
New York Agricultural Experiment Station.

GENEVA, N. Y.

REPORT OF ANALYSES OF SAMPLES OF COMMERCIAL
FERTILIZERS COLLECTED BY THE COMMISSIONER
OF AGRICULTURE DURING 1916.



PUBLISHED BY THE DEPARTMENT OF AGRICULTURE.

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*Connected with Grape Culture Investigations.

REPORT OF ANALYSES OF SAMPLES OF COMMERCIAL FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916.

There are presented in this bulletin the analyses of samples of fertilizers collected by the Commissioner of Agriculture during 1916, and transmitted by him for analysis to the Director of the New York Agricultural Experiment Station, in accordance with the provisions of Article 9 of the Agricultural Law. These analyses and the accompanying information are published by said Director in accordance with the provisions of Section 224 of said Law.

In previous years it has been customary to give figures showing the current values of fertilizer ingredients as a basis for determining the approximate commercial valuation of different brands; but, owing to the serious interference of the war with supplies of fertilizing materials and the consequent increase of cost, it was decided by the experiment stations of New England and the Middle States that it would be impracticable to prepare any schedule of trade-values covering conditions during the past year.

REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Number		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitrogen	Phosphoric acid		Potash
				Available	Total	
AMERICAN AGRICULTURAL CHEMICAL Co., NEW YORK, N. Y. 14% Acid Phosphate Albion	6692	G* F*	— —	14 14.58	15 15.24	— —
16% Acid Phosphate Binghamton	01152	G F	— —	16 15.82	17 16.84	— —
Acid Phosphate 18% Salem	01918	G F	— —	18 17.86	19 18.16	— —
Acme Early Crop Producer L. I. City	01737	G F	4.11 4.56	8 8.30	9 9.10	1 0.64
Acme Long Island Vegetable & Potato Grower Jamaica	01724	G F	3.29 3.28	10 10.54	11 11.60	— —
Ammoniated Fertilizer A Binghamton	01151	G F	0.82 1.05	10 9.91	11 10.55	— —
Ammoniated Fertilizer AAA Malone	5270	G F	2.47 2.56	10 10.53	11 11.75	— —
Ammoniated Fertilizer AAAAA Oneonta	0327	G F	3.29 3.38	10 10.16	11 11.50	— —
Bradley's B. D. Sea Fowl Guano 1916 Penn Yan	0173	G F	0.82 0.92	10 11.40	11 12.20	1 0.85
Bradley's Complete Manure for Potatoes and Vegetables 1916 Elmira	0755	G F	3.29 3.02	9 10.59	10 11.11	1 0.90
Bradley's Eclipse Phosphate 1916 Fairport	0156	G F	1.23 1.60	10 10.47	11 11.87	1 0.90
Bradley's Golden Crop Compound Rome	6746	G F	2.47 2.46	10 10.37	11 11.59	— —
Bradley's New Method Fertilizer 1916 Stittville	6724	G F	0.82 0.89	8 9.27	9 10.73	1 0.66

* These letters indicate, respectively, Guaranteed and Found.

REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN.	Number		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitrogen	Phosphoric acid		Potash
				Available	Total	
AMERICAN AGRICULTURAL CHEMICAL Co., New York, N. Y. (<i>continued</i>) Bradley's Patent Superphosphate 1916 Locke	01253	G* F*	2.06 2.07	8 9.48	9 10.40	1 0.92
Bradley's Potato Manure 1916 Stittville	6723	G F	2.47 2.43	9 10.46	10 10.46	1 0.93
Bradley's Tobacco Manure without Potash Owego	01235	G F	4.53 4.52	3 3.54	4 4.12	— —
Bradley's Truckers Delight Roxbury	01675	G F	3.29 3.30	10 10.98	11 12.14	— —
Bradley's Unicorn 1916 Fairport	0157	G F	1.65 1.57	9 9.66	10 10.90	1 0.98
Clark's Cove King Philip Alkaline Guano 1916 Orchard Park	01052	G F	0.82 0.84	8 8.62	9 10.36	1 0.80
Crocker's Complete Manure 1916 Bergen	01856	G F	0.82 0.86	10 11.27	11 12.11	1 0.96
Crocker's Harvest Jewel Fertilizer 1916 Canastota	01274	G F	1.65 1.64	9 10.40	10 11.72	1 0.92
Crocker's High Grade Special 1916 Bergen	01857	G F	1.65 1.65	10 11.72	11 12.14	1 0.82
Crocker's New Rival Fertilizer 1916 Rome	6744	G F	1.23 1.33	10 10.92	11 11.94	1 0.98
Crocker's Potato, Hop and Tobacco Fertilizer 1916 Castle Creek	01228	G F	2.06 2.21	10 10.28	11 11.42	1 0.94
Crocker's Special Potato Fertilizer 1916 Castle Creek	01227	G F	3.29 3.14	9 9.62	10 10.76	1 0.95

* These letters indicate, respectively, Guaranteed and Found.

REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Number		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitrogen	Phosphoric acid		Potash
				Available	Total	
AMERICAN AGRICULTURAL CHEMICAL CO., New York, N. Y. (<i>continued</i>)						
Crocker's Universal Grain Grower 1916 Rome	6745	G* F*	0.82 0.88	8 8.30	9 9.51	1 0.96
Crocker's Wheat and Corn Fertilizer 1916 Argyle	01911	G F	2.06 2.06	8 9.20	9 10.38	1 0.88
Darling's Pride of Long Island East Quogue	0996	G F	3.29 3.39	10 10.34	11 11.64	— —
East India Corn King 1916 Cortland	01240	G F	2.47 2.64	9 10.38	10 11.42	1 0.84
East India Early Market Bovina Centre	01677	G F	2.47 2.43	10 10.93	11 12.29	— —
East India Economizer Phosphate 1916 Binghamton	01153	G F	0.82 0.93	8 8.88	9 10.54	1 0.86
East India Mayflower 1916 Cortland	01239	G F	1.65 1.78	9 10.02	10 10.70	1 0.95
East India Potato & Garden Manure New Hyde Park	01734	G F	3.39 3.52	9 9.14	10 10.42	1 0.98
East India Unexcelled Fertilizer 1916 Bovina Centre	01676	G F	2.06 2.04	8 9.00	9 10.16	1 0.86
East India Victor Special 1916 Sherburne	01206	G F	3.29 3.50	10 10.34	11 11.72	— —
Fine Ground Bone New York	01701	G F	2.47 2.51	— —	22.88 23.70	— —
Golden Top Dresser Long Island City	01738	G F	8.23 8.34	5 6.08	6 6.88	— —
Great Eastern Dissolved Acid Phosphate Sherburne	01207	G F	— —	14 14	15 14.86	— —

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Number		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitro- gen	Phosphoric acid		Potash
				Avail- able	Total	
AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y. (<i>continued</i>) Great Eastern Early Cabbage Jamaica	01727	G* F*	5.76 6.04	8 7.84	9 9.52	1 0.99
Great Eastern Garden Special 1916 Jamaica	01728	G F	3.29 3.41	9 9.04	10 10.14	1 1.02
Great Eastern General 1916 South Fallsburgh	01670	G F	0.82 0.88	8 9.51	9 11.05	1 0.67
High Grade Ground Bone New York	01702	G F	3.29 3.57	— —	20.59 22.03	— —
Homestead Good Grower Watkins	0449	G F	2.06 2.13	8 10.63	9 11.33	— —
Homestead Good Grower Orchard Park	01053	G F	2.06 2.07	8 7.50	9 9.22	— —
Lazaretto High Grade Truck Manure 1916 West Webster	0180	G F	2.06 2.08	10 11.38	11 11.98	1 1.14
Michigan Carbon Wks. General Crop Fertilizer 1916 Fredonia	6636	G F	0.82 1.06	10 10.82	11 12.14	1 0.95
Michigan Carbon Wks. Homestead Fertilizer 1916 North Collins	01882	G F	2.06 2.09	8 9.10	9 10.64	1 1.04
Michigan Carbon Wks. Homestead Potato & Tobacco Fertilizer Middleport	6650	G F	2.06 2.14	10 10.78	11 11.88	1 1
Milsom's Bison Brand 1916 Mumford	0779	G F	1.65 1.71	10 11.60	11 12.10	1 0.66
Milsom's Corn Fertilizer 1916 North Collins	01881	G F	2.47 2.45	9 10.86	10 11.34	1 0.81

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Num-ber		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitro-gen	Phosphoric acid		Potash
				Avail-able	Total	
AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y. (<i>continued</i>)						
Milsom's Potato and Cabbage Manure 1916		G*	0.82	10	11	1
Albion	6607	F*	0.83	11.56	12.42	0.96
Milsom's Potato, Hop & Tobacco Fertilizer 1916		G	2.06	8	9	3
Andes	01673	F	1.95	7.66	8.80	2.97
Milsom's Soil Enricher 1916		G	1.65	9	10	1
Albion	6609	F	1.71	10.51	11.71	1
Milsom's Special Buffalo Guano		G	.82	8	9	3
Andes	01674	F	.87	8.08	9.38	3
Milsom's Wheat, Oats & Barley Fertilizer 1916		G	.82	8	9	1
Albion	6606	F	.82	9.01	10.81	0.94
North Western Challenge Fertilizer 1916		G	0.82	10	11	1
Oneonta	0329	F	1.04	9.94	11.22	1.02
North Western Complete Compound 1916		G	0.82	8	9	1
Oneonta	0328	F	1.15	9.53	10.49	0.86
North Western Garden Manure 1916		G	3.29	9	10	1
North Norwich	01203	F	3.12	9.74	10.70	0.90
North Western Homestead Fertilizer 1916		G	2.06	8	9	1
Mountaindale	01672	F	2.04	8.84	10.04	1.06
North Western Red Line Fertilizer 1916		G	2.47	9	10	1
North Norwich	01202	F	2.05	10.04	11.04	0.83
North Western Shawnee Phosphate 1916		G	1.65	9	10	1
Watkins	0448	F	1.62	10.15	10.83	0.86

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (continued)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Num- ber		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitro- gen	Phosphoric acid		Potash
				Avail- able	Total	
AMERICAN AGRICULTURAL CHEMICAL CO., New York, N. Y. (continued) Odorless Grass & Lawn Top Dres- sing 1916 Albany	01935	G* F*	3.70 3.72	8 8.95	9 9.51	1 0.61
Pacific Nobsque Guano 1916 Palmyra	0152	G F	0.82 0.84	8 10.78	9 12.26	1 0.98
Packers Union Superior Acid Phos- phate Union	01223	G F	— —	14 14.26	15 15.06	— —
Potomac Complete Manure 1916 New York	P 206	G F	1.65 2.05	9 10.32	10 11.90	1 0.84
Potomac General Crop Compound 1916 New York	P 204	G F	2.47 2.56	9 9.60	10 11	1 1.08
Quinnipiac Ammoniated Dissolved Bone 1916 Stephentown	01933	G F	1.65 1.63	9 10.17	10 11.21	1 1.06
Quinnipiac "B" Fertilizer 1916 Eden Center	01876	G F	1.23 1.37	10 10.44	11 11.86	1 1.04
Quinnipiac Climax Phosphate 1916 Webster	0181	G F	0.82 0.92	8 9.72	9 11.28	1 0.95
Quinnipiac Market Garden Manure 1916 Webster	0182	G F	3.29 3.33	9 10.36	10 10.84	1 0.92
Quinnipiac Mohawk Fertilizer 1916 Stephentown	01932	G F	0.82 0.98	10 11.26	11 12.42	1 0.98
Quinnipiac Potato Phosphate 1916 Webster	0183	G F	2.06 2.02	8 9.78	9 11.16	1 0.88
Read's All Crops Fertilizer 1916 Copenhagen	6867	G F	0.82 1.00	10 10.76	11 12.08	1 1

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Number		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitrogen	Phosphoric acid		Potash
				Available	Total	
AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y. (<i>continued</i>) Read's Corn, Wheat and Rye 1916 Hooper	01167	G* F*	1.65 1.63	9 9.90	10 11	1 0.92
Read's Farm and Garden Manure Verona Station	6747	G F	2.47 2.37	10 10.66	11 12.10	— —
Read's Farmers Friend Superphosphate 1916 Orchard Park	01051	G F	2.06 2.05	8 9.32	9 9.74	1 0.61
Read's Leader Fertilizer Hooper	01166	G F	0.82 0.83	8 8.22	9 9.52	1 1
Read's Pioneer Fertilizer 1916 Copenhagen	6866	G F	1.23 1.22	10 10.64	11 11.60	1 0.94
Read's Top Notch Mixture Manlius	01283	G F	3.29 3.50	10 11.03	11 12.35	— —
Read's Vegetable and Vine Fertilizer 1916 Lowville	6868	G F	2.47 2.45	9 10.15	10 11.07	1 1.18
Special Cabbage & Cauliflower Fertilizer 1916 Orient	0989	G F	4.11 4.05	8 8.52	9 9.08	— —
Special Cabbage & Cauliflower Fertilizer 1916 Bridgehampton	0994	G F	4.11 4.14	8 8.44	9 9.70	— —
Wheeler's Corn Fertilizer 1916 Manlius	01284	G F	1.65 1.77	10 11.06	11 11.84	1 1
Wheeler's High Grade Acid Phosphate Erin	0795	G F	— —	16 15.97	17 16.89	— —
Wheeler's Peerless Acid Phosphate Manlius	01286	G F	— —	14 14.98	15 15.86	— —

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN.	Number		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitrogen	Phosphoric acid		Potash
				Available	Total	
AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y. (<i>concluded</i>) Wheeler's Royal Wheat Grower 1916 Manlius	01285	G* F*	0.82 0.84	8 9.12	9 10.34	1 0.80
Williams & Clark's Americus Potato Manure 1916 Berlin	01930	G F	2.06 2.07	8 9.56	9 10.52	1 0.90
Williams & Clark's Elk Brand 1916 Berlin	01929	G F	0.82 1.26	10 10.56	11 11.70	1 0.90
Williams & Clark's Matchless Fer- tilizer 1916 Hamburg	01871	G F	1.65 1.70	9 9.06	10 10.10	1 0.94
Williams & Clark's Special Prolific Crop Producer South Plymouth	01234	G F	0.82 1.23	8 8.73	9 10.48	1 0.94
Zell's Economizer Phosphate 1916 North Greece	0783	G F	0.82 1.00	8 8.75	9 10.24	1 0.86
AMERICAN FERTILIZING CO., BALTIMORE, MD. 10% Acid Phosphate Batavia	01863	G F	— —	10 10.08	11 11.04	— —
12% Acid Phosphate Batavia	01864	G F	— —	12 12.05	13 13.29	— —
American Ammoniated Phosphate Eden Center	01877	G F	1.05 1.16	10 9.70	11 10.78	— —
American Champion Ammoniated Superphosphate Eagle	6625	G F	1.65 1.74	10 9.77	11 11.07	— —
American Eagle Ammoniated Com- pound Industry	0778	G F	2.47 2.28	10 10.06	11 11.56	— —
American Eagle Crop Grower Pittsford	0769	G F	1.65 1.83	8 8.17	9 9.79	2 2.26

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Number		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitrogen	Phosphoric acid		Potash
				Available	Total	
AMERICAN FERTILIZING CO., BALTIMORE, MD. (<i>continued</i>) American Eagle Special Ammoniated Compound Rushville	0771	G*	1.65	12	13	—
		F*	1.55	12.25	14.21	—
American Fish & Bone Compound Springville	6682	G	1.65	8	9	3
		F	1.75	9.08	10.90	2.82
American Fish & Bone Compound Revised Industry	0777	G	1.65	8.50	9.50	1
		F	1.71	8.89	10.49	0.86
American Fish & Bone Compound Revised Apulia	01288	G	1.65	8.50	9.50	1
		F	1.66	9.04	10.92	0.98
American Fish and Bone Special Rushville	0772	G	1.65	11	12	—
		F	1.80	11.46	12.88	—
American Grain & Grass Ammoniated Phosphate Bemus Point	01899	G	0.82	12	13	—
		F	1.75	14.15	15.55	—
American Grain & Grass Grower Revised Eden Center	01878	G	0.82	9	10	1
		F	0.86	8.44	10.52	1.12
American High Grade Acid Phosphate Sherburne	01205	G	—	16	17	—
		F	—	16.48	17.04	—
American Reliable Guano Dansville	0758	G	0.82	8	9	1
		F	0.93	7.70	9.52	1.24
Ammoniated Bone Compound Naples	0774	G	0.82	8	9	2
		F	1.00	9.28	10.78	1.70
High Grade Acid Phosphate Springville	6683	G	—	14	15	—
		F	—	15	15.52	—
High Grade Acid Phosphate Avoca	0200	G	—	14	15	—
		F	—	15.19	16.29	—

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Number		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitrogen	Phosphoric acid		Potash
				Available	Total	
AMERICAN FERTILIZING CO., BALTIMORE, Md. (<i>concluded</i>) Steamed Bone Eagle	6626	G* F*	— 2.84	— —	— 24.04	— —
ARMOUR FERTILIZER WORKS, BALTIMORE, Md. Armour's 1½-9 Boonville	6851	G F	1.23 1.23	9 9.26	9.50 9.87	— —
Armour's 2-8-1 Homer	01171	G F	1.65 1.48	8 8.29	8.50 9.09	1 0.97
Armour's 2-11 Lockport	6615	G F	1.65 1.80	11 10.90	11.50 11.70	— —
Armour's 2.50-8-1 Bliss	6627	G F	2.06 2.07	8 7.78	8.50 9.42	1 1.24
Armour's 3-8-1 Beacon	01977	G F	2.47 2.53	8 8.02	8.50 8.72	1 0.94
Armour's 4-8 Hempstead	01735	G F	3.29 3.12	8 8.04	8.50 8.84	— —
Armour's 4-10 Lockport	6614	G F	3.29 3.23	10 10.19	10.50 10.94	— —
Armour's 5-4-1 Corning	0754	G F	4.11 3.88	4 5.07	4.50 5.93	1 1.14
Armour's 5-10 Mineola	01739	G F	4.11 4.27	10 10.54	10.50 11.06	— —
Armour's Acid Phosphate Fertilizer Homer	01170	G F	— —	16 16.92	16.50 16.94	— —
Armour's Grain Grower Fertilizer Barneveld	6725	G F	1.65 1.65	8 7.71	8.50 8.19	2 2.00
Armour's Organic Guano Fertilizer Yonkers	01968	G F	2.25 2.20	4.62 5.78	5.50 9.40	— —

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Number		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitrogen	Phosphoric acid		Potash
				Available	Total	
ARMOUR FERTILIZER WORKS, BALTIMORE, MD. (<i>concluded</i>) Armour's Star Phosphate Fertilizer Homer	01169	G* F*	— —	14 13.78	14.50 14	— —
Armour's Wheat, Corn and Oat Special Fertilizer Chateaugay	5272	G F	0.82 0.86	7 7.08	7.50 7.60	1 1.06
Bone Meal Avon	0789	G F	2.47 2.57	— —	22 22.04	— —
Ground Tankage Yonkers	01969	G F	4.93 4.91	— —	13.74 14.90	— —
Nitrate of Soda Pine Island	01991	G F	14.81 15.45	— —	— —	— —
Raw Bone Meal Eden Center	01875	G F	3.70 3.91	— —	21.50 24.20	— —
Raw Bone Meal Yonkers	01970	G F	3.70 3.90	— —	22 24.52	— —
ATLANTIC FERTILIZER WORKS, BALTIMORE, MD. Atlantic One Eight Naught Brand Bridgewater	6738	G F	0.82 0.92	8 7.76	— 8.76	— —
Atlantic Two Ten Naught Brand Bridgewater	6737	G F	1.65 1.87	10 8.50	— 9.70	— —
ATLANTIC PACKING CO., SYRACUSE, N.Y. Atlantic Animal Brand Brocton	6633	G F	2.46 2.65	11 10.81	12 13.50	— —
Atlantic Garden and Truck Manure Brocton	6634	G F	3.28 3.20	11 11.38	12 12.54	— —
Atlantic Grass & Grain Brand for Oats & Buckwheat Lyons Falls	6854	G F	0.82 0.87	11 11.14	12 11.30	— —

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Number		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitrogen	Phosphoric acid		Potash
				Available	Total	
ATLANTIC PACKING CO., SYRACUSE, N. Y. (concluded) Atlantic Ground Bone Brocton	6635	G* F*	2.45 2.93	— —	23 22.73	— —
Atlantic High Grade Potato Brocton	6632	G F	2.87 2.92	10 10.26	11 11	— —
Atlantic Reliable Brand Jordan	01300	G F	1.64 1.93	9 8.88	10 9.70	— —
Atlantic Superior Brand Lyons Falls	6855	G F	1.24 1.35	10 9.86	11 10.06	— —
Atlantic Vegetable Brand for Celery, Cabbage and Potatoes North Norwich	01197	G F	2.05 2.08	11 11.60	12 12.10	— —
BAUGH & SONS CO., PHILADELPHIA, PA. Baugh's 16% Acid Phosphate Binghamton	01154	G F	— —	16 15.83	— 16.09	— —
Baugh's Ammoniated Superphosphate Hammondsport	0753	G F	1.02 1.21	10 10.37	— 11.89	— —
Baugh's Ammoniated Superphosphate Skaneateles	01273	G F	1.03 1.12	10 9.76	— 11.38	— —
Baugh's Animal Base and Potash Compound for all Crops McDougall	01337	G F	1.65 1.81	9 8.30	— 12.10	1 1.18
Baugh's Corn and Oats Fertilizer Troy	5349	G F	1.65 1.81	10 10.44	— 13.18	— —
Baugh's Corn & Oats Fertilizer Ellenville	01655	G F	1.65 1.62	10 10.62	— 12.74	— —
Baugh's Excelsior Guano Westtown	01986	G F	1.02 1.07	10 10.86	— 12.90	1 1.08

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Number		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitrogen	Phosphoric acid		Potash
				Available	Total	
BAUGH & SONS CO., PHILADELPHIA, PA. (<i>continued</i>)						
Baugh's Export Bone with Potash McDougall	01338	G* F*	1.65 2.06	— 8.17	11 12.13	1 0.95
Baugh's Fine Ground Bone Binghamton	01157	G F	2.47 2.97	— —	16.49 16.59	— —
Baugh's General Crop Grower for all Crops Binghamton	01156	G F	0.82 0.84	8 8.08	— 9.64	1 1.10
Baugh's Half & Half Mixture Locke	01254	G F	1.23 1.40	— —	19 19.08	— —
Baugh's High Grade Acid Phosphate Irondequoit	0442	G F	— —	14 14.88	— 15.76	— —
Baugh's High Grade Acid Phosphate Binghamton	01217	G F	— —	14 16.57	— 17.37	— —
Baugh's High Grade Ammoniated Animal Base Trumansburg	01295	G F	3.30 3.16	10 9.96	— 10.52	— —
Baugh's High Grade Ammoniated Animal Base Ellenville	01654	G F	3.30 3.78	10 11.26	— 13.70	— —
Baugh's High Grade Potato Grower Irondequoit	0444	G F	3.30 3.28	8 9.54	— 10.86	1 0.99
Baugh's New Process 10% Guano Hoosick Falls	01928	G F	8.23 7.17	6 6.78	10 7.82	— —
Baugh's Peninsula Grain Producer Benton	0196	G F	0.82 0.92	9 8.16	— 10.82	— —
Baugh's Potato and Truck Special for all truck crops Irondequoit	0445	G F	2.88 2.79	10 10.52	— 11.42	1 1.14

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Num-ber		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitro-gen	Phosphoric acid		Potash
				Avail-able	Total	
BAUGH & SONS Co., PHILADELPHIA, PA. (<i>continued</i>)						
Baugh's Pure Dissolved Animal Bones Williamson	0188	G* F*	2.06 2.08	13 14.16	— 15	— —
Baugh's Pure Dissolved Animal Bones Westtown	01988	G F	2.06 2.23	13 14.16	— 15	— —
Baugh's Pure Steamed Bone Seneca Falls	01304	G F	1.65 1.37	— —	25 28.64	— —
Baugh's Raw Bone Meal Irondequoit	0446	G F	3.70 3.75	— —	21.50 20.52	— —
Baugh's Special Potato Manure Westtown	01987	G F	1.65 1.67	10 11.03	— 12.87	1 1.12
Baugh's The Old Stand-By Dissolved Animal Base Binghamton	01155	G F	1.65 1.90	12 12.53	— 14.61	— —
Baugh's The Old Stand-By Dissolved Animal Base Locke	01255	G F	1.65 1.78	12 11.89	— 14.41	— —
Baugh's Trucker's Favorite Trumansburg	01296	G F	2.47 2.51	10 9.73	— 10.92	— —
Baugh's Trucker's Favorite Ellenville	01656	G F	2.47 2.47	10 10.69	— 13.11	— —
Baugh's Trucker's Favorite Schuylerville	01913	G F	2.47 2.47	10 9.94	— 11.72	— —
Baugh's Trucker's Favorite Monroe	01978	G F	2.47 2.46	10 9.62	— 11.62	— —
Fine Ground Blood Rochester	0199	G F	9.88 8.23	— —	— —	— —
Fine Ground Blood Binghamton	01218	G F	9.87 9.89	— —	— —	— —

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Number		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitrogen	Phosphoric acid		Potash
				Available	Total	
BAUGH & SONS CO., PHILADELPHIA, PA. (concluded) High Grade Tankage Oneida	01281	G* F*	7.40 6.69	— —	4 10.13	— —
Nitrate of Soda Irondequoit	0443	G F	15.23 15.68	— —	— —	— —
Nitrate of Soda Binghamton	01219	G F	15.23 15.34	— —	— —	— —
BERG COMPANY, THE, PHILADELPHIA, PA. Berg's Animal Bone & Meat Ossining	01965	G F	3.30 3.70	— —	17 16.94	— —
Berg's Raw Bone Fine Ossining	01964	G F	3 3.49	— —	22 18.85	— —
BERKSHIRE FERTILIZER CO., BRIDGEPORT, CONN. Berkshire Ammoniated Bone Phosphate Arlington	01981	G F	0.80 1.28	8 8.64	9 9.00	— —
Berkshire Dry Ground Fish Arlington	01982	G F	8.23 8.29	— —	6 6.36	— —
Berkshire Long Island Special Poughkeepsie	01985	G F	3.30 3.53	8 8.92	9 9.04	2 3
Berkshire Market Garden Fertilizer Poughkeepsie	01984	G F	3.30 3.77	8 7.78	9 8.02	— —
Berkshire Potato and Vegetable Phosphate Arlington	01983	G F	1.70 1.81	8 7.50	9 8.14	— —
Berkshire Root Fertilizer Greenlawn	0965	G F	2.50 2.85	8 8.57	9 8.91	— —
Berkshire Root Fertilizer Arlington	01980	G F	2.50 3.30	8 9.95	9 11.27	— —

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Number		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitrogen	Phosphoric acid		Potash
				Available	Total	
BOWKER FERTILIZER Co., NEW YORK, N. Y. Bowker's 16% Acid Phosphate Castile	01869	G* F*	— —	16 15.94	17 16.60	— —
Bowker's All Round Fertilizer 1916 Fort Henry	01910	G F	2.06 2.11	10 10.19	11 11.19	1 0.92
Bowker's Ammoniated Food for Flowers Rochester	0160	G F	2.47 2.52	6 6.46	7 7.50	2 2.59
Bowker's Extra Superphosphate with Ammonia Fairport	0153	G F	1.65 1.77	12 12.10	13 14.30	— —
Bowker's Farm & Garden Phosphate 1916 Bedford Hills	01954	G F	1.65 1.70	10 10.49	11 12.09	1 1
Bowker's Fresh Ground Bone Huntington	0966	G F	2.47 2.48	— —	22.88 25.34	— —
Bowker's Fresh Ground Bone Bedford Hills	01955	G F	2.47 2.48	— —	22.88 25.65	— —
Bowker's Hill and Drill Phosphate 1916 Fulton	6872	G F	2.47 2.46	9 9.64	10 10.54	1 0.72
Bowker's Lawn and Garden Dressing 1916 Rochester	0162	G F	4.11 4.20	8 12.21	9 19.61	1 0.98
Bowker's Potato Phosphate 1916 Hamlin	0780	G F	1.65 1.85	10 10.04	11 11.84	1 0.83
Bowker's Soluble Phosphate Castile	01868	G F	— —	14 14.22	15 15.08	— —
Bowker's Staple Phosphate 1916 Fairport	0155	G F	0.82 0.83	8 10.58	9 12.16	1 0.90

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Number		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitro- gen	Phosphoric acid		Potash
				Avail- able	Total	
BOWKER FERTILIZER CO., NEW YORK, N. Y. (<i>concluded</i>) Bowker's Superphosphate with Ammonia 1% Fairport	0154	G*	0.82	10	11	—
		F*	0.80	9.90	11.28	—
Bowker's Superphosphate with Ammonia 1% Maine	01222	G	0.82	10	11	—
		F	1.00	9.96	11.12	—
Bowker's Superphosphate with Ammonia 2% Attica	6605	G	1.65	10	11	—
		F	1.64	9.97	11.45	—
Bowker's Superphosphate with Ammonia 3% Amsterdam	5325	G	2.47	10	11	—
		F	2.44	9.96	11.28	—
Bowker's Superphosphate with Ammonia 4% Fulton	6874	G	3.29	10	11	—
		F	2.98	10.46	11.42	—
Bowker's Superphosphate with Ammonia 5% Riverhead	0960	G	4.11	8	9	—
		F	3.80	8.34	9.62	—
Bowker's Sure Crop Phosphate 1916 Stillwater	01902	G	0.83	10	11	1
		F	0.95	10.91	12.31	0.93
CARPENTER, JOHN M., ELMIRA, N. Y. Carpenter's Tankage Elmira	0450	G	6.57	—	6.93	—
		F	6.87	—	10.54	—
CASE & CO., INC., A. H., BUFFALO, N. Y. Excelsior Brand Pulverized Pig Manure North Collins	01884	G	1	1	—	1
		F	1.65	1.86	—	1
Excelsior Brand Pulverized Sheep Manure Dunkirk	6601	G	1	0.87	—	1
		F	2.10	1.61	1.77	1.70

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*).

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN.	Number		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitrogen	Phosphoric acid		Potash
				Available	Total	
CENTRAL CHEMICAL CO., THOMAS FERT. WKS., HAGERSTOWN, MD. C C C Dissolved Bone Freeville	01184	G* F*	2.05 2.12	13 11.92	— 14.32	— —
C C C Dissolved Bone Hayt's Corners	01259	G F	2.05 2.10	13 11.96	— 14.62	— —
C C C Dissolved Phosphate Owego	01160	G F	— —	14 14.53	— 14.85	— —
C C C Dissolved Phosphate Nichols	01163	G F	— —	16 16.14	— 16.62	— —
C C C Fish Bone Compound Hayt's Corners	01261	G F	1.25 1.24	10 10.01	— 11.25	— —
C C C Golden Sheaf Penn Yan	0192	G F	0.82 1.10	8 8.28	— 9.44	1 1.12
C C C Planters Mixture Penn Yan	0191	G F	1.65 1.68	10 9.64	— 10.88	1 1.20
C C C Pride of the Valley Owego	01159	G F	0.82 1.00	10 9.89	— 10.69	— —
C C C Special Bone Mixture Kendaia	01256	G F	1.65 1.80	10 9.30	— 11.12	— —
C C C Truck Special Hayt's Corners	01260	G F	2.50 2.46	10 10.04	— 10.98	— —
CHEMICAL PRODUCTS CO., SCRANTON, PA. Special Potash Ash Amenia	01992	G F	— —	— —	3.10 2.79	0.46 0.76
CHITTENDEN CO., THE E. D., BRIDGEPORT, CONN. Chittenden's High Grade Potato without Potash Mattituck	0981	G F	4.12 4.15	10 10	11 12.52	— —

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN.	Number		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitrogen	Phosphoric acid		Potash
				Available	Total	
CHITTENDEN Co., THE E. D., BRIDGEPORT, CONN. (<i>concluded</i>) Chittenden's Potato Special without Potash Mattituck	0980	G*	3.29	10	11	—
		F*	3.27	9.77	11.37	—
Vegetable & Onion Grower without Potash Eastport	0990	G	2.47	10	11	—
		F	2.45	8.07	12.61	—
CLARK & SON, O. W., BUFFALO, N. Y. Clark's Velvet Lawn Fertilizer Buffalo	6644	G	2.47	6	—	1
		F	2.56	8.25	9.07	2.90
Plant Food Buffalo	6643	G	3.50	7	—	6
		F	4.32	8.92	9.30	7.62
COE-MORTIMER Co., THE, NEW YORK, N. Y. E. Frank Coe's Columbian Corn and Potato Fertilizer 1916 Hamilton	01198	G	1.23	10	11	1
		F	1.24	10.08	11.22	0.98
E. Frank Coe's Corn King 1916 Delhi	01678	G	2.06	10	11	1
		F	2.35	10.73	11.55	0.80
E. Frank Coe's Gardeners and Truckers Special 1916 Broadalbin	01936	G	4.11	8	9	—
		F	4.09	8.42	9.76	—
E. Frank Coe's Gold Brand Excelsior Guano 1916 Myers	01329	G	2.47	9	10	1
		F	1.76	10.32	11.44	1
E. Frank Coe's High Grade Ammoniated Superphosphate 1916 Amenia	0498	G	2.47	10	11	—
		F	2.59	10.62	12.06	—
E. Frank Coe's High Grade Soluble Phosphate Batavia	01860	G	—	14	15	—
		F	—	14.16	14.92	—

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Num- ber		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitro- gen	Phosphoric acid		Potash
				Avail- able	Total	
COE-MORTIMER CO., THE, NEW YORK, N. Y. (<i>concluded</i>)						
E. Frank Coe's Morco Top Dresser 1916		G*	8.23	5	6	1
Castle Creek	01220	F*	8.42	5.75	6.42	1.08
E. Frank Coe's Morco Top Dresser without Potash 1916		G	8.23	5	6	—
Claverack	01993	F	9.00	5.95	6.66	—
E. Frank Coe's New Englander Spe- cial 1916		G	0.82	8	9	1
Hamilton	01199	F	0.90	9.58	10.84	1.10
E. Frank Coe's Original Ammoniated Dissolved Phosphate 1916		G	1.65	10	11	—
Batavia	01859	F	1.84	10.08	11.32	—
E. Frank Coe's Prolific Crop Pro- ducer 1916		G	3.29	10	11	—
Hamilton	01201	F	3.32	10.26	11.68	—
E. Frank Coe's 16% Super Phosphate Wyoming		G	—	16	17	—
	01866	F	—	16.52	17.08	—
E. Frank Coe's Universal Fertilizer 1916		G	1.65	9	10	1
McLean	01319	F	1.74	9.87	10.99	0.82
E. Frank Coe's XXV Ammoniated Superphosphate 1916		G	0.82	10	11	—
Batavia	01858	F	1.00	9.61	10.25	—
E. Frank Coe's XXX Fine Ground Bone		G	2.47	—	22.88	—
Hemlock	0792	F	2.52	—	22.90	—
Fine Ground Bone		G	2.47	—	22.88	—
Fillmore	6622	F	2.48	—	25	—
High Grade Dried Blood		G	9.87	—	—	—
Silver Creek	6640	F	9.88	—	—	—

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN.	Number		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitrogen	Phosphoric acid		Potash
				Available	Total	
COLUMBIA GUANO CO., BALTIMORE, MD. Columbia 14% Acid Phosphate Amsterdam	5328	G* F*	— —	14 14.58	14.50 15.66	— —
Columbia High Grade 16% Acid Phosphate Amsterdam	5331	G F	— —	16 16.23	16.50 16.81	— —
Columbia Hornbill Ammoniated Superphosphate Amsterdam	5330	G F	3.29 3.21	8 8.22	8.50 10.42	— —
Columbia Miracle Ammoniated Superphosphate Amsterdam	5329	G F	1.65 1.85	10 11.44	10.50 11.98	— —
Columbia Reflex Ammoniated Superphosphate Port Byron	01297	G F	0.82 0.89	10 10.08	10.50 10.80	— —
Columbia Wheat, Corn & Grass Special Fertilizer Amsterdam	5327	G F	0.82 1.12	8 8.24	8.50 8.94	1 0.91
CONSUMERS CHEMICAL CORPORATION, NEW YORK, N. Y. Consumers High Grade Acid Phosphate Cortland	01186	G F	— —	16 16.32	17 16.52	— —
Consumers Pure-Sure Acid Phosphate Cortland	01185	G F	— —	14 15.09	15 15.33	— —
Consumers Pure-Sure Ammoniated Bone Phosphate Harford	01225	G F	1.65 1.73	10 10.40	11 11.73	— —
Consumers Pure-Sure Corn & Grain Bone Phosphate Cortland	01188	G F	1.65 1.67	12 12.68	13 13.98	— —

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (continued)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Number		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitrogen	Phosphoric acid		Potash
				Available	Total	
CONSUMERS CHEMICAL CORPORATION, NEW YORK, N. Y. (concluded)						
Consumers Pure-Sure Corn & Vegetable (with 1% Potash)		G*	2.47	8	9	1
Cortland	01189	F*	2.64	8.49	9.77	1.45
Consumers Pure-Sure Corn & Vegetable (without Potash)		G	2.47	10	11	—
Cortland	01187	F	1.93	9.76	12.59	—
Consumers XXX Fish & Potash Mixture		G	1.65	8	9	1
Cortland	01190	F	1.82	10.09	11.13	1.08
Consumers Pure-Sure Potato Manure (without Potash)		G	4.12	10	11	—
Harford	01224	F	3.02	9.30	11.16	—
DAY, MRS. R. WHITE, ARLINGTON, N. Y.						
Pure Bone & Meat Fertilizer		G	2.50	—	10	—
Arlington	01976	F	2.40	—	15.68	—
DOLD PACKING CO., JACOB, BUFFALO, N. Y.						
Dold Quality Bone Meal		G	2.47	—	23	—
Saratoga	01906	F	2.90	—	23.27	—
ENTERPRISE GUANO CO., BALTIMORE, Md.						
Enterprise Champion Fertilizer		G	1.65	10	—	—
Weedsport	01303	F	1.67	10.38	11.24	—
Enterprise Eagle Fertilizer		G	0.82	10	—	—
Weedsport	01301	F	0.86	10.06	10.52	—
Enterprise 14 Per Cent Acid Phosphate		G	—	14	—	—
New Berlin	01233	F	—	13.28	13.38	—
Enterprise Superior Acid Phosphate		G	—	16	—	—
New Berlin	01232	F	—	15.05	15.18	—
Enterprise Victor Fertilizer		G	2.47	10	—	—
Weedsport	01302	F	2.50	10.27	11.25	—

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Number	POUNDS IN 100 POUNDS OF FERTILIZER			
		Nitrogen	Phosphoric acid		Potash
			Available	Total	
FEDERAL CHEMICAL CO., INC., COLUMBIA, TENN. Daybreak Tennessee Brown Phosphate Rock Conklin	01208	G*	—	29.75	—
		F*	—	27.42	—
GENESEE REDUCTION CO., ROCHESTER, N. Y. Garbage Tankage Batavia	6680	G	—	—	—
		F	1.81	4.99	0.28
GODFREY CO-OPERATIVE FERT. & CHEMICAL CO., NEWARK, N. J. Godfrey's Early Potato Mixture Revised Hicksville	0951	G	3.29	10	—
		F	3.04	10.36	—
Godfrey's High Grade Market Garden Manure 4-8-1 Revised Hicksville	0953	G	3.29	8	1
		F	3.31	8.05	1
Godfrey's Potato & Truck Mixture Revised Hicksville	0952	G	4.11	10	—
		F	3.82	10.21	—
GRIFFITH & BOYD CO., BALTIMORE, MD. Griffith & Boyd Co's Ammoniated Bone Phosphate Venice Center	01310	G	1.65	8	1
		F	1.65	9.27	0.95
Griffith & Boyd Co's Cereal Plant Food Aurora	01328	G	0.82	8	1
		F	1.09	8.21	0.92
Griffith & Boyd Co's Fish & Bone Mixture Venice Center	01308	G	1.45	7	—
		F	1.61	7.36	—
Griffith & Boyd Co's Fish Bone & Potash Venice Center	01306	G	1.50	7	1
		F	1.68	7.56	1

* These letters indicate, respectively, Guaranteed and Found.

REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Num-ber		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitro-gen	Phosphoric acid		Potash
				Avail-able	Total	
GRIFFITH & BOYD CO., BALTIMORE, MD. <i>(concluded)</i> Griffith & Boyd Co's High Grade Acid Phosphate Venice Center	01309	G* F*	— —	14 15.66	— 15.96	— —
Griffith & Boyd Co's High Grade Acid Phosphate Venice Center	01307	G F	— —	16 15.90	— 16.08	— —
Griffith & Boyd Co's Truckers Manure Substitute Venice Center	01311	G F	2.75 2.80	5 6.82	— 8.54	— —
GUILLE, C. R., FULTON, N. Y. Fertilizer (Fruit Special) Albion	6691	G F	1.07 1.07	0.68 0.31	0.76 0.33	3.11 2.20
HEALTH CHEMICAL CO., YONKERS, N. Y. Westchester Brand Yonkers	01973	G F	0.75 2.80	4.75 4.66	7 5.42	3.75 5.56
HENDERSON & CO., PETER, NEW YORK, N. Y. Henderson's Garden Fertilizer War Special New York	01704	G F	4.12 4.30	6 7.16	8 9.40	1 1.32
Henderson's Raw Bone Meal New York	01706	G F	2.47 4.01	— —	20 21.56	— —
Henderson's Raw Ground Bone New York	01707	G F	2.47 2.46	— —	20 23.76	— —
Henderson's Special Blood & Bone Fertilizer New York	01708	G F	3.29 3.19	— —	17 17.16	— —
Henderson's Superior Fertilizer for House Plants New York	01709	G F	4.50 4.52	— —	10 10.42	2 2.74

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (continued)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Num- ber		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitro- gen	Phosphoric acid		Potash
				Avail- able	Total	
HENDERSON & CO., PETER, NEW YORK, N. Y. (concluded) Henderson's Worm Killing Grass Food New York	01705	G*	2.36	0.40	0.70	1.80
		F*	2.56	0.64	0.70	1.71
The Henderson Lawn Enricher War Special New York	01703	G	2.47	3.50	4.50	1
		F	2.49	4.51	5.87	1.39
HESS & BRO., INC., S. M., PHILADELPHIA, PA. Ammoniated Superphosphate 1916 Jamestown	6302	G	1.65	9	10	1
		F	1.63	9.63	10.97	1.20
Farmers' General Fertilizer 1916 Darien Center	01054	G	0.82	10	11	1
		F	0.82	10.92	12.52	0.94
High Grade Super-Phosphate Hicksville	01746	G	3.29	10	11	—
		F	3.32	11.31	12.69	—
Market Gardener's Manure Hicksville	01745	G	4.11	8	9	—
		F	4.22	9.71	10.11	—
Nitrate of Soda East Williamson	0786	G	15	—	—	—
		F	15.50	—	—	—
Potato Manure 1916 Hicksville	01748	G	2.47	9	10	1
		F	2.65	10.50	11.42	0.82
Reliable Super Phosphate Cortland	01324	G	2.47	10	11	—
		F	2.42	9.10	11.64	—
Special Corn Manure 1916 Jamestown	6604	G	0.82	10	11	1
		F	0.83	11.68	12.41	1.01
Special Fish & Potash Manures 1916 Hicksville	01744	G	2.06	8	9	1
		F	2.30	9.22	10.40	1.77
Special High Grade Acid Phosphate Cortland	01323	G	—	16	17	—
		F	—	15.96	16.92	—
Special Potato Manure 1916 Mineola	01719	G	3.70	8	9	1
		F	3.68	8.64	9.82	1.26

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Number	POUNDS IN 100 POUNDS OF FERTILIZER				
		Nitro-gen	Phosphoric acid		Potash	
			Avail-able	Total		
HESS & BRO., INC., S. M., PHILADELPHIA, PA. (<i>concluded</i>) Standard Super Phosphate Cortland	01322	G*	0.82	10	11	—
		F*	0.95	10.08	11.68	—
Superior Super Phosphate Cortland	01321	G	1.65	10	11	—
		F	1.83	9.17	11.19	—
Top Dressing Manure Hicksville	01747	G	8.23	5	6	—
		F	8.92	5.78	6.46	—
Wheat and Grass Manure 1916 Jamestown	6603	G	0.82	10	11	1
		F	0.92	11.61	12.45	0.95
HUDSON CARBON CO., BALLSTON SPA, N. Y. Davidge's Concentrated Manure Nyack	0491	G	1	—	1	—
		F	1.53	—	8.22	—
Davidge's Special Phosphorus Glens Falls	01905	G	—	—	5	—
		F	—	—	11.37	—
INTERNATIONAL AGR'L CORPORATION, BUFFALO FERTILIZER WORKS, BUFFALO, N. Y. Bone Meal Randolph	6699	G	2.40	—	22	—
		F	2.18	—	24.36	—
Buffalo One Eight Two Springville	6690	G	0.80	8	9	2
		F	1.02	7.82	9.34	1.92
Buffalo One Eight Three Springville	6688	G	0.80	8	9	3
		F	1.00	7.71	8.65	3.01
Buffalo Two Eight Three Springville	6687	G	1.60	8	9	3
		F	1.68	7.85	8.89	3.26
Buffalo Ten Two Springville	6685	G	—	10	11	2
		F	—	10.22	10.52	1.98
Buffalo Twelve Two Springville	6684	G	—	12	13	2
		F	—	12.10	12.40	2.08

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Number		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitro- gen	Phosphoric acid		Potash
				Avail- able	Total	
INTERNATIONAL AGR'L CORPORATION, BUFFALO FERTILIZER WORKS, BUFFALO, N. Y. <i>(continued)</i> Buffalo Ammoniated Phosphate Penn Yan	0166	G* F*	1.20 1.23	12 12.90	13 13.24	— —
Buffalo Bone Meal Penn Yan	0168	G F	2.40 2.75	— —	22 20.15	— —
Buffalo Dissolved Phosphate Altamont	5346	G F	— —	14 14.67	15 14.93	— —
Buffalo Dried Blood Fairport	0785	G F	13.20 11.68	— —	— —	— —
Buffalo Farmers Choice Ogdensburg	5268	G F	0.80 0.87	10 10.22	11 10.82	— —
Buffalo Farmers Choice Springville	6686	G F	0.80 1.04	10 10.64	11 11.60	2 2.14
Buffalo Garbage Tankage Taberg	6742	G F	2.30 2.75	4 2.45	— 3.29	0.75 1.27
Buffalo Garden Truck Frewsburg	01890	G F	3.30 3.19	9 10.39	10 11.23	— —
Buffalo General Favorite Fonda	5333	G F	0.80 0.80	8 8.22	9 8.82	1 0.90
Buffalo High Grade Manure Springville	6689	G F	3.30 2.91	8 8.23	9 9.72	3 3.08
Buffalo Ideal Wheat & Corn Randolph	6700	G F	1.60 1.62	10 10.63	11 11.94	— —
Buffalo Sixteen Per Cent Penn Yan	0165	G F	— —	16 16.20	17 16.40	— —
Buffalo Top Dresser Frewsburg	01891	G F	5.80 4.83	6 6.73	7 7.80	— —
Buffalo Truck and Onion Altamont	5347	G F	2.40 2.42	10 11.62	11 12.28	1 1

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN.	Number		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitrogen	Phosphoric acid		Potash
				Available	Total	
INTERNATIONAL AGR'L CORPORATION, BUFFALO FERTILIZER WORKS, BUFFALO, N. Y. (<i>concluded</i>) Buffalo Vegetable & Potato Taberg	6743	G*	2.50	10	11	—
		F*	2.47	10.70	11.96	—
Nitrate of Soda Jamestown	6647	G	15	—	—	—
		F	15.54	—	—	—
INTERNATIONAL SEED CO., ROCHESTER, N. Y. International Electric Fertilizer Remsen	6722	G	0.82	8	9	1
		F	1.11	9.03	10.51	1.30
International General Phosphate Huntington	0967	G	1.65	10	11	—
		F	1.72	9.84	11.12	—
International Grain & Grass Fertilizer Remsen	6721	G	1.03	9	10	1
		F	1.16	10.90	11.60	0.94
International Potato & Truck Manure Maine	01221	G	1.85	8	9	1
		F	2.00	8.95	9.55	1
JARECKI CHEMICAL CO., THE, SANDUSKY, O. Ammoniated Phosphate Sherman	6628	G	0.82	10	—	—
		F	0.86	10.43	11.93	—
Black Diamond Fish Guano Gasport	6616	G	1.65	8	—	1
		F	1.68	7.89	9.55	1.08
Cereala Gasport	6617	G	1.65	12	—	—
		F	1.63	11.19	13.09	—
C. O. D. Phosphate Hilton	0781	G	—	14	—	—
		F	—	13.40	14.44	—
Fish and Potash Truck Manure South Lima	0791	G	3.30	8	—	1
		F	3.25	8.36	10.06	1.18
Little Giant Newfane	6618	G	0.82	7	—	1
		F	0.83	7.28	8.08	1.21

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Number		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitrogen	Phosphoric acid		Potash
				Available	Total	
JARECKI CHEMICAL CO., THE, SANDUSKY, O. (<i>concluded</i>) Number One Formula Newfane	6619	G* F*	0.82 0.88	9 8.46	— 10.32	1 0.92
Raw Bone and Phosphate Mixture Bergen	01851	G F	1.65 1.59	8 9.49	16 15.41	1 1.20
LAWN & FLOWER FERTILIZER CO., RICHMOND, VA. Odorless Fertilo Nunda	0757	G F	5.35 4.96	6.50 5.59	— 6.32	1.25 1.10
LISTER'S AGRICULTURAL CHEMICAL WORKS, NEWARK, N. J. Ground Untreated Phosphate Rock Red Creek	0796	G F	— —	— —	31.12 29.52	— —
Lister's Atlas Brand Fertilizer 1916 Elmira	0756	G F	4.11 3.83	8 8.55	9 11.27	— —
Lister's Buyer's Choice Acid Phosphate Middleport	6611	G F	— —	14 14.19	15 14.89	— —
Lister's Celebrated Ground Bone & Tankage Acidulated 1916 Altamont	5348	G F	2.67 2.88	— —	12 13.48	— —
Lister's Corn and Potato Fertilizer 1916 Utica	6733	G F	2.06 2.07	8 7.62	9 9.28	1 0.90
Lister's Crescent Ammoniated Superphosphate Utica	6732	G F	1.65 1.70	10 10.15	11 11.89	— —
Lister's Excelsior Guano Utica	6730	G F	2.47 2.55	10 10.57	11 12.99	— —
Lister's G Brand 1916 Riverhead	0978	G F	4.94 5.21	8 7.64	9 9.58	— —

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Number	POUNDS IN 100 POUNDS OF FERTILIZER				
			Nitrogen	Phosphoric acid		Potash
				Available	Total	
LISTER'S AGRICULTURAL CHEMICAL WORKS, NEWARK, N. J. (<i>continued</i>) Lister's High Grade Acid Phosphate Middleport	6612	G* F*	— —	16 15.70	17 16.50	— —
Lister's High Grade Top Dresser Lima	0790	G F	8.23 8.61	5 4.90	6 6.70	1 0.93
Lister's New York Special Fertilizer 1916 Bergen	01854	G F	1.65 1.78	9 9.35	10 10.67	1 1
Lister's Oneida Special 1916 Jamaica	01725	G F	0.82 0.95	8 8.56	9 9.50	1 1.04
Lister's Perfect Potato Manure 1916 Margaretville	01666	G F	3.29 3.41	9 9.12	10 10.28	1 0.99
Lister's Plant Food Utica	6728	G F	0.82 0.84	10 10.17	11 11.31	— —
Lister's Potato and Corn No. 2 Fertilizer 1916 Pulaski	6877	G F	2.06 2.42	10 10.15	11 11.99	1 0.98
Lister's Potato Manure 1916 Huntington	0968	G F	4.11 4.21	8 9.30	9 10.18	1 0.98
Lister's Special Crop Producer 1916 Bergen	01855	G F	0.82 1.00	8 9.10	9 9.80	1 1.10
Lister's Standard Pure Superphosphate of Lime 1916 Seneca Falls	01327	G F	2.47 2.38	9 9.96	10 11.10	1 1.06
Lister's Success Fertilizer Attica	6693	G F	1.23 1.31	9 9.07	10 10.87	2 2.30
Lister's Superior Ammoniated Superphosphate Utica	6729	G F	3.29 3.35	10 9.57	11 11.93	— —
Lister's Valley Brand Fertilizer 1916 Spencerport	0171	G F	0.82 0.94	10 11.01	11 11.99	1 0.97

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Number		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitrogen	Phosphoric acid		Potash
				Available	Total	
LISTER'S AGRICULTURAL CHEMICAL WORKS, NEWARK, N. J. (<i>concluded</i>) Lister's Vegetable Compound 1916 Huntington	0969	G* F*	4.11 4.16	8 8.58	9 9.40	1 1.20
Lister's Wheat and Rye Fertilizer 1916 Pulteney	0794	G F	1.65 1.65	10 10.48	11 11.18	1 1.03
LOWELL FERTILIZER CO., BOSTON, MASS. Acid Phosphate Middle Granville	01921	G F	— —	16 15.81	— 16.15	— —
Lowell Animal Brand Oneonta	0330	G F	2.87 2.83	10 9.82	11 10.56	— —
Lowell Bone Fertilizer Hooper	01168	G F	2.05 2.07	10 10.80	11 11.58	— —
Lowell Corn & Vegetable Groton	01331	G F	4.10 4.08	10 10.66	11 11	— —
Lowell Dissolved Bone Fertilizer Brewerton	01276	G F	1.64 1.71	10 10.22	11 10.66	— —
Lowell Empress Brand Copenhagen	6864	G F	1.25 1.27	10 9.90	11 10.08	— —
Lowell Market Garden Special Grass & Lawn Dressing Waterloo	01305	G F	4.92 4.89	8 8.56	9 9.02	— —
Lowell Potato & Vegetable Basom	01061	G F	4.10 4.09	10 10.25	11 10.75	— —
Lowell Potato & Vegetable McLean	01320	G F	4.10 4.08	10 9.98	11 11.16	— —
Lowell Potato and Vegetable Downsville	01661	G F	4.10 4.26	10 9.68	11 10.74	— —
Lowell Potato Manure Brewerton	01277	G F	2.46 2.56	10 10.08	11 11.36	— —

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (continued)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Number		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitrogen	Phosphoric acid		Potash
				Available	Total	
LOWELL FERTILIZER Co., BOSTON, MASS. (concluded)						
Lowell Potato Phosphate 4-10 Oneonta	0331	G* F*	3.28 3.02	10 9.17	11 9.71	— —
Lowell Sterling Phosphate Copenhagen	6865	G F	0.82 0.88	12 11.92	13 12.08	— —
Lowell Sterling Phosphate Downsville	01660	G F	0.82 0.87	12 11.99	13 12.37	— —
LUDLAM COMPANY, FREDERICK, NEW YORK, N. Y.						
Ludlam's Palmetto Fertilizer 1916 Salem	01917	G F	0.82 0.96	8 8.81	9 10.55	1 0.81
Ludlam's Sickie Fertilizer No. 2 — 1916 Salem	01916	G F	1.65 1.92	10 10.13	11 11.43	— —
Ludlam's Sickie Fertilizer No. 4 — 1916 Aquebogue	0977	G F	3.29 3.36	10 9.80	11 11.14	— —
Ludlam's Sickie Fertilizer No. 5 — 1916 New Hyde Park	01729	G F	4.11 4.20	8 8.20	9 9.38	— —
MCCOY, GEORGE E., PEEKSKILL, N. Y. An Honest Fertilizer Peekskill	0490	G F	5 5.70	— —	16 17.34	— —
MAPES FORMULA & PERUVIAN GUANO Co., THE, NEW YORK, N. Y. Mapes Cereal Brand (War Special) Mt. Kisco	01963	G F	2.47 2.96	6 6.32	8 9.06	— —
Mapes Potato Manure War Brand Mt. Kisco	01962	G F	3.71 3.82	8 9.32	— 10.58	1 1.12
The Mapes Corn Manure War Brand Baldwinsville	01267	G F	2.47 2.53	8 9.24	10 11.40	1 1

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Num- ber		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitro- gen	Phosphoric acid		Potash
				Avail- able	Total	
MAPES FORMULA & PERUVIAN GUANO CO., THE, NEW YORK, N. Y. (<i>concluded</i>) The Mapes General Crop War Special Mt. Kisco	01961	G*	1.65	8	10	—
		F*	2.00	7.68	11.34	—
The Mapes General Special War Brand Irvington	01967	G	5.76	6	8	1
		F	6.21	7.97	9.67	1.45
The Mapes Tobacco Starter Im- proved Baldwinsville	01266	G	4.12	6	8	1
		F	4.39	6.15	9.21	1.23
The Mapes Tobacco Starter Im- proved Owego	01236	G	4.12	6	8	1
		F	4.42	6.57	9.39	1.14
The Mapes Top Dresser Half Strength War Brand Irvington	01966	G	4.94	2.50	4	0.50
		F	4.92	3.38	4.52	1.20
MARTIN FERTILIZER CO., PHILADELPHIA, PA. Acid Phosphate 14% Syracuse	01291	G	—	14	—	—
		F	—	16	16.42	—
Three Eight Syracuse	01292	G	2.46	8	—	—
		F	2.50	9.22	12.82	—
Four Eight Syracuse	01287	G	3.28	8	—	—
		F	3.31	8.70	10.08	—
Four Ten Syracuse	01293	G	3.29	10	—	—
		F	2.96	11.33	12.91	—
MILLER FERTILIZER CO., THE, BALTI- MORE, MD. Ground Bone Olean	6621	G	2.47	—	14.50	—
		F	2.17	—	11.60	—

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Number		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitrogen	Phosphoric acid		Potash
				Available	Total	
MINERAL FERTILIZER CO., THE, CHICAGO, ILL. Nu-Life Fertilizer Rochester	0159	G* F*	— —	— —	15 13.74	— —
NASSAU FERTILIZER CO., NEW YORK, N. Y. Ammoniated Truck Producer Glens Falls	01907	G F	3.29 3.23	10 10.37	11 11.17	— —
Common Sense Fertilizer 1916 Glens Falls	01908	G F	1.65 1.79	10 10.40	11 11.32	— —
High Grade Superphosphate Camden	6741	G F	— —	16 15.86	17 16.54	— —
Old Hickory 1916 Candor	01214	G F	0.82 1.03	10 10.35	11 11.19	— —
Potato Manure 1916 Candor	01215	G F	2.06 2.14	8 8.79	9 10.47	1 1
Soluble Phosphate Candor	01213	G F	— —	14 14.35	15 15.13	— —
NATIONAL FERTILIZER CO., THE, NEW YORK, N. Y. National Complete Root & Grain Fertilizer 1916 Hicksville	01750	G F	3.29 3.31	8 8.18	9 9.50	4 4.27
National Nitrogen Phosphate Mixture No. 5 Hicksville	01749	G F	4.11 4.15	8 8.62	9 9.68	— —
NATIONAL GUANO CO., AURORA, ILL. Pulverized Sheep Manure Jamestown	01892	G F	2.25 2.60	1 1.87	1.25 2.07	1.50 1.59
Sheep's Head Brand Pulverized Sheep Manure Syracuse	01252	G F	2.25 2.52	1 1.23	1.25 1.35	1.50 1.96

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Number	POUNDS IN 100 POUNDS OF FERTILIZER				
		Nitrogen	Phosphoric acid		Potash	
			Avail-able	Total		
NEWBURGH RENDERING CO., NEWBURGH, N. Y. Concentrated Tankage Newburgh	0488	G* 11 F* 11.40	— —	— —	— —	— —
Pure Meat and Bone Fertilizer Newburgh	0489	G 4 F 5.60	— —	16 15.41	— —	— —
NEWHOF & SON, L., ALBANY, N. Y. Pure Fertilizer Albany	5324	G 5 F 5.01	— —	9 11.21	— —	— —
NEW YORK STABLE MANURE CO., JERSEY CITY, N. J. Diamond Brand Dried Ground Compost Freeport	P 207	G 2.06 F 2.62	1.50 2.17	1.79 2.37	— 1.70	— —
NEW YORK STATE GRANGE PURCHASING AGENCY, OLEAN, N. Y. Bone Meal Sanborn	01062	G — F —	— 15.14	— 16.76	— —	— —
Dried Blood Atlanta	0762	G — F 5.49	— —	— —	— —	— —
Nitrate Soda Atlanta	0761	G — F 11.20	— —	— —	— —	— —
Patron's $\frac{1}{2}$ -11- $\frac{1}{2}$ Atlanta	0764	G 0.41 F 0.48	11 11.23	11.50 13.91	0.50 0.27	— —
Patron's 1-8-1 Atlanta	0765	G 0.82 F 1.16	8 9.12	8.50 11.70	1 0.94	— —
Patron's 1-8-1 South Lansing	01191	G 0.82 F 0.81	8 8.63	8.50 11.05	1 0.64	— —
Patron's 1-8-1 Moravia	01315	G 0.82 F 1.01	8 8.70	8.50 11.16	1 0.74	— —
Patron's 2-8-2 Esperance	0323	G 1.64 F 2.07	8 7.77	8.50 9.02	2 1.61	— —

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (continued)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Number		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitrogen	Phosphoric acid		Potash
				Available	Total	
NEW YORK STATE GRANGE PURCHASING AGENCY, OLEAN, N. Y. (continued)						
Patron's 2-8-2 Atlanta	0766	G* F*	1.64 1.41	8 8.27	8.50 10.86	2 1.59
Patron's 2-8-2 South Lansing	01192	G F	1.64 1.62	8 8.88	8.50 11.22	2 1.42
Patron's 2-8-2 Ithaca	01330	G F	1.64 1.46	8 8.26	8.50 10.58	2 1.42
Patron's 2-8-2 Salem	01919	G F	1.64 1.54	8 8.02	8.50 11.06	2 1.27
Patron's 2-9-1.50 New Berlin	01230	G F	1.64 1.52	9 9.98	9.50 11.06	1.50 1.06
Patron's 2-9-1.50 Moravia	01316	G F	1.64 1.51	9 9.13	9.50 11.50	1.50 1.21
Patron's 2-9-1.50 Salem	01920	G F	1.64 1.50	9 9.60	9.50 11.88	1.50 1.15
Patron's 3-8-2 Atlanta	0763	G F	2.46 1.98	8 7.88	8.50 11.62	2 1.28
Patron's 14% Acid Phosphate Esperance	0325	G F	— —	14 14.51	14.50 15.49	— —
Patron's 14% Acid Phosphate Lodi	01334	G F	— —	14 14.16	14.50 14.62	— —
16% Acid Phosphate Esperance	0324	G F	— —	16 15.70	16.30 16.60	— —
16% Acid Phosphate Atlanta	0767	G F	— —	16 14.71	16.50 16.60	— —
16% Acid Phosphate Sanborn	01063	G F	— —	16 15.23	16.50 17.34	— —
Patron's 16% Acid Phosphate New Berlin	01231	G F	— —	16 15.84	16.50 16.40	— —

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Number		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitrogen	Phosphoric acid		Potash
				Available	Total	
NEW YORK STATE GRANGE PURCHASING AGENCY, OLEAN, N. Y. (<i>concluded</i>) Patron's 16% Acid Phosphate Moravia	01314	G*	—	16	16.50	—
		F*	—	14.83	15.23	—
Patron's 16% Acid Phosphate Perry	01867	G	—	16	16.50	—
		F	—	15.31	15.87	—
NITRATE AGENCIES CO., NEW YORK, N. Y. Dried Blood Brooklyn	0998	G	13.16	—	—	—
		F	13.05	—	—	—
Fertilizer mixed by request East Marion	0987	G	—	—	—	—
		F	5.63	11.76	12.86	1.30
Ground Bone Old Northport	P 203	G	2.46	—	22.88	—
		F	2.54	—	22.62	—
Ground Tankage Cutchogue	0983	G	5.75	—	6.86	—
		F	5.77	—	11.08	—
High Grade Acid Phosphate Cutchogue	0986	G	—	16	—	—
		F	—	15.22	15.42	—
High Grade Chemical Fertilizer (Devlin Formula) Brooklyn	01000	G	4.93	8	—	4
		F	6.04	9.76	10.73	3.50
High Grade Genuine Peruvian Guano Southampton	0993	G	10.69	10.	11	2.50
		F	10.69	11.23	12.15	2.65
Nitrate of Soda Cutchogue	0985	G	15	—	—	—
		F	15.59	—	—	—
Pescadore's High Grade Genuine Peruvian Guano Cutchogue	0984	G	11.51	10	13	2.50
		F	11.54	11.42	12.04	2.84
PATAPSCO GUANO CO., BALTIMORE, MD. Coon Brand Guano 1916 Port Leyden	6853	G	0.82	10	11	1
		F	0.95	10.82	11.92	1.02

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (continued)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Number		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitrogen	Phosphoric acid		Potash
				Available	Total	
PATAPSCO GUANO CO., BALTIMORE, MD. (concluded) Grange Mixture 1916 North Norwich	01195	G* F*	1.65 1.82	9 9.89	10 11.16	1 0.82
Patapsco Ammoniated Compound Bridgewater	6734	G F	0.82 0.90	10 10.76	11 11.78	— —
Patapsco Columbian Guano for Truck Potatoes & Tobacco 1916 North Norwich	01196	G F	2.47 2.50	9 10.12	10 10.78	1 0.86
Patapsco Corn and Tomato Fertilizer 1916 Lyons Falls	6856	G F	1.23 1.38	10 10.38	11 11.42	1 1.06
Patapsco Golden Crop Fertilizer 1916 Bridgewater	6735	G F	1.65 1.70	10 10.59	11 12.03	— —
Patapsco Golden Crop Fertilizer 1916 South New Berlin	01161	G F	1.65 1.69	10 10.54	11 11.80	— —
Patapsco High Grade Acid Phosphate Bridgewater	6736	G F	— —	16 16.28	17 16.94	— —
Patapsco Money Maker 1916 Oxford	01193	G F	0.82 0.94	8 8.69	9 9.87	1 1.03
Patapsco Pure Dissolved S. C. Phosphate Port Leyden	6852	G F	— —	14 14.10	15 14.94	— —
Patapsco Special Potato Manure 1916 South New Berlin	01162	G F	1.65 1.68	10 11.26	11 11.92	1 0.80
PIEDMONT-MT. AIRY GUANO CO., BALTIMORE, MD. Levering's Excelsior Darien	01056	G F	0.82 0.84	8 8.30	— 8.90	1 1.02

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (continued)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Number		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitrogen	Phosphoric acid		Potash
				Available	Total	
Piedmont-Mt. Airy Guano Co., Baltimore, Md. (concluded) Levering's Excelsior Skaneateles	01298	G* F*	0.82 0.95	8 8.21	— 8.74	1 1.01
Nitrate of Soda North Rose	0798	G F	15.73 15.74	— —	— —	— —
Piedmont Blue Ribbon Fertilizer Darlen	01055	G F	2.47 2.33	10 10.02	— 10.72	— —
Piedmont 12 Per Cent Acid Phosphate Skaneateles	01299	G F	— —	12 12.18	— 12.38	— —
Piedmont 14 Per Cent Acid Phosphate Byron	01861	G F	— —	14 14.98	— 15.08	— —
Piedmont 16 Per Cent Acid Phosphate Darlen	01057	G F	— —	16 16.27	— 16.42	— —
Piedmont Special Crop Grower Brewerton	01279	G F	0.82 0.84	10 10.44	— 10.92	— —
Piedmont Utility Fertilizer Brewerton	01278	G F	1.65 1.66	10 10.20	— 10.86	— —
PINE & SON, B. J., EAST WILLISTON, N. Y. Pine's No. 2 Star Raw Bone Superphosphate Revised New Hyde Park	01733	G F	2.06 2.20	8 8.28	9 10.08	1 0.86
PULVERIZED MANURE CO., THE, CHICAGO, ILL. Wizard Brand Manure Rochester	0158	G F	1.80 2.00	1 1.24	— —	1 2.74
RASIN MONUMENTAL CO., BALTIMORE, Md. Nitrate of Soda Fruitland	0787	G F	14.82 15.16	— —	— —	— —

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Number		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitrogen	Phosphoric acid		Potash
				Available	Total	
RASIN MONUMENTAL CO., BALTIMORE, Md. (<i>continued</i>)						
Rasin's 12% Acid Phosphate		G*	—	12	13	—
Merrifield	01326	F*	—	12.16	13.38	—
Rasin's Acid Phosphate		G	—	14	15	—
Amsterdam	5338	F	—	15.22	16.08	—
Rasin's Sixteen Per Cent Acid Phosphate		G	—	16	17	—
Amsterdam	5337	F	—	16.70	17.52	—
Rasin's Capital Crop Compound		G	0.82	9	10	1
Revised		F	0.88	10.08	11.94	0.97
Oran	01282					
Rasin's Emergency Royal Fish Bone & Potash		G	1.65	8.50	9.50	1
Cohocton	0752	F	1.70	9.27	11.31	1.05
Rasin's Empire Ammoniated		G	2.47	10	11	—
Super-phosphate		F	2.58	9.47	10.97	—
Collins	01886					
Rasin's Empire Guano		G	1.65	8	9	2
Amsterdam	5339	F	1.67	9.16	10.34	1.65
Rasin's Empire Guano Special Re-		G	2.47	8	9	2
vised		F	2.26	7.66	8.64	2.42
Fulton	6871					
Rasin's Grain & Grass Ammoniated		G	0.82	12	13	—
Superphosphate		F	0.96	12.79	13.74	—
Cohocton	0751					
Rasin's Matchless Ammoniated		G	1.65	12	13	—
Phosphate		F	1.74	12.92	14.42	—
Amsterdam	5341					
Rasin's Potato & Vegetable Ammoni-		G	3.29	8	9	—
ated Super Phosphate		F	3.65	7.34	9.97	—
Wolcott	0797					

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Number		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitrogen	Phosphoric acid		Potash
				Available	Total	
RASIN MONUMENTAL CO., BALTIMORE, MD. (<i>concluded</i>) Rasin's Sea Wall Special Voorheesville	5343	G* F*	— —	10 11.33	11 12.39	— —
Rasin's Special Crop Preparation Amsterdam	5340	G F	1.65 1.77	10 10.26	11 11.36	— —
Rasin' Special Fish & Bone Guano Merrifield	01325	G F	1.65 1.68	11 11.28	12 12.80	— —
Rasin's Truck Ammoniated Super Phosphate Fairport	0784	G F	4.12 4.04	8 8.80	9 9.60	— —
Rasin's United Grain Ammoniated Superphosphate Voorheesville	5344	G F	1.03 1.13	10 10.01	11 11.05	— —
William Penn Crop Grower Voorheesville	5345	G F	0.82 0.93	8 8.27	9 9.91	1 1.28
READING BONE FERTILIZER CO., READING, PA. Animal Tankage Mixture Hamburg	01873	G F	1.64 1.82	14 13.59	15 16.76	— —
Dissolved Animal Matter Hamburg	01872	G F	0.82 1.03	10 11.14	11 12.38	— —
Reading All Crop Special Hamburg	01874	G F	1.64 1.77	10 9.15	11 11.16	— —
Reading's Soil Enricher Hoosick Falls	01927	G F	2.46 2.50	12 10.86	13 13.16	— —
ROGERS & HUBBARD CO., THE, PORTLAND, CONN. Hubbard Bone Base Oats & Top Dressing Berlin	01931	G F	6 6.36	6 7.74	12 14.68	— —

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Num- ber		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitro- gen	Phosphoric acid		Potash
				Avail- able	Total	
ROGERS & HUBBARD Co., THE, PORT- LAND, CONN. (<i>concluded</i>) Hubbard Bone Base Soluble Corn and General Crop Manure Granville	01922	G*	2.50	10	12	—
		F*	2.60	8.61	13.27	—
Rogers & Hubbard Complete Phos- phate Granville	01923	G	—	—	—	—
		F	1.22	8.67	11.43	—
F. S. ROYSTER GUANO Co., BALTIMORE, MD. Nitrate of Soda Williamson	0190	G	15	—	—	—
		F	15.56	—	—	—
Royster's Cuckoo Crop Grower Poland	6718	G	0.82	8	8.50	1
		F	1.14	8.28	9.06	1.06
Royster's Curfew Ammoniated Superphosphate Fultonville	5334	G	3.29	8	8.50	—
		F	3.05	8.38	10.52	—
Royster's Defender Fertilizer Delhi	01671	G	3.29	8	8.50	1
		F	2.76	8.51	9.71	1.03
Royster's Dreadnought Fertilizer Ontario	0187	G	1.65	8	8.50	2
		F	1.71	7.88	8.72	2.34
Royster's Drillwell Phosphate Hannibal	6876	G	2.47	8	8.50	1
		F	2.75	7.66	9.14	1.10
Royster's Fine Ground Bone Meal Interlaken	01294	G	2.47	—	22.90	—
		F	2.82	—	22.26	—
Royster's Flamingo Ammoniated Superphosphate Gage	0174	G	2.06	12	12.50	—
		F	2.17	12.18	13.88	—
Royster's 14% Acid Phosphate Fultonville	5336	G	—	14	14.50	—
		F	—	14.09	15.27	—
Royster's Good Will Ammoniated Superphosphate New Hyde Park	01730	G	4.11	8	8.50	—
		F	4.28	8.25	10.61	—

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Number		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitrogen	Phosphoric acid		Potash
				Available	Total	
F. S. ROYSTER GUANO CO., BALTIMORE, Md. (<i>concluded</i>) Royster's High Grade 16% Acid Phosphate Fultonville	5335	G*	—	16	16.50	—
		F*	—	16.61	17.07	—
Royster's Innovation Ammoniated Superphosphate Phoenix	6875	G	2.47	8	8.50	—
		F	2.46	8.52	10.06	—
Royster's Logical Compound Crogan	6858	G	1.65	8	8.50	1
		F	1.64	7.93	8.99	1.01
Royster's Old Faithful Phosphate Webster	0185	G	2.06	8	8.50	1
		F	2.11	7.66	9.60	1.04
Royster's Penguin Ammoniated Superphosphate Poland	6720	G	1.65	10	10.50	—
		F	1.68	10.42	12.22	—
Royster's Royal Blue Ammoniated Superphosphate Poland	6719	G	0.82	10	10.50	—
		F	0.94	10.55	12.19	—
SANDER, ADAM, SALAMANCA, N. Y. Dry Tankage Fertilizer Salamanca	6620	G	5.38	6	15.40	—
		F	6.87	7.80	12.20	—
SANDERSON FERTILIZER & CHEMICAL CO., NEW HAVEN, CONN. Sanderson's Cabbage Fertilizer 1916 Jamaica	01723	G	4.11	8	9	1
		F	4.15	9.09	10.63	1.20
Sanderson's Special Potato Manure 1916 Jamaica	01722	G	3.25	9	10	1
		F	3.27	9.58	11.26	1.68
SCHAAL-SHELDON FERTILIZER CO., BUFFALO, N. Y. Ammoniated Superphosphate No. 1 Randolph	01894	G	0.82	10	11	—
		F	0.94	10.26	11.92	—
Ammoniated Superphosphate No. 2 Randolph	01893	G	1.65	10	11	—
		F	1.77	9.94	11.78	—

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (continued)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Number		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitrogen	Phosphoric acid		Potash
				Available	Total	
SCHAAL-SHELDON FERTILIZER Co., BUFFALO, N. Y. (concluded)						
Ammoniated Superphosphate No. 3 Warsaw	6695	G* F*	2.47 2.46	10 9.65	11 11.62	— —
Ammoniated Superphosphate No. 4 Warsaw	6696	G F	3.29 3.10	10 10.47	11 11.45	— —
Dissolved Phosphate Pavilion	01059	G F	— —	14 14.02	15 15.02	— —
Fine Ground Bone Freedom	6624	G F	2.47 2.74	— —	22.88 23.30	— —
High Grade Dried Blood Eden Center	01880	G F	9.87 9.70	— —	— —	— —
Soluble Phosphate Warsaw	6694	G F	— —	16 16.23	17 16.92	— —
SCHOEMAKER & Co., LTD., M. L., PHILADELPHIA, PA.						
Swift-Sure Bone Meal Southampton	0995	G F	4.53 5.18	— —	20 22.72	— —
SOUTH SHORE GROWERS & SHIPPERS ASS'N, SILVER CREEK, N. Y.						
South Shore Growers Mixture No. 1 Silver Creek	6637	G F	3.10 3.22	8 8.16	9 9.16	0.25 0.46
South Shore Growers Mixture No. 2 Irving	6641	G F	1.85 1.30	8 9.74	9 10.94	0.25 0.66
South Shore Growers Mixture No. 3 Silver Creek	6638	G F	1.03 1.19	9 10.38	10 11.66	0.25 0.54
STAPPENBECK & SONS, H., UTICA, N. Y.						
Animal Bone Whitesboro	6727	G F	2.50 2.98	8 12.99	15 18.47	— —
Animal Tankage Rochester	0172	G F	7 7.73	— —	9 7.90	— —

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Number		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitro- gen	Phosphoric acid		Potash
				Avail- able	Total	
STONEMEAL FERTILIZER Co., NORTH PATTERSON, N. J. Stonemeal Ransomville	6649	G* F*	— —	— —	10.12 3.38	10.42 trace
STUMPP & WALTER Co., NEW YORK, N. Y. Emerald Lawn Dressing & General Garden Fertilizer New York	01717	G F	3 3.05	5.00 6.12	6.00 6.56	1 1
S & W Co's Bone Fertilizer New York	01718	G F	3 3.50	— —	20 19.90	— —
SWIFT & COMPANY, BALTIMORE, MD. Riverhead Town Agr'l Society Fertil- izer 1916 Formula No. 2 Riverhead	0975	G F	4.94 4.93	8 7.20	— 8.87	— —
Riverhead Town Agr'l Society Fertil- izer 1916 Formula No. 4 Riverhead	0976	G F	3.29 2.56	8 7.10	— 7.38	— —
Swift's Pulverized Sheep Manure Amsterdam	5332	G F	1.65 1.94	— —	1 2.02	1.50 .2.59
Swift's Pure Ammoniated Bone Phosphate Clyde	0179	G F	0.82 0.84	10 10.52	10.50 11.04	— —
Swift's Pure Ammoniated Bone Phosphate & Potash Frewsburg	01888	G F	1.65 1.69	10 10.42	11 11.94	0.50 0.54
Swift's Pure Bone Meal Williamson	0189	G F	2.47 2.44	— —	24 23.86	— —
Swift's Pure Corn and Wheat Grower Chatham	0494	G F	1.65 1.81	10 11.88	— 13.48	2 1.94
Swift's Pure Corn Grower Chatham	0495	G F	1.65 1.88	10 9.50	— 10.70	1 1.38

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Num- ber		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitro- gen	Phosphoric acid		Potash
				Avail- able	Total	
SWIFT & COMPANY, BALTIMORE, MD. <i>(continued)</i>						
Swift's Pure Diamond A Potato Fertilizer Salamanca	01895	G* F*	2.47 2.43	8 8.34	9 9.86	1 0.96
Swift's Pure Diamond B Fertilizer Ellenville	01651	G F	1.65 2.00	8 9.80	8 10.36	— —
Swift's Pure Diamond C Grain Fertilizer Ellenville	01653	G F	0.82 0.81	8 7.50	— 8.38	— —
Swift's Pure Diamond K Grain Grower Eden Center	01879	G F	0.82 0.84	12 11.99	12.50 12.63	1 1.06
Swift's Pure Farmers Favorite Fertilizer Chatham	0497	G F	1.65 1.87	9 9.32	— 10.50	1 1.26
Swift's Pure Garden & Truck Fertil- izer Kennedy	6631	G F	3.29 3.36	8 8.10	9 9.86	1 0.69
Swift's Pure Garden City Phosphate Fulton	6870	G F	— —	14 14.54	— 15.52	— —
Swift's Pure High Grade Acid Phos- phate Cortland	01180	G F	— —	16 15.88	— 17.02	— —
Swift's Pure Long Island Favorite Mineola	01741	G F	4.11 4.16	10 10.36	— 11.22	— —
Swift's Pure Pulverized Sheep Manure Delhi	6210	G F	2.06 1.80	— —	1.50 1.58	1.50 2.43
Swift's Pure Pulverized Sheep Manure Delhi	6211	G F	1.65 2.32	— —	1 1.84	1.50 2.94

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Number		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitrogen	Phosphoric acid		Potash
				Available	Total	
SWIFT & COMPANY, BALTIMORE, MD. (<i>continued</i>) Swift's Pure Red Steer Cortland	01178	G* F*	1.65 1.75	8 7.84	— 8.92	— —
Swift's Pure Reliable Grain Fertilizer Cortland	01179	G F	0.82 1.02	8 7.67	— 8.64	1 1.13
Swift's Pure Soluble Phosphate Cambridge	01925	G F	— —	12 11.69	— 12.47	— —
Swift's Pure Special Baltimore Formula Tully	01289	G F	3.29 2.98	10 9.90	— 11.34	— —
Swift's Pure Special Corn Grower Cortland	01174	G F	1.65 1.88	10 9.33	— 10.55	— —
Swift's Pure Special Diamond A Candor	01216	G F	2.47 2.98	8 7.15	— 8.02	— —
Swift's Pure Special Formula A Cortland	01173	G F	3.29 3.31	8 7.51	— 8.03	— —
Swift's Pure Special Formula A Tully	01290	G F	3.29 3.42	8 9.59	— 10.53	— —
Swift's Pure Special Formula A Mineola	01742	G F	3.29 3.23	8 8.60	— 9.10	— —
Swift's Pure Special Formula C Benton	0198	G F	1.65 1.69	12 10.73	— 11.77	— —
Swift's Pure Special Formula D Cortland	01176	G F	0.82 0.85	9 8.36	— 9.10	— —
Swift's Pure Special Grain Grower Cambridge	01924	G F	1.65 1.55	12 11.96	— 13.16	1 0.80
Swift's Pure Special Harrison For- mula Fertilizer Albany	01934	G F	3.29 3.88	10 9.54	— 10.92	— —

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Num- ber		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitro- gen	Phosphoric acid		Potash
				Avail- able	Total	
SWIFT & COMPANY, BALTIMORE, MD. (concluded)						
Swift's Pure Special Long Island Fertilizer		G*	4.94	8	—	—
Old Northport	P202	F*	4.74	8	9.12	—
Swift's Pure Spécial Pride of Jersey Poughkeepsie	01974	G	4.11	8	—	—
		F	4.14	6.58	9.03	—
Swift's Pure Superphosphate Webster	0184	G	1.65	8	9	2
		F	1.64	8.18	9.54	2
Swift's Pure Top Dressing Formula No. 1		G	5.76	8	—	—
White Plains	01972	F	5.30	9.03	9.71	—
Swift's Pure Truck & Potato Fer- tilizer		G	3.29	8	—	—
White Plains	01971	F	3.56	8.71	9.51	—
Swift's Pure Truck & Vegetable Cortland	01175	G	1.65	8	—	1
		F	1.65	8.14	8.92	0.97
Swift's Tankage Arkport	0760	G	8.23	—	—	—
		F	8.32	—	—	—
SYRACUSE RENDERING CO., SYRACUSE, N. Y.						
Syracuse Animal Brand A Fertilizer for All Crops		G	2.46	11	12	—
Clyde	0177	F	2.86	11.26	12.02	—
Syracuse Bone Meal Syracuse	01251	G	3.28	5	23	—
		F	3.40	11.04	21.56	—
Syracuse 4-8-1 Syracuse	01262	G	3.28	8	9	1
		F	3.25	9.06	9.56	1.02
Syracuse Ground Bone Syracuse	01265	G	2.46	—	23	—
		F	2.54	—	23.18	—
Syracuse High Grade Acid Phosphate Groton	01317	G	—	16	16.50	—
		F	—	16.62	16.76	—

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Number		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitrogen	Phosphoric acid		Potash
				Available	Total	
SYRACUSE RENDERING CO., SYRACUSE, N. Y. (<i>concluded</i>) Syracuse Indian Brand for Corn and Wheat Waterville	6739	G*	2.05	10	11	—
		F*	2.03	9.79	11.73	—
Syracuse Market Garden Manure Clyde	0176	G	3.28	11	12	—
		F	3.41	11.36	12.62	—
Syracuse Onondaga Brand Syracuse	01264	G	1.24	10	11	—
		F	1.43	10.39	10.96	—
Syracuse Onondaga Brand Containing 9% Available Phos. Acid North Greece	0782	G	1.24	9	10	—
		F	1.45	8.73	10.25	—
Syracuse Potato Manure for Potatoes & Celery Owego	01212	G	2.87	10	11	—
		F	2.90	10.76	11.42	—
Syracuse Seneca Brand Syracuse	01263	G	1.64	9	10	—
		F	1.74	10.22	11.20	—
Syracuse Special for Cabbage, Onions and Potatoes Syracuse	01272	G	2.05	11	12	—
		F	2.15	11.89	12.31	—
Syracuse Superphosphate for Oats & Buckwheat Waterville	6740	G	0.82	11	12	—
		F	0.94	11.74	12.04	—
Syracuse Vegetable Grower Clyde	0178	G	4.10	10	11	—
		F	4.12	10.58	10.92	—
TENNESSEE COAL, IRON & R. R. Co., BIRMINGHAM, ALA. Duplex Basic Phosphate A A Brooklyn	0999	G	—	—	18	—
		F	—	—	18.48	—
THOMAS & SON Co., I. P., PHILADELPHIA, PA. Fish Guano Yaphank	0970	G	4.10	10	10.50	—
		F	3.45	10.59	12.03	—

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Number		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitrogen	Phosphoric acid		Potash
				Available	Total	
THOMAS & SON CO., I. P., PHILADELPHIA, PA. (<i>concluded</i>). Long Island Special Hicksville	01743	G*	3.25	10	10.50	—
		F*	3.31	10.96	12.60	—
Tip-Top Fertilizer Westhampton Beach	0992	G	2.45	8	8.50	1
		F	2.90	9.45	10.97	1.39
Truckers High Grade Manure Westhampton Beach	0991	G	3.25	8	8.50	1
		F	3.12	8.57	9.87	1.06
THOMSON & SONS, LTD., WM., CLOVENFORDS, SCOTLAND Genuine Scotch Soot New York	01714	G	4	—	—	—
		F	3.69	—	—	—
Thomson's Special Chrysanthemum Manure New York	01716	G	4.25	7	10.50	1.50
		F	4.84	12.98	13.20	1.92
Thomson's Vine, Plant and Vegetable Manure New York	01715	G	3.25	8	11.50	1.50
		F	3.85	10.06	12.44	3.56
THORBURN & CO., J. M., NEW YORK, N. Y. Thorburn's Complete Manure New York	0957	G	1.65	9	10	1
		F	1.67	10	11.16	0.88
Thorburn's Lawn Fertilizer New York	0956	G	4.11	8	9	1
		F	4.13	8.51	9.73	1.26
Thorburn's Potato Manure New York	0958	G	3.29	9	10	1
		F	3.22	9.97	10.79	0.99
TUNNELL & CO., INC., F. W., PHILADELPHIA, PA. Acid Fish and Tankage Good Ground	0997	G	4.12	—	6	—
		F	3.31	—	6.81	—
F. W. Tunnell & Co.'s American Trucker Riverhead	0962	G	4.94	8	9	—
		F	4.56	9.14	11.14	—

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Number		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitrogen	Phosphoric acid		Potash
				Available	Total	
TUNNELL & Co., INC., F. W., PHILADELPHIA, PA. (<i>concluded</i>)		G*	8.25	4	5	—
F. W. Tunnell & Co.'s 1916 10% Guano Riverhead	0963	F*	7.18	5.94	6.68	—
1916 Lightning Guano Hicksville	0954	G	4.12	8	9	—
		F	3.86	9.06	10.50	—
Long Island Trucker Riverhead	0961	G	4.12	10	11	—
		F	3.79	8.43	10.64	—
No. 1 Potato & Truck Manure 1916 Hicksville	0955	G	3.30	10	11	—
		F	3.42	10.12	11.98	—
TUSCARORA FERTILIZER Co., BALTIMORE, MD.						
Tuscarora 2-11-0 Apulia	01241	G	1.65	11	11.50	—
		F	1.77	11.19	12.00	—
UNITED FERTILIZER Co., CHICAGO, ILL.						
Evergreen Brand Flower and Lawn Fertilizer Buffalo	6642	G	8	14.50	—	15
		F	8.14	15.75	16.77	16.05
VAN IDERSTINE Co., THE, LONG ISLAND CITY, N. Y.						
Van Iderstine's Pure Ground Bone L. I. City	01736	G	2	—	27	—
		F	2.05	—	26.87	—
VAUGHAN SEED STORE, NEW YORK, N. Y.						
Ichthemic Guano Ardsley	01721	G	—	—	—	—
		F	3.60	7.10	7.52	1.20
Vaughan's Bone Flour New York	01713	G	3.70	—	22	—
		F	4.39	—	24.91	—
Vaughan's Lawn & Garden New York	01712	G	2.47	8	—	3
		F	2.49	8.94	10.02	3.32
Vaughan's Rams Head Brand Pulverized Sheep Manure New York	01710	G	2	1	1.20	1
		F	2.08	1.09	1.13	2.04

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (continued)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Number		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitrogen	Phosphoric acid		Potash
				Available	Total	
VAUGHAN SEED STORE, NEW YORK, N. Y. (concluded) Vaughan's Rose Grower Bone Meal New York	01711	G* F*	3.70 3.76	— —	22.25 20.78	— —
VIRGINIA-CAROLINA CHEMICAL Co., NEW YORK, N. Y. V-C. C. Co.'s Ammoniated Bone Phosphate for All Crops Phelps	0169	G F	1.65 1.75	10 9.42	11 11	— —
V-C. C. Co.'s Ammoniated Bone Phosphate for All Crops Syracuse	01269	G F	1.65 1.85	10 11.29	11 12.45	— —
V.-C. C. Co.'s Beef Blood & Bone B.B.B. Without Potash Cortland	01181	G F	3.29 3.06	10 10.84	11 12.56	— —
V-C. C. Co.'s Beef Blood & Bone B.B.B. With 2% Potash Holcomb	0793	G F	3.29 3.24	8 9.49	9 11.01	2 2.22
V-C. C. Co.'s High Grade Acid Phosphate Marathon	01164	G F	— —	16 16.98	17 17.18	— —
V-C. C. Co.'s High Grade Ammoniated Bone Phosphate Marathon	01165	G F	1.65 1.72	12 12.82	13 14.06	— —
V-C. C. Co.'s High Grade Corn & Vegetable Compound without Potash Cortland	01182	G F	2.47 2.43	10 9.66	11 11.76	— —
V-C. C. Co.'s High Grade Corn & Vegetable Compound with 1% Potash Mt. Kisco	01959	G F	2.47 2.46	8 8.96	9 10.28	1 1.16
V-C. C. Co.'s Owl Brand Potato Fertilizer Plattsburg	5274	G F	1.65 1.65	8 8.48	9 10.54	1 1.11

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Number		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitrogen	Phosphoric acid		Potash
				Available	Total	
VIRGINIA-CAROLINA CHEMICAL CO., NEW YORK, N. Y. (<i>concluded</i>) V-C. C. Co.'s Plow Brand Fertilizer Lowville	6861	G* F*	0.82 0.87	8 9.31	9 10.15	1 1.02
V-C. C. Co.'s Red Cross 14% Acid Phosphate Syracuse	01268	G F	— —	14 13.62	15 13.86	— —
V-C. C. Co.'s Tip Top Dresser with 1% Potash Mt. Kisco	01957	G F	5.76 5.30	5 7.40	6 8.88	1 1.40
V-C. C. Co.'s 20th Century Potato Manure without Potash Phelps	0170	G F	4.12 4.05	10 10.98	11 13.18	— —
V-C. C. Co.'s 20th Century Potato Manure with 2% Potash Mt. Kisco	01960	G F	4.12 4.32	8 8.78	9 10.14	2 2.33
V-C. C. Co.'s Universal Fertilizer for All Crops without Potash Elba	01058	G F	0.82 0.98	9 9.02	10 10.14	— —
WALLACEBURG COOPERAGE CO., WALLACEBURG, ONTARIO Wood Ashes Linwood	6681	G F	— —	— —	— 1.36	— 4.10
WEEBER & DON, NEW YORK, N. Y. Weeber & Don's Lawn and Garden Fertilizer New York	01720	G F	1.65 1.98	8 7.84	10 11.49	— —
WHANN CO., W. E., PHILADELPHIA, PA. Whann's Chester Valley Non Potash Fertilizer No. 5 Riverhead	0964	G F	4.11 4.17	8 8.22	9 9.62	— —
WILCOX FERTILIZER CO., THE, MYSTIC, CONN. Wilcox Corn Special Yaphank	0971	G F	3.30 3.34	10 8.91	11 12.04	— —

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Num- ber		POUNDS IN 100 POUNDS OF FERTILIZER			
			Nitro- gen	Phosphoric acid		Potash
				Avail- able	Total	
WILCOX FERTILIZER Co., THE, MYSTIC, CONN. (<i>concluded</i>) Wilcox Fish & Potash Manorville	0974	G*	2.40	8	9	0.50
		F*	2.58	8.85	9.37	0.41
Wilcox Long Island Dry Ground Fish Orient	0988	G	8.24	5	6	—
		F	8.72	5.04	6.76	—
Wilcox Potato & Vegetable Fertilizer Manorville	0973	G	4.12	8	9	—
		F	4.45	8.26	9.98	—
WITHERBEE, SHERMAN & Co., INC., PORT HENRY, N. Y. Barium-Phosphate Port Henry	01909	G	—	—	14	—
		F	—	—	15.54	—

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

LIME COMPOUNDS.

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Num- ber		Calcium oxide	Magnesium oxide
AMERICAN LIME & STONE CO., TYRONE, PA. Hydra-Oxide of Lime Canistco	0759	G* F*	66.75 68.07	— 0.91
BLAIR LIMESTONE CO., MARTINSBURG, W. VA. Opegnon Hydrated Lime Maine	01211	G F	65 65.50	— 1.44
CONLEY LIME & FERTILIZER CO., F. E., UTICA, N. Y. Raw Ground Lime Oxford	01194	G F	51.50 51.84	— 1.24
DUTCHESS COUNTY LIME CO., DOVER PLAINS, N. Y. Ground Oxide Dover Plains	01952	G F	58 51.58	— 34.00
Hydra-Oxide Dover Plains	0500	G F	45 45.85	— 30.83
EDISON PULVERIZED LIME STONE CO., STEWARTS- VILLE, N. J. Edison Pulverized Lime Stone Cambridge	01926	G F	50 49.60	— 1.83
EMPIRE GYPSUM CO., GARBUTT, N. Y. Empire Land Plaster Fort Ann	01912	G F	— 31.08	— 3.82
FARNAM CHESHIRE LIME CO., FARNAMS, MASS. Farnam Cheshire Lime Co.'s Agricultural Lime Claverack	01994	G F	60 60.51	— 0.61
GENESEE LIME CO., HONEOYE FALLS, N. Y. Genesee Hydrate — Hydrated Lime Irondequoit	0441	G F	65 69.65	— 1.54
HOOSICK LIME CO., HOOSICK, N. Y. Ground Lime Stone Troy	01901	G F	— 54.71	— 0.31

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)

LIME COMPOUNDS (*continued*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Num- ber		Calcium oxide	Magnesium oxide
INTERNATIONAL AGRICULTURAL CORPORATION, CALEDONIA MARL BRANCH, CALEDONIA, N. Y. Lime Carbonate Little Valley	6698	G* F*	50 48.39	— 0.34
KELLEY ISLAND LIME & TRANSPORT CO., THE, CLEVELAND, O. Tiger Brand Hydrated Agricultural Lime Elmira	0447	G F	54 57.40	— 18.85
Tiger Brand Hydrated Lime for Agricultural Purposes Little Valley	6697	G F	54 58.89	— 1.43
LEIDY, W. H., SWARTHMORE, PA. Hard Wood Ashes Binghamton	01158	G F	— 52.66	— 0.62
NATIONAL LIME AND STONE CO., THE, CAREY, O. Wyandotte Chief Hydrated Agricultural Lime Binghamton	01237	G F	47.08 48.60	— 32.84
NIAGARA GYPSUM CO., OAKFIELD, N. Y. Niagara Land Plaster Glens Falls	01904	G F	— 32.76	— 0.70
PALMER, LOWELL M., YORK, PA. Challenge Brand Hydrated Lime Florida	01989	G F	65 69.37	— 2.46
PARAGON PLASTER & SUPPLY CO., THE, BLOOMSBURG, PA. Paragon Hydrate Lime Whitney Point	01209	G F	63 66.38	— 1.36
PLANT FOOD CO., THE, CLEVELAND, O. Plant Lime Clymer	6648	G F	45 50.45	— 2.87
REEB, M. A., BUFFALO, N. Y. Peerless Hydrated Lime East Aurora	01897	G F	— 45.05	— 30.31

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*continued*)LIME COMPOUNDS (*concluded*)

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Num- ber		Calcium oxide	Magnesium oxide
ROCK CUT STONE CO., AUBURN, N. Y. Ground Limestone Groton	01318	G* F*	44.52	1.62
ROCKLAND & ROCKPORT LIME CO., NEW YORK, N. Y. R-R Land Lime New Hyde Park	01731	G F	60 63.24	0.64
SECURITY CEMENT & LIME CO., BERKELEY, W. Va. Berkeley Hydrated Lime East Aurora	01896	G F	70 70.73	1.31
STANDARD LIME & STONE CO., THE, BUCKEYS- TOWN, Md. Standard Hydrated Lime Brewerton	01280	G F	70 68.64	1.99
VANDERHOOF LIME CO., HAMBURG, N. J. Agricultural Hydrated Lime Florida	01990	G F	70 68.07	4.46
WARNER CO., CHARLES, WILMINGTON, DEL. Cedar Hollow Limoid Union	01210	G F	47 47.46	31.60
Limoid Mineola	01740	G F	47 47.46	31.58
WOODVILLE LIME & CEMENT CO., THE, TOLEDO, OHIO White Enamel Finish East Aurora	6645	G F	47.22	32.58

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REPORT OF ANALYSES OF SAMPLES OF FERTILIZERS COLLECTED BY THE COMMISSIONER OF AGRICULTURE DURING 1916 (*concluded*)

MIXTURES CONTAINING PHOSPHORIC ACID AND LIME COMPOUNDS.

NAME AND ADDRESS OF MANUFACTURER OR JOBBER; BRAND OR TRADE NAME; AND LOCALITY WHERE SAMPLE WAS TAKEN	Number		PHOSPHORIC ACID		Calcium oxide	Magnesium oxide
			Available	Total		
AMERICAN AGR'L CHEMICAL Co., New York, N. Y. Basic Lime Phosphate Waverly	01229	G* F*	13 12.84	14 14.89	30 30.64	0.72
COE-MORTIMER Co., THE, NEW YORK, N. Y. E. Frank Coe's Basic Fruit and Legume Phosphate, Basic Lime Phosphate (Key Plow Brand) Castle Creek	01226	G F	13 13.08	14 13.76	30 34.56	0.72

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