	41144	
	Stand. Bull. 182	1.09	1.33	7.48	1.83	2.22	11.50	9.23	2.13	7.80	17.46	
	As found	1.27	1.46	6.06	2.16	2.39	10.61	8.22	3.13	16.27	17.81	"

H. J. DAGER, INSPECTOR.

2353	Guarantee			8.00	2.00	1.00	11.00	10.00	8.00	20.10	36294	
	Stand. Bull. 182			7.65	2.25	1.25	11.15	9.90	7.76	6.00	19.79	
	As found	0.17	0.21	9.79	1.98	1.91	13.68	11.77	4.98	13.56	20.03	Potash low, sample taken from top of bag.
2352	Guarantee	1.65	2.00	6.00	2.00	1.00	9.00	8.00	10.00	25.31	36296	
	Stand. Bull. 182	1.58	1.92	7.15	1.08	2.02	10.25	8.23	10.79	9.90	26.54	Up to guarantee.
	As found	2.07	2.51	7.73	1.75	2.13	11.61	9.48	8.50	10.75	27.38	
2285	Guarantee	2.89	3.50				8.00		3.00		36296	
	Stand. Bull. 182	3.28	3.98	2.36	7.43	2.12	11.85	9.73	3.50	15.00	26.22	
	As found	3.55	4.31	1.24	5.84	3.22	10.30	7.08	3.58	5.12	24.53	"
	Guarantee										36297	
	Stand. Bull. 182											
	As found	4.12	5.00	trce	6.97	4.26	11.23	6.97	0.69	3.90	23.64	Not registered for 1909, or not identified.
	Guarantee										36298	
	Stand. Bull. 182											
	As found	4.89	5.94	3.04	2.42	2.71	8.17	5.46	3.27	10.26	27.02	" " "

T. KIDD, INSPECTOR.

2270	Guarantee	2.47	3.00				20.00				30677	
	Stand. Bull. 182	3.00	3.64			18.80	6.50	25.30	18.80	11.00	32.83	
	As found	2.78	3.37			14.36	10.80	25.16		7.97	28.49	Up to guarantee.
	Guarantee										30678	
	Stand. Bull. 182											
	As found	4.50	5.46			14.30	9.30	23.60		6.52	33.82	Not registered for 1909.
	Guarantee										30681	
	Stand. Bull. 182											
	As found	3.36	4.36			10.17	9.58	19.75		5.56	25.48	" " "

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher, as given by the Vendor.	Name of Analyst.
				Quantity.	Cents.		
<b>DISTRICT OF WINDSOR—</b>							
1909.							
April 25..	Bone Meal .....	35917	R. Hookway & Son, London.	3bts	.....	Freeman Fert. Works, Hamilton.	F. X. Valade
" 26..	" .....	35918	Darch & Hunter, London.	3bts	.....	Michigan Carbon Works, Detroit.	" ..
" 27..	Fertilizer .....	35919	J. H. McMeechan, London.	3bts	.....	London Fert. Works, London.	" ..
" 27..	Celery and Early Vegetable Manure.	35920	A. M. Hamilton & Son.	3bts	.....	W. A. Freeman, Hamilton.	" ..
<b>DISTRICT OF VANCOUVER—</b>							
April 29..	Fertilizer B. ....	37676	Brackman, Ker Milling Co., New Westminster.	5 lb.	25	Victoria Chem. Co., Victoria, B.C.	C. Fagan...
" 20..	Bone Meal .....	37677	Rennie Co., Ltd., Vancouver.	5 lb.	25	Brackman, Ker Milling Co., Vancouver.	" ..
" 30..	Fish Guano .....	37678	Brackman, Ker Milling Co., Vancouver.	5 lb.	20	B. C. Oiley, Vancouver.	" ..
May 1..	Blood and Bone..	37679	Brown Bros., Vancouver.	5 lb.	25	Vendors.	" ..
" 1..	Muriate of Potash.	37680	M. J. Henry, Vancouver.	5 lb.	25	Victoria Chem. Co., Victoria.	" ..
<b>DISTRICT OF VICTORIA—</b>							
May 27..	Ground Bone. ...	39361	Sylvester Feed Co., Victoria, B.C.	5 lb.	10	Vendors.	C. Fagan...
" 27..	Salmon Guano....	39362	Brackman, Ker Milling Co.	5 lb.	12½	Fraser River Oil & Guano Co., Ltd., Vancouver.	" ..
" 27..	Whale Guano. ...	39363	"	5 lb.	12½	Pacific Whaling Co., Ltd., Vancouver.	" ..
" 28..	Bone and Blood..	39364	F. W. Savory. ....	5 lb.	25	Frye, Bruhne & Co., Seattle, Wash.	" ..
" 28..	Fertilizer B. ...	39365	Victoria Chem. Co., Ltd.	5 lb.	10	Vendors, Victoria, B.C.	" ..



## FERTILIZERS AS SOLD.

Register Number.	Samples.	RESULTS OF ANALYSIS.										Relative Value per ton of 2,000 lbs.	No. of Sample.	Remarks and Opinion of the Chief Analyst.	
		Nitrogen.		Phosphoric Acid.						Potash.	Moisture.				
		Total, including that of Nitric Acid or Ammonia, if present.	Total, calculated as Ammonia.	Soluble in Water.	Reverted or Citrate Soluble.	Insoluble.	Total.	Total Available.							
									p.c.						p.c.
<b>J. TALBOT, INSPECTOR.</b>															
2279	Guarantee	2.47	3.00	...	...	...	20.00	...	...	...	...	...	...	35917	Up to guarantee.
	Stand. Bull. 182	3.00	3.64	...	18.80	6.50	25.30	18.80	...	11.00	32.83	...	...	...	
	As found	1.73	2.10	...	13.30	16.71	30.01	13.30	...	7.76	25.52	...	...	35918	
	Guarantee	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Stand. Bull. 182	...	...	...	...	...	...	...	...	...	...	...	...	...	
	As found	1.33	1.61	...	12.34	17.63	30.48	12.34	...	3.30	18.10	...	...	...	Not registered for 1909, or not identified.
2443	Guarantee	4.96	5.95	...	...	...	16.70	...	3.03	1.09	...	...	...	35919	Much above guarantee in potash.
	Stand. Bull. 182	4.30	5.22	trace	11.90	4.68	16.58	11.90	3.42	7.60	32.53	...	...	...	
	As found	4.16	5.05	"	9.33	6.20	15.53	9.33	6.36	7.59	32.63	...	...	35920	
2286	Guarantee	4.12	5.00	...	...	...	9.00	...	5.00	...	...	...	...	...	Up to guarantee.
	Stand. Bull. 182	4.70	5.83	2.20	6.45	1.50	10.15	8.65	7.20	13.75	33.36	...	...	...	
	As found	4.21	5.11	2.34	3.24	2.61	8.75	5.58	6.32	13.77	27.79	...	...	...	
<b>J. F. POWER, INSPECTOR.</b>															
2391	Guarantee	3.50	4.25	...	...	...	9.00	...	11.00	...	...	...	...	37676	Up to guarantee.
	Stand. Bull. 182	3.07	3.72	8.64	1.89	0.58	11.11	10.53	11.35	...	34.37	...	...	...	
	As found	3.64	4.42	8.50	...	0.20	8.70	...	11.90	6.10	34.54	...	...	37677	
	Guarantee	...	...	...	...	...	...	...	...	...	...	...	...	...	Not registered for 1909, or not identified.
	Stand. Bull. 182	...	...	...	...	...	...	...	...	...	...	...	...	...	
	As found	3.92	4.76	...	14.80	3.00	17.80	...	...	6.70	30.51	...	...	...	Not registered for 1909.
	Guarantee	...	...	...	...	...	...	...	...	...	...	...	...	37678	
	Stand. Bull. 182	...	...	...	...	...	...	...	...	...	...	...	...	37679	
	As found	7.56	9.16	...	7.90	0.20	8.10	...	...	7.60	34.45	...	...	...	Not registered for 1909.
	Guarantee	...	...	...	...	...	...	...	...	...	...	...	...	...	Not registered for 1909.
	Stand. Bull. 182	...	...	...	...	...	...	...	...	...	...	...	...	...	
2397	Guarantee	8.12	9.86	...	12.20	1.90	14.10	...	...	8.00	41.60	...	...	37680	Up to guarantee.
	Stand. Bull. 182	...	...	...	...	...	...	...	...	50.00	50.00	...	...	...	
	As found	...	...	...	...	...	...	...	...	49.22	2.80	49.22	...	...	
	As found	...	...	...	...	...	...	...	...	54.10	7.20	54.10	...	...	
<b>D. O'SULLIVAN, INSPECTOR.</b>															
	Guarantee	...	...	...	...	...	...	...	...	...	...	...	...	39361	Not registered for 1909.
	Stand. Bull. 182	...	...	...	...	...	...	...	...	...	...	...	...	...	
	As found	3.36	4.08	...	14.60	3.00	17.60	...	...	10.10	28.38	...	...	39362	
	Guarantee	...	...	...	...	...	...	...	...	...	...	...	...	...	Not registered for 1909.
	Stand. Bull. 182	...	...	...	...	...	...	...	...	...	...	...	...	...	
	As found	7.84	9.52	...	7.20	trace	7.20	...	...	7.20	16.54	...	...	39363	
	Guarantee	...	...	...	...	...	...	...	...	...	...	...	...	...	Not registered for 1909.
	Stand. Bull. 182	...	...	...	...	...	...	...	...	...	...	...	...	...	
	As found	12.04	14.62	...	...	...	...	...	...	14.10	40.94	...	...	39364	
	Guarantee	...	...	...	...	...	...	...	...	...	...	...	...	...	Not registered for 1909.
	Stand. Bull. 182	...	...	...	...	...	...	...	...	...	...	...	...	...	
	As found	5.45	6.63	...	7.90	0.10	8.00	...	...	9.70	27.28	...	...	39365	
2391	Guarantee	3.50	4.25	...	...	...	9.00	...	11.00	...	...	...	...	...	Up to guarantee.
	Stand. Bull. 182	3.07	3.72	8.64	1.89	0.58	11.11	10.53	11.35	13.25	34.37	...	...	...	
	As found	3.08	3.74	11.40	...	0.20	11.60	...	11.50	8.90	35.71	...	...	...	

