

**CIHM
Microfiche
Series
(Monographs)**

**ICMH
Collection de
microfiches
(monographies)**



Canadian Institute for Historical Microreproductions / Institut canadien de microreproductions historiques

© 1998

The copy filmed here has been reproduced thanks to the generosity of:

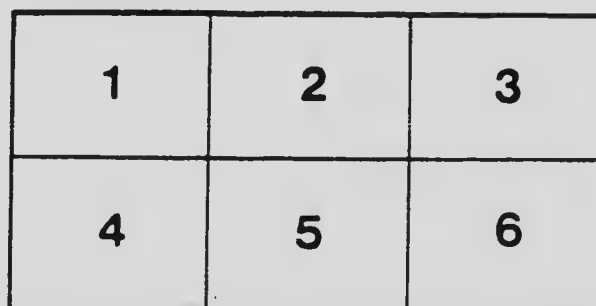
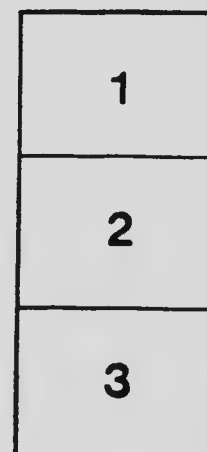
National Library of Canada

The images appearing here are the best quality possible considering the condition and legibility of the original copy and in keeping with the filming contract specifications.

Original copies in printed paper covers are filmed beginning with the front cover and ending on the last page with a printed or illustrated impression, or the back cover when appropriate. All other original copies are filmed beginning on the first page with a printed or illustrated impression, and ending on the last page with a printed or illustrated impression.

The last recorded frame on each microfiche shall contain the symbol \rightarrow (meaning "CONTINUED"), or the symbol ∇ (meaning "END"), whichever applies.

Maps, plates, charts, etc., may be filmed at different reduction ratios. Those too large to be entirely included in one exposure are filmed beginning in the upper left hand corner, left to right and top to bottom, as many frames as required. The following diagrams illustrate the method:



L'exemplaire filmé fut reproduit grâce à la générosité de:

Bibliothèque nationale du Canada

Les images suivantes ont été reproduites avec le plus grand soin, compte tenu de la condition et de la netteté de l'exemplaire filmé, et en conformité avec les conditions du contrat de filmage.

Les exemplaires originaux dont la couverture en papier est imprimée sont filmés en commençant par le premier plat et en terminant soit par la dernière page qui comporte une empreinte d'impression ou d'illustration, soit par le second plat, selon le cas. Tous les autres exemplaires originaux sont filmés en commençant par la première page qui comporte une empreinte d'impression ou d'illustration et en terminant par la dernière page qui comporte une telle empreinte.

Un des symboles suivants apparaîtra sur la dernière image de chaque microfiche, selon le cas: le symbole \rightarrow signifie "A SUIVRE", le symbole ∇ signifie "FIN".

Les cartes, planches, tableaux, etc., peuvent être filmés à des taux de réduction différents. Lorsque le document est trop grand pour être reproduit en un seul cliché, il est filmé à partir de l'angle supérieur gauche, de gauche à droite, et de haut en bas, en prenant le nombre d'images nécessaire. Les diagrammes suivants illustrent la méthode.

LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
OTTAWA, CANADA

BULLETIN No. 213

FERTILIZERS 1910

LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
OTTAWA, CANADA.

BULLETIN No. 213

FERTILIZERS 1910.

OTTAWA, August 12, 1910.

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

SIR,—I beg to hand you a Report upon the Inspection of Fertilizers for the current year. This is the first inspection made under the *Fertilizers Act, 1909*. For the purpose of giving publicity to this Act, I have introduced a copy of the Act,—as an Appendix to this report.

The report deals with 161 samples of which our inspectors found 97 to be offered for sale under registration numbers required by section 7 of the Act. In the cases of 53 other samples, although the registration number was not attached to the sample as offered for sale the description furnished to the inspectors was sufficient to enable us to identify the article, from recorded documents in possession of the department. Although a high degree of certainty attends such identification, it is to be noted (1) that neither vendor nor manufacturer can be legally held responsible for its accuracy, (2) that the fertilizers in question are sold illegally, and the vendor is subject to the penalty prescribed in section 15 of the Act.

Eleven (11) samples, sold without registration numbers, cannot be identified with any registered numbers in the books of this department; and appear to be unregistered.

These samples are clearly sold in violation of the law, and the vendors are subject to the penalties named in section 15.

Interpretation of the results of analysis is strictly speaking, only possible in the cases of the 97 samples sold under registration numbers. Of these samples, 81 (= 83·5 per cent) meet the requirements of their guarantee. The deficiency in the remaining 16 samples is usually in potash, and it is fair to remark that in general, the deficiency is very slightly in excess of that permitted by the Act—(sec. 15 allows of a deficiency of not more than one half of one per cent in cases when the total value is essentially equal to the claim) and is, in some cases, compensated by an excess of other valuable ingredients.

Of 53 samples, in whose case identification with registered brands has been attempted at this office, 44 are found to meet the requirements of the registered brands with which they have been so identified. In the 9 instances in which correspondence has not been found, I have considered it better to judge identification as faulty than to declare them adulterated as failing to meet a standard of uncertain application.

The remaining eleven (11) samples are apparently sold without being registered. The efficiency of the Act of 1909, in protecting purchasers of fertilizers, is dependent upon the registration of all fertilizers offered for sale, and upon their carrying the registration number when actually sold. These conditions are made clear by sections 5 and 7 of the Act; and a penalty is imposed for violation of these conditions by section 15. It may be reasonable to exercise some leniency in this, the first year in which the Act has been operative; but the importance of fulfilling the above named conditions is such that I would respectfully urge the necessity of bringing vendors who neglect registration and proper labelling or tagging, under the penalties named in section 15.

I beg to recommend the publication of this report, with Appendix, as Bulletin No. 213.

I have the honour to be, sir,
Your obedient servant,

A. MCGILL,
Chief Analyst.

(Enclosure)

per ALP. LEMOINE.



8-9 EDWARD VII.

CHAP. 16.

An Act respecting Agricultural Fertilizers.

[Assented to 19th May, 1909.]

HIS Majesty, by and with the advice and consent of the Senate and House of Commons of Canada, enacts as follows:—

1. This Act may be cited as *The Fertilizers Act, 1909.* Short title.
2. In this Act, unless the context otherwise requires,—
 - (a) "Minister" means the Minister of Inland Revenue; Definition.
"Minister."
 - (b) "fertilizer" includes every natural or artificial manure containing phosphoric acid, or nitrogen, or potash, except ordinary stable manure; "Fertilizer."
 - (c) "registration number" means the specific number given by the Minister, under this Act, to each brand of fertilizer; "Registration number."
 - (d) "agent" means any person whose name has been filed with the Minister as provided in section 4 of this Act; "Agent."
 - (e) "guaranteed analysis" means the valuation of a fertilizer by the manufacturer or agent in terms of its content of phosphoric acid, nitrogen and potash. "Guaranteed analysis."
3. Fertilizers shall be considered as of distinct brands when differing either in guaranteed composition, trade mark, name, or in any other characteristic method of marking. Distinct brands.
4. Where the manufacturer of any fertilizer has his factory or chief place of business elsewhere than in Canada, he shall file with the Minister the name of a person resident in Canada, and acceptable to the Minister, or a corporation having its head office in Canada, as the agent or representative of such manufacturer for all the purposes of this Act; and any notice to, or communication or dealing with, such agent or representative by the Minister shall be effectual for all the purposes of this Act. Name of foreign manufacturer's agent or representative in Canada to be filed with Minister.

Default of filing.	2. In default of such filing, the Minister may take any proceeding or action under this Act <i>ex parte</i> , and without any notice to or communication with such person or corporation.
Registration number.	5. Every brand of fertilizer offered for sale in Canada shall bear a registration number, which shall be permanently assigned to the particular brand or species of fertilizer for which it is issued. The number shall be granted by the Minister on the application of the manufacturer of such brand of fertilizer, or his agent, and on payment of a fee of two dollars.
Fee.	
Application for registration number.	6. Every application for a registration number shall be accompanied by a statement giving the following particulars:— (a) Name of brand for which the registration number is asked, and trade mark, if any; (b) Name and address of manufacturer; (c) Name and address of the person applying for registration; (d) Guaranteed analysis; (e) Materials from which the fertilizer is made.
Registration number, how affixed.	7. The registration number must be affixed by the manufacturer, or agent, in a plain and legible manner, to every package of fertilizer sold or offered for sale, and shall constitute an identification of the brand. In addition to the registration number there must be legibly printed, on every package of fertilizer sold, the statement set out in schedule A to this Act. This condition shall be held to be fulfilled if a printed tag, bearing the registration number and the statement required, is securely attached to the package.
Statement required.	
Notice of change of formula and application for new number.	8. If a manufacturer elects to change the formula or composition of any fertilizer for which a registration number has been granted, he shall notify the Minister to that effect, and shall apply for a new registration number to designate the new or altered fertilizer, and the former registration number shall be cancelled, and shall not be reissued.
Annual license to sell.	9. No manufacturer of a fertilizer, and no agent of any such manufacturer, shall sell or offer for sale any fertilizer, as defined by section 2 of this Act, unless he has a license under this Act authorizing the sale thereof.
Fee.	2. Upon application of any such manufacturer or his agent, and upon payment of a fee of five dollars therefor, the Minister may grant a license authorizing the sale of such brands of fertilizers as are named in the license.
Period of validity.	3. Such license shall be in such form as the Minister prescribes and shall confer authority to sell during the calendar year in which the license is issued.
Renewal.	4. The Minister may renew any such license from year to year.

10. Any purchaser of a registered fertilizer may obtain from the Minister an analysis of the fertilizer as delivered to him, by making application for such analysis, accompanied by a sample of the fertilizer of at least one pound weight, and taken in accordance with the directions given in schedule B to this Act, and on payment of a fee of one dollar.

Purchaser of registered fertilizer may obtain analysis

11. The officers of Inland Revenue, the officers of Customs, the inspectors and deputy inspectors of weights and measures, and the inspectors of food, drugs and agricultural fertilizers acting under *The Adulteration Act* shall, when required so to do by any regulation made in that behalf by the Governor in Council or the Minister, act as inspectors of fertilizers, and shall procure and submit for analysis samples of fertilizers offered for sale in Canada.

Certain officers to act as inspectors. R.S., c. 133.

12. Every inspector of fertilizers shall, whenever instructed by the Minister so to do, obtain for analysis a sample of every fertilizer for sale in the district for which such inspector is appointed.

Inspectors to procure samples for analysis

2. Every sample so obtained shall be transmitted to the Minister for submission to the chief analyst for analysis; and the result of all such analyses shall be published annually by the Minister in such manner as he sees fit, together with such other information pertaining to fertilizers as he deems it desirable should be published.

Analysis and publication of results.

13. If any fertilizer is imported for the personal use of the importer, and not for sale, this Act shall not apply thereto, but such importer may secure an analysis of the fertilizer, as delivered to him, on application to the Minister and on payment of a fee of five dollars. The sample submitted must be taken in accordance with the requirements of section 10 of this Act.

Fertilizers imported for personal use.

Analysis

14. This Act shall not apply to fertilizers which are manufactured to the order of the purchaser and are not intended for sale, unless such fertilizers be actually sold by such purchaser; but such purchaser may secure an analysis of the fertilizer as delivered to him, under the conditions stated in section 10 of this Act, on payment of a fee of five dollars.

Fertilizer made to order and not intended for sale. Analysis

15. Every manufacturer or agent, or purchaser in the case provided for in the next preceding section, who sells or offers or exposes for sale any fertilizer in respect of which the provisions of this Act have not been complied with; or who sells or offers or exposes for sale any fertilizer which does not contain the percentage of constituents mentioned in the manufacturer's certificate accompanying such fertilizer, shall be liable in each case to a penalty not exceeding fifty dollars for the first offence, and for each subsequent offence to a penalty not exceeding one hundred dollars

Penalties for non-compliance with this Act.

Chap. 16. *Agricultural Fertilizers.* 8-9 EDW. VII.

Proviso as to evidence of fraudulent intent. dollars and, in default of payment of such penalty, to imprisonment for thirty days. Provided that a deficiency of one-half of one per cent of the ammonia or its equivalent in nitrogen or nitric acid, or of the phosphoric acid, or of the potash claimed to be contained in the fertilizer, shall not be considered as evidence of fraudulent intent, if the total value of the fertilizer in fertilizing materials is substantially equivalent to the guaranteed statement made by the manufacturer or agent.

Forgery of certificate, registration number, etc. Penalty. **16.** Every person who forges, or utters or uses knowing it to be forged, any manufacturer's certificate, registration number, or certificate of analysis required under this Act, is guilty of an indictable offence, and is liable to imprisonment for a term not exceeding two years, with or without hard labour.

Unlawful use of certificate, registration number, etc. Penalty. **17.** Every person who wilfully applies to any fertilizer a certificate, or tag, or registration number given in relation to any other package or lot of fertilizer, every person who sells an unregistered fertilizer, and every person who lowers the fertilizing value of a registered fertilizer by mixing any other substance therewith, after the said fertilizer has been placed upon the market by the manufacturer or agent, shall be liable, on summary conviction, to a penalty not exceeding five hundred dollars, and in default of payment to imprisonment for a term not exceeding twelve months.

False certificate. Penalty. **18.** Every person who gives a false certificate in writing with respect to a fertilizer sold by him as a principal or agent, shall be liable on summary conviction to a penalty not exceeding five hundred dollars, and in default of payment to imprisonment for a term not exceeding twelve months.

Application of fees and penalties. **19.** All fees paid and penalties recovered under this Act shall form part of the Consolidated Revenue Fund of Canada.

R. S., c. 132 repealed. **20.** *The Fertilizers Act*, chapter 132 of the Revised Statutes, 1906, is repealed.

Commencement of Act. **21.** This Act shall come into force on the first day of January, one thousand nine hundred and ten.

SCHEDULE A.

STATEMENT TO BE ATTACHED TO PACKAGE.

1. (Name of brand.)
2. (Registration number.)
3. (Name and address of manufacturer.)
4. (Analysis, as guaranteed by the manufacturer.)

5. Notice. Any purchaser may have an analysis made by the Department of Inland Revenue, on payment of one dollar. Samples must be taken in conformity with the regulations. For regulations address the Deputy Minister of Inland Revenue, Ottawa.

SCHEDULE B.

INSTRUCTIONS FOR TAKING SAMPLES OF FERTILIZERS TO BE SUBMITTED FOR ANALYSIS IN ACCORDANCE WITH SECTION 10.

Samples of fertilizer submitted by a purchaser for analysis must be inclosed in glass jars or bottles, and properly sealed. The samples must be taken in the presence of the vendor or of his representative.

Process of Sampling.

In lots of five tons, or less, portions shall be drawn from each separate package, and from at least ten packages; or if less than ten packages are present, all shall be sampled. In lots of over five tons, at least ten per cent of the packages shall be sampled. The portions so taken shall be thoroughly mixed in the presence of the parties interested, and from this mixture the sample sent to the Minister is to be taken; and must bear the signature of vendor and purchaser; and at the same time a duplicate sample is to be left with the party whose goods are inspected, subject to the call of the manufacturer or agent.

FERTILIZERS AS SOLD

Date of Collection.	Designation.	No. of Sample.	Name and Address of Vendor.	Quantity.	Cents.	Name and Address of Manufacturer or Furnisher, as given by the Vendor.	Inspector's Report.	Registered Number.
1910								
DISTRICT OF NOVA SCOTIA—								
May	6 Stockbridge Manure.	41981	W. O. Bates, Bridgewater, N.S.	5 lbs.	.....	Bowker Fertilizer Co., Boston, Mass.	.....	88
..	6 Potato and Vegetable Phosphate.	41982	" " ..	"	.....	" " ..	.....	92
..	6 Bradley's Potato Manure.	41983	E. Hebb, Bridgewater, N.S.	"	.....	Am. Agr. Chem. Co., New York.	.....	3
..	6 Pacific Potato Special.	41984	" " ..	"	.....	" " ..	.....	15
..	9 Swift's Potato Phosphate.	41985	A. J. Walker & Son, Truro, N.S.	"	.....	Swifts Lowell Fertilizer Co., Boston, Mass.	.....	110
..	9 Swift's Lowell Manure.	41986	" " ..	"	.....	" " ..	.....	114
..	9 Special Potato Phosphate.	41987	Colchester Farmers' Co-op. Assn., Ltd., Truro, N.S.	"	.....	Nova Scotia Fertilizer Co., Halifax, N.S.	.....	40
..	9 Bone Meal	41988	" " ..	"	.....	" " ..	.....	44
..	9 Ten per cent Potato Phosphate.	41989	" " ..	"	.....	" " ..	.....	(41)
..	9 Basic Slag	41990	Jas. Kirkpatrick, Shubenacadie, N.S.	"	.....	Anglo-Continental Guano Works, London, Eng.	*	(47)
..	9 Basic Slag	41991	Thompson & Crowe, Shubenacadie, N.S.	"	.....	R. A. Munro, Glasgow, Scotland.	.....	47
..	10 Grain and Grass Fertilizer.	41992	R. E. Harris & Son, Wolfville, N.S.	"	.....	Essex Fertilizer Co., Boston, Mass.	.....	120
..	10 Complete Manure for Potatoes, Roots and Vegetables.	41993	" " ..	"	.....	" " ..	.....	119
..	10 Square Brand	41994	Burgess & Co., Wolfville, N.S.	"	.....	Bowker Fertilizer Co., Boston, Mass.	.....	95
..	10 Basic Slag	41995	G. F. Roy, Kentville, N.S.	"	.....	Anglo-Continental Guano Works, London, Eng.	.....	106
..	10 Pacific Guano	41996	" " ..	"	.....	Am. Agr. Chem. Co., New York.	.....	14

* I could not find a number on the bag owing to the fertilizer working through.

BULLETIN No. 213.

RESULTS OF ANALYSIS.										Remarks and Opinion of the Chief Analyst.	
Analysis of Sample.	Nitrogen, p.c.		Phosphoric Acid, p.c.					Potash. p.c.	Moisture. p.c.		Number of Sample.
	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.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.		

R. J. WAUGH, INSPECTOR.

As guaranteed....	3.29	4	4	2	1	7	6	10	41981	Slightly below guarantee in potash.
As found.....	3.12	3.79	4.75	1.48	1.27	7.50	6.23	8.16		
As guaranteed....	1.65	2	6	2	1	9	8	2	41982	Up to guarantee.
As found.....	1.37	1.67	4.70	4.20	1.90	10.80	8.99	2.02		
As guaranteed....	2.06	2.50	6	2	1	9	8	3	41983	" "
As found.....	2.02	2.45	6.12	2.03	1.60	9.75	8.15	3.15		
As guaranteed....	2.06	2.50	6	2	1	9	8	3	41984	" "
As found.....	1.96	2.36	6.12	3.23	1.25	10.60	9.35	3.34		
As guaranteed....	2.46	3	4	4	1	9	8	6	41985	" "
As found.....	2.38	2.89	4.32	4.51	0.87	9.70	8.83	5.69		
As guaranteed....	1.64	2	4	3	1	8	7	4	41986	" "
As found.....	2.12	2.58	4.7	3.03	0.97	8.25	7.28	3.76		
As guaranteed....		2.5			2	8	6	7	41987	" "
As found.....	1.96	2.38			1.92	8.25	6.33	8.69		
As guaranteed....		3				23			41988	" "
As found.....	2.88	3.50				23.10				
As guaranteed....		2.5			2	8	6	10	41989	Up to assumed guaran- tee.
As found.....	2.46	2.99			0.92	8.65	7.73	11.10		
As guaranteed....						14	12		41990	" "
As found.....						14.90				
As guaranteed....						14	12		41991	Up to guarantee.
As found.....						14.50	12.13			
As guaranteed....	0.82	1	4	4	1	9	8	4	41992	" "
As found.....	0.85	1.04	5.10	2.90	1.25	9.25	8.00	3.78		
As guaranteed....	3.28	4	3	3	1	7	6	10	41993	" "
As found.....	3.14	3.80	3.37	4.21	1.12	8.70	7.58	10.77		
As guaranteed....	1.65	2	4	2	1	7	6	2	41994	" "
As found.....	1.65	2	4.12	3.33	1.65	9.10	7.45	1.84		
As guaranteed....						13.7			41995	" "
As found.....						13.40				
As guaranteed....	2.06	2.5	6	2	1	9	8	1.5	41996	" "
As found.....	1.74	2.21	6.08	2.52	1.35	9.95	8.60	1.56		

NOTE—When the registered number is printed within brackets this number has been assigned by reference to the Departmental records. The vendor cannot be held responsible for its accuracy, nor can the manufacturer.

FERTILIZERS AS SOLD

Date of Collection.	Designation.	No. of Sample.	Name and Address of Vendor.	Quantity.	Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor.	Inspector's Report.	Registered Number.
DISTRICT OF NOVA SCOTIA								
1910.								
May 11	Special Potato Manure.	41997	C. O. Allen, Kentville, N.S.	5 lbs.	.....	Alex. Cross & Son, Glasgow, Scotland.		166
" 11	Great Eastern High Grade Potato Manure.	41998	" " "	5 "	.....	Am. Agr. Chem. Co., New York.		201
" 11	Peruvian Guano	41999	C. O. Cook & Son, Waterville, N.S.	5 "	.....	Nitrato Agencies Co., Toronto.		303
" 11	Berry Brand	42000	Manufacturer	5 "	.....	Pidgeon Fertilizer Co., Windsor, N.S.		30
DISTRICT OF PRINCE EDWARD ISLAND—								
May 10	Bone and Potash.	38706	R. E. Mutch & Co., Charlottetown.	3 lbs.	.....	Nova Scotia Fertilizer Co., Halifax, N.S.		45
" 10	Ceres Superphosphate.	38707	" " "	3 "	.....	" " "		37
" 11	Potato Phosphate	38708	A. Horne & Co., Charlottetown.	3 "	.....	Swifts Lowell Fertilizer Co., Boston, Mass.		110
" 11	Animal Brand	38709	" " "	3 "	.....	" " "		116
" 11	Bone Fertiliser	38710	" " "	3 "	.....	" " "		113
" 12	Bone Meal	38711	R. E. Mutch & Co., Charlottetown.	3 "	.....	Nova Scotia Fertilizer Co., Halifax, N.S.		44
" 17	Muriate of Potash.	38712	Auld Bros., Charlottetown.	3 "	.....	German Kal Works, Germany.		305
" 17	Nitrate of Soda	38713	" " "	3 "	.....	W. R. Grace & Co., New York.	Not registered.	(325)
" 17	Superphosphate	38714	" " "	3 "	.....	Thos. Vickers & Son, Manchester, G.B.		(324)
" 17	Superphosphate	38715	J. H. Gill, Charlottetown.	3 "	.....	A. Cross & Sons, Glasgow.		(327)
" 17	Nitrate of Soda	38716	" " "	3 "	.....	Nitrate Agency, New York.		(255)
DISTRICT OF NEW BRUNSWICK—								
April 19	Special Potato Phosphate.	39695	Manufacturers	3 jars.	10	The Provincial Chem. Fertil. Co., Ltd., St. John, N.B.		65

BULLETIN No. 213.

Analysis of Sample.	RESULTS OF ANALYSIS.										Remarks and Opinion of the Chief Analyst.
	Nitrogen, p.c.		Phosphoric Acid, p.c.					Potash.	Moisture.	Number of Sample.	
	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.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.		

R. J. WAUGH, INSPECTOR—*Concluded.*

As guaranteed	2 75	3 5	7	8 5	2 5	9	8 5	3 25	8 4	997	Up to guarantee.
As found	3 54	4 30	7 17	2 83	1 05	11 05	10 60	3 32			
As guaranteed	3 25	4	4	2	1	7	6	10		4198	" "
As found	2 91	3 52	4 90	1 23	1 12	7 25	6 13	9 23			
As guaranteed	2 34	2 85				15 25	7 80	2 44		41999	" "
As found	2 80	3 40				2 37	15 60	14 23		3 10	
As guaranteed	3 30	4	6	1	2	9	6	10	10	42000	Below guarantee in Nitrogen.
As found	2 24	2 72	4 25	3 80	0 95	9 00	8 05	10 7			

THEO. MOORE, INSPECTOR.

As guaranteed		2				11		2		38706	Up to guarantee.
As found	2 50	2 80				19 11		3 10			
As guaranteed		2			2	9	7	2		38707	" "
As found	1 26	1 53				1 12	9 10	7 98	2 45		
As guaranteed	2 46	3 00	4	4	1	9	8	6		38708	Below guarantee in total P ₂ O ₅
As found	2 49	3 02	4 12	2 55	1 04	7 71	6 67	5 84			
As guaranteed	2 46	3 00	4	4	2	10	8	4		38709	Up to guarantee.
As found	2 49	3 02	5 62	3 48	1 65	10 75	9 10	4 40			
As guaranteed	1 64	2	4	4	1	9	8	3		38710	" "
As found	2 01	2 45	4 95	4 35	1 20	10 50	9 30	3 63			
As guaranteed		3				23				38711	" "
As found	2 54	3 09				23 10					
As guaranteed								50		38712	" "
As found								49 5			
As guaranteed		15								38713	Up to assumed guarantee.
As found		15 18 22									
As guaranteed								16		38714	" "
As found						2 15	19 50	17 35			
As guaranteed										38715	" "
As found				18 85			18 85				
As guaranteed		15 18 3								38716	" "
As found		15 14 18 40									

J. C. FERGUSON, INSPECTOR.

As guaranteed		2 5				8		6		39695	Up to guarantee.
As found	2 27	2 75				9 85		8 32			

* 25 per cent phosphate.

FERTILIZERS AS SOLD

Date of Collection.	Designation.	No. of Sample.	Name and Address of Vendor.	Quantity.	Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor.	Inspector's Report.	Registered Number.
DISTRICT OF NEW BRUNSWICK—								
1910.								
April 19 10	p.c. Complete Aroostook Potato.	39686	Manufacturers....	3 jars	10	The Provincial Chem Fertilizer Co., Ltd., St. John, N.B.		65
" 19	Bone Meal . . .	39697	"	3 "	10	"		72
" 21	Swifts Lowell Animal Brand.	39698	P. Nase & Son, St. John, N.B.	3 "	15	Swifts Lowell Fertilizer Co., Boston, Mass.		116
" 21	Swifts Lowell Potato Manure.	39699	"	3 "	15	"		114
" 21	Swifts Lowell Empress Brand.	39700	"	3 "	15	"		(112)
" 28	Thomas Phosphate Powder (Alberts Lasic Slag).	45201	The Anglo Canadian Chem. Co., St. John, N.B.	3 "	15	H. & E. Albert, London, Eng.		1
" 28	Special Odorless Potato Phosphate.	45202	"	3 "	15	"		142
" 29	Bowker's Potato Phosphate.	45203	D. J. Seely & Son, St. John, N.B.	3 "	15	Bowker Fertilizer Co., Boston, Mass.		92
" 29	Stockbridge Potato	45204	"	3 "	15	"		88
May 5	Bradleys N. L. Superphosphate of Lime.	45205	A. H. Vanwart, Fredericton, N.B.	3 "	15	The Am. Agr. Chem. Co., (Bradley Fertilizer Works) Boston & New York.		2
" 5	Bradleys Potato Fertilizer*	45206	"	3 "	15	"		3
" 7	Aroostook Complete Manure.	45207	Solomon Perley, Woodstock, N.B.	3 "	15	The Am. Agr. Chem. Co., New York.		184
" 7	Quinnipiac Chimax Phosphate	45208	Phillips Estey & Co., Woodstock, N.B.	3 "	15	"		13
" 9	Bradleys High Grade Fertilizer with 10 p.c. Potash.	45209	Guy G. Porter, Perth, N.B.	3 "	15	"		8
" 18	New England Peerless Fertilizer.	45210	The Sussex Mercantile Co., Ltd., Sussex, N.B.	3 "	15	New England Fertilizer Co., Boston, Mass.		134
May 18	New England Corn and Grain Fertilizer.	45211	The Sussex Mercantile Co., Ltd., Sussex, N.B.	3 lbs.	15	New England Fertilizer Co., Boston, Mass.		132
" 18	Bowker's Bone and Potash (Square Brand).	45212	W. B. McKay & Co., Sussex, N.B.	3 "	15	Bowker Fertilizer Co., Boston, Mass.		95

* The watchman on spike of the Fertilizer as Roads. I give what was on P'kge from which sample was taken.

BULLETIN No. 213.

Analysis of Sample	RESULTS OF ANALYSIS.										Remarks and Opinion of the Chief Analyst.
	Nitrogen, p. c.					Phosphoric Acid, p. c.					
	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.	Potash.	Moisture.	No. of Sample.	

J. C. FERGUSON, INSPECTOR—Continued.

As guaranteed		4				8		10		39696	
As found	3 08	3 74				9 20		10 66			Up to guarantee.
As guaranteed		3 10				24 15			6 25	39697	
As found	3 23	3 93				24 00					
As guaranteed		2 46	3	4	2	10	8	4		39698	
As found	2 10	2 55	6 37	1 33	2 30	10	7 70	4 09			
As guaranteed		1 64	2	4	3	1	8	7	4	39699	
As found	1 40	1 70	5	2 15	0 35	8	7 15	3			Below guarantee in potash.
As guaranteed		1 25	1 50	4	3	1	8	7	2	39700	
As found	1 17	1 42	5 50	3 35	1 15	10 00	8 85	2 51			Up to assumed guarantee.
As guaranteed						15				45201	
As found				13 95	2 50	16 45	13 95				Up to guarantee.
As guaranteed		2				7		7		45202	
As found	2 28	2 77				9 10		6 51			
As guaranteed		1 65	2	6	2	1	9	8	2	45203	
As found	1 61	1 95	6	4 10	1 60	11 70	10 10	1 95			
As guaranteed		3 29	4	4	2	1	7	6	10	45204	
As found	3 12	3 79	4 67	2 68	1	8 35	7 35	7 51			Below guarantee in potash.
As guaranteed		2 06	2 5	6	2	1	9	8	1 5	45205	
As found	1 92	2 33	7 07	2 81	1 07	10 95	9 88	2 62			Up to guarantee.
As guaranteed		2 06	2 5	6	2	1	9	8	3	45206	
As found	2 34	2 84	7 10	3 30	1 05	11 45	10 40	3 14			
As guaranteed		2 47	3	4	2	1	7	6	10	45207	
As found	2 35	2 86	5 02	2 23	1 10	8 35	7 25	9 98			
As guaranteed		1 03	1 25	6	2	1	9	8	2	45208	
As found	1 07	1 22	6 90	2 33	1 67	10 95	9 28	2 20			
As guaranteed		2 47	3	4	2	1	7	6	10	45209	
As found	2 49	3 02	4 67	3 56	1 27	9 50	8 23	10 24			
As guaranteed		0 82	1	4	3	1	8	7	1	45210	
As found	1 05	1 28	4 72	2 96	1 37	9 05	7 68	1 42			
As guaranteed		1 22	1 5	4	3	1	8	7	2	45211	
As found	1 37	1 67	4 35	3 28	0 97	8 60	7 63	3 28			
As guaranteed		1 65	2	4	2	1	7	6	2	45212	
As found	1 57	1 90	3 50	5 03	1 57	9 10	8 53	1 47			

351

FERTILIZERS AS SOLD

Date of Collection.	Designation.	No. of Sample.	Name and Address of Vendor.	Quantity.	Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor.	Inspector's Report.	Registered Number.
1916.								
DISTRICT OF NEW BRUNSWICK—								
May 19	Suble Pacific Guano.	45213	Toombs & Son, Moncton, N.B.	3 lbs.	15	The Am. Agr. Chem. Co., New York.		14
" 19	Pacific Potato Special.	45214	"	3 "	15	"		15
DISTRICT OF QUEBEC—								
May 2	Fruit and Vine	36788	P. T. Legare, Quebec.			The Am Agr. Chem. Co., Buffalo.	No license on hand.	212
" 2	Virginia Tobacco Fertilizer.	36589	"			"	"	207
" 2	Complete Fertilizer.	36590	"			"	"	(206)
" 2	Home-stead High Grade Garden & Vegetable Brand.	36591	"			"	"	(210)
" 2	Fertilizer	36592	"			Capelton Chem. & Fert. Co., Buckingham.	"	87
" 2	Defiance Brand	36593	"			Am. Fertilizer Co., Buffalo.	"	(203)
" 2	Fertilizer	36594	Manufacturer			F. C. Marquis, Quebec.	"	?
" 3	Complete Manure	36595	Julien & Vezina, Quebec.				Impossible to see analysis as it is effaced.	226
" 3	Thomas Phosphate (Basic Slag).	36596	"			Leeds Phosphate Works, Leeds.		253
" 3	Bilston Basic Slag.	36597	J. B. Reneaud & Co., Quebec.			British Oil & Cake Mills, Liverpool.		302
DISTRICT OF ST. HYACINTHE—								
April 21	Bradley's Potato	40285	James F. Kerr, Sherbrooke, P.Q.	3 jars.		Am. Agr. Chem. Co.		(3)
" 21	Eclipse	40286	"	3 "		"		(4)
April 21	Corn special	40287	J. S. Mitchell & Co., Sherbrooke.	3 jars.		Capelton Chem. &		(82)
" 21	Royal Canadian	40288	"	"		"		(84)
" 21	Capelton	40289	"	"		"		(81)
"	Reliance	40290	"	"		"		(86)

BULLETIN No. 213.

Analysis of Sample.	RESULTS OF ANALYSIS.										Remarks and Opinion of the Chief Analyst.	
	Nitrogen, p.c.		Phosphoric Acid, p.c.						Potash.	Moisture.		No. of Sample.
	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.					p. c.	p. c.		p. c.
J. C. FERGUSON, INSPECTOR—Concluded.												
As guaranteed . . .	2.06	2.56	6.2	1.9	8.8	1.5	45213					
As found	2.02	2.45	5.37	2.08	1.15	9.60	7.45	1.78			Up to guarantee.	
As guaranteed . . .	2.06	2.56	6.2	1.9	8.8	3	45214					
As found	2.07	2.52	5.20	3.45	1.40	10.05	8.65	3.24			"	
E. BELAND, INSPECTOR.												
As guaranteed . . .	1.65	2.6	6.2	1.9	8.8	10	36586					
As found	1.79	2.18	5.25	4.03	1.82	11.10	9.28	8.50			Below guarantee in potash.	
As guaranteed . . .	1.65	2.6	6.2	1.9	8.8	4	36589					
As found	1.58	1.92	7.00	1.70	2.00	10.70	8.70	4			Up to guarantee.	
As guaranteed . . .	1.65	2.6	6.2	1.9	8.8		36590					
As found	1.86	2.26		14.00	4.00	18.00	14.00				Apparently incorrect identification.	
As guaranteed . . .	2.06	2.56	6.2	1.9	8.8	6	36591					
As found	1.45	1.76	7.12	1.33	0.85	9.30	8.45	8.05			"	
As guaranteed . . .	3.25	4.6	6.2	1.9	8.8	7	36592					
As found	0.40	0.54	6.00	2.48	1.42	9.90	8.48	1.52			Below guarantee in potash.	
As guaranteed . . .	1.65	2.6	6.2	1.9	8.8	2	36593					
As found	1.35	1.66	7.52	4.03	1.80	13.35	11.55	3.70			Up to assumed guarantee	
As guaranteed . . .	3.14	3.81		13.10	8.50	21.60	13.10		15.80		36594	
As found	4.42	5.37		11.95	4.45	16.40	11.95				Apparently not registered.	
As guaranteed . . .	2.06	2.56	6.2	1.9	8.8	3	36565					
As found	2.17	2.63	5.52	3.21	1.87	10.60	8.73	3.91			Up to guarantee.	
As guaranteed . . .					13		36596					
As found				14.00	4	18.00	14.00				"	
As guaranteed . . .				15.40	3.85	19.25					36597	
As found				16.40	3.85	20.25	16.40				"	
J. J. COSTIGAN, ACTING INSPECTOR.												
As guaranteed . . .	2.06	2.56	6.2	1.9	8.8	3	40285					
As found	1.75	2.09	7.12	2.56	1.47	11.15	9.68	3.28			Up to assumed guarantee	
As guaranteed . . .	1.03	1.25	6.6	1.9	8.8	2	40286					
As found	0.90	1.09	7.35	1.60	2.05	11.00	8.95	2.95			"	
As guaranteed . . .		1			7		40287					
As found		1.03	1.25			11.35		4.19			"	
As guaranteed . . .		4			9		40288					
As found		3.48	4.23			11.20		4.42			"	
As guaranteed . . .					10		40289					
As found					10.90						"	
As guaranteed . . .		2					40290					
As found		1.97	2.39			3.60	10.90	7.30			2.81	

FERTILIZERS AS SOLD

Date of Collection.	Designation.	No. of Sample.	Name and Address of Vendor.	Quantity.	Cents.	Name and Address of Manufacturer or Furnisher, as given by the Vendor.	Inspector's Report.	Registered Number.
1910								

DISTRICT OF ST. HYACINTHE—

April 27	Pacific Guano.....	40291	H. E. Baldwin, Barfour, P.Q.	3 jars.....		Am. Agr. Chem. Co.		(14)
" 27	Bradley's High Grade.	40292	" " " "	" " " "		" " " "		(8)
" 27	Fertilizer.....	40293	R. J. Smith & Son, Coaticook, P.Q.	" " " "		Bowker Fert. Co.		(91)
" 27	" " " " " "	40294	" " " "	" " " "		" " " "		?

DISTRICT OF MONTREAL—J. J. COSTIGAN, INSPECTOR

April 20	Victor	1101	A. Dubeau, St. Re- dempteur.	3 lbs.....		Capelton Chem. & Fert. Co., Buck- ingham.		83
" 21	Sure Crop Bone Phosphate.	1102	Besner & Chasle, Valleyfield.	" " " "		Bowker Fert. Co., Boston, Mass.		98
" 22	Celery and Potato.	1103	T. Cogeland, Herd- man's Corner.	" " " "		Buffalo Fert. Co., Buffalo.		57
" 22	Ideal Wheat and Corn.	1104	" " " "	" " " "		" " " "		56
" 22	Bradley's B.	1105	Wm. Henderson, Herdman's Cor- ner.	" " " "		The Am. Agr. Chem. Co., New York.		259
" 26	Tobacco Manure..	1106	Wm. Ewing & Co. Montreal.	" " " "		Freeman's Fert. Works, Hamil- ton.		149
" 29	Sure Growth Man- ure.	1107	" " " "	" " " "		" " " "		144
" 29	Potato Manure....	1108	" " " "	" " " "		" " " "		145
" 26	Victor.....	1109	R. J. Latimer & Co., Montreal.	" " " "		Capelton Chem. & Fert. Co., Buck- ingham.	Could not find a Reg- istration No.	(83)
" 26	Beans and Pota- toes.	1110	Dupuy & Furgu- son, Montreal.	" " " "		The Am. Agr. Chem. Co., New York.		260
" 26	Crock New Gen- eral C. P.	1111	Lapaille Freres, Lachine.	" " " "		" " " "		301
" 27	Milsons' Buffalo Guano.	1112	F. H. McKough, Hemmingford.	" " " "		" " " "		264
" 28	Victor Guano.....	1113	O. Chevalier & Fils, Joliette.	" " " "		Prov. Chem. Fert. Co., Ltd., St. John, N.B.		68

Registered Number.

Analysis of Sample.	RESULTS OF ANALYSIS.										Remarks and Opinion of the Chief Analyst.		
	Nitrogen, p.c.		Phosphoric Acid, p.c.							Potash.		Moisture.	Number of Sample.
	Total, including that of nitric acid or ammonia if present.	Total calculated as ammonia.	Soluble i. Water.	Reverted or Citrate Soluble.	Insoluble.	Total.	Total available.						
								p.c.	p.c.	p.c.		p.c.	p.c.

J. J. COSTIGAN, ACTING INSPECTOR—*Concluded.*

(14)	As guaranteed	2.06	2.5	6	2	1	9	8	1.5	40291	Up to assumed guarantee
	As found	2.13	2.59	3.25	6.38	1.37	10.90	9.63	2.10		
(8)	As guaranteed	2.47	3	4	2	1	7	6	10	40292	" "
	As found	2.63	3.20	4.82	2.50	0.55	7.87	7.32	9.70		
(91)	As guaranteed	2.47	3	6	2	1	9	8	4	40293	" "
	As found	2.49	3.03	6.90	2.85	1.60	11.35	9.75	5.89		
?	As guaranteed									40294	Apparently not registered.
	As found										

AND J. C. ROULEAU, ACTING INSPECTOR.

83	As guaranteed		2				7		3	1101	Up to guarantee.	
	As found	1.89	2.29				10.12		3.88			
98	As guaranteed	0.82	1	4	2	1	7	6	2	1102	" "	
	As found	1.40	1.71	4.80	4.05	3.00	11.85	8.25	1.58			
57	As guaranteed	1.6	2	6	2	1	9	8	10	1103	Below guarantee in potash.	
	As found	1.97	2.38	5.47	2.93	2.10	10.50	8.40	6.23			
56	As guaranteed	1.6	2	7	2	1	10	9	5	1104	" "	
	As found	1.65	2	5.30	3.25	2.00	10.55	8.55	3.44			
259	As guaranteed	0.82	1	6	2	1	9	8	4	1105	Up to guarantee.	
	As found	0.95	1.16	6.52	3.01	1.27	10.80	9.53	3.86			
149	As guaranteed	2.47	3	5	2	0.25	7.25	7	5	8	1106	" "
	As found	2.35	2.86	4.77	2.73	2.25	9.75	7.50	10.05			
144	As guaranteed	2.89	3.5	5	3	0.25	8.25	8	3	8	1107	" "
	As found	3.12	3.80	4.55	4.60	2.05	11.20	9.15	3.74			
145	As guaranteed	2.47	3	5	3	0.25	8.25	8	5	8	1108	" "
	As found	3.15	3.82	3.75	3.30	3.70	10.75	7.05	6.62			
(83)	As guaranteed		2				7		3	1109	Up to assumed guarantee	
	As found	2.13	2.58				9.30		2.92			
260	As guaranteed	0.82	1	6	2	1	9	8	4	1110	Up to guarantee.	
	As found	0.78	0.94	7.00	2.25	1.55	10.80	9.25	4.01			
301	As guaranteed	0.82	1	6	2	1	9	8	1	1111	" "	
	As found	1.14	1.29	6.85	1.50	2.00	10.35	8.35	1.54			
264	As guaranteed	0.82	1	6	2	1	9	8	4	1112	Below guarantee in potash.	
	As found	0.90	1.09	5.95	3.75	1.40	11.10	9.70	2.94			
68	As guaranteed		2				7			1113	Up to guarantee.	
	As found	1.45	1.76				8.95		5.67			

FERTILIZERS AS SOLD

Date of Collection.	Designation.	No. of Sample.	Name and Address of Vendor.	Quantity	Cents	Name and Address of Manufacturer or Furnisher as given by the Vendor.	Inspector's Report.	Registered Number.
1910								

DISTRICT OF MONTREAL—J. J. COSTIGAN, INSPECTOR

May	3 Phosphate for Grass.	1114	O. Chevalier et fils, 3 lbs. Joliette.	3	12	Glenarmuck Phosph. Works.	Could not find place where made.	254
"	3 No. 1	1115	Vessot & Cie, Joliette.	3	12	Capelton Chem. & Fert. Co., Buckingham.		81
"	4 Crookers High Grade Special Fertilizer.	1116	J. A. Piette, Berthierville.	3	12	The Am. Agr. Chem. Co. New York.		261
"	4 Michigan Carbon Works Virginia Tobacco Fertilizer.	1117	O. Piette, Berthierville.	3	12	Mfg. by Michigan Carbon Works for Am. Agr. Chem. Co.		207
"	4 Crookers Complete Manure.	1119	W. M. Rennie Ltd., Montreal.	3	12	Am. Agr. Chem. Co.		193
"	11 Milson's Special Bean and Grain Fertilizer.	40163	Wm. Anderson, Herdman, P.Q.	3	12	" "		(263)
"	21 Fertilizer.	40164	J. B. Walsh, Orms-towa, P.Q.	3	12	Buffalo Fert. Co.		?

DISTRICT OF OTTAWA

April 13	Sure-Growth Manure.	42947	Kenneth McDonald & Sons, Ottawa.	3 lbs.	12	The W. A. Freeman Co., Hamilton.	Could find no Reg. No. on bags.	(144)
"	13 Celery and Early Vegetable Manure.	42948	" " "	3	13	" " "	" " "	(148)
"	13 Tankage	42950	Graham Bros., Ottawa.	3	5	" " "	" " "	(150)
"	13 Bone Meal	42951	" " "	3	5	" " "	" " "	146
April 13	Bradley's Complete Manure for Potatoes and Vegetables.	42952	" " "	3	10	The Am. Agr. Chem. Co., New York.		191
"	18 Standard Fertilizer	42953	Manufacturers	3	Nil	The Standard Fert. and Chem. Co., Smith's Falls.		280
"	18 Watch'em Grow	42954	" " "	3	"	" " "		282
"	18 Phosphate Plaster.	42955	" " "	3	"	" " "		283
"	19 Capelton Fertilizers.	42956	" " "	3	"	Capelton Chem & Fert. Co., Buckingham.		87
"	19 Victor	42957	" " "	3	"	" " "		83

BULLETIN No. 213.

Analysis of Sample.	RESULTS OF ANALYSIS.										Number of Sample.	Remarks and Opinion of the Chief Analyst.
	Nitrogen, p.c.		Phosphoric Acid, p.c.					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.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.				
As guaranteed.....											1114	
As found.....			12.18	4.77	16.95	12.18						Up to guarantee.
As guaranteed.....						10					1115	
As found.....						11.40						"
As guaranteed.....	1.65	2	6	2	1	9	8	4			1116	
As found.....	1.58	1.92	6.77	9.28	1.42	10.70	9.28	4.33				"
As guaranteed.....	1.65	2	6	2	1	9	8	4			1117	
As found.....	1.51	1.84	6.67	1.96	1.87	10.50	8.63	5.64				"
As guaranteed.....	0.82	1	6	2	1	9	8	4			1119	
As found.....	0.98	1.19	7.35	1.40	1.25	10.00	8.75	3.78				"
As guaranteed.....			8	2	1	11	10	8			40163	
As found.....			9.40	0.90	0.70	11.00	10.30	9.65				Up to assumed guarantee
As guaranteed.....											40164	
As found.....												Apparently not registered.

J. A. RICKEY, INSPECTOR.

As guaranteed.....	2.89	3.5	5	3	0.25	8.25	8	3	8	42947	
As found.....	3.35	4.07				11.30		4.19			Up to assumed guarantee
As guaranteed.....	4.12	5	5.5	3.5	0.25	9.25	9	5	8	42948	
As found.....	4.34	5.27				9.10		4.88			"
As guaranteed.....		6				13				42950	
As found.....	5.99	7.27				16.25					"
As guaranteed.....	2.47	3		20	1	21	20		9	42951	
As found.....	4.07	4.95		17.00	5.20	22.20	17.00				Up to guarantee.
As guaranteed.....	3.29	4	6	2	1	9	8	7		42952	
As found.....	3.36	4.08	7.77	2.21	0.62	10.60	9.98	7.66			"
As guaranteed.....	2	2.4	8	1	5	14	9	2	8	42953	
As found.....	2.13	2.58	8.12	2.38	6	16.50	10.50	3.01			"
As guaranteed.....		4					9	8		42954	
As found.....	4.09	4.94		10.60	0.40	11.00	10.60	7.57			"
As guaranteed.....					5	5				42955	
As found.....					4.62	9.80	5.18				"
As guaranteed.....						10				42956	
As found.....						12.15					"
As guaranteed.....		2				7		3		42957	
As found.....	2.12	2.58				9.00		3.70			"

* 28 per cent Sol. Phosphate.

FERTILIZERS AS SOLD

Date of Collection.	Designation.	No. of Sample.	Name and Address of Vendor.	Quantity.	Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor.	Inspector's Report.	Registered Number.
1910.								
DISTRICT OF KINGSTON—								
April 19	Sea Fowl Guano	44292	Earl Spencer, Pic-ton.	3 lbs.	10	Am. Agr. Chem. Co., Buffalo.	.....	(182)
"	19 High Grade Potash	44293	"	3 "	10	"	.....	(182)
"	19 Complete Manure.	44294	"	3 "	10	"	.....	"
"	20 Bone and Potash.	44295	Thompson & McDonald, Cobourg	3 "	10	W. A. Freeman Co., Hamilton.	.....	(147)
"	20 Potato Manure.	44296	"	3 "	10	"	.....	(145)
"	20 Sure Growth Manure.	44297	"	3 "	10	"	.....	(144)
"	20 Lawn Fertilizer.	44298	"	3 "	10	"	.....	(157)
DISTRICT OF TORONTO—								
May	5 Crocker's Best Potash Fertilizer.	45037	R. Moore & Son, Welland.	4 lbs.	15	Am. Agr. Chem. Co., Buffalo.	.....	194
"	6 Crocker's Potato Special, Wheat and Corn Fertilizer.	45038	Jno. McLeod, St. Ridgeway.	4 "	15	"	.....	195
"	6 Farmers Choice.	45039	B. L. Elgecombe, Dunville.	4 "	15	The Buffalo Fertilizer Co., Buffalo.	.....	53
"	9 Celery and Potato Special.	45040	J. E. Barrick, Port Colborne.	4 lbs.	15	The Buffalo Fertilizer Co., Buffalo.	.....	57
"	10 Bradleys, B. D. Sea Ionl guano.	45041	Titterington Bro., St. Catharines.	4 "	15	The Au. Agr. Chem. Co., Buffalo.	.....	188
"	10 Davies Blood meat and Bone.	45042	The St. Catharines Cold Storage Co. Ltd. St. Catharines.	4 "	15	The Wm. Davies Co., Ltd., Toronto.	.....	304
"	12 Lawn Fertilizer.	45043	J. R. Black, St. Catharines.	5 "	20	The W. A. Freeman, Ltd., Hamilton.	No Registration No. on the Bags.	(157)
"	12 Phosphate and Potash.	45044	Clayton Field, Niagara on the Lake.	4 "	15	Buffalo Fertilizer Co., Buffalo.	.....	51
"	12 Crocker's wheat and Corn Fertilizer.	45045	C. E. Fisher & Sons, Queenstown.	4 "	15	Am. Agr. Chem. Co., Buffalo.	.....	195
"	13 Celery and Potato Special.	45046	J. F. Galbraith, Stoney Creek.	4 "	15	Buffalo Fertilizer Co., Buffalo.	.....	57
"	13 Berry Harab Animal Fertilizer.	45047	Jno. G. White, Winona.	4 "	15	The Harris Abattoir Co., Ltd., Toronto.	.....	289

BULLETIN No. 213.

Analysis of Sample.	RESULTS OF ANALYSIS.									Remarks and Opinion of the Chief Analyst.
	Nitrogen, p. c.			Phosphoric Acid, p. c.				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.	

JAS. HOGAN, INSPECTOR.

As guaranteed....	2.06	2.50	6	2	1	9	8	1.5	44292	
As found.....	1.93	2.34	7.17	1.71	2.27	11.15	8.88	2.43	44293	Up to assumed guarantee
As guaranteed....	1.65	2	6	2	1	9	8	10	44293	"
As found.....	1.52	1.90	6.98	1.42	1.50	9.90	8.40	9.67	44294	"
As guaranteed....	1.65	2	6	2	1	9	8	10	44295	Apparently not registered.
As found.....	3.54	4.30	8.10	3.70	0.60	12.40	11.80	7.76	44295	Up to assumed guarantee
As guaranteed....	1.65	2	5.5	3.5	0.25	9.25	9	6	44296	"
As found.....	2.71	3.28	3.25	5.85	1.85	10.95	9.10	9.63	44296	"
As guaranteed....	2.47	3	5	3	0.25	8.25	8	5	44297	"
As found.....	3.08	3.74	3.00	5.25	3.05	11.30	8.25	7.30	44297	"
As guaranteed....	2.89	3.5	5	3	0.25	8.25	8	3	44298	"
As found.....	3.09	3.75	0.90	5.65	4.25	10.80	6.55	3.74	44298	"
As guaranteed....	2.47	3	5.5	3.5	0.25	9.25	9	4	44298	"
As found.....	2.71	3.30	7.12	0.48	1.60	9.30	7.60	7.26	44298	"

H. J. DAGER, INSPECTOR.

As guaranteed....	1.65	2	6	2	1	9	8	10	45037	
As found.....	1.51	1.84	6.77	2.78	0.70	10.25	9.55	11.5	45038	Up to guarantee.
As guaranteed....	2.06	2.5	6	2	1	9	8	1.5	45038	
As found.....	1.23	1.50	4.32	1.78	1.12	7.22	6.10	5.00	45038	Below guarantee in phosphoric acid.
As guaranteed....	0.80	1	6	2	1	9	8	5	45039	
As found.....	0.91	1.10	4.52	3.48	1.00	9.00	8.00	5.38	45039	Up to guarantee.
As guaranteed....	1.60	2	6	2	1	9	8	10	45040	
As found.....	1.85	2.24	5.20	2.20	7.28	5.08	10.42	1.5	45041	Below guarantee in phosphoric acid.
As guaranteed....	2.06	2.5	6	2	1	9	8	1.5	45041	
As found.....	1.96	2.38	6.00	2.35	2.00	10.35	8.35	2.06	45041	Up to guarantee.
As guaranteed....	6.59	8	.....	.....	.....	13	.....	.....	45042	
As found.....	6.86	8.33	.....	.....	.....	14.25	.....	.....	45042	"
As guaranteed....	2.47	3	5.5	3.5	0.25	9.25	9	4	45043	
As found.....	2.19	2.66	7.82	3.08	0.67	11.57	10.90	4.40	45043	Up to assumed guarantee.
As guaranteed....	.....	.....	10	2	1	13	12	5	45044	
As found.....	.....	.....	7.12	4.53	2.00	13.65	11.65	4.33	45044	Slightly below guarantee in potash.
As guaranteed....	2.06	2.5	6	2	1	9	8	1.5	45045	
As found.....	1.77	2.14	6.07	3.51	1.47	11.05	9.58	2.37	45045	Up to guarantee.
As guaranteed....	1.6	2	6	2	1	9	8	10	45046	
As found.....	1.54	1.75	5.87	2.61	1.27	9.75	8.48	5.60	45046	Below guarantee in potash.
As guaranteed....	2.5	3	.....	.....	.....	10	7	6.5	45047	
As found.....	2.74	3.33	.....	.....	.....	10.10	7.73	5.25	45047	"

FERTILIZERS AS SOLD

Date of Collection.	Designation.	No. of Sample.	Name and Address of Vendor.	Quantity.	Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor.	Inspector's Report.	Registered Number.
DISTRICT OF TORONTO—								
1910.								
May 13	Sure growth manure.	4504	Manufacturer	4 lbs.	15	The W. A. Freeman Co., Ltd., Hamilton.		144
" 17	Early Vegetable Manure.	45049	Manufacturer	4 "	15	The Wm. Davies Co., Ltd., Toronto.		247
" 17	Bradleys Complete Manure for Potatoes and Vegetables.	45050	Jno. Cunningham, Cooksville.	4 "	15	Am. Agr. Chem. Co., Buffalo.		191
" 17	Potato manure.	45051	J. E. Bell, Cooksville.	4 "	15	The W. A. Freeman Co., Ltd., Hamilton.	No Registration No. on Bags.	(145)
" 18	Pure Animal Fertilizer, Brand H.	45952	J. A. Summers, 151, King, St. E. Toronto.	5 "	25	Wm. Harris & Co., Daforth Ave., Toronto.		285
" 23	Potato 'Harab' Animal Fertilizer.	45053	J. N. McGregor, Oakville.	5 "	15	The Harris Abattoir Co., Ltd., Toronto.		286
" 23	High Grade Potash Compound.	45054	R. A. Balty, Oakville.	5 "	15	The Am. Agr. Chem. Co., New York.	No Registration No. on Bags.	(182)
" 25	Crockers New York Special Phosphate.	45055	Titterington, Bros., St. Catharines.	5 "	15	"		192
May 25	Davies Early Vegetable Manure.	45056	The St. Catharines Cold Storage Co., St. Catharines.	5 "	15	Wm. Davies Co., Ltd., Toronto.		247
DISTRICT OF LONDON—								
May 4	Pure Animal Fertilizer Brand H.	42301	Jno. Byers, Stratford.	3 yds.	15	W. Harris Co., Toronto.	No Registration No. on package.	(285)
" 6	Sure Growth Manure.	42311	Richard G. Seldon, Exeter.	3 "	15	Freeman Fertilizer Co., Hamilton.		144
" 7	Bone Meal	42314	D. W. Newcombe, St. Thomas.	3 "	15	W. A. Freeman Co., Hamilton.		146
" 7	Fertilizer	42315	"	3 "	15	"	No Registration No. or no Analysis on Bag.	?
" 13	Homestead Bone Black.	42316	Thos. Benstead, Strathroy.	3 "	15	Am. Agr. Chem. Co., Detroit.		(213)
" 13	Homestead High Grade Garden and Vegetable Fertilizer.	42317	"	3 "	15	"		(210)
" 3	Rex Brand	42599	O. H. Killer, Stratford.	3 "	15	Rex Manfg. Co., Weston, Ont.		12

BULLETIN No. 213.

Analysis of Sample.	RESULTS OF ANALYSIS.										Remarks and opinion of the Chief Analyst.
	Nitrogen, p.c.		Phosphoric Acid, p.c.					Potash.	Moisture.	No. of Sample.	
	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.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.		

H. J. DAGER, INSPECTOR—*Concluded.*

As guaranteed....	2.89	3.55	5	3	0.25	8.25	8	3	8	45048	Up to guarantee.
As found.....	3.32	4.03			2.37	11.45	9.98	6.60			
As guaranteed....	4.12	5				11	9	5		45049	"
As found.....	4.03	4.90			0.92	13.00	12.08	4.81			
As guaranteed....	3.29	4	6	2	1	9	8	7		45050	"
As found.....	2.91	3.54	6.92	2.18	0.92	10.02	9.10	7.30			
As guaranteed....	2.47	3	5	3	0.25	8.25	8	5	8	45051	Up to assumed guarantee.
As found.....	3.20	3.88	3.62	5.33	1.82	10.77	8.95	6.02			
As guaranteed....	7.15	8.69	0.67	3.9	2.74	7.31	4.57		10.91	45052	Below guarantee in nitrogen.
As found.....	6.30	7.60	0.70	4.28	2.32	7.30	4.98				
As guaranteed....	4	4.9				11	8			45053	Up to guarantee.
As found.....	5.72	6.95				11.00		8.23			
As guaranteed....	1.65	2	6	2	1	9	8	10		45054	Up to assumed guarantee.
As found.....	1.96	2.38	6.90	2.45	1.42	10.77	9.35	11.76			
As guaranteed....			8	2	1	11	10			45055	Up to guarantee.
As found.....			8.00	4.68	1.12	13.80	12.68	7.91			
As guaranteed....	4.12	5				11	9	5		45056	Up to guarantee.
As found.....	3.68	4.47			4.00	14.45	10.45	4.48			

JNO. TABLOT, ACTING INSPECTOR.

As guaranteed....	7.15	8.69	0.67	3.9	2.74	7.31	4.57		10.91	42301	Up to assumed guarantee
As found.....	7.54	9.16	0.75	6.40	1.65	8.80	7.15				
As guaranteed....	2.89	3.55	5	3	0.25	8.25	8	3	8	42311	Up to guarantee.
As found.....	3.02	3.67	4.72	5.78	1.75	12.25	10.50	5.77			
As guaranteed....	2.47	3		20	1	21	20		9	42314	Essentially up to guarantee.
As found.....	3.92	4.75		14.75	6.25	21.00	14.75				
As guaranteed....										42315	Apparently not registered.
As found.....											
As guaranteed....	2.06	2.5	6	2	1	9	8	1.5		42316	Up to assumed guarantee
As found.....	2.24	2.72		8.20	0.70	9.90	8.20	1.93			
As guaranteed....	1.65	2	6	2	1	10	8	5		42317	"
As found.....	1.61	1.95		9.35	0.65	10.00	9.35	4.96			
As guaranteed....	1.97	2.4	3	1	1	5	4	4		42509	Up to guarantee.
As found.....	3.63	4.40	4.78	2.80	1.12	8.70	7.58	4.77			

FERTILIZERS AS SOLD

Date of Collection.	Designation.	No. of Sample.	Name and Address of Vendor.	Quantity.	Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor.	Inspector's Report.	Registered Number.
1910								

DISTRICT OF WINDSOR—

April 20	Bone and Potash..	42567	Struthers & Church, Galt.	3 jars.	10	Buffalo Fertilizer Co.	Brand on Bag No. 4352.	(51)
" 20	Celery and Potato Special.	42568	" " "	3 " "	10	" " "	" " "	(57)
" 21	Fertilizer.....	42575	Geo. Kirk, Woodstock.	3 " "	10	W. A. Freeman Co., Hamilton.	No. Registration on Bags.	(157)
" 21	"	42576	Hastings & Son, Woodstock.	3 " "	20	" " "	" " "	145
" 22	Sure Growth.....	42579	A. H. Hamilton, London South.	3 " "	20	" " "	" " "	144
" 22	Celery and Vegetable Manure.	42581	" " "	3 " "	20	" " "	" " "	148

DISTRICT OF VANCOUVER—

May 7	Fertilizer 'B'.....	44860	The Brackman, Ker Milling Co., Vancouver.	6 lbs.	15	Victoria Chem. Co. Ltd., Victoria, B.C.	Sample was taken from bin in warehouse of vendor.	(74)
" 7	Bone Meal.....	44861	Manufacturers, Vancouver, B.C.	"	15	The Brackman, Ker Milling Co., Victoria, B.C.	"	?
" 7	Nitrate of Soda ..	44862	The Brackman, Ker Milling Co., Vancouver, B.C.	"	20	The Victoria Chem. Co., Ltd., Victoria, B.C.	"	(27)
" 7	Muriate of Potash	44863	"	"	20	"	"	(79)
" 7	Sulphate of Potash	44864	"	"	15	"	"	(78)
" 7	Fertilizer 'C'	44865	Wm. Rennie & Co., Vancouver, B.C.	"	35	"	"	(75)
" 7	Rennies Plant Food.	44866	"	3 pkgs	75	W. Rennie, Toronto	"	(276)
" 7	Fertilizer 'A'	44867	Royal Nurseries & Floral Co., Vancouver.	6 lbs.	25	The Brackman, Ker Milling Co., Vancouver, B.C.	"	?
" 7	Bone Meal.....	44868	"	"	25	"	"	?
" 7	"	44869	M. J. Henry, Vancouver, B.C.	"	25	The Chas. H. Lilly Co., Seattle, Wash.	"	(297)

BULLETIN No. 213.

Analysis of Sample.	RESULTS OF ANALYSIS.										Remarks and Opinion of the Chief Analyst.	
	Nitrogen, p.c.		Phosphoric Acid, p.c.						Potash.	Moisture.		No. of Sample.
	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.	p.c.		p.c.

JNO. TALBOT, INSPECTOR.

As guaranteed.....			10	2	1	13	12	5		42567	
As found.....						11.20		3.34			Doubtful identification.
As guaranteed....	1.64	2	6	2	1	9	8	10		42568	
As found.....	1.61	1.95				10.70		6.85			" "
As guaranteed.....		3				9		4		42575	
As found.....	1.44	1.75				12.65		3.47			" "
As guaranteed....	2.47	3	5	3	0.25	8.25	8	3	8	42576	
As found.....	2.82	3.42	4.10	5.60	1.95	11.65	9.70	6.95			Up to guarantee.
As guaranteed....	2.89	3.5	5	3	0.25	8.25	8	3	8	42579	
As found.....	2.90	3.52	5.35	5.33	1.02	11.70	10.68	4.51			" "
As guaranteed....	4.12	5	5.5	3.5	0.25					42581	
As found.....	4.21	5.12	4.50	5.78	1.87	12.15	10.28				" "

D. O'SULLIVAN, ACTING INSPECTOR.

As guaranteed....	3.5		10					11		44860	
As found.....	2.06	2.53	12.40			14.40		7.01			Doubtful identification.
As guaranteed....										44861	
As found.....											Apparently not registered.
As guaranteed....	15									44862	
As found.....	15.08	18.32									Up to assumed guarantee.
As guaranteed....								50		44863	
As found.....								49.53			Samples mixed by inspector.
As guaranteed....								50		44864	
As found.....								49.48			Up to assumed guarantee.
As guaranteed....			12.5					11		44865	
As found.....			14.2			16.20		4.59			Doubtful identification.
As guaranteed....	2.5	8						2		44866	
As found.....			11.80			12.30		5.37			" "
As guaranteed....										44867	
As found.....											Apparently not registered.
As guaranteed....										44868	
As found.....											" "
As guaranteed....	3			17	5	22				44869	
As found.....	3.75	4.55		11.88	12.32	24.20	11.88				Up to assumed guarantee.

FERTILIZERS AS SOLD

Date of Collection.	Designation.	No. of Sample.	Name and Address of Vendor.	Quantity.	Cents.	Name and Address of Manufacturer or Furnisher, as given by the Vendor.	Inspector's Report.	Registered Number.
1910								

DISTRICT OF VICTORIA—

April 27	'A' Grade	37926	G. Bazett, Dun- can, B.C.	6 lbs.	60	Victoria Chem. Co. Victoria, B.C.	Tags torn, could not see if registered.	(73)
" 27	"	37927	"	"	60	"	"	(73)
" 30	Fertilizer	37928	Jay & Co., Vic- toria, B.C.	"	25	Unknown	Imported, not regis'trd	?
" 30	Whale Guano	37929	Brackman, Ker, Victoria, B.C.	3 lots.	25	Pacific Whaling Co., Victoria, B.C.	.....	?
" 30	'C' Grade	37930	Manufacturers	"	25	Victoria Chem. Co.	.....	(75)
" 30	Superphosphate of Lime.	37931	"	"	25	"	.....	(80)
" 30	Muriate of Potash	37932	"	"	25	"	.....	(79)
" 30	Nitrate of Soda	37933	"	"	25	"	.....	(77)
" 30	Sulphate of Potash	37934	"	"	25	"	.....	(78)
" 30	Kainit	37935	"	"	25	"	.....	?

