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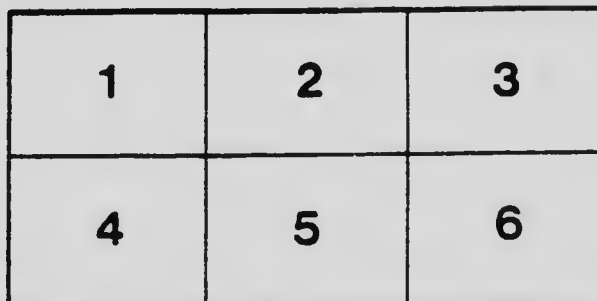
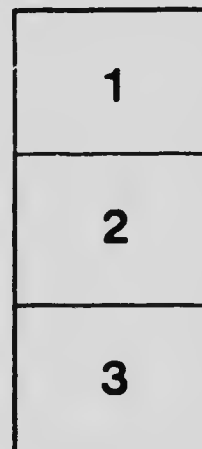
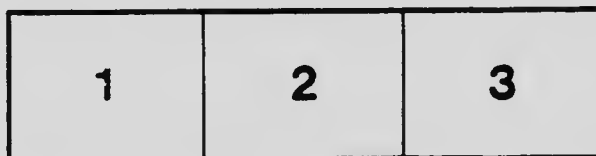
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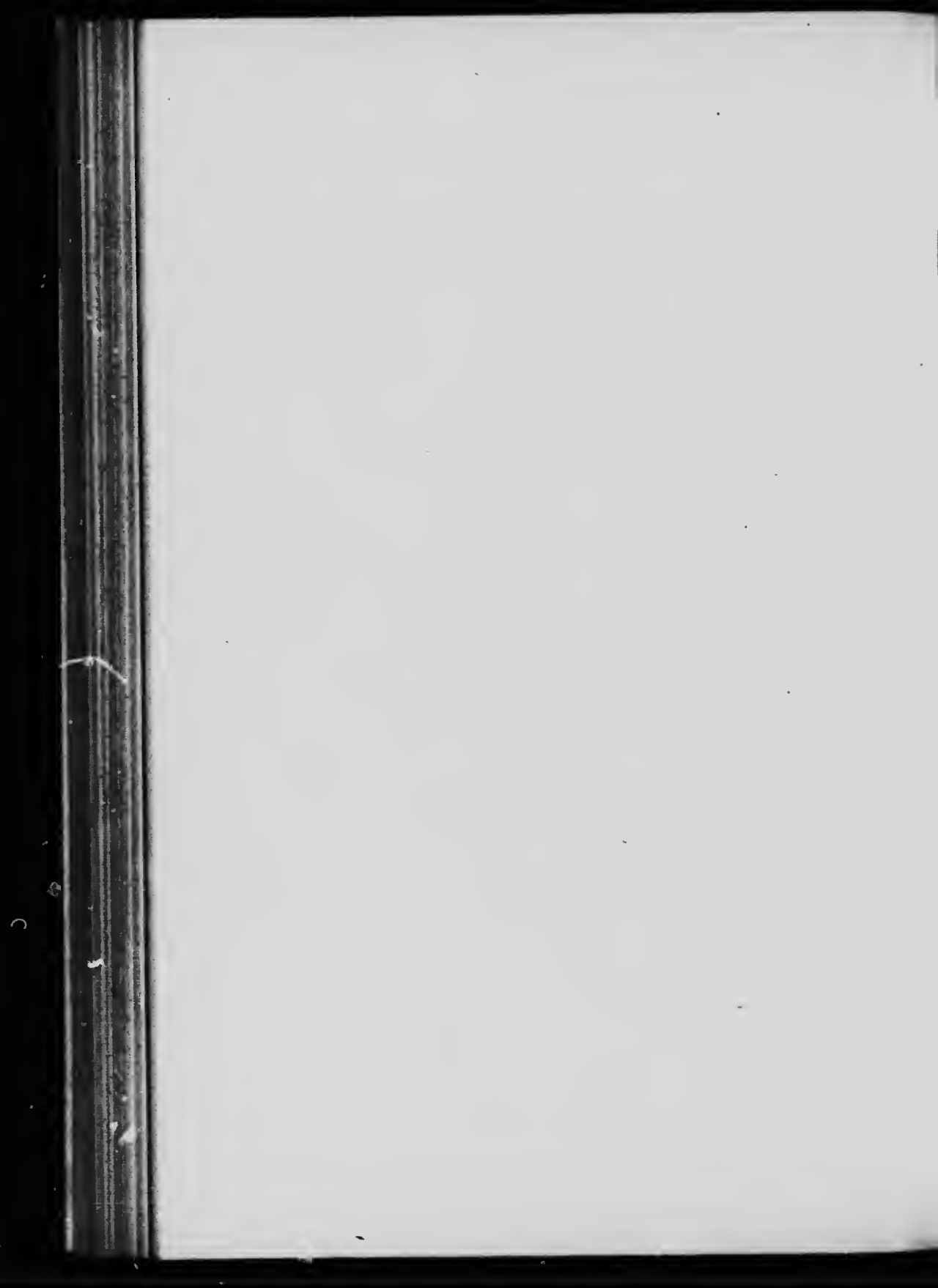
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LABORATORY
OF THE
INLAND REVENUE DEPARTMENT

OTTAWA, CANADA

BULLETIN No. 412

BRAN

NOTES AND COMMENTS.

Under this heading, as occasion arises, the Bulletins issued by this Department will contain, as an appendix, such comment as may seem necessary or advisable upon matters relating to the work of the Department in connection with the administration of the Adulteration Act, the Fertilizers Act, the Feeding Stuffs Act or the Proprietary Medicines Act.

It frequently happens that correspondents ask information regarding the above Acts, of such nature that the matter in question possesses general interest, and comment upon it would prove acceptable and useful to others than the immediate questioner. In such cases the reply may find a place in these columns. For convenience of reference these notes will be numbered in series.

A. MCGILL,
Chief Analyst.

LABORATORY
 OF THE
INLAND REVENUE DEPARTMENT
OTTAWA, CANADA

BULLETIN No. 412

B R A N

OTTAWA, July 31st, 1918.

GEO. W. TAYLOR, Esq.,
 Asst. Deputy Minister of Inland Revenue,

SIR,—I beg to hand you a report upon 153 samples of Feeds, purchased as Bran by our inspectors during January, February and March of the current year.

With one exception (70445) these samples are brans, and the exceptional sample is sold as Oat Feed. It is of very low quality and if offered for sale at all should be registered, and sold under a guarantee of actual feed value.

All the remaining samples meet existing standards for Bran, so far as nutritive value is concerned. Bran must contain (Order in Council of May, 1910, revised Dec. 1917, Circular G. 1292).

Proteids	at least 14 per cent.
Fat.....	" 3 "
Fibre	at most 10 " and not more than 25 seeds of noxious weeds per pound of the material.

Fifteen samples are condemned on account of excessive amounts of the seeds of weeds declared noxious, by regulations made under the Seed Control Act, modified in such a way as to apply to grain products used as food for domestic animals. As explained in Bulletins Nos. 254 and 319, a certain amount of devitalization of weed seeds occurs in the digestive tract of animals, and it has been held reasonable to adopt a much less stringent interpretation in the case of Cattle Feeds, than can be allowed in seed grain.

It is much to be deplored that our Western farmers appear to permit the almost indefinite spread of weeds in grain fields. While the spread of noxious weeds is particularly objectionable, I cannot regard the presence of thousands of seeds per pound of bran, as insignificant, even when such seeds are those of Lamb's Quarters (*Chenopodium album*) or Black Bindweed (*Polygonum convolvulus*) not usually listed as noxious. It is quite true that most seeds possess a distinct value as food material, containing as they do, protein and fat in high percentage amount, and in some cases starch as well; but it may be questioned whether the danger of further propagation of these nuisances in our wheat fields does not completely offset such value as feed. The

seeds of various species of mustards, which are very largely in evidence, are, moreover, distinctly poisonous to cattle and especially to hogs; so that the question of destroying these seeds at the elevators, instead of permitting them to come into commerce, is worthy of consideration.

Changes in the milling of grain, authorized during recent years by the Board of Food Control, may be naturally expected to affect, in greater or less degree, the character of by-products, such as bran. Inspection of this Feed will be continued, and further reported in due course.

Meantime, it is satisfactory to note that the present report indicates no marked deterioration of commercial bran during the first three months of the current year.

I beg to recommend publication of this report as Bulletin No. 412.

I have the honour to be, Sir,

Your obedient servant.

A. MCGILL,
Chief Analyst.

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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.	
				Quantity.	Cents.	Manufacturer.	Furnisher.

DISTRICT OF NOVA SCOTIA—

1918.								
Mar.	1	Bran.	83301	Hants Co. Fruit and Produce Co., Windsor, N.S.	1½ lb.	Nil	Ogilvie F. M., Montreal.	Mfrs.
"	1	"	83302	Wentworth Stores, Windsor, N.S.	1½ "	"	St. Lawrence M. Co., Montreal.	"
"	1	"	83303	Shand Bros., Windsor, N.S.	1½ "	5	Quaker Oats Co., Peterboro'.	"
"	12	"	83304	G. A. Richmond & Son, Halifax, N.S.	1½ "	Nil	Robin Hood Flour Mills, Moose Jaw	"
"	12	"	83305	I. B. Shaffner, Ltd., Halifax, N.S.	1½ "	"	Dominion F. M., Montreal.	"
"	13	"	83306	B. O. Bishop, Dartmouth, N.S.	1½ "	5	Unknown	Unknown
"	13	"	83307	Forsyth, Jr., Dartmouth, N.S.	1½ "	5	Dominion F. M., Montreal.	Mfrs.

DISTRICT OF NEW BRUNSWICK—

Jan.	24	Bran.	78272	Ira B. Kierstead, St. John, N.B.	1½ lb.	10	Maple Leaf M. Co., Toronto.	.....
"	24	"	78273	Wm. J. Alexander, St. John, N.B.	1½ "	10	Dominion F. M., Ltd., Montreal.	.....
"	24	"	78274	James Stephenson & Sons, St. John, N.B.	1½ "	10	Ogilvie M. Co., Montreal.	.....
"	24	"	78275	J. Cogger & Son, St. John, N.B.	1½ "	10	Western F. M. Co., Ltd., Winnipeg.	.....
"	30	"	78276	R. Sullivan & Co., St. John, N.B.	1½ "	15	McLeod M. Co., Stratford, Ont.	.....
"	31	"	78277	C. H. Peters & Sons, St. John, N.B.	1½ "	15	St. Lawrence F. M., Montreal.	.....
"	31	"	78278	Charles Maber, St. John, N.B.	1½ "	15	Robin Hood Mills, Moose Jaw.	.....
"	31	"	78279	O. S. Dykeman, St. John, N.B.	1½ "	Nil	Lake of the Woods M. Co., Keewatin.	.....
Feb.	21	"	78280	F. H. Everett, Fredericton, N.B.	1½ "	15	Vendor	.....
"	21	"	78281	Samson & McNally, Fredericton, N.B.	1½ "	15	Canadian Cereal and Flour Mills, Ayr, Ont.	.....

DISTRICT OF QUEBEC CITY—

Jan.	17	Wheat Bran.	70422	S. Bussiere, 40 Sutherland, Quebec.	½ lb.	3	Ogilvie Mills, Medicine Hat.	.....
"	17	"	70423	" " " "	½ "	3	Lake of the Woods Mills, Keewatin.	.....
"	17	"	70424	" " " "	½ "	3	Western Canada Flour Mills, Toronto.	.....
"	17	"	70425	Joseph Boiteau, 27 Sutherland, Quebec.	½ "	3	Ogilvie F. M., Montreal.	.....

BRAN.

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis.					No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Protein.	Fat.	Fiber.	Moisture.	Vital Weed Seeds, per lb.		

R. J. WAUGH, INSPECTOR.

	p. c.	p. c.	p. c.	p. c.			
.....	16.32	5.30	10.20	.....	80 Lamb's Quarters, 8 Black Bindweed, 16 Field Pennycress, 8 Hare's-ear Mustard.	83301	
.....	15.54	5.04	8.96	.....	None.....	"	
.....	16.46	5.34	9.60	.....	168 Black Bindweed, 112 Lamb's Quarters, 8 Lady Thumb.		
.....	16.12	5.83	10.80	.....	108 Lamb's Quarters, 64 Field Pennycress.	83305	Noxious weed seeds in excess. Adulterated.
.....	15.31	5.27	11.44	.....	88 Black Bindweed, 208 Lamb's Quarters, 40 Field Pennycress, 8 Cow Cockle, 8 Ball Mustard, 16 Wild Mustard, 56 Hare's-ear Mustard.	83305	" "
.....	14.67	5.00	9.68	.....	None.....	83306	
.....	16.56	6.12	10.72	.....	8 Black Bindweed, 144 Lamb's Quarters, 8 Field Pennycress.	83307	

JOHN C. FERGUSON, INSPECTOR.

.....	17.08	5.11	9.20	.....	None.....	78272	
.....	15.35	5.42	9.40	.....	16 Black Bindweed, 104 Lamb's Quarters, 16 Hare's-ear Mustard, 8 Field Pennycress.	78273	
.....	15.31	5.14	9.48	.....	None.....	78274	
.....	15.40	5.34	9.72	.....	".....	78275	
.....	16.50	4.96	7.88	.....	".....	78276	
.....	16.90	5.60	8.24	.....	".....	78277	
.....	17.00	4.76	9.12	.....	".....	78278	
.....	13.59	4.62	9.04	.....	".....	78279	
Celestial	16.00	3.78	5.48	.....	".....	78280	
.....	15.01	5.00	8.52	.....	".....	78281	

LEON HARDY, ACTING INSPECTOR.

.....	15.68	5.38	10.60	.....	224 Lamb's quarters.....	70422	
.....	15.47	5.22	10.92	.....	None.....	70423	
.....	15.12	4.82	8.76	.....	".....	70424	
.....	15.10	5.19	9.56	.....	".....	70425	

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.	
				Quantity.	Cents.	Manufacturer.	Furnisher.

DISTRICT OF QUEBEC CITY—

1918.							
Jan. 18	Wheat Bran	70426	A. A. Cantin, 555 St. Valier, Quebec.	½ lb.	3	Dominion F. M., Montreal.	
" 18	"	70427	Napoleon Bertrand, 685 St. Valier, Que.	½ "	3	Alex. Brown Milling Co., Toronto.	
" 18	"	70429	" " "	½ "	3	Ogilvie F. M., Montreal.	
" 18	"	70430	" " "	½ "	3	Maple Leaf M. Co., Peterboro.	
" 18	"	70431	" " "	½ "	3	Peterboro Cereal Co., Ltd., Peterboro.	
" 18	"	70432	Cléophas Turcotte, 944 St. Valier, Que.	½ "	3	St. Lawrence F. M., Montreal.	
" 18	"	70433	" " "	½ "	3	Lake of the Woods M. Co., Keewatin.	
" 18	"	70434	Philomon Bussière, 23 Doldard, Quebec.	½ "	3	Robin Hood Mills, Moose Jaw.	
" 18	"	70435	" " "	½ "	3	St. Lawrence F. M., Montreal.	
" 18	"	70436	J. J. Papin, 132 Massue, Quebec.	½ "	3	Western Canada Flour Mills Co.	
" 18	"	70437	Olivier Bacon, 28 St. Hermine, Quebec.	½ "	3		P. G. Bussière
" 21	"	70442	J. & E. E. Robitaille, 1283 St. Valier, Quebec.	½ "	2	J. E. Robitaille, Ancienne Lorette.	
" 21	"	70443	Bégin & Frères, 67 Rue St. Roch, Quebec.	½ "	3	Campbell F. M., Toronto.	
" 22	"	70444	Geo. Tanguay, 176, 48 Rue St. Paul, Quebec.	½ "	3		
" 22	Oat Feed...	70445	" " "	½ "	3	Peerless Cereal Mills, Woodstock, Ont.	
" 22	Wheat Bran.	70446	F. Kirouac & Fils, 46 St. André, Quebec.	½ "	3	Quaker Oats Co., Peterboro.	

DISTRICT OF QUEBEC PROVINCE--J. H. RIOUX,

Jan. 16	Son	7785	J. F. Belzile, St. Fabien...	3	15	Canadian Cereal Flour Mills.	
" 24	Bran	7831	M. Bernatchez, Montmagny.	1½ lb.	5		J. B. Renaud, Quebec.
" 26	"	7832	Alphonse Boulet, Montmagny.	1½ "	5	Lake of the Woods...	
" 28	"	7833	C. A. Corriveau, Montmagny.	1½ "	8	Rigaud Milling, Rigaud, Quebec.	
" 15	Son	5526	Charlesmagne Taillon, St. Jerome.	1½ "	5	St. Lawrence...	
" 15	"	5527	Charlesmagne Huot, St. Jerome.	1½ "	5	Ogilvie...	
" 22	"	5533	A. Larocque, Lachute, P.Q.	1½ "	5	Robin Hood...	
" 22	"	5534	G. H. Creswell, Lachute, P.Q.	1½ "	5	Lake of the Woods...	

BRAN.

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis.					No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Protein.	Fat.	Fibre.	Moisture.	Vital Weed Seeds, per lb.		

Concluded.

	p. c.	p. c.	p. c.	p. c.			
.....	14.80	4.18	9.76	.....	None	70426	
.....	13.88	4.05	10.32	.....	224 Black Bindweed, 6 Lamb's Quarters, 8 Ball Mustard, 16 Hare's-ear Mustard.	70427	
.....	15.45	4.48	7.52	.....	None.....	70429	
.....	15.10	4.31	8.28	.....	" .....	70430	
.....	13.77	4.91	9.88	.....	" .....	70431	
.....	16.60	5.60	8.60	.....	" .....	70432	
.....	15.31	5.43	10.76	.....	48 Lamb's Quarters, 8 Field Pennycress.	70433	
.....	17.48	5.40	9.56	.....	None.....	70434	
.....	17.20	5.30	8.92	.....	" .....	70435	
.....	15.68	5.21	9.48	.....	" .....	70436	
.....	15.35	5.13	9.40	.....	" .....	70437	
.....	15.68	4.42	7.88	.....	" .....	70442	
.....	15.55	5.35	9.60	.....	" .....	70443	
.....	16.22	5.20	9.24	.....	" .....	70444	
.....	6.65	2.93	20.60	.....		70445	Sold as Oat Feed, and should be registered. Adul- terated under the Act.
.....	16.22	4.30	8.96	.....	None	70446	

T. GENDREAU, N. CADIEUX, TEMPORARY INSPECTORS.

.....	15.0	6.45	8.1	9.04	None	7785	
.....	14.5	4.75	9.4	9.82	"	7831	
.....	15.0	5.81	10.4	9.31	16 Lamb's Quarters, 16 Field Pennycress.	7832	
.....	14.8	4.63	10.5	9.72	None.....	7833	
.....	14.9	5.38	10.0	8.77	"	5526	
.....	16.2	5.73	9.4	8.69	"	5527	
.....	15.8	5.69	11.2	8.80	"	5533	
.....	15.2	5.04	11.0	8.72	"	5534	

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.	
				Quantity.	Cents.	Manufacturer.	Furnisher.

DISTRICT OF THREE RIVERS—

1918							
Jan. 17	Bran.	8009	W. Afrid Brissette, St. Felix de Valois.	1½ lb.	10	Can. Western Flour Mills, Montreal.	.....
" 18	"	8014	Felix Champagne, St. Felix de Valois.	2 "	6	St. Lawrence F. M., Montreal.	.....
" 19	"	8016	G. H. Read, St. Felix de Valois.	1½ "	4	Ogilvie F. M. Co., Montreal.	.....
" 19	"	8023	Geo. Dufresne, St. Felix de Valois.	1½ "	10	Lake of the Woods Flour Mills, Ottawa.	.....
" 19	"	8024	" " "	1½ "	10	Wm. Scott F. M., Ottawa.	.....

DISTRICT OF EASTERN TOWNSHIPS—

Jan. 19	Son	7664	Shoener Co., Pierreville	3 lb.	15	West. Can. Mills, Montreal.	.....
" 19	"	7665	D. A. Lapierre, Pierreville.	3 "	15	Dun. Flour Mills, Montreal.	.....
" 23	"	7670	Omer Gauthier, St. Hyacinthe.	1½ "	10	West. Canada, Montreal.	.....
" 23	"	7671	J. N. Laplante Co., St. Hyacinthe.	1½ "	10	Lac de Bois, Montreal.	.....
" 23	"	7673	Joseph Lebrun, St. Hyacinthe.	1½ "	10	Ogilvie, Montreal.	.....

DISTRICT OF MONTREAL—

Jan. 24	Bran.	7001	Sinclair Bros., 2 St. Lawrence Market Sq., Montreal	1½ lb.	.....	Lake of the Woods.	.....
" 24	"	7002	Montreal Flour & Grain Co., 873 St. Lawrence Boul., Montreal.	1½ "	5	.....	.....
" 25	"	7003	A. Guertin, 534 Notre Dame W., Montreal.	1½ "	5	E. A. Barry, Montreal.	.....
" 25	"	7004	Jas. Scott & Son, St. James St. W., Montreal.	1½ "	5	Ogilvie F. M. Co., Ltd.	.....
" 29	"	7005	D. Vaillancourt, 1195 St. Lawrence Boul., Montreal	1½ "	10	E. A. Barry, Montreal.	.....
" 29	"	7006	Duluth Coal & Grain Co., 124 Duluth Ave. E., Montreal.	1½ "	5	Dominion F. M., Ltd.	.....
" 29	"	7007	Berger & Co., 19 Roy St., Montreal.	1½ "	5	.....	.....
" 29	"	7008	Bruneau Currie & Cie, Place Youville, Montreal.	1½ "	.....	Ogilvie F. M. Co., Ltd.	.....
Feb. 12	"	7009	W. H. Dwyer Co., Ottawa St., Montreal.	1½ "	.....	Dominion F. M. Co., Ltd.	.....
" 12	"	7010	E. Dulkois & Fils, Wellington St., Montreal.	1½ "	5	.....	.....
" 12	"	7011	W. Lamarre & Cie, Atwater Ave., Montreal.	1½ "	.....	.....	.....

BRAN.

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis.					No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Protein.	Fat.	Fibre.	Moisture.	Vital Weed Seeds, per lb.		

DR. V. P. LAVALLEE, INSPECTOR.

	p. c.	p. c.	p. c.	p. c.			
.....	14.9	5.24	9.8	9.12	None	8009	
.....	15.8	5.87	9.8	9.61	"	8014	
.....	15.0	5.19	9.2	9.25	"	8016	
.....	15.6	5.70	11.0	9.47	"	8023	
.....	14.6	5.20	11.2	8.87	784 Lamb's Quarters, 32 Black Bindweed, 48 <i>Field Pennycress</i> , 16 <i>Hare's-ear Mustard</i> .	8024	Noxious weed seeds in excess. Adul- terated.

E. BLONDIN, INSPECTOR.

	p. c.	p. c.	p. c.	p. c.			
.....	15.1	6.23	10.0	8.81	None	7664	
.....	14.6	5.07	10.0	8.93	16 Black Bindweed, 64 Lamb's Quarters, 16 <i>Sticksseed</i> .	7665	
.....	16.5	5.26	7.9	8.68	None	7670	
.....	13.5	4.90	10.9	8.74	32 Lamb's Quarters	7671	
.....	14.6	5.21	9.6	8.54	64 Lamb's Quarters	7673	

J. J. COSTIGAN, INSPECTOR.

	p. c.	p. c.	p. c.	p. c.			
.....	15.4	5.48	9.8	8.04	16 <i>Field Pennycress</i> , 16 <i>West- ern False Flax</i> .	7001	
.....	15.4	5.91	9.4	8.32	None	7002	
.....	16.6	5.51	7.9	8.52	"	7003	
.....	16.4	6.50	9.4	8.21	224 Black Bindweed, 192 <i>Pen- nycress</i> , 3376 Lamb's Quarters	7004	Noxious weed seeds in excess. Adul- terated.
.....	15.0	5.00	7.8	8.48	80 Black Bindweed	7005	
.....	15.1	5.52	8.2	8.79	None	7006	
.....	14.9	5.68	9.7	8.52	"	7007	
.....	15.9	5.42	8.3	8.26	416 Black Bindweed, 880 Lamb's Quarters, 96 <i>Hare's- ear Mustard</i> , 96 <i>Field Pen- nycress</i> , 16 <i>Wild Mustard</i> , 16 <i>Sticksseed</i> .	7008	Noxious weed seeds in excess. Adul- terated.
.....	15.1	5.56	9.2	8.48	48 Black Bindweed, 16 <i>Wild Mustard</i> , 32 Lamb's Quarters	7009	
.....	15.1	5.58	10.4	8.68	48 Lamb's Quarters, 16 <i>Wild Oats</i> .	7010	
.....	15.1	5.06	9.8	8.32	16 Black Bindweed	7011	

BULLETIN No. 412—

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.	
				Quantity.	Cents.	Manufacturer.	Furnisher.
DISTRICT OF MONTREAL—							
1918							
Feb. 15	Bran.	7012	Peladeau & Duclos, St Paul St. E., Montreal.	1½ lb.	.....	
" 15	"	7013	W. L. Hogg, Notre Dame St. E., Montreal.	1½ "	.....	Ogilvie's.....	
" 15	"	7014	E. Benoit & Fils, St. Paul St. E., Montreal.	1½ "	5	.....
" 18	"	7015	F. Gobeille, 1344 Henri Julian Ave., Montreal.	1½ "	10	Maple Leaf Milling Co.	
" 18	"	7016	" "	1½ "	10	Lake of the Woods M. Co., Ltd.	
DISTRICT OF OTTAWA—							
Jan. 22	Bran.	80530	F. E. Tremblay, Rue du Pont, Hull.	3 lb.	8	Western Canada Mills.	
" 25	"	80544	Major & Kettles, York St., Ottawa.	3 "	10	Lake of the Woods..	
" 25	"	80547	J. J. Ralph, Rideau St., Ottawa.	3 "	10	Maple Leaf M. Co.	
" 29	"	80553	The Renfrew Flour Mills Co., Ottawa.	3 "	10	Vendors.....	
Feb. 8	"	80560	Wm. Borthwick, Cornwall.	3 "	.....	Ogilvie's Ltd., Montreal.	
DISTRICT OF TORONTO—							
Jan. 24	Bran.	81060	Western Can. Flour Mills, 35 Shaftesbury Ave., Toronto.	1½ lb.	5	Vendors.....	
" 25	"	81061	The Alex'r Brown M. Co., Esplanade St., Toronto.	1½ "	5	"	
" 30	"	81062	Cramprey & Kelly, 684 Queen St. E., Toronto.	1½ "	5	Maple Leaf Milling Co., St. Catharines	
" 30	"	81063	Watt Milling Co. Ltd., 363 Rayer Ave., Toronto.	1½ "	10	Toronto Milling Co. Ltd., Toronto.	
" 30	"	81127	Campbell Milling Co. Ltd., West Toronto.	1½ "	10	Vendors.....	
DISTRICT OF HAMILTON—							
Jan. 15	Bran.	81054	W. Pringle & Son, 280 York St., Hamilton	1½ lb.	5	G. Copland & Sons, Midland.	
" 17	"	81055	Wood Muling Co., Market & Park Sts., Hamilton.	1½ "	5	Vendors.....	
" 17	"	81056	J. Penfold, 96 John St. S., Hamilton.	1½ "	5	Kerr Milling Co. Ltd., Dundas.	
" 17	"	81057	Jas. Dunlop & Co. Ltd., John st. S., Hamilton.	1 2 "	5	Lake of the Woods Milling Co., Keewatin.	
" 18	"	81058	A. W. Swazie, 639 Barton St., Hamilton.	2 "	5	Ogilvie F. M. Ltd., Fort William.	
" 18	"	81059	Dunlap Magee Co. Ltd., 991 Barton St., Hamilton.	1½ "	5	S. J. Cherry, Preston	

BRAN.

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis.					No. of Sample.	Remarks, and Opinion of the Chief Analyst.
	Protein.	Fat.	Fibre.	Moisture.	Vital Weed Seeds, per lb.		
<i>Concluded.</i>							
	p. c.	p. c.	p. c.	p. c.			
	14.3	5.23	10.6	8.29	None	7012	
	15.1	5.16	10.5	8.21	"	7013	
	15.9	5.89	11.0	7.95	"	7014	
	15.8	5.56	10.6	8.14	"	7015	
	16.1	5.99	10.9	8.07	"	7016	

J. A. RICKEY, INSPECTOR.

Prot. 14.5, Fat 4, Fibre 11.	13.9	5.33	9.0	9.74	None	80530	
Prot. 14, Fat 3, Fibre 10.	15.6	6.10	10.4	9.16	704 Lamb's Quarters	80554	
Prot. 15.5, Fat 4.5, Fibre 12.	14.9	6.11	10.8	9.82	None	80547	
	13.8	5.94	10.7	9.65	32 Wild Oats, 48 Black Bindweed, 16 Field Pennycress.	80553	Noxious weed seeds in excess. Adulterated.
Prot. 13, Fat 4, Fibre 15, Carbohydrates 50.	13.9	5.54	10.3	9.27	None	80560	

H. J. DAGER, INSPECTOR.

Bran with ground screenings not exceeding mill run.	15.0	4.60	10.9	9.26	None	81060	
	15.1	5.15	9.5	9.35		81061	
Protein 15, Fat 4, Fibre 12.	14.0	4.19	8.0	9.48	48 Chess	81062	
	15.7	6.08	7.9	9.27	None	81063	
	14.1	4.43	9.2	9.53	"	81127	

H. J. DAGER, ACTING INSPECTOR.

	14.8	5.34	10.4	9.27	192 Lamb's Quarters, 96 Black Bindweed, 48 Field Pennycress.	8105	Noxious weed seeds in excess. Adulterated.
	14.8	3.99	9.22	9.39	None	81055	
	14.7	3.73	9.4	9.24	16 Lamb's Quarters, 32 Black Bindweed, 32 Wild Oats, 16 Pennycress, 16 Hare's Ear Mustard.	81056	Noxious weed seeds in excess. Adulterated.
	15.1	5.35	10.4	9.40	208 Lamb's Quarters, 16 Pennycress.	81057	
	14.3	5.04	10.9	9.32	None	81058	
	14.5	5.20	9.5	9.32	"	81059	

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.	
				Quantity.	Cost.	Manufacturer.	Furnisher.

DISTRICT OF WINDSOR—

1918.							
Jan. 22	Bran.	81206	E. Slobaskey & Son, London	1½ lb.	4	.....	Tanton & Son, London.
" 23	"	81211	R. Hookway & Son, "	1½ "	Nil.	Unknown .....	.....
" 23	"	81212	Adams & Tanton, "	1½ "	4	Doxter Milling Co., London.	.....
" 23	"	81213	Jas. Twitchen, "	1½ "	Nil.	Hunt Flour Mills, London.	.....
" 23	"	81214	A. M. Hamilton & Son, "	1½ "	"	Lake of the Woods Milling Co.	.....
" 23	"	81215	Regney Bros., "	1½ "	"	"	.....
" 25	"	81216	G. J. Wakeling, London E.	1½ "	"	Doxter Milling Co., London.	.....
" 25	"	81217	Lee & Talbot, "	1½ "	"	J. Hawkins, Arva....	.....
" 25	"	81218	Harry Coats, London South	1½ "	5	Doxter Milling Co., London.	.....
" 25	"	81219	Wm. McNeill, London West	1½ "	5	Unknown .....	.....
Feb. 13	"	81225	J. D. Soutar, Chatham.....	1½ "	Nil.	West Lorne Milling Co.	.....

DISTRICT OF NORTHERN ONTARIO—

Feb. 11	Bran.	79422	Morin & Freres, Cobalt.	1½ lb.	5	Lake of the Woods Milling Co.	.....
" 11	"	79423	Taylor Pipe, Cobalt.	1½ "	5	Robin Hood Mills, Montreal.	.....
" 13	"	79424	P. D. Boyer, Haileybury. . .	1½ "	3	Western Canada Flour Mills.	.....
" 13	"	79425	"	1½ "	3	Ogilvie F. M. Co., Winnipeg.	.....

DISTRICT OF MANITOBA—

Feb. 6	Bran.	79711	John Dungan, 1633 Portage Ave., Winnipeg.	2½ lb.	10	Ogilvie F. M. Co., Winnipeg.	.....
" 6	"	79712	Carnefac Stock Food, 190 Princess St., Winnipeg.	2 "	Nil.	West. Can. F. M., St. Boniface.	.....
" 12	"	79689	D. W. Willson, 225 Athantic Ave., Winnipeg.	2 "	15	" " "	.....
" 13	"	79713	North End Hay Exchange, 913 Main St., Winnipeg.	2 "	10	Lake of the Woods Milling Co., Winnipeg.	.....
" 13	"	79714	La Maison Collier, 98 Provencher Ave., St. Boniface.	2 "	15	West. Can. F. M., St. Boniface.	.....
" 13	"	79715	Souby & Co., Archibald & Plouget, St. Boniface.	2 "	15	Ogilvie F. M. Co., Winnipeg.	.....
" 14	"	79716	Cacket & Co., St. Charles, Man.	2 "	15	" " "	.....

BRAN.

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis.					No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Protein.	Fat.	Fibre.	Moisture.	Vital Weed Seeds, per lb.		

JOHN TALBOT, INSPECTOR.

	p. c.	p. c.	p. c.	p. c.			
.....	14.9	5.88	9.8	9.48	None.....	81206	
.....	14.1	5.60	10.7	9.62	16 Black Bindweed, 16 Wild Oats, 16 Couch Grass.	81211	
.....	15.6	4.99	11.0	9.40	None.....	81212	
.....	14.9	4.91	8.1	9.55	16 Lamb's Quarters, 16 Hare's- ear Mustard.	81213	
.....	15.1	5.22	9.2	9.48	None.....	81214	
.....	15.6	5.43	9.3	9.57	".....	81215	
.....	14.0	4.82	9.5	9.68	".....	81216	
.....	16.0	4.57	7.5	9.56	".....	81217	
.....	14.0	6.20	7.8	9.56	".....	81218	
.....	15.4	6.29	8.3	9.27	64 Chees, 16 Wild Oats, 144 Black Bindweed, 16 Penny- cress, 16 Wild Mustard.	81219	Noxious weed seeds in excess. Adul- terated.
.....	15.4	5.79	9.5	9.73	None.....	81225	

THOS. ARMSTRONG, INSPECTOR.

.....	14.8	5.45	11.2	9.36	None.....	79422	
.....	14.5	5.65	10.9	9.51	".....	79423	
Bran with ground screenings, not ex- ceeding mill run.	14.5	5.21	10.8	9.06	".....	79424	
.....	14.7	5.62	11.2	9.87	".....	79452	

J. B. COSGROVE, INSPECTOR.

.....	14.65	5.12	9.60	.....	None.....	79711	
.....	15.65	5.66	8.60	.....	432 Lamb's Quarters, 336 Bind- weed, 48 Penny-cress, 16 Wild Mustard, 32 Field Pepper- grass.	79712	Noxious Weed Seeds in excess. Adulterated.
Screenings not ex- ceeding mill run.	15.10	5.52	9.35	.....	128 Bindweed, 192 Lamb's Quarters, 16 Ball Mustard.	79689	
Prot. 14, Fat 3, Fibre 10.	14.99	4.96	9.60	.....	1.2 Lamb's Quarters, 16 Penny- cress.	79713	
Ground since new order.	15.45	5.34	8.85	.....	176 Lamb's Quarters, 64 Stick- weed, 96 Bindweed, 16 Penny- cress, 16 Buttercup.	79714	
.....	15.25	5.08	9.40	.....	None.....	79715	
Ground since new order.	14.65	5.36	8.85	.....	".....	79716	

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.	
				Quantity.	Cents.	Manufacturer.	Furnisher.

DISTRICT OF MANITOBA—

1918.							
Feb. 15	Bran.	79717	Hudson's Bay Co., Winni- peg.	2 lb.	10	Ogilvie F. M. Co., Winnipeg.	.....
" 19	"	79718	J. Gallagher, 178 Redmond St., Elmwood.	2 "	15	Lake of the Woods Milling Co., Por- tage la Prairie.	.....
" 19	"	79719	Corbett Bros., 355 Nain St., Elmwood.	2 "	15	" " "	.....

DISTRICT OF SASKATCHEWAN—

Feb. 11	Bran. ...	83012	Regina Flour & Feed Store, Regina.	1½ lb.	Nil.	Lake of the Woods Milling Co., Medi- cine Hat.	Mfrs.....
" 12	" ...	83013	Union Hay & Feed Co., Regina.	1½ "	"	Capital City F. M., Regina.	"
" 13	"	83018	Ogilvie Milling Co., Regina.	1½ "	"	Vendors.....	.....
" 23	"	83020	Robin Hood Mills Ltd., Moose Jaw.	1½ "	"	" .....	.....
Jan. 28	"	81819	Union Supply Co., North Battleford.	1½ "	10	" .....	.....
Feb. 6	"	81827	J. H. Speers, Saskatoon....	2 "	10	Quaker Oats Co., Saskatoon.	.....
" 8	"	81833	Union Supply Co., Rosthern.	2 "	10	Vendors.....	.....

DISTRICT OF ALBERTA—

Jan. 17	Bran.	52868	Jenkins & Co., East Calgary	1½ lb.	Nil.	Ogilvie F. M. Co., Medicine Hat.	.....
" 17	"	52869	Frizzle's Grocery, East Cal- gary.	1½ "	"	" " "	.....
" 18	"	52870	Wallace Cash Grocery, 714 4th St. E., Calgary.	1½ "	"	Hedley Shaw M. Co., Medicine Hat.	.....
" 18	"	52871	I. M. Lawins, 508 4th St. E., Calgary.	1½ "	"	West. Can. F. M., Calgary.	.....
" 18	"	52872	J. E. Love, 4th Ave. & 4th St. E., Calgary.	1½ "	"	Hedley Shaw M. Co., Medicine Hat.	.....
" 18	"	52873	" " " " " "	1½ "	"	West. Can. F. M., Calgary.	.....
" 21	"	52874	D. B. Anderson, Calgary ...	1½ "	"	" " "	.....
" 21	"	52875	Dominion Feed Co., Calgary	1½ "	"	Ogilvie F. M. Co., Ltd., Medicine Hat.	.....
" 22	"	52876	West End Feed Store, 17th Ave. W., Calgary.	1½ "	"	" " "	.....

BRAN.

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis.					No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Protein.	Fat.	Fibre.	Moisture.	Vital Weed Seeds per lb.		
<i>Concluded.</i>							
	p. c.	p. c.	p. c.	p. c.			
.....	15.00	5.10	9.60	..	None	79717	
Prot. 14, Fat 3, Fibre 10.	14.05	4.68	10.35	.....	48 <i>Pennycress</i> , 96 Buttercup, 16 Chickweed.	79718	Noxious Weed Seeds in excess. Adulterated.
" "	14.80	5.38	9.50	..	160 Lamb's Quarters, 32 <i>Pennycress</i> .	79719	

L. H. HALL AND J. M. DANIS, INSPECTORS.

.....	14.15	5.42	9.30	.....	None	83012	
.....	16.25	5.36	8.40	.....	128 Bindweed, 48 <i>Wild Oats</i> , 80 Lamb's Quarters, 16 <i>Pennycress</i> , 16 Stickweed.	83013	Noxious Weed Seeds in excess. Adulterated.
.....	15.20	5.52	9.90	.....	240 Lamb's Quarters.....	83018	
.....	14.60	5.00	11.45	..	16 Bindweed, 32 <i>Pennycress</i> , 112 Lamb's Quarters.	83020	
.....	17.79	5.94	8.00	.....	None.....	81819	
.....	17.30	5.10	8.60	.....	" .....	81827	
.....	14.32	5.94	9.50	..	"	81833	

A. W. R. MARKLEY, INSPECTOR.

Prot. 15, Fat 4, Fibre 10.	16.35	5.38	9.85	.....	592 Lamb's Quarters.....	52868	
.....	15.70	5.30	10.35	..	32 Lamb's Quarters.....	52869	
Prot. 15.5, Fat 4.5, Fibre 12.	17.20	5.64	9.30	.....	None.....	52870	
Prot. 14.5, Fat 4, Fibre 11. With ground screenings not exceeding mill run.	16.05	6.06	8.80	..	64 Lamb's Quarters.....	52871	
Prot. 15.5, Fat 4.5, Fibre 12.	15.90	6.02	9.50	.....	None.....	52872	
Prot. 14.5, Fat 4, Fibre 11. With ground screenings not exceeding mill run.	16.30	5.94	9.75	.....	48 Lamb's Quarters.....	52873	
" " ..	16.70	5.92	9.35	.....	224 Lamb's Quarters, 16 <i>Pennycress</i> .	52874	
Prot. 15, Fat 4, Fibre 10.	16.15	5.86	10.40	.....	608 Lamb's Quarters, 16 <i>Pennycress</i> .	52875	
.....	16.95	5.34	9.85	..	336 Lamb's Quarters.....	52876	

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.	
				Quantity.	Cents.	Manufacturer.	Furnisher.

DISTRICT OF ALBERTA—

1918.							
"	22 Bran.....	52877	Mission Bridge Feed Store, 2414 4th St. W., Calgary.	1½ lb.	Nil	West. Can. F. M. Co., Calgary.	
"	22 "	52878	" " ..	1½ "	"	Lake of the Woods Milling Co., Medi- cine Hat.	
"	23 "	52879	Robin Hood Mills, Ltd., Calgary.	1½ "	"	Vendors	
"	23 "	52880	Allen & Allen, Sunnyside, Calgary.	1½ "	"	Ogilvie F. M. Co., Ltd., Medicine Hat.	
"	24 "	52881	Crown Feed & Produce Co., 10th Ave. W., Calgary.	1½ "	"	" "	
"	24 "	52882	Wood Bros., Hillhurst, Cal- gary.	1½ "	"	Robin Hood Mills, Ltd., Calgary.	
"	24 "	52883	John Leckie, Hillhurst, Cal- gary.	1 sack	15	" "	
"	25 "	52884	Standard Feed Store, 337 11th Ave. W., Calgary.	1½ lb.	Nil.	Ogilvie F. M. Co., Medicine Hat.	
"	25 "	52885	" " ..	1½ "	"	Robin Hood Mills, Calgary.	
"	25 "	52886	Wilson Overton, 133 16th Ave. W., Calgary.	1½ "	"	West. Can. F. M. Co., Calgary.	
"	25 "	52887	Farmer's Feed & Produce Store, Riverside, Calgary.	1½ "	"	Lake of the Woods Milling Co., Medi- cine Hat.	

DISTRICT OF ROCKY MOUNTAINS—

Jan.	11 Bran.....	68557	Macleod Flouring Mills, Nelson.	1½ lb.	15	Macleod F. M. Mac- leod.	
"	21 "	68558	Taylor M. & E. Co., Nelson.	1½ "	"	Ogilvie F. M. Co., Medicine Hat.	
"	21 "	68559	" " ..	1½ "	"	Quaker Oats Co., Saskatoon.	
"	21 "	68560	The Brackman Ker M. Co., Nelson.	1½ "	"	West Can. F. M. Co., Calgary.	
Feb.	20 "	68570	Salmon Arm Farmer's Ex- change, Salmon Arm.	1½ "	"	Robin Hood Mills, Calgary.	
"	20 "	68571	" " ..	1½ "	"	Lake of the Woods Milling Co., Medi- cine Hat.	
"	20 "	68572	R. J. Glasgow, Salmon Arm	1½ "	"	Hedley Shaw M. Co., Medicine Hat.	

BRAN.

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis.					No. of Sample.	Remarks, and Opinion of the Chief Analyst.
	Protein.	Fat.	Fibre.	Moisture.	Vital Weed Seeds per lb.		

Concluded.

	p. c.	p. c.	p. c.	p. c.		
Prot. 14.5, Fat 4, Fibre 11.	16.05	5.24	9.65	.....	256 Lamb's Quarters, 16 Bind- weed.	52877
Prot. 14, Fat 1, Fibre 10.	16.70	4.84	10.00	.....	None	52878
Prot. 14.3, Fat 4.2, Fibre 12.	15.85	5.38	8.85	.....	"	52879
.....	16.65	5.46	10.40	.....	160 Lamb's Quarters.....	52880
Prot. 15, Fat 4, Fibre 10.	17.40	5.54	10.29	.....	256 Lamb's Quarters, 16 Penny- cress.	52881
Prot. 14.3, Fat 4.2, Fibre 12.	16.75	5.38	8.85	.....	None	52882
.....	15.15	5.54	9.70	.....	"	52883
.....	17.00	5.08	9.60	.....	"	52884
Prot. 14.3, Fat 4.2, Fibre 12.	17.25	5.48	9.40	.....	"	52885
Prot. 14.5, Fat 4, Fibre 11.	16.50	5.60	10.05	.....	224 Lamb's Quarters, 16 Butter- cup.	52886
Prot. 14, Fat 3, Fibre 10.	17.80	5.14	9.55	.....	128 Lamb's Quarters, 16 Penny- cress, 16 <i>Har's-car</i> Mus- tard.	52887

THOS. PARKER, INSPECTOR.

.....	14.97	4.56	8.37	.....	None	68557	
.....	15.81	5.16	9.52	.....	1392 Lamb's Quarters, 768 <i>Tumbling Mustard.</i>	68558	Noxious Weed Seeds in Excess. Adulterated.
.....	16.86	5.04	8.37	.....	16 <i>Wild Oats</i> , 192 Black Bind- weed, 1344 Lamb's Quarters.	68559	
.....	14.34	5.23	10.66	.....	144 Lamb's Quarters.	68560	
.....	14.73	5.63	8.67	.....	None	68570	
.....	14.76	5.67	10.00	.....	2208 Lamb's Quarters, 16 <i>Field Penny-cress.</i>	68571	
.....	14.85	5.05	9.25	.....	None	68572	

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.	
				Quantity.	Cents.	Manufacturer.	Furnisher.

DISTRICT OF VANCOUVER—

1918							
Feb. 18	Bran.....	76001	Grain Growers B.C. Agency, New Westminster.	2 lbs.	Nil	Lake of the Woods Milling Co.	
" 18	"	76002	Main Feed Store, 958 Main St., Vancouver.	2 "	"	Ogilvie F. M. Co.	
" 19	"	76003	Brackman Ker M. Co., Vancouver.	2 "	"	West Canada F. M. Co., Ltd.	
" 20	"	76004	McLellan & McCarter, 1605 6th Ave. W., Vancouver.	2 "	"	Ogilvie F. M. Co.	
" 21	"	76005	Vanc. Milling & Grain Co., Vancouver.	2 "	"	Vendors	
" 21	"	76006	Vernon Feed Co., 1016 Main St., Vancouver.	2 "	"	Ellison M. & E. Co.	
" 22	"	76007	Lake of the Woods Milling Co., Vancouver.	2 "	"	Vendors	

BRAN.

Inspector's Report, (is not an expression of opinion).	Results of Analysis.					No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Protein.	Fat.	Fibre.	Moisture.	Vital Weed Seeds per lb.		

G. G. ARMYTAGE, INSPECTOR.

	p. c.	p. c.	p. c.	p. c.			
.....	15.75	5.15	9.12	.....	48 Lamb's Quarters.....	76001	
.....	14.13	4.66	8.25	.....	None	76002	
.....	15.60	5.74	8.62	.....	1008 Lamb's Quarters..	76003	
.....	15.90	5.28	9.52	.....	864 Lamb's Quarters, 96 <i>Tumbling Mustard</i> .	76004	Noxious Weed Seeds in Excess. Adulterated.
.....	15.45	5.34	9.30	.....	528 Lamb's Quarters, 480 Black Bindweed, 32 <i>Wild Oats</i> , 16 <i>Field Pennycress</i> .	76005	Noxious Weed Seeds in Excess. Adulterated.
.....	14.25	5.06	9.96	.....	192 Black Bindweed, 96 Lamb's Quarters, 16 <i>Field Pennycress</i> .	76006	
.....	14.25	5.02	9.02	.....	8608 Lamb's Quarters, 48 Black Bindweed.	76007	

