

KENTUCKY

AGRICULTURAL EXPERIMENT STATION

OF THE

State College of Kentucky

BULLETIN No. 95.

COMMERCIAL FERTILIZERS.

LEXINGTON, KENTUCKY,

September, 1901.

KENTUCKY Agricultural Experiment Station.

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NOTICE.

The Bulletins of the Station will be mailed free to any citizen of Kentucky who sends his name and address to the Station for that purpose.

Correspondents will please notify the Director of changes in their post-office address, or of any failure to receive the bulletins.

ADDRESS:

KENTUCKY AGRICULTURAL EXPERIMENT STATION,
LEXINGTON, KY.

Bulletin No. 95.

Analyses of Commercial Fertilizers.

Number of Brands. There were 268 different brands of commercial fertilizers registered from January 1, to May 1, 1901. Of these different brands, 159 were complete fertilizers, or fertilizers containing all three of the essential ingredients, namely: phosphoric acid, nitrogen and potash; 35 were acid phosphates, or superphosphates; 6 contained a mixture of acid phosphate and nitrogen compounds only; 33 acid phosphate and potash salts only; and 35 were classed as bones or tankage.

Samples Collected and Analyzed. Three hundred and forty six samples were collected by deputy inspectors, or were sent by farmers from various parts of the state; 281 samples were those sent in by firms as official samples; of these samples, 438 were analyzed by the Station.

Results of the Analyses. The results of the analyses show that of the 438 samples analyzed, 83, representing 71 brands and 30 firms, fell so far below the guaranteed analyses in phosphoric acid, nitrogen or potash, or any two, or all three of these ingredients, that the deficiencies could not be accounted

for by variations in sampling or analysis. It is probable that in most cases, variations can be accounted for by hurried or careless mixing at the factories, or gross mistakes in shipping one brand for another, but in one or two instances, the results show a desire on the part of the manufacturer to guarantee a higher percentage of the essential ingredients than the goods contain.

The great majority of the manufacturers, however, have furnished in most instances, fertilizers fully up to guarantee.

The following table gives the names of all manufacturers legally selling fertilizers in the State this year up to May 1, and the number of samples analyzed of each firm's fertilizers taken from various places in the State or furnished by the manufacturers.

The table also shows in how many of these samples there was a serious deficiency of either phosphoric acid, nitrogen or potash, and in how many the percentages of these constituents are such as to be considered acceptable, from the point of view of the buyer, either because they equal or exceed the percentage guaranteed by the manufacturer, or because a slight deficiency in one constituent is, in the Director's judgement, fully made up by an excess in one or both of the others. Under the heading "Relative Value Per Ton," is shown in how many instances the "estimated value per ton" calculated from our analysis, equals or exceeds the value calculated from the manufacturer's minimum guaranteed analysis, and in how many it is too low, reasonable allowance having been made for unavoidable variations. This table should be carefully studied. It concisely reviews each firm, showing how the samples of fertilizers taken from various places in the State compare with what was guaranteed. In order, however, to see the amount of variations from the guaranteed analyses, this table should be studied in connection with the table of results of analyses, which follows this introduction. This table can be easily referred to, as the names of the firms are arranged in alphabetical order.

NAME OF MANUFACTURER.	Phos- phoric Acid.		Nitro- gen.		Potash.		Relative Value Per Ton.	
	No. Accept- able.	No. Low. Too	No. Accept- able.	No. Low. Too	No. Accept- able.	No. Low. Too	No. Accept- able.	No. Low. Too
	No. of Samples An- alyzed.							
The Abbot & Martin Rendering Co.....	9	0	8	0	6	1	9	0
Amer. Ag. Chem. Co., Cleveland Dryer Works.....	11	10	8	0	3	3	10	1
Amer. Ag. Chem. Co.....	2	1	2	0	0	0	2	0
The Armour Fertilizer Works.....	17	17	13	1	10	1	17	0
Peter Backer & Son.....	3	2	3	0	2	0	3	0
Geo. S. Bartlett.....	6	5	5	1	3	3	5	1
Bowker Fertilizer Co.....	6	6	3	0	3	0	6	0
C. S. Brent.....	4	4	4	0	3	0	4	0
The Buckeye Phosphate Co.....	3	2	1	0	2	0	3	0
The Chicago Fertilizer Co.....	12	12	10	0	8	0	12	0
The Cincinnati Phosphate Co.....	4	4	1	0	1	1	4	0
Continental Fertilizer Co.....	11	11	6	0	7	2	11	0

NAME OF MANUFACTURER.	No of Samples An- alyzed.	Phos- phoric Acid		Nitro- gen.		Potash.		Relative Value Per Ton.	
		No. Accept- able.	No. Too Low.	No. Accept- able.	No. Too Low.	No. Accept- able.	No. Too Low.	No. Accept- able.	No. Too Low.
The Currie Fertilizer Co.....	23	23	0	19	0	17	1	23	0
Duncan & Bro.....	8	8	0	8	0	5	1	8	0
Farmers Fertilizer Works.....	13	13	0	4	8	10	3	13	0
Fox Chemical Co.....	14	12	2	7	0	10	0	13	1
Furman Farm Improvement Co.....	2	2	0	2	0	1	1	2	0
Globe Fertilizer Co.....	26	25	1	21	0	19	2	25	1
Greer Machinery Co.....	5	5	0	2	0	4	0	5	0
The Hardy Packing Company.....	10	10	0	9	0	7	0	10	0
The Jarecki Chemical Co.....	14	13	1	8	1	8	1	14	0
J. B. Jones.....	9	4	5	9	0	3	2	9	0
The Jones Fertilizing Co.....	11	9	2	10	0	6	0	11	0
The Loudenback Fertilizer Co.....	2	2	0	2	0	0	2	2	0

Commercial Fertilizers.

Louisville Fertilizer Co.....	21	20	1	19	0	17	0	21	0
Meridian Fertilizer Factory.....	2	2	0	2	0	2	0	2	0
Michigan Carbon Works.....	16	15	1	14	0	6	4	16	0
National Fertilizer Co.....	16	15	1	7	1	8	3	16	0
North-Western Fertilizing Co.....	26	25	1	20	2	18	2	25	1
The Ohio Farmers Fertilizer Co.....	15	15	0	10	1	10	1	14	1
Packers Fertilizer Association.....	11	10	1	5	1	7	1	11	0
Read Phosphate Co.....	16	16	0	11	0	13	1	16	0
J. F. Singer & Co.....	2	0	2	2	0	2	0	0	2
T. J. Smith.....	1	1	0	1	0	1	0	1	0
Swift & Co.....	23	18	5	18	0	14	2	23	0
Tennessee Chemical Co.....	20	20	0	12	0	16	1	20	0
Virginia-Carolina Chemical Co.....	10	9	1	5	1	7	1	10	0
Wake Fertilizer Co.....	4	4	0	4	0	4	0	4	0
Walker, Stratman & Co.....	5	5	0	4	0	4	0	5	0
Wood, Stubbs & Co.....	8	8	0	5	2	5	1	8	0

It is evident from the preceding table that while most of the fertilizers examined ran above the minimum guarantee, yet a thorough and careful inspection seems essential. It is hoped that farmers will generally take advantage of Section 8 of the fertilizer law, and when they purchase fertilizers, at least in quantity, that they will take a sample in accordance with Section 8 and send it to the Station for free analysis.

Essentials in Taking a Sample. 1. Take it at the time of purchase, and if possible in the presence of agent or seller. 2. Take a sample from not less than two bags, and from one additional bag for every ten purchased; mix these samples carefully and take at least a pint of this mixed sample, put it into a fruit jar, seal, box and express to M. A. Scovell, Director, Lexington, Ky. 3. Take the sample in the presence of at least one witness, and have the witness sign the required certificate. 4. The certificate for free analysis to be sent *by mail* and should be in accordance with the law as given in Section 8.

If the sample is taken in accordance with the above directions it may be sent by express and the charges will be paid by the Station.

Form of Certificate. A good form of certificate is the following, and blank certificates will be sent free to any farmer requesting the same.

CERTIFICATE FOR FREE ANALYSIS.

..... 190

M. A. SCOVELL, Director, Lexington, Ky.:

This is to certify that I am not a dealer in, or agent for the sale of any fertilizer, and that the fertilizer, a sample of which I have sent by express to you for free analysis was purchased by me..... 190 for my own use and not for sale.

I further certify that the sample was taken at the time of purchase from at least 10 per cent. of the sacks or other packages comprising the whole lot purchased, and that it was taken as provided in Section 8 of the fertilizer law, in the following

described manner, to wit:.....
.....
.....

Upon receipt of the analysis from you, I agree to furnish you with a tag taken from one of the sacks sampled, the name and address of the firm or agent of whom the fertilizer was purchased, and the amount purchased.

(Signature).....

(P. O. Address).....

Signature of Witnesses:

.....
.....

Should, however, any farmer desire to take a sample and not have a blank certificate at hand, he may write one in full like the form above given, or take the sample in presence of seller and witness and so mark it that he can identify it subsequently in a certificate, and send it at once to the Experiment Station with the request that the station furnish form of certificate, such certificate to be filled out upon receipt covering the sample and properly signed by sender and witnesses and sent by return mail to the Station.

Section Providing for Free Analysis. The section of the Fertilizer Law, providing for the taking of samples for free analysis is as follows:

SEC. 8. Any person not a dealer in, or agent for the sale of any fertilizer who may purchase any commercial fertilizer in this State for his own use and not for sale, may take a sample of the same for analysis, which analysis shall be made by the said Experiment Station free of charge. Such sample for free analysis shall be taken by the purchaser in presence of the person, company or agent selling the fertilizer from at least ten (10) per cent. of the sacks or other packages comprising the whole lot purchased, and shall be thoroughly mixed and at least one pound of the material after mixing must be put into a jar or can, securely sealed and marked in such a way as to surely identify the sample and show by whom it was sent, without giving the name of the fertilizer or the person from whom it was purchased, and must be forwarded to the Director of the Kentucky Agricultural Experiment Station, Lexington,

Ky. The purchaser shall also send with the sample a certificate signed by himself and witness, or by two witnesses, stating that the sender has purchased the fertilizer for his own use and not for sale, and that the sample was taken in the manner prescribed in this section. Provided, however, that if the person, company or agent shall refuse to witness the taking of the sample, then the sample may be taken at the time of the purchase in the manner already described in the presence of two witnesses who shall certify to the manner of taking the sample. The purchaser shall preserve the official label from one of the bags or other packages sampled to be sent to the Director after having received the report of analysis of the sample, and at the same time he shall furnish to the Director the name and address of the firm of whom the fertilizer was purchased and the amount purchased; and any person having sent a sample for free analysis, under the provisions of this section, who shall, after having received the report of analysis of the same, refuse to furnish the required information, shall thereafter forfeit the privilege of free analysis of fertilizers under this section. But if any sample shall have been submitted for free analysis without all the requirements of this section having been complied with, the Director shall inquire into the case and may accept the sample for free analysis if he believes that it is a fair sample of the fertilizer as it was delivered to the purchaser.

Values Used.—In calculating the relative value per ton, the following values have been used;

Soluble and reverted phosphoric acid in mixed fertilizers.....	6c per lb.
Soluble and reverted phosphoric acid in plain acid and unacidulated phosphates.....	5c per lb.
Insoluble phosphoric acid in mixed fertilizers.....	2c per lb.
Insoluble phosphoric acid in plain acid phosphates.....	Nothing.
Phosphoric acid in fine bone.....	4c per lb.
Phosphoric acid in medium bone.....	3c per lb.

Fine bone is all that passes through a sieve with meshes one-twenty-fifth inch square. Medium bone passes through a sieve with meshes one-sixth inch square, but does not include fine bone.

Nitrogen in all fertilizers.....	15c per lb.
Potash in all fertilizers, from sulphate.....	6c per lb.
Potash in all fertilizers, from muriate.....	5c per lb.

The term "Potash from muriate" does not indicate necessarily that the manufacturers used muriate of potash in furnishing the potash; they may have used sulphate of potash, or other salts of potash, but in all fertilizers where the term "Potash from Muriate" is used there is enough chlorine present to combine with the potash, either from salt in the tankage used, or the potash salts used, as muriate, kainit, carnallite, etc. As the objection to the use of muriate of potash arises from the chlorine present in this salt, it likewise follows that chlorine in a fertilizer is objectionable, whether put in with the potash or otherwise. The using of sulphate of potash where there is chlorine present in other ingredients of the fertilizer will not obviate the injurious effect of the chlorine, and therefore we take this method of showing chlorine present by designating the potash as "from muriate."

Explanation of the Table. In the table of analyses, following the name of each brand will be found the analysis of the sample furnished by the manufacturer at the time the fertilizer was entered for sale and which was accompanied by an affidavit giving the guaranteed analysis. This is the analysis that is marked "manufacturer" in the column headed "From Whom Obtained." If any other analyses of the same brand have been made, they will be found following this analysis. These samples have been collected by deputy inspectors or sent in by farmers. The manufacturer's guarantee is printed last in *italic* figures.

The figures in the table which are set in bold face type are those results which, in the judgment of the Director, were too low to be acceptable. Where the total phosphoric acid in samples of bone is marked with (*) it indicates that the bone contains soluble phosphoric acid. This soluble phosphoric acid is an indication of either the addition of acid phosphate to the bone, in which case it would not be a pure raw bone, or else that the bone containing this soluble phosphoric acid was not strictly a pure or high grade bone, but contained trashy materials, which carried with them the soluble phosphoric acid.

The names of the manufacturers are arranged in alphabetical order, and all the analyses of the same brand have been grouped together.

TABLE OF ANALYSES.

Station Number.	NAME AND ADDRESS OF MANUFACTURER AND NAME OF BRAND.	From Whom Obtained.
7522	The Abbott & Martin Rendering Co., Columbus, O. Standard Phosphate.....	Manufacturer
7523 8203	Ideal Grain Grower	Manufacturer
7524 8204	Peerless Bone & Potash	Manufacturer
7525	Bone, Meat & Blood Guano.....	Manufacturer
7526 8205	Abbott's Tobacco & Potato Spec.	Manufacturer
7527	Render's Bone Meal.....	Manufacturer
7640	A. D. Adair & McCarty Bros , Atlanta, Ga. Amer. Ag. Chem. Co. New York, Clev. Dryer Wks. Forest City Buckeye Am. Bone Superphos.....	See Furman Farm Improve- ment Co. Manufacturer
7641 8206	Phospho Bone	Manufacturer
7642 8207	Tobacco, Potato & General Crop Fertilizer	Manufacturer
7643 8208	XXX Superphosphate.....	Manufacturer
7644 8209	Ohio Seed Maker	Manufacturer

TABLE OF ANALYSES.

POUNDS IN THE HUNDRED.												
In Fine Bone.	In Medium Bone.	Phosphoric Acid.					Nitrogen.	Equivalent to Ammonia.	Potash.		Relative Value per Ton.	Station Number.
		Soluble.	Reverted.	Available.	Insoluble.	Total.			From Muriate.	From Sulphate.		
				8.72	0.91	9.63					\$8.72	7522
		6.00	3.00	9.00		10.00					9.00	
				8.39	1.04	9.43	0.93	1.13		1.02	14.50	7523
				10.00	2.11	12.11	0.81	0.98		0.89	16.34	8203
		6.00	2.00	8.00		10.00	0.82	1.00		1.00	14.06	
				8.15	0.86	9.01	0.94	1.14		2.90	16.42	7524
				9.08	1.46	10.54	0.55	0.67	2.84		15.97	8204
		6.00	2.00	8.00		10.00	0.41	0.50	1.50	1.00	14.33	
				8.92	0.60	9.52	1.01	1.23		4.02	18.79	7525
		6.00	2.00	8.00		10.00	0.82	1.00	3.00	1.00	17.06	
				8.68	0.68	9.36	1.02	1.24		4.16	18.74	7526
				10.06	2.02	12.08	0.76	0.92	3.25		18.41	8205
		6.00	2.00	8.00		10.00	0.82	1.00	3.00	1.00	17.06	
17.61	3.11					20.72	1.63	1.98			20.85	7527
						20.00	1.65	2.00			16.95	
				10.14	0.79	10.93	2.74	3.33		1.96	23.06	7640
		7.00	2.00	9.00		11.00	2.47	3.00	2.00		21.01	
				10.87	2.19	13.06	1.11	1.35	0.80		18.05	7641
				10.10	2.35	12.45	1.05	1.27	1.20		17.41	8206
		7.00	3.00	10.00		11.00	0.82	1.00	1.00		15.86	
				9.47	0.41	9.88	1.03	1.25		1.98	16.99	7642
				8.63	1.83	10.46	1.26	1.53	2.53		17.40	8207
		5.00	3.00	8.00		10.00	0.82	1.00	4.00		16.86	
				15.40	0.82	16.22					15.40	7643
				14.82	2.30	17.12					14.82	8208
		10.00	4.00	14.00		15.00					14.00	
				10.91	0.68	11.59	1.96	2.33			19.24	7644
				10.80	3.13	13.93	2.02	2.45			20.27	8209
		7.00	3.00	10.00		11.00	1.65	2.00			17.35	

TABLE OF ANALYSES.

Station Number.	NAME AND ADDRESS OF MANUFACTURER AND NAME OF BRAND.	From Whom Obtained.
	Amer. Agr. Chem. Co., Clev. Dryer Wks.	
7645	Ohio Seed Maker with Potash ...	Manufacturer ...
7646	Horsehead Phosphate	Manufacturer
	American Ag. Chem. Co., New York.	
7647	Ground Bone	Manufacturer ...
8210		Bassett & Stone, Leitchfield.....
	The Armour Fertilizer Works, Chicago, Ill.	
7653	Bone Meal.....	Manufacturer
8214		I. K. Miller, Burdick
7654	Raw Bone Meal.....	Manufacturer
8215		D. M. Brakefield, Adairville.....
7655	Grain Grower.....	Manufacturer
7656	Ammoniated Bone with Potash ..	Manufacturer
7784		Chas. J. Fischer, Pewee Valley...
7657	Tobacco Grower	Manufacturer
8216		D. M. Brakefield, Adairville.....
7658	Bone, Blood & Potash.....	Manufacturer
8217		Bassett & Stone, Leitchfield.....
7659	Star Phosphate	Manufacturer
8218		I. K. Miller, Burdick
7660	White Burley & Black Tobacco..	Manufacturer
7661	Phosphate and Potash.....	Manufacturer

TABLE OF ANALYSES.

POUNDS IN THE HUNDRED.												
In Fine Bone.	In Medium Bone.	Phosphoric Acid.					Nitrogen.	Equivalent to Ammonia.	Potash.		Relative Value per Ton.	Station Number.
		Soluble.	Reverted.	Available.	Insoluble.	Total.			From Muriate.	From Sulphate.		
				8.37	2.49	10.86	1.71	2.08	1.66		\$17.83	7645
		6.00	2.00	8.00		10.00	1.65	2.00	2.00		17.35	
				8.96	5.69	14.65					8.96	7646
		7.00	3.00	10.00		12.00					10.00	
16.89	5.63					22.52	2.30	2.79			23.79	7647
14.40	3.82					18.22	2.45	2.97			21.16	8210
						20.00	2.47	3.00			19.41	
24.17	2.39					26.56	2.48	3.01			28.21	7653
20.10	5.03					25.13	3.18	3.86			28.64	8214
						24.00	2.47	3.00			21.81	
17.75	7.61					25.36	3.98	4.83			30.71	7654
16.28	9.56					25.84	3.81	4.63			30.19	8215
						22.00	3.71	4.50			24.33	
				10.22	0.65	10.87	2.02	2.45	1.38	1.10	21.28	7655
		6.00	2.00	8.00		10.00	1.65	2.00	2.00		17.35	
				7.49	0.79	8.28	2.81	3.41	1.36	1.03	20.34	7656
				7.72	2.76	10.48	2.04	2.48	1.86		18.34	7784
		4.00	2.00	6.00		8.00	2.47	3.00		2.00	17.81	
				10.06	0.60	10.66	1.57	1.91	1.22	4.35	23.46	7657
				9.00	0.70	9.70	2.26	2.74		5.43	24.38	8216
		6.00	2.00	8.00		10.00	1.65	2.00		5.00	21.35	
				10.16	0.32	10.48	4.04	4.90		7.53	33.48	7658
				9.60	1.24	10.84	4.47	5.43	1.00	4.92	32.33	8217
		6.00	2.00	8.00		10.00	4.12	5.00		7.00	31.16	
				16.81	0.84	17.65					16.81	7659
				15.44	2.67	18.11					15.44	8218
		10.00	4.00	14.00		16.00					14.00	
				10.09	3.28	13.37	3.27	3.97		4.25	28.33	7660
		6.00	2.00	8.00		10.00	2.88	3.50		4.00	23.84	
				12.13	0.42	12.55			1.36	1.10	17.41	7661
		6.00	4.00	10.00		12.00			2.00		14.80	

TABLE OF ANALYSES.

Station Number.	NAME AND ADDRESS OF MANUFACTURER AND NAME OF BRAND.	From Whom Obtained.
7662 7785	The Armour Fertilizer Works, Wheat, Corn and Oats Special...	Manufacturer Chas. J. Fischer, Pewee Valley
7851	Peter Backer & Son, Troy, Ind. Grower No. 2.....	Manufacturer
7852	Grower No. 7	Manufacturer
7853	Grower No. 9.....	Manufacturer
7729 8141	Geo. S. Bartlett, successor to Cinti. Des. Co., Cinti., O. Indian Brand Tob. & Pot'to Fert	Manufacturer Benj. Mylor, Gex
7730 8251	Indian Brand Gilead Phosphate..	Manufacturer Tonie Beutler, Burlington.....
7731 8252	Indian Brand Ohio Valley Phos.	Manufacturer..... S. E. Foxworthy & Co., Mt. Carmel
7668	Bowker Fertilizer Co., Boston- New York Cincinnati. Bowker's Fish Guano	Manufacturer
7669	Bowker's Harvest Bone	Manufacturer
7670	Bowker's Bone Meal	Manufacturer..
7671	Bowker's Soluble Bone.....	Manufacturer
7672	Bowker's Dissolved Bone.....	Manufacturer
7673	Bowker's Dis. Bone with Potash	Manufacturer

TABLE OF ANALYSES.

POUNDS IN THE HUNDRED.												Relative Value per Ton.	Station Number.
Phosphoric Acid.							Nitrogen.	Equivalent to Ammonia.	Potash.				
In Fine Bone.	In Medi- um Bone.	Soluble	Reverted.	Available.	Insoluble.	Total.			From Muriate	From Sulphate.			
				9.11	0.51	9.62	1.11	1.35	1.36			\$15.82	7662
				8.44	2.11	10.55	1.65	2.00	1.78			17.70	7785
		5.00	2.00	7.00		9.00	0.82	1.00	1.00			12.66	
				8.58	1.37	9.95	2.22	2.70	3.17			20.68	7851
		4.00	2.00	6.00		10.00	2.00	2.43	2.50			17.30	
8.26	3.05					11.31	3.87	4.70	3.31			23.36	7852
						15.00	3.00	3.64	2.50			20.50	
12.23	11.28					23.51	4.04	4.90				28.67	7853
						20.00	3.00	3.64				21.00	
				9.56	1.88	11.44	3.44	4.18	4.42			26.96	7729
				10.47	3.68	14.15	1.70	2.06	3.12			22.25	8141
				9.00		11.00	3.29	4.00		5.00		27.47	
				9.67	3.01	12.68	2.96	3.59	1.30	1.55		24.84	7730
				8.72	5.22	13.94	2.91	3.53	1.26			22.54	8251
				9.00		11.00	2.47	3.00	2.00			21.01	
				7.37	2.71	10.08	2.12	2.57	1.08	1.52		19.18	7731
				9.41	3.72	13.13	1.45	1.76	2.01			19.14	8252
				8.00		11.00	1.65	2.00	2.00			17.75	
				8.45	3.33	11.78	0.96	1.17	3.32			17.67	7668
				8.00		9.00	0.75	0.91	3.00			15.25	
				9.34	2.56	11.90	1.03	1.25	1.31			16.63	7669
				9.00		10.00	0.75	0.91	1.00			14.45	
14.00	6.88					20.88	1.75	2.12				20.58	7670
						20.00	1.50	1.82				16.50	
				16.55	1.28	17.83						16.55	7671
				14.00		15.00						14.00	
				10.13	2.97	13.10						10.13	7672
				10.00		11.00						10.00	
				10.04	2.69	12.73				1.14		14.27	7673
				10.00		11.00				1.00		13.40	

TABLE OF ANALYSES.

Station Number.	NAME AND ADDRESS OF MANUFACTURER AND NAME OF BRAND.	From Whom Obtained.
	C. S. Brent, Lexington, Ky.	
7665	Brent's Tob. & Potato Grower ...	Manufacturer
7666	Brent's Raw Bone Meal	Manufacturer
7667	Brent's Grain Grower	Manufacturer
7862	Brent's Tobacco & Hemp Spec...	Manufacturer
	The Buckeye Phosphate Co., Columbus, O.	
7564	Buckeye Special Blood & Potash Mixture	Manufacturer
7565	Buckeye Wheat Maker..	Manufacturer
7566	Extra Super Phosphate.....	Manufacturer
	The Chicago Fertilizer Co., Chicago, Ill.	
7543	Mt. Pleasant Phosphate	Manufacturer
8253		R. L. Berkhead, Big Clifty.....
7544	Bone, Blood & Potash.....	Manufacturer
8254		W. M. McCormick, Falls of Rough
7545	Potash Special.....	Manufacturer
8255		Bruce & Bright, Danville
7546	Standard Truck & Tob. Fert.....	Manufacturer
8256		D. W. Myers, Horse Cave.....
7547	Chicago Bone Meal	Manufacturer
8257		Bruce & Bright, Danville

TABLE OF ANALYSES.

POUNDS IN THE HUNDRED.												
In Fine Bone.	In Medium Bone.	Soluble.	Reverted.	Phosphoric Acid.			Nitrogen.	Equivalent to Ammonia.	Potash.		Relative Value per Ton.	Station Number.
				Available.	Insoluble.	Total.			From Muriate.	From Sulphate.		
				7.82	3.72	11.54	2.33	2.83	2.00		\$19.86	7665
				6.00		8.00	2.47	3.00		2.00	17.81	
18.80	6.61					25.41	3.65	4.43			29.96	7666
						22.00	3.71	4.50			24.33	
				8.42	3.62	12.04	2.02	2.45	2.05		19.66	7667
				8.00		10.00	1.65	2.00	2.00		17.35	
				5.36	0.24	5.60	3.70	4.49	2.40	7.80	29.39	7862
				5.00			4.00	4.86		10.00	30.00	
				8.28	1.93	10.21	0.70	0.85		4.87	18.65	7564
				8.00			0.82	1.00	4.00		16.06	
				9.92	1.98	11.90				3.89	17.36	7565
				10.00					2.00		14.00	
				13.14	2.47	15.61					13.14	7566
				14.00							14.00	
				8.69	0.93	9.62					8.69	7543
				9.21	2.42	11.63					9.21	8253
				9.00		10.00					9.00	
				10.62	0.86	11.48	1.66	2.02		2.54	21.11	7544
				7.61	1.78	9.39	1.28	1.55	3.22		16.90	8254
				8.00		10.00	1.23	1.50		2.00	16.49	
				8.88	0.74	9.62	1.03	1.25		4.05	18.91	7545
				10.91	1.54	12.45	0.82	1.00	3.63		19.80	8255
				8.00		9.00	0.82	1.00		4.00	17.26	
				8.45	1.27	9.72	2.75	3.34		4.21	23.95	7546
				8.85	2.19	11.04	2.17	2.63	4.91		22.92	8256
				8.00		9.00	2.47	3.00		4.00	22.21	
17.26	5.15					22.41	2.47	3.00			24.31	7547
12.36	10.97					23.33	1.42	1.72			20.73	8257
						20.00	1.65	2.00			16.95	

TABLE OF ANALYSES.

Station Number.	NAME AND ADDRESS OF MANUFACTURER AND NAME OF BRAND.	From Whom Obtained.
7567 8258	The Chicago Fertilizer Co. Wheat Special	Manufacturer W. M. McCormick, Falls of Rough.....
7764	The Cincinnati Phosphate Co., Cincinnati, O. Capital City Superphosphate.....	Manufacturer
7765	Capital City Wheat Grower.....	Manufacturer
7766	Capital City Grain & Grass Grow	Manufacturer
7767	Capital City Dis. Bone & Potash..	Manufacturer
7465 8267	Cleveland Dryer Works. (see Continental Fertilizer Co., Nash- ville, Tenn. Bear Special Tobacco Guano.....	Amer. Ag. Chem. Co.) Manufacturer G. D. McCullum, Winchester ...
7466 8268	Bear Special Wheat & Corn Grower.....	Manufacturer G. D. McCullum, Winchester.....
7467 8269	Bear High Grade Dis. Bone.....	Manufacturer Sam Terry & Co., Grayson Spgs..
7468 8270	Bear Potash Mixture	Manufacturer A. Hurt, Craycraft
7469 8271	Bear Beef, Blood & Bone	Manufacturer G. D. McCullum, Winchester ...
7470	Bear Potash Special.....	Manufacturer

TABLE OF ANALYSES.

POUNDS IN THE HUNDRED.												
In Fine Bone.	In Medium Bone.	Soluble.	Phosphoric Acid.				Nitrogen	Equivalent to Ammonia.	Potash		Relative Value per Ton.	Station Number.
			Reverted.	Available.	Insoluble.	Total.			From Muriate.	From Sulphate.		
				8.51	0.88	9.39	0.96	1.17		0.97	\$14.60	7567
				8.72	2.76	11.48	1.25	1.52		0.97	16.47	8258
				8.00		9.00	0.82	1.00		1.00	13.66	
				11.91	2.76	14.67					11.91	7764
				12.00							12.00	
				15.08	1.73	16.81					15.08	7765
				14.00							14.00	
				10.76	2.93	13.69	0.98	1.19	0.62	0.51	18.25	7766
				10.00			0.82	1.00		1.00	15.66	
				12.39	2.09	14.48				2.57	18.79	7767
				12.00						3.00	18.00	
				11.98	1.79	13.77	1.61	1.95		2.43	22.85	7465
				11.35	3.48	14.83	1.54	1.87	0.96	0.88	21.65	8267
	6.00	4.00		10.00		11.00	1.65	2.00		2.00	19.75	
				12.35	0.79	13.14	0.59	0.72		1.42	18.61	7466
				11.04	5.18	16.22	0.62	0.75	1.12		18.30	8268
	8.00	2.50		10.50		11.50	0.41	0.50		1.00	15.43	
				14.83	1.55	16.38					14.83	7467
				16.55	2.29	18.84					16.55	8269
	8.00	6.00		14.00		15.00					14.00	
				11.14	1.05	12.19				2.03	16.23	7468
				13.43	6.23	19.66				1.32	20.19	8270
	8.00	2.00		10.00		11.00				2.01	14.80	
				12.13	1.60	13.73	1.63	1.98		2.27	22.81	7469
				10.84	2.62	13.46	2.08	2.53	0.92	0.75	22.12	8271
	6.00	4.00		10.00		11.00	1.65	2.00		2.00	19.75	
				10.94	0.96	11.90				4.02	18.33	7470
	8.00	2.00		10.00		11.00				4.00	17.20	

TABLE OF ANALYSES.

Station Number.	NAME AND ADDRESS OF MANUFACTURER AND NAME OF BRAND.	From Whom Obtained.
	The Currie Fertilizer Co., Louisville, Ky.	
7704 8286	Currie's Acid Phosphate	Manufacturer I. K. Miller, Burdick.....
7705 8287	Currie's Alkaline Bone	Manufacturer W. N. Vaughan & Son, Greensburg
7706 8288	Currie's Corn & Wheat Special ..	Manufacturer A. C. McElroy, Bowling Green..
770 8289	Currie's Corn & Oats Special	Manufacturer Swinney Bros , Beard.....
7708 8290	Currie's Golden Leaf Tobacco & Potato Grower.....	Manufacturer W. N. Vaughan & Son, Greensburg
7709	Currie's Tob. & Potato Grower...	Manufacturer
7710	Currie's Butchertown Raw Bone Meal	Manufacturer
7711 8291	Currie's Fine Ground Raw Bone Meal	Manufacturer R. L. Berkhead, Big Clifty.....
7712	Currie's Raw Bone Meal.....	Manufacturer
7721 8292	Currie's Soluble Bone	Manufacturer Scott Montgomery, Columbia ...
7747 8293	Currie's Climax Tobacco & Potato Grower	Manufacturer W. S. Lochridge, Mayfield.....

TABLE OF ANALYSES.

POUNDS IN THE HUNDRED.														
In Fine Bone.	In Medium Bone.	Soluble.	Reverted.	Phosphoric Acid.			Total.	Nitrogen.	Equivalent to Ammonia.		Potash.		Relative Value Per Ton.	Station Number.
				Available.	Insoluble.				From Muriate.	From Sulphate.				
				15.62	1.06	16.68							\$15.62	7704
				15.30	1.28	16.58							15.30	8286
				13.50									13.50	
				12.56	1.37	13.93					2.31	18.39	18.39	7705
				11.44	2.29	13.73					1.61	16.58	16.58	8287
				10.00		11.00					2.00	14.80	14.80	
				11.15	2.30	13.45	0.99	1.20			1.28	18.81	18.81	7706
				11.34	2.37	13.71	1.01	1.23			1.04	18.84	18.84	8288
				10.00		12.50	0.62	0.75	1.00			15.86	15.86	
				9.20	2.70	11.90	1.94	2.36	2.86			20.80	20.80	7707
				9.00	3.26	12.26	2.09	2.54	2.28		0.89	21.72	21.72	8289
				8.00		10.00	1.65	2.00	3.00			18.35	18.35	
				8.26	5.48	13.74	1.63	1.98	3.91			20.90	20.90	7708
				9.08	4.48	13.56	1.79	2.17	3.90			21.96	21.96	8290
				8.00		9.50	1.65	2.00	3.50			18.65	18.65	
				10.60	2.24	12.84	1.70	2.06	1.88		5.80	27.56	27.56	7709
				7.00		9.00	1.65	2.00		8.00	23.75	23.75		
13.30	4.20					*17.50	2.30	2.79	1.11			21.17	21.17	7710
						15.00	1.65	2.00	0.75			14.70	14.70	
15.33	3.60					*18.93	2.06	2.50				20.60	20.60	7711
14.70	3.68					*18.38	2.34	2.84				20.99	20.99	8291
						15.00	1.65	2.00				13.95	13.95	
10.86	12.24					23.10	3.70	4.49				27.13	27.13	7712
						19.00	3.09	3.75				20.67	20.67	
				10.00	4.66	14.66	1.41	1.71		1.59	20.00	20.00	7721	
				10.61	4.32	14.93	1.34	1.63	0.74	1.23	20.70	20.70	8292	
				10.00		12.00	1.03	1.25	1.50			17.39	17.39	
				10.65	4.18	14.83	1.39	1.69		1.61	20.55	20.55	7747	
				10.13	4.07	14.20	1.21	1.47	0.64	0.84	19.07	19.07	8293	
				9.50		12.00	1.03	1.25	1.50			16.99	16.99	

* Contains Soluble Phosphoric Acid.

TABLE OF ANALYSES.

Station Number.	NAME AND ADDRESS OF MANUFACTURER AND NAME OF BRAND.	From Whom Obtained.
	The Currie Fertilizer Co.	
7748 8294	Currie's Corn Grower	Manufacturer Wm. Leming, Hodgenville.....
7749	Currie's Kentucky Phosphate....	Manufacturer
7750	Currie's, Wheat Grower.....	Manufacturer
	Duncan & Bro., Lagrange, Ky.	
7700 8306	Tiger Tob. & Potato Grower....	Manufacturer Mfrs. Warehouse.....
7701 8307	Tiger Corn & Wheat Grower.....	Manufacturer Mfrs. Warehouse.....
7702 8308	Tiger Corn & Wheat Special	Manufacturer Mfrs. Warehouse.....
7714 7845	Tiger Raw Bone Meal.....	Manufacturer Jas. Schrodt, O'Bannon.....
	Farmers Fertilizer Works, Louisville, Ky.	
7568 8323	Dissolved Bone	Manufacturer W. P. Wooldridge, Big Clifty.....
7569 8324	Bone & Potash.. ..	Manufacturer W. P. Wooldridge, Big Clifty.....
7570 8325	Corn & Wheat Grower	Manufacturer W. P. Wooldridge, Big Clifty.....
7571 8326	Tobacco Grower No. 1.....	Manufacturer D. E. Patterson, Hodgenville ...
7572	Vegetable Grower.....	Manufacturer

TABLE OF ANALYSES.

POUNDS IN THE HUNDRED.												
In Fine Bone.	In Medium Bone.	Phosphoric Acid.					Nitrogen.	Equivalent to Ammonia.	Potash.		Relative Value per Ton.	Station Number.
		Soluble.	Reverted.	Available.	Insoluble.	Total.			From Muriate.	From Sulphate.		
				10.41	4.23	14.64	1.36	1.65		1.70	\$20.30	7748
				10.21	5.44	15.65	1.25	1.52	0.54	1.02	19.94	8294
				10.00		12.50	1.03	1.25	1.50		17.59	
				10.55	4.26	14.81	1.35	1.64		1.61	20.34	7749
				10.00		12.50	1.03	1.25	1.50		17.59	
				10.51	4.09	14.60	1.40	1.70		1.63	20.41	7750
				10.00		12.50	1.03	1.25	1.50		17.59	
				9.20	0.24	9.44	1.54	1.87		4.92	21.66	7700
				10.39	1.41	11.80	1.69	2.05		3.04	21.75	8306
		4.00	3.00	7.00		8.00	1.65	2.00		4.00	18.55	
				11.63	1.07	12.70	0.88	1.07	0.70	1.21	19.18	7701
				12.02	1.00	13.02	0.90	1.09		1.77	19.64	8307
		7.00	3.00	10.00		11.00	0.82	1.00	2.00		16.86	
				11.82	4.21	16.03	0.99	1.20		1.68	20.85	7702
				11.01	2.60	13.61	0.98	1.19		1.94	19.52	8308
		5.00	2.00	7.00		12.00	0.82	1.00	1.50		14.36	
16.72	10.25					26.97	3.41	4.14			29.76	7714
19.52	7.22					26.74	3.58	4.35			30.69	7845
						22.00	3.71	4.50			24.33	
				12.78	2.29	15.07	1.27	1.54		1.80	22.23	7568
				14.22	1.62	15.84	1.25	1.52		2.08	23.96	8323
				10.00		12.00	1.65	2.00		2.00	20.15	
				12.01	1.69	13.70	0.75	0.91		3.68	21.76	7569
				12.15	1.47	13.62	0.78	0.95		4.55	22.97	8324
				10.00		14.00	0.82	1.00		4.00	20.86	
				10.22	2.51	12.73	1.33	1.61		2.45	20.19	7570
				10.46	2.61	13.07	1.25	1.52		1.45	19.08	8325
				9.00		11.00	1.65	2.00		3.00	20.15	
				10.68	4.59	15.27	2.73	3.31		5.58	29.55	7571
				12.07	3.86	15.93	2.35	2.85		3.26	26.98	8326
				8.00		11.00	3.29	4.00		4.00	25.47	
				11.04	3.89	14.93	2.51	3.00		5.60	29.06	7572
				8.00		11.00	3.29	4.00		4.00	25.47	

TABLE OF ANALYSES.

Station Number.	NAME AND ADDRESS OF MANUFACTURER AND NAME OF BRAND.	From Whom Obtained.
	Farmer's Fertilizer Works.	
7573	Potato Grower.....	Manufacturer
7574 8327	Tobacco Grower No. 2.....	Manufacturer..... A. Niswanger, Providence.....
7575	Alkaline Bone.....	Manufacturer
	Fox Chemical Co , Louisville, Ky.	
7615	Fox Wheat and Corn Grower.....	Manufacturer
7616	Fox Tobacco Grower..	Manufacturer
7617 8309	Fox Grain Grower.....	Manufacturer..... Baston & Co., Newell
7618	Fox Bone & Blood.....	Manufacturer.....
7619	Fox Special Tobacco Grower	Manufacturer.....
7620	Fox Alkaline Bone..	Manufacturer
7621	Fox Acid Phosphate	Manufacturer.....
7622 8310	A. A. Acid Phosphate.....	Manufacturer
		Jangdon Bros., Science Hill ...
7623 8311	Fox Bone & Potash	Manufacturer
		England & Co., Horse Cave
7624	Fox Phosphate of Potash.....	Manufacturer

TABLE OF ANALYSES.

POUNDS IN THE HUNDRED.												
In Fine Bone.	In Medium Bone.	Soluble.	Reverted.	Phosphoric Acid.			Nitrogen.	Equivalent to Ammonia.	Potash.		Relative Value per Ton.	Station Number.
				Available.	Insoluble.	Total.			From Muriate.	From Sulphate.		
				11.35	4.49	15.84	2.80	3.40		5.43	\$30.34	7573
				8.00		11.00	4.12	5.00		5.00	29.16	
				10.21	2.20	12.41	1.85	2.25		4.09	23.59	7574
				10.86	2.53	13.39	1.57	1.91		4.06	23.62	8327
				8.00		11.00	1.65	2.00		2.00	18.15	
				11.01	0.99	12.00				2.25	16.31	7575
				10.00		12.00				2.00	15.20	
				10.83	1.43	12.26	2.13	2.59		2.19	22.59	7615
				10.00		11.00	1.65	2.00		2.00	19.75	
				8.26	0.95	9.21	2.00	2.43		1.89	18.56	7616
				8.00		9.00	1.65	2.00		2.00	17.35	
				10.78	1.36	12.14	1.33	1.61		1.36	19.10	7617
				8.94	0.60	9.54	1.46	1.77		1.44	17.08	8309
				9.00		10.00	0.82	1.00		1.00	14.86	
				11.63	1.66	13.29	2.41	2.93			21.85	7618
				9.00		11.00	1.65	2.00			16.55	
				10.72	1.01	11.73	2.47	3.00		3.69	25.10	7619
				9.00		10.00	2.47	3.00		3.00	22.21	
				11.60	0.78	12.38				2.15	16.81	7620
				10.00						2.00	14.40	
				13.24	0.55	13.79					13.24	7621
				14.00							14.00	
				9.54	1.01	10.55					9.54	7622
				9.71	0.78	10.49					9.71	8310
				10.00							10.00	
				9.77	0.90	10.67				1.32	13.66	7623
				8.00	0.51	8.51				0.82	10.78	8311
				9.00						1.00	12.00	
				10.16	0.70	10.86				4.30	17.63	7624
				9.00						4.00	15.60	

TABLE OF ANALYSES.

Station Number.	NAME AND ADDRESS OF MANUFACTURER AND NAME OF BRAND.	From Whom Obtained.
	Fox Chemical Co.	
7625	Fox Formula.....	Manufacturer.....
	Furman Farm Improvement Co., Atlanta, Ga.	
7796	Furman High Grade Fertilizer...	Manufacturer.....
7797	Furman Soluble Bone.....	Manufacturer.....
	Globe Fertilizer Co., Louisville, Ky.	
7576	Eagle Wheat & Corn Grower....	Manufacturer
8332		R. & H. Huntsman, Scottsville..
7577	Big Four Tobacco Grower.....	Manufacturer.....
8333		Arch Cash & Bro., Princeton
7578	Golden Harvest Bone Meal	Manufacturer.....
7579	Progress Corn & Wheat Grower	Manufacturer
8334		Dunagan & Kirtley, Horse Cave.
7580	Globe Wheat Grower	Manufacturer.....
7581	Bone & Potash	Manufacturer.....
8110		Geo. G. Dickey, Elizabethtown.
7582	Kentucky Stand. Tob. Grower..	Manufacturer.....
8335		Carter Bros., Mayfield.....
7583	Globe Bone Dust	Manufacturer
8336		M. G. Higgins, Pulaski
7584	Globe Potato Grower	Manufacturer.....
7722		Ph. P. Thomas, Hikes Point.....

TABLE OF ANALYSES.

POUNDS IN THE HUNDRED.												
In Fine Bone.	In Medium Bone.	Phosphoric Acid.					Nitrogen.	Equivalent to Ammonia.	Potash.		Relative Value per Ton.	Station Number.
		Soluble.	Reverted.	Available.	Insoluble.	Total.			From Muriate.	From Sulphate.		
				11.04 11.00	1.15	12.19	0.97 0.82	1.18 1.00		3.69 3.50	\$21.05 19.86	7625
	7.00	3.00		10.33 10.00	1.98	12.31 12.00	2.40 1.65	2.91 2.00	1.48 2.00		21.87 19.75	7796
	7.00	3.00		11.87 10.00	1.29	13.16 12.00	0.87 0.82	1.06 1.00	1.91 2.00		19.28 17.26	7797
				10.19 9.76 8.00	2.53 0.96	12.72 10.72 10.00	2.06 2.15 1.65	2.50 2.61 2.00		1.90 2.18 2.00	21.70 21.16 17.75	7576 8332
				8.36 10.90 8.00	6.61 0.90	14.97 11.80 10.00	2.16 2.18 1.65	2.62 2.65 2.00		1.99 2.47 2.00	21.54 22.94 17.75	7577 8333
				10.42 10.00	6.26	16.68 12.00	2.82 2.47	3.42 3.00			23.46 20.21	7578
				9.20 11.04 9.00	2.47 2.70	11.67 13.74 10.00	2.34 2.07 1.65	2.84 2.51 2.00		1.29 1.21 1.00	20.60 21.99 17.35	7579 8334
				10.46 10.00	1.37	11.83 11.00	2.06 1.65	2.50 2.00		2.23 2.00	21.96 19.75	7580
				11.71 11.43 11.00	1.56 1.64	13.27 13.07	0.46 0.57 0.41	0.56 0.69 0.50		1.14 1.31 1.00	17.42 17.66 15.63	7581 8110
				8.20 8.78 8.00	1.94 0.64	10.14 9.42 9.00	3.49 3.10 2.47	4.24 3.76 3.00		3.79 3.59 3.00	25.64 24.41 21.01	7582 8335
				10.50 10.47 9.00	1.88 0.54	12.38 11.01 10.00	1.29 1.40 0.82	1.57 1.70 1.00		1.02 1.63 1.00	18.44 18.94 14.86	7583 8336
				8.96 8.49 8.00	2.30 1.16	11.26 9.65 9.00	3.42 3.55 3.29	4.15 4.31 4.00	1.32	4.32 3.05 4.00	27.11 26.28 24.67	7584 7722

TABLE OF ANALYSES.

Station Number.	NAME AND ADDRESS OF MANUFACTURER AND NAME OF BRAND.	From Whom Obtained.
	Globe Fertilizer Co.	
7585	Globe Sol. Vegetable Manure....	Manufacturer
7586	Globe Spec. Tobacco Grower	Manufacturer
7587	Phosphate of Potash	Manufacturer
7588	Big Four Phosphate	Manufacturer
7589	Globe Acid Phosphate.	Manufacturer
7590	Acorn Acid Phosphate	Manufacturer
8337		Conner & Cornelius, Russellville
7591	Braden's Formula.....	Manufacturer
8338		C. R. Barnes, Bardstown.....
7715	Globe Bone Meal	Manufacturer
	Greer Machinery Co., Knoxville, Tenn.	
7776	Greer's Challenge.....	Manufacturer
7777	Blood & Bone.....	Manufacturer
7778	Greer's Compound.....	Manufacturer
7779	Farmer's Compound	Manufacturer
7780	Greer's Dissolved Bone.....	Manufacturer
	The Hardy Packing Co., Chicago, Ill.	
7548	Hardy's Wheat Grower.....	Manufacturer

TABLE OF ANALYSES.

POUNDS IN THE HUNDRED												
In Fine Bone.	In Medium Bone.	Soluble.	Reverted.	Phosphoric Acid			Nitrogen	Equivalent to Ammonia.	Potash.		Relative Value per Ton.	Station Number.
				Available.	Insoluble.	Total.			From Muriate.	From Sulphate.		
				7.32	1.47	8.79	2.94	3.57		4.25	\$23.29	7585
				8.00		9.00	2.47	3.00		3.00	21.01	
				9.43	1.20	10.63	2.46	2.99		11.01	33.39	7586
				8.00		9.00	2.47	3.00		10.00	29.41	
				10.00	0.77	10.77				4.22	17.37	7587
				9.00						4.00	15.60	
				8.79	0.91	9.70				0.59	11.62	7588
				8.00						1.00	10.80	
				12.87	0.68	13.55					12.87	7589
				14.00							14.00	
				9.80	0.74	10.54					9.80	7590
				9.56	0.79	10.35					9.56	8337
				10.00							10.00	
				11.08	1.02	12.10	0.99	1.20		3.77	21.20	7591
				11.67	1.24	12.91	1.18	1.43		2.81	21.41	8338
				11.00			0.82	1.00		3.50	19.86	
6.03	15.51					21.54	4.19	5.09			26.70	7715
						20.00	3.29	4.00			21.87	
				10.23	2.03	12.26	1.66	2.02	1.84		19.91	7776
				10.00			1.65	2.00	2.00		18.95	
				8.84	1.13	9.97	1.77	2.15	1.81		18.18	7777
				8.00			1.65	2.00	2.00		16.55	
				12.81	3.19	16.00				2.12	18.77	7778
				12.00						2.00	16.40	
				10.53	2.02	12.55				2.08	15.53	7779
				10.00						2.00	14.00	
				15.55	2.05	17.60					15.55	7780
				14.00							14.00	
				10.48	0.91	11.39	1.60	1.94		2.56	20.81	7548
				8.00		9.00	0.41	0.50		2.50	14.23	

TABLE OF ANALYSES.

Station Number.	NAME AND ADDRESS OF MANUFACTURER AND NAME OF BRAND.	From Whom Obtained.
	The Hardy Packing Co.	
7549	Hardy's Potash Fertilizer	Manufacturer
7550	Hardy's Tob. & Potato Special	Manufacturer
8159		R. W. Duncan, White Mills.....
8190		Green Wilyard, East View
7551	Hardy's Southern Phosphate ...	Manufacturer
7682	Hardy's Crop Producer	Manufacturer
8340		F. W. Pirtle, Hartford.....
7633	Hardy's Bone Meal	Manufacturer
8158		R. W. Duucan, White Mills....
	The Jarecki Chemical Co., Sandusky & Cincinnati, Ohio.	
7674	Lake Erie Fish Guano.....	Manufacturer
7945		S. A. Mori, Fariston
7675	Number One Fish Guano	Manufacturer
8120		Edgar Goodman, Hardinsburg ..
7676	Fish & Potash Grain Special.....	Manufacturer
7677	C. O. D. Phosphate.....	Manufacturer
7678	Ground Bone	Manufacturer
8341		J. W. Kelley, Leitchfield
7679	St Bernard Phosphate.....	Manufacturer
8342		J. W. Kelley, Leitchfield
7680	Fish & Potash Potato & Tob. Food	Manufacturer
8119		Edgar Goodman, Hardinsburg...

TABLE OF ANALYSES.

POUNDS IN THE HUNDRED.												
In Fine Bone.	In Medium Bone.	Soluble.	Reverted.	Phosphoric Acid.			Nitrogen.	Equivalent to Ammonia.	Potash.		Relative Value per Ton.	Station Number.
				Available.	Insoluble.	Total.			From Muriate.	From Sulphate.		
				8.88	0.56	9.44	0.98	1.19		4.26	\$18.93	7549
				8.00		9.00	0.82	1.00		4.00	17.26	
				8.95	1.19	10.14	2.73	3.31		4.22	24.47	7550
				9.20	1.23	10.43	3.13	3.80	4.71		25.63	8159
				9.23	1.22	10.45	3.28	3.98	4.37		25.78	8190
				8.00		9.00	2.47	3.00		4.00	22.21	
				8.76	1.00	9.76					8.76	7551
				9.00		10.00					9.00	
				8.31	1.20	9.51	1.06	1.29		1.02	14.85	7682
				9.67	2.76	12.43	1.06	1.29		0.83	16.88	8340
				8.00		9.00	0.82	1.00		1.00	13.66	
17.18	5.72					22.90	2.55	3.10			24.82	7683
16.60	8.93					25.53	2.63	3.19			26.53	8158
						20.00	1.65	2.00			16.95	
				11.48	2.92	14.40	1.90	2.31	1.18		21.83	7674
				11.50	4.71	16.21	0.64	0.78	0.76		18.36	7945
				10.00		11.00	1.65	2.00	1.00		18.35	
				9.96	3.72	13.68	0.99	1.20	1.05		17.46	7675
				12.19	4.31	16.50	0.53	0.64	0.96		18.90	8120
				10.00		11.00	0.82	1.00	1.00		15.86	
				9.74	2.96	12.70	1.44	1.75	0.90	1.29	19.64	7676
				9.00		10.00	1.23	1.50	2.00		16.89	
				14.82	2.09	16.91					14.82	7677
				14.00		15.00					14.00	
						25.48	2.55	3.10			27.32	7678
21.91	3.57					26.20	2.41	2.93			26.93	8341
19.91	6.29					20.00	2.47	3.00			19.41	
				12.84	2.05	14.89					12.84	7679
				12.43	3.98	16.41					12.43	8342
				12.00		13.00					12.00	
				8.70	2.48	11.18	0.99	1.20	0.84	3.06	18.91	7680
				9.40	3.71	13.11	0.65	0.79	4.26		18.97	8119
				8.00		9.00	0.82	1.00		4.00	17.26	

TABLE OF ANALYSES.

Station Number.	NAME AND ADDRESS OF MANUFACTURER AND NAME OF BRAND.	From Whom Obtained.
7681 8348	The Jarecki Chemical Co. Dissolved Bone with Potash.....	Manufacturer J. W. Kelley, Leitchfield.....
7439 8344	J. B. Jones, Louisville, Ky. Tobacco & Potato Grower.....	Manufacturer I. K. Miller, Burdick.....
7440	Raw Bone Meal.....	Manufacturer
7441	Jones' Bone Meal	Manufacturer
7442 8345	Ammoniated Bone Meal.....	Manufacturer Sam Terry & Co., Grayson Springs.....
7443 8346	Corn Grower	Manufacturer I. K. Miller, Burdick.....
7444	Wheat Grower	Manufacturer
7626	The Jones Fertilizing Co., Cincinnati, O. Bone Meal.....	Manufacturer
7627	Ammoniated Bone Meal.....	Manufacturer
7628 8350	Tobacco & Potato Grower	Manufacturer Goldsborough & Co., Lagrange..
7629	Miami Valley Phosphate.. ..	Manufacturer
7630 8351	Jones' Reliable.....	Manufacturer J. W. Gilmore, Ringos Mill

TABLE OF ANALYSES.

POUNDS IN THE HUNDRED.												
In Fine Bone.	In Medium Bone.	Phosphoric Acid.					Nitrogen.	Equivalent to Ammonia.	Potash.		Relative Value per Ton.	Station Number.
		Soluble.	Reverted.	Available.	Insoluble.	Total.			From Muriate.	From Sulphate.		
				12.41	2.23	14.64				2.55	\$18.84	7681
				10.89	3.91	14.80				2.94	18.16	8343
				12.00		13.00			2.00		17.80	
				9.50	3.28	12.78	3.27	3.97		4.86	28.35	7439
				9.73	2.53	12.26	3.22	3.91		5.91	29.44	8344
				10.00		12.00	2.88	3.50		5.50	28.04	
15.68	6.40					22.08	3.88	4.71			28.02	7440
						21.50	3.50	4.25			23.40	
16.67	5.56					*22.23	2.72	3.30			24.84	7441
						20.00	2.47	3.00			19.41	
9.20	2.44					*11.64	3.17	3.85			18.33	7442
9.54	2.10					*11.64	2.44	2.96			16.21	8345
						15.00	2.06	2.50			15.18	
				7.31	3.17	10.48	2.98	3.62		1.67	20.98	7443
				7.97	2.64	10.61	2.45	2.97		1.61	19.90	8346
				9.00		11.00	2.47	3.00		1.50	20.81	
				7.89	3.34	11.23	2.52	3.06		1.49	20.16	7444
				9.00		11.00	1.70	2.06		2.00	19.10	
10.29	14.20					24.49	4.00	4.86			28.75	7626
						20.00	3.29	4.00			21.87	
				8.30	8.25	16.55	4.51	5.48			26.79	7627
				5.00		15.00	4.12	5.00			22.36	
				7.43	6.03	13.46	3.83	4.65		5.99	30.01	7628
				8.27	6.49	14.76	3.60	4.37		5.92	30.42	8350
				10.00		12.00	3.71	4.50		5.00	29.93	
				9.64	4.9	14.62	2.58	3.13		3.56	25.57	7629
				9.00		13.00	2.47	3.00		2.75	23.11	
				9.68	2.58	12.26	1.68	2.04		2.02	20.11	7630
				8.20	3.16	11.36	2.05	2.49		1.47	19.01	8351
				8.50		10.00	1.23	1.50		1.25	15.99	

* Contains Soluble Phosphoric Acid.

TABLE OF ANALYSES.

Station Number.	NAME AND ADDRESS OF MANUFACTURER AND NAME OF BRAND.	From Whom Obtained.
	The Jones Fertilizing Co.	
7631 8352	Jewel Phosphate	Manufacturer Goldsborough & Co., Lagrange.
7632	Acid Phosphate	Manufacturer
7633	Corn & Wheat Grower	Manufacturer
	The Loudenback Fertilizer Co., Urbana, O.	
7860 8353	Urbana Bone Phos. & Potash.....	Manufacturer J. L. Markwell, Foxport
	Louisville Fertilizer Co., Louis- ville, Ky.	
7476 8354	Special Tobacco Grower	Manufacturer Crowell-Nunn Co., Blackford ...
7477 7861	Special Corn Grower	Manufacturer J. E. Spillman, Arthur.....
7478 8355	High Grade Tob. & Potato Grow.	Manufacturer Crowell-Nunn Co., Marion.....
7479 8356	Eagle Phosphate	Manufacturer A. Blair & Son, Columbia.....
7480 8357	Dissolved Bone	Manufacturer. J. C. Rhoades, Hartford.. ..
7481 8358	Pride Tobacco Grower.	Manufacturer S. P. Simpson, Murray.....
7482 7936	Corn & Wheat Grower	Manufacturer Jacob Wirth, Hodgenville.....

TABLE OF ANALYSES.

POUNDS IN THE HUNDRED.												
In Fine Bone.	In Medium Bone.	Phosphoric Acid.					Nitrogen	Equivalent to Ammonia.	Potash.		Relative Value per Ton.	Station Number.
		Soluble.	Reverted.	Available.	Insoluble.	Total.			From Muriate.	From Sulphate.		
				10.39	1.71	12.10	0.90	1.09			\$15.85	7631
				10.43	2.48	12.91	0.95	1.15			16.36	8352
				8.00		10.00	0.82	1.00			12.86	
				10.62	0.79	11.41					10.62	7632
				8.00		10.00					8.00	
				11.24	1.28	12.52	1.07	1.30		1.55	19.07	7633
				9.00		10.00	0.82	1.00		1.00	14.86	
				10.13	2.37	12.50	1.44	1.75		1.56	19.30	7860
				10.60	1.30	11.90	1.70	2.06		1.47	20.10	8353
				9.00			1.23	1.50	2.00		16.49	
				9.42	0.64	10.06	0.80	0.97		1.85	16.18	7476
				8.31	2.79	11.10	1.33	1.61		1.53	16.92	8354
		5.00	3.00	8.00		9.00	0.82	1.00		1.50	14.26	
				9.21	0.49	9.70	0.46	0.56		1.62	14.57	7477
				9.50	0.68	10.18	0.49	0.59		1.32	14.72	7861
		5.00	3.00	8.00		9.00	0.41	0.50	1.50		12.73	
				8.43	1.05	9.48	1.62	1.97	1.08	3.60	20.80	7478
				9.04	1.55	10.59	1.51	1.83		4.06	20.87	8355
		4.00	3.00	7.00		8.00	1.65	2.00		4.00	18.55	
				9.13	0.77	9.90	0.49	0.59			12.74	7479
				8.65	1.30	9.95	0.49	0.59			12.37	8356
		5.00	3.00	8.00		9.00	0.41	0.50			11.23	
				8.74	0.52	9.26	0.31	0.38		1.09	12.94	7480
				7.96	0.56	8.52				0.77	10.69	8357
		4.00	3.00	7.00		8.00			1.00		9.80	
				10.03	0.24	10.27	0.45	0.55		1.67	15.49	7481
				9.28	0.72	10.00	0.59	0.72		1.54	15.05	8358
		5.00	3.00	8.00		9.00	0.41	0.50		1.50	13.03	
				11.92	0.50	12.42				0.60	15.22	7482
				12.37	0.86	13.23	0.19	0.23		0.37	16.19	7936
		6.00	4.00	10.00		11.00			0.50		12.90	

TABLE OF ANALYSES.

Station Number.	NAME AND ADDRESS OF MANUFACTURER AND NAME OF BRAND.	From Whom Obtained.
	Louisville Fertilizer Co.	
7483 8359	Soluble Bone	Manufacturer W. E. Ward & Co., Greensburg..
7484 8360	Eagle Tobacco Grower	Manufacturer
		D. H. Slaughter, Wingo.....
7485	Bone and Potash.....	Manufacturer
7486 8361	Bone Meal.....	Manufacturer
		Smith & Flora, Campbellsville..
	Meridian Fertilizer Factory, Meridian, Miss.	
7838 8363	Meridian Home Mixture	Manufacturer
		Goodwin & Carr, Somerset.....
	Michigan Carbon Works, Detroit, Mich.	
7495 7751	Homestead A Bone Black Fert...	Manufacturer
		Guy Lucas, Pewee Valley.....
7496 8364	Homestead Tobacco Grower.....	Manufacturer
		J. D. Jackson, Scottsburg.....
7497 8365	Homestead Potato & Tob. Fert ..	Manufacturer
		Hall & Son, Shelbyville.....
7498 7783	Red Line Crop Grower.....	Manufacturer
		Guy Lucas, Pewee Valley.....
7499 8366	Red Line Complete Manure	Manufacturer
		G. T. Mustain, Horse Cave.....
7500 8367	Red Line Phosphate.....	Manufacturer
		Pierce & Son, Marion.....

TABLE OF ANALYSES.

POUNDS IN THE HUNDRED.													
In Fine Bone.	In Medium Bone.	Phosphoric Acid.					Total.	Nitrogen.	Equivalent to Ammonia.	Potash.		Relative Value per Ton.	Station Number.
		Soluble.	Reverted.	Available.	Insoluble.	From Muriate.				From Sulphate.			
				9.37	0.58	9.95	0.86	1.04			1.81	\$16.22	7483
				10.19	0.88	11.07	0.68	0.83			1.23	16.10	8359
		5.00	3.00	8.00		9.00	0.82	1.00	1.50			13.96	
				9.88	0.65	10.53	2.38	2.89			6.78	27.40	7484
		5.00	3.00	8.00	0.52	9.52	2.35	2.85	1.28		4.55	24.80	8360
				9.00		9.00	2.47	3.00			6.00	24.61	
		5.00	3.00	8.00		9.62	0.47	0.57			1.62	14.47	7485
				9.08	0.54	9.62	0.47	0.57				12.73	
		5.00	3.00	8.00		9.00	0.41	0.50	1.50				
17.88	10.06					*27.94	0.50	0.61				21.84	7486
11.22	6.31					*17.53	2.87	3.48				21.38	8361
						20.00	0.82	1.00				14.46	
				10.17	0.58	10.75	2.36	2.87	3.60			23.11	7838
				9.94	0.60	10.54	2.35	2.85	4.03			23.25	8363
		7.00	2.00	9.00		10.00	2.25	2.73	2.25			20.20	
				7.82	3.90	11.72	2.00	2.43	1.39			18.33	7495
				8.43	3.26	11.69	2.40	2.91	1.73			20.35	7751
		5.00	3.00	8.00		9.00	2.06	2.50	1.50			17.68	
				11.82	0.96	12.78	2.76	3.35	3.08			25.92	7496
				11.20	1.09	12.29	3.04	3.69	2.81			25.81	8364
		8.00	2.00	10.00		11.00	2.88	3.50	3.50			24.54	
				8.25	3.67	11.92	2.21	2.68	3.08			21.08	7497
				10.12	3.03	13.15	2.56	3.11	3.18			24.21	8365
		5.00	3.00	8.00		9.00	2.06	2.50	3.00			19.18	
				7.66	3.20	10.86	1.79	2.17	1.59			17.43	7498
				8.71	2.79	11.50	1.73	2.10	1.64			18.40	7783
		5.00	3.00	8.00		9.00	1.65	2.00	2.00			16.95	
				8.52	2.88	11.40	0.84	1.02	1.10			14.99	7499
				9.24	1.89	11.13	0.95	1.15	0.94			15.64	8366
		5.00	2.00	7.00		8.00	0.82	1.00	1.00			12.26	
				15.35	0.95	16.30						15.35	7500
				13.85	2.10	15.95						13.85	8367
		10.00	4.00	14.00		15.00						14.00	

* Contains Soluble Phosphoric Acid.

TABLE OF ANALYSES.

Station Number.	NAME AND ADDRESS OF MANUFACTURER AND NAME OF BRAND.	From Whom Obtained.
	Michigan Carbon Works.	
7501 8368	Wolverine Ground Bone.....	Manufacturer Henry Brown, Munfordville.....
7502 8369	Desiccated Bone	Manufacturer Hatter & Berry, Franklin.....
	National Fertilizer Co., Nashville, Tenn.	
7732 8370	Tobacco Grower	Manufacturer J. W. Stringer, Franklin.....
7733 8371	Acid Phosphate.....	Manufacturer. Trunnell & Hackett, Livermore
7734	Acid Phosphate.....	Manufacturer
7735 8372	Corn Grower	Manufacturer C. W. Quiggins, Elizabethtown..
7736	National Dissolved Bone	Manufacturer
7737	Pea Grower.....	Manufacturer
7738 8373	Tennessee Guano	Manufacturer Woodson Lewis, Greensburg....
7739	Tobacco Fertilizer	Manufacturer
7740 8374	Sadler's Formula.....	Manufacturer Cartwright & Bro., Elkton.....
7741 8375	Acid Phosphate.....	Manufacturer E. S. Duiguid & Co., Murray....

TABLE OF ANALYSES.

POUNDS IN THE HUNDRED.												
In Fine Bone.	In Medium Bone.	Phosphoric Acid					Nitrogen.	Equivalent to Ammonia.	Potash.		Relative Value per Ton.	Station Number.
		Soluble.	Reverted.	Available.	Insoluble.	Total.			From Muriate.	From Sulphate.		
15.78	8.50					24.28	1.59	1.93			\$22.49	7501
14.88	9.12					24.00	1.51	1.83			21.90	8368
						25.00	1.65	2.00			19.95	
26.95	4.75					31.70	1.35	1.64			28.46	7502
23.17	6.92					30.09	1.71	2.08			27.82	8369
						25.00	1.23	1.50			18.69	
				11.27	1.52	12.79	1.77	2.15	2.16		21.60	7732
				10.32	7.32	17.64	1.40	1.70	1.42		20.93	8370
		6.00	4.00	10.00			1.65	2.00		2.00	19.35	
				12.54	2.84	15.38					12.54	7733
		8.00	4.00	11.90	8.52	20.42					11.90	8371
				12.00							12.00	
				9.62	13.25	22.87					9.62	7734
		7.00	3.00	12.00							10.00	
				11.11	3.15	14.26	1.03	1.25	0.54	0.46	18.77	7735
		6.00	4.00	11.18	5.49	16.67	0.52	0.63		1.41	18.87	8372
				10.00			0.82	1.00	1.00		15.46	
				10.75	3.53	14.28	0.98	1.19	0.56	0.45	18.35	7736
		6.00	4.00	10.00			0.82	1.00	1.00		15.46	
				10.01	11.26	21.27				1.67	18.18	7737
		6.00	4.00	10.00						2.00	14.00	
				8.95	3.25	12.20	1.89	2.29	2.13		19.84	7738
		5.00	3.00	9.49	7.61	17.10	1.29	1.57	2.53		20.83	8373
				8.00			1.65	2.00	2.00		16.55	
				10.86	1.61	12.47	2.21	2.68		2.91	23.79	7739
		6.00	4.00	10.00			2.06	2.50		3.00	21.78	
				12.66	3.36	16.02				1.84	18.37	7740
		8.00	4.00	11.20	10.69	21.89				1.00	18.72	8374
				12.00						2.00	16.40	
				14.66	1.74	16.40					14.66	7741
		8.00	6.00	15.96	0.47	16.43					15.96	8375
				14.00							14.00	

TABLE OF ANALYSES.

Station Number.	NAME AND ADDRESS OF MANUFACTURER AND NAME OF BRAND.	From Whom Obtained.
7471 8445	North-Western Fertilizing Co., Chicago, Ill. Horse Shoe Brand Fine R'w Bone	Manufacturer E. P. Barnes & Bro., Beaver Dam
7472 8446	H. S. B. Corn & Wheat Grower..	Manufacturer W. M. Lovell, Greenville.....
7473	H. S. B. Potato Grower.	Manufacturer
7474 8447	H. S. B. Tobacco Grower.....	Manufacturer
7500 8448	H. S. B. Quick Acting Phosph'te	Manufacturer
7507 8449	H. S. B. Bone & Potash	Manufacturer Franklin Hardware Co, Fr'nklin
7508 8450	H. S. B. Success Corn Grower....	Manufacturer
7509 8451	H. S. B. Cap Sheaf Wh't Gr'wer.	Manufacturer
7510 8452	H. S. B. Dark Tob. Grower.....	Manufacturer
7511 8453	H.S.B. Acidulated Bone & Potash	Manufacturer Kemp & Young, Columbia.....
7512 8454	H. S. B. Challenge Corn Grower	Manufacturer

TABLE OF ANALYSES.

POUNDS IN THE HUNDRED.												
In Fine Bone.	In Medium Bone.	Phosphoric Acid.					Nitrogen.	Equivalent to Ammonia.	Potash.		Relative Value per Ton.	Station Number.
		Soluble.	Reverted.	Available	Insoluble.	Total.			From Muriate.	From Sulphate.		
12.89	11.44						24.33	3.91	4.75		\$28.90	7471
15.57	9.15						24.72	3.61	4.41		28.84	8445
							22.00	3.21	4.00		23.07	
				7.93	2.97	10.90	1.71	2.15	1.65		17.67	7472
				8.18	2.62	10.80	1.76	2.14	2.18		18.33	8446
		5.00	3.00	8.00		10.00	1.65	2.00	2.00		17.35	
				8.29	2.61	10.90	3.48	4.22	4.35		25.78	7473
		5.00	3.00	8.00		10.00	3.29	4.00	3.50		23.77	
				8.52	2.60	11.12	3.51	4.26	4.22		26.01	7474
				10.36	1.27	11.63	3.44	4.18		3.32	27.24	8447
		5.00	3.00	8.00		10.00	3.29	4.00		3.50	24.47	
				8.79	5.83	14.62					8.79	7506
				10.51	2.83	13.34					10.51	8448
		8.00	2.00	10.00		12.00					10.00	
				10.77	1.05	11.82				1.20	14.78	7507
				9.62	1.98	11.60			2.02		14.35	8449
		7.00	3.00	10.00		12.00			2.00		14.80	
				8.71	2.70	11.41	0.83	1.01	1.11		15.13	7508
				8.52	2.48	11.00	1.27	1.54	0.86		15.88	8450
		4.00	3.00	7.00		8.00	0.82	1.00	1.00		12.26	
				8.14	2.67	10.81	0.81	0.98	1.12		14.39	7509
				8.44	2.28	10.72	0.94	1.14	0.95		14.81	8451
		4.00	2.00	7.00		8.00	0.82	1.00	1.00		12.26	
				7.79	2.57	10.36	0.81	0.98	1.13		13.94	7510
				8.13	2.42	10.55	1.20	1.46	0.93		15.26	8452
		4.00	3.00	7.00		8.00	0.82	1.00	1.00		12.26	
				10.94	1.97	12.91	1.11	1.35	0.77		18.02	7511
				10.41	2.06	12.47	1.09	1.32	1.03		17.61	8453
		7.00	3.00	10.00		12.00	0.82	1.00	1.00		16.26	
				7.85	3.89	11.74	2.15	2.61	1.53		18.96	7512
				8.74	2.11	10.85	2.73	3.31	1.43		20.95	8454
		5.00	3.00	8.00		10.00	2.47	3.00	1.50		19.31	

TABLE OF ANALYSES.

Station Number.	NAME AND ADDRESS OF MANUFACTURER AND NAME OF BRAND.	From Whom Obtained.
	North-Western Fertilizing Co.	
7513 8455	H. S. B. Kentucky Tob. Grower	Manufacturer W. M. Lovell, Greenville
7514 8456	H. S. B. Pure Ground Bone.....	Manufacturer E. P. Barnes & Bro., Beaver Dam
7515	H. S. B. Raw Bone & Phos. Mixt ..	Manufacturer
	The Ohio Farmers Fertilizer Co., Columbus, Ohio.	
7487 8459	Acid Phosphate	Manufacturer R. O. Mulligan, Scottsville
7488 7850	Soluble Bone & Potash	Manufacturer J. E. Richardson, Horse Cave...
7489 7935	General Crop Fish Guano.....	Manufacturer L. H. Girky, Nancy.....
7490 8460	Corn, Oats & Wheat Fish Guano	Manufacturer Martin & Gearlds, Horse Cave..
7491	Ammoniated Bone & Potash.....	Manufacturer
7492 8461	Tobacco Grower.....	Manufacturer Martin & Gearlds, Horse Cave..
7493 8462	Potato & Tobacco Special	Manufacturer Winter & Everett, Maysville
7494 8463	Fine Ground Bone Meal	Manufacturer G. W. Eskridge, Falls of Rough
	Packers Fertilizer Ass'n, Chicago	
7516 8464	Boar's Head Brand Sol. Phos.	Manufacturer Christmas & Hawley, Glasgow.

TABLE OF ANALYSES.

POUNDS IN THE HUNDRED.												
In Fine Bone.	In Medium Bone.	Phosphoric Acid.					Nitrogen.	Equivalent to Ammonia.	Potash.		Relative Value per Ton.	Station Number.
		Soluble.	Reverted.	Available.	Insoluble.	Total.			From Muriate.	From Sulphate.		
				8.02	3.83	11.85	2.17	2.63	1.53		\$19.19	7513
				8.65	1.19	9.84	2.71	3.29	1.56		20.55	8455
		5.00	3.00	8.00		10.00	2.47	3.00	1.50		19.31	
11.19	12.12					23.31	3.72	4.52			27.38	7514
15.83	6.46					22.29	2.50	3.04			24.04	8456
						20.00	2.47	3.00			19.41	
				8.82	7.29	16.11	2.79	3.39	0.94		22.81	7515
		4.00	3.00	7.00		13.00	2.47	3.00	0.50		18.71	
				8.63	1.02	9.65					8.63	7487
				11.58	1.70	13.28					11.58	8459
		6.00	3.00	9.00		10.00					9.00	
				7.96	0.92	8.88				2.08	12.42	7488
				8.87	1.52	10.39				1.57	12.82	7850
		6.00	2.00	8.00		10.00			2.00		12.40	
				8.31	1.20	9.51	0.98	1.19		1.06	14.66	7489
				7.52	1.82	9.34	0.63	0.76	1.67		13.31	7935
		6.00	2.00	8.00		10.00	0.82	1.00		1.0	14.06	
				10.14	1.32	11.46	1.61	1.95		2.60	20.65	7490
				8.83	2.25	11.08	1.10	1.34	2.06		16.86	8460
		6.00	2.00	8.00		10.00	1.23	1.50	1.00	1.00	16.29	
				8.45	1.02	9.47	1.02	1.24		4.16	18.60	7491
		6.00	2.00	8.00		10.00	0.82	1.00	3.00	1.00	17.06	
				10.22	1.20	11.42	1.63	1.98		2.49	20.62	7492
				8.96	2.49	11.45	1.07	1.30	2.02		16.98	8461
		6.00	2.00	8.00		10.00	1.23	1.50	1.00	1.00	16.29	
				8.62	1.22	9.84	2.68	3.25		4.12	23.81	7493
				9.02	0.83	9.85	1.55	1.88	3.70		19.50	8462
		6.00	2.00	8.00		10.00	2.47	2.00	2.00	2.00	22.21	
16.69	3.91					20.60	1.57	1.91			20.41	7494
14.80	7.29					22.09	1.38	1.68			20.35	8463
						20.00	1.65	2.00			16.95	
				8.52	6.23	14.75					8.52	7516
				10.18	2.57	12.75					10.18	8464
		8.00	2.00	10.00		12.00					10.00	

TABLE OF ANALYSES.

Station Number.	NAME AND ADDRESS OF MANUFACTURER AND NAME OF BRAND.	From Whom Obtained.
	Packers Fertilizer Association .	
7517	B. H. B. Chicago Bone Meal	Manufacturer
7518	B. H. B. World of Good Tobacco and Potato Grower.....	Manufacturer
8465		Christmas & Hawley, Glasgow..
7519	B. H. B. Potash Phosphate.....	Manufacturer
7520	B. H. B. Special Tobacco Grower.....	Manufacturer
7521	B. H. B. Ky. Potash Mixture	Manufacturer
8466		T. F. Nell, Somerset
7684	B. H. B. World of Good Super- phosphate	Manufacturer
8467		T. F. Nell, Somerset.....
	Read Phosphate Co., Nashville, Tenn.	
7533	Read's High Grade Tob. Grower	Manufacturer
8469		Hatter & Berry, Franklin
7534	Read's Blood & Bone No. 1.....	Manufacturer
8470		S. C. Mossbarger & Son, Stithton
7535	Read's Farmers' Special Manure	Manufacturer
8471		J. W. Bearce & Co., B'wl'g Green
7536	Read's Wheat Grower.....	Manufacturer
7537	Read's Corn Grower Special	Manufacturer
8472		S. C. Mossbarger & Son, Stithton

TABLE OF ANALYSES.

POUNDS IN THE HUNDRED.												Relative Value per Ton.	Station Number.
In Fine Bone.	In Medium Bone.	Phosphoric Acid.					Nitrogen.	Equivalent to Ammonia.	Potash.				
		Soluble.	Reverted.	Available	Insoluble.	Total.			From Muriate.	From Sulphate.			
12.45	10.60					23.05	3.82	4.64				\$27.78	7517
						20.00	2.47	3.00				19.41	
				8.75	2.37	11.12	3.68	4.47	4.23			26.72	7518
				8.36	2.55	10.91	3.38	4.10	3.32			24.51	8465
		5.00	2.00	8.00		10.00	3.29	4.00		3.50		24.47	
				10.92	0.54	11.46					3.72	17.78	7519
		8.00	2.00	10.00		12.00			4.00			16.80	
				8.08	3.06	11.14	1.80	2.19	1.69			18.01	7520
		5.00	3.00	8.00		10.00	1.65	2.00	2.00			17.35	
				10.90	1.01	11.91					1.32	15.06	7521
				13.16	1.19	14.35				0.96	0.83	18.23	8466
		8.00	2.00	10.00		11.00			2.00			14.40	
				7.77	2.61	10.38	1.72	2.09	1.86			17.38	7634
				8.74	3.59	12.33	2.04	2.48	1.52			19.57	8467
		5.00	3.00	8.00		10.00	2.06	2.50	1.50			18.08	
				10.16	1.23	11.39	1.43	1.74	3.91			20.91	7533
				9.26	3.56	12.92	1.71	2.08			4.12	22.72	8469
				8.00			1.65	2.00	4.00			18.55	
				8.28	1.28	9.56	2.15	2.61	2.16			19.06	7534
				9.59	5.13	14.72	1.39	1.69	1.10		0.94	19.96	8470
				8.00			1.65	2.00	2.00			16.55	
				10.74	1.89	12.63	1.09	1.32	3.31			20.23	7535
				12.42	3.01	15.43	0.71	0.86			1.95	20.57	8471
				10.00			0.82	1.00	3.00			17.46	
				10.72	2.41	13.13	1.78	2.16	2.29			21.45	7536
				10.00			1.65	2.00	2.00			18.95	
				10.61	3.21	13.82	0.86	1.04	1.28			17.87	7537
				10.31	4.07	14.38	1.04	1.26	1.55			18.67	8472
				10.00			0.82	1.00	1.00			15.46	

TABLE OF ANALYSES.

Station Number.	NAME AND ADDRESS OF MANUFACTURER AND NAME OF BRAND.	From Whom Obtained.
	Read Phosphate Co.	
7538	Read's Veg., Fruit & Vine Fert...	Manufacturer
7539 8473	Read's Alkaline Bone.....	Manufacturer G. B. Wilson & Bro., Scottsville
7540	Read's Wheat & Clover Grower..	Manufacturer
7541	Read's Special Potash Mixture..	Manufacturer
7542 8474	Read's XXX Dissolved Bone	Manufacturer Sam Terry & Co., Grayson Spgs..
	J. F. Singer & Co., Nashville, Tenn.	
7769	Singer's Tobacco Grower.....	Manufacturer
7770	Singer's Corn Grower.....	Manufacturer
	T. J. Smith, Spurlington, Ky.	
7768	Smith's Bone, Potash & Plant Food.....	Manufacturer
	Swift & Co., Chicago, Ill.	
7504 8476	Swift's Ky. Tobacco Grower	Manufacturer J. A. Justice, Providence
7505 8477	Swift's Special Tobacco Fert.	Manufacturer B. F. Beard & Co., Hardinsburg
7552	Swift's Garden City Phosphate...	Manufacturer
7553 8478	Superphosphate.....	Manufacturer B. F. Beard & Co., Hardinsburg
7554 8479	Potato & Tobacco Grower	Manufacturer J. A. Justice, Providence

TABLE OF ANALYSES.

POUNDS IN THE HUNDRED.													
In Fine Bone.	In Medium Bone.	Soluble.	Reverted.	Phosphoric Acid.			Nitrogen.	Equivalent to Ammonia.		Potash.		Relative Value Per Ton.	Station Number.
				Available.	Insoluble.	Total.		From Muriate.	From Sulphate.				
				7.18	3.99	11.17	1.58	1.92		7.70	\$24.20	7538	
				6.00			1.65	2.00	8.00		20.15		
				10.12	2.88	13.00				2.03	15.32	7539	
				10.00	2.81	12.81				1.82	14.94	8473	
				10.00						2.00	14.00		
				10.76	2.57	13.33	1.03	1.25	1.80		18.83	7540	
				10.00			0.82	1.00	2.00		16.46		
				10.53	3.43	13.96				4.75	18.75	7541	
				10.00						4.00	16.00		
				12.28	4.40	16.68					12.28	7542	
				13.46	3.39	16.85					13.46	8474	
				13.00							13.00		
				5.54	2.70	8.24	2.56	3.11	0.84	2.35	19.07	7769	
				10.00		15.00	2.47	3.00		3.00	25.01		
				5.35	3.22	8.57	2.19	2.66	0.66	1.47	16.70	7770	
				8.00		13.00	1.65	2.00		2.00	18.95		
				8.26	2.35	10.61	1.98	2.40	0.98	1.57	19.65	7768	
				8.00		11.00	1.65	2.00	2.00		17.75		
				10.25	0.51	10.76	2.14	2.60		2.34	21.73	7504	
				11.09	3.90	14.99	1.89	2.29		2.14	23.11	8476	
				10.00		13.00	1.65	2.00		2.00	20.55		
				10.20	0.37	10.57	2.94	3.57		3.42	25.31	7505	
				11.12	2.70	13.82	2.65	3.22		2.62	25.51	8477	
				10.00		13.00	2.47	3.00		3.00	24.21		
				13.92	2.99	16.91					13.92	7552	
				14.00		15.00					14.00		
				8.65	2.10	10.75	2.07	2.51		2.35	20.25	7553	
				10.12	3.52	13.64	1.44	1.75		1.27	19.39	8478	
		5.00	3.00	8.00		12.00	1.65	2.00		2.00	18.55		
				9.14	0.13	9.27	3.66	4.44		5.17	28.20	7554	
				10.07	2.30	12.37	3.20	3.88		5.63	29.36	8479	
		6.00	4.00	10.00		11.00	3.29	4.00		5.00	28.27		

TABLE OF ANALYSES.

Station Number.	NAME AND ADDRESS OF MANUFACTURER AND NAME OF BRAND.	From Whom Obtained.
	Swift & Co.	
7555 8480	Vegetable Grower.....	Manufacturer Max Weir & Co., Greenville ...
7556 8481	Phosphate & Potash	Manufacturer Max Weir & Co, Greenville ...
7557	Raw Bone Meal	Manufacturer
7558 8482	Bone Meal	Manufacturer..... W. T. Kirkman, Elkton
7559	Ammoniated Bone	Manufacturer
7560	Ammoniated Bone & Potash.....	Manufacturer.....
7561	Bone & Potash ...	Manufacturer.....
7562	Pure Acid Phosphate	Manufacturer.....
7563	Diamond S. Phosphate	Manufacturer
7703 8483	Complete Fertilizer	Manufacturer Carson & Co., Hartford
	Tennessee Chemical Co., Nashville, Tenn.	
7454 8492	Ox Alkaline Bone with Ammonia	Manufacturer Jno. H. Woosley, Caneyville
7455 8493	Ox Special Tobacco Guano	Manufacturer G. H. Bransford, Fulton
7456 8494	Ox Special Wheat & Corn Guano	Manufacturer..... Jno. H. Woosley, Caneyville ...

TABLE OF ANALYSES.

POUNDS IN THE HUNDRED.												
In Fine Bone.	In Medium Bone.	Phosphoric Acid.					Nitrogen.	Equivalent to Ammonia.	Potash.		Relative Value per Ton.	Station Number.
		Soluble.	Reverted.	Available.	Insoluble.	Total.			From Muriate.	From Sulphate.		
				9.55	0.77	10.32	3.70	4.49		9.91	\$34.76	7555
				8.31	1.75	10.06	3.36	4.08		10.87	33.79	8480
		5.00	4.00	9.00		10.00	3.29	4.00		10.00	33.07	
				14.07	1.23	15.30				1.56	19.24	7556
				11.82	6.32	18.14				1.82	18.89	8481
		5.00	7.00	12.00		13.00				2.00	17.20	
16.73	7.17					23.90	3.99	4.84			29.65	7557
						23.00	3.71	4.50			24.93	
23.97	1.26					25.23	2.71	3.29			28.07	7558
24.23	1.82					26.05	2.48	3.01			27.91	8482
						25.00	2.47	3.00			22.41	
13.96	1.72					15.68	6.03	7.32			30.29	7559
						17.00	4.94	6.00			25.02	
13.20	1.31					14.51	5.08	6.17		3.07	30.27	7560
						16.00	4.74	5.75		3.00	27.42	
23.30	2.03					25.33	2.43	2.95		3.02	30.77	7561
						23.50	2.47	3.00		3.00	25.11	
				17.61	0.63	18.24					17.61	7562
				16.00		17.00					16.00	
				10.67	2.15	12.82					10.67	7563
				10.00		11.00					10.00	
				7.78	2.51	10.29	1.31	1.59		1.20	15.71	7703
				10.81	3.98	14.79	1.32	1.60		1.10	19.84	8483
		5.00	3.00	8.00		11.00	1.03	1.25		1.00	15.09	
				11.79	1.30	13.09	0.59	0.72		1.50	18.24	7454
				11.29	3.97	15.26	0.57	0.69		0.80	17.81	8492
		8.00	2.50	10.50		11.50	0.41	0.50		1.00	15.43	
				11.83	1.82	13.65	1.63	1.98		2.26	22.53	7455
				11.26	2.97	14.23	1.80	2.19		1.72	22.16	8493
		6.00	4.00	10.00		11.00	1.65	2.00		2.00	19.75	
				13.00	1.69	14.69	0.94	1.14		2.14	21.67	7456
				12.40	2.71	15.11	0.96	1.17		1.04	20.09	8494
		9.00	3.00	12.00		13.00	0.82	1.00		1.00	18.46	

TABLE OF ANALYSES.

Station Number.	NAME AND ADDRESS OF MANUFACTURER AND NAME OF BRAND.	From Whom Obtained.
	Tennessee Chemical Co.	
7457 8495	Ox Potash Mixture.....	Manufacturer W. T. Kirkman, Elkton
7458 8496	Ox High Grade Dissolved Bone..	Manufacturer Durham & Wilson, Greensburg.
7459 8497	Ox Slaughter House Bone.....	Manufacturer Bassett & Stone, Leitchfield.....
7460 8498	Ox Alkaline Bone.....	Manufacturer Walton & Dickey, Cave City.....
7461 8499	Ox Bone with Ammonia & Potash	Manufacturer McElrath, Sexton & Co., Murray
7462	Ox Acid Phosphate.....	Manufacturer
7463	Ox Potash Formula	Manufacturer
7464	Ox High Grade Am'oniated Bone	Manufacturer
7752	Ox Special Truck Guano.....	Manufacturer
	Virginia-Carolina Chemical Co., S. W. Travers & Co., Branch, Richmond, Va.	
7430 8500	National Tobacco Fertilizer.....	Manufacturer Ovesen Burba Co., Hodgenville.
7431 8501	Beef, Blood & Bone Fertilizer....	Manufacturer I. B. Ware, Whitesville.....
7432 8502	Capital Bone Potash Compound..	Manufacturer Eldred & Co., Princeton.....

TABLE OF ANALYSES.

POUNDS IN THE HUNDRED.												
In Fine Bone.	In Medium Bone.	Phosphoric Acid.					Nitrogen.	Equivalent to Ammonia.	Potash.		Relative Value per Ton.	Station Number.
		Soluble.	Reverted.	Available.	Insoluble.	Total.			From Muriate.	From Sulphate.		
				11.45	9.01	20.46				1.90	\$19.62	7457
				11.36	2.26	13.62				2.20	17.17	8495
	6.00	4.00	10.00		11.00					2.00	14.80	
				14.11	2.03	16.14					14.11	7458
	8.00	6.00	14.00	16.71	1.48	18.19					16.71	8496
				8.93	2.00	10.93	1.63	1.98		2.65	19.59	7459
	6.00	2.00	8.00	9.86	1.77	11.63	1.78	2.16		2.29	20.63	8497
				8.00		9.00	1.65	2.00		2.00	17.35	
				13.38	5.96	19.34				1.92	20.74	7460
	9.00	3.00	12.00	14.00	5.04	19.04			0.92	0.91	20.83	8498
				12.00		13.00				2.00	17.20	
				10.98	1.74	12.72	0.88	1.07		1.51	18.33	7461
	6.00	4.00	10.00	11.84	2.21	14.05	1.60	1.94		2.11	22.42	8499
				11.00		11.00	0.82	1.00		1.00	16.06	
				12.31	1.47	13.78					12.31	7462
	8.00	4.00	12.00			13.00					12.00	
				10.34	1.24	11.58				4.10	17.83	7463
	7.00	3.00	10.00			11.00				4.00	17.20	
				11.81	2.02	13.83	1.61	1.95		2.29	22.56	7464
	6.00	4.00	10.00			11.00	1.65	2.00		2.00	19.75	
				11.40	0.92	12.32	3.19	3.87		3.29	27.57	7752
	8.00	2.00	10.00			11.00	3.29	4.00		4.00	27.07	
				8.25	1.09	9.34	1.87	2.27		4.11	20.88	7430
	5.00	2.00	7.00	6.21	2.55	8.76	1.64	1.99	2.88	1.56	18.14	8500
				7.00		8.00	1.65	2.00		4.00	18.55	
				8.10	1.28	9.38	1.97	2.39	2.48		18.62	7431
	5.00	2.00	7.00	7.48	2.35	9.83	1.22	1.48	2.16		15.74	8501
				7.00		8.00	1.65	2.00	2.00		15.75	
				11.04	0.52	11.56				2.07	15.53	7432
	7.00	3.00	10.00	9.81	1.04	10.85				1.70	13.89	8502
				11.00		11.00				2.00	14.40	

TABLE OF ANALYSES.

Station Number.	NAME AND ADDRESS OF MANUFACTURER AND NAME OF BRAND.	From Whom Obtained.
	Virginia-Carolina Chemical Co.	
7433	Capital Dissolved S. C. Bone	Manufacturer
8503		Ham & Co., Scottsville.....
7434	Champion Corn & Wheat Grower	Manufacturer
8504		Ovesen Burba Co., Hodgenville..
	Wake Fert. Co., Adairville, Ky.	
7663	Old Kentucky Wheat Grower.....	Manufacturer
8505		P. L. Doss, Franklin
7664	Old Kentucky Tobacco Grower ..	Manufacturer
8506		Mfrs. Warehouse.....
	Walker, Stratman & Co., Pittsburg, Pa.	
7771	Four Fold	Manufacturer
7772	Grain King.....	Manufacturer
7773	Big Bonanza.....	Manufacturer
7774	Phosphoric Acid & Potash.....	Manufacturer
7775	Pure Raw Bone Meal.....	Manufacturer
	Wood, Stubbs & Co., Louisville, Ky.	
7692	Acme Br. Wheat & Corn Fert. ...	Manufacturer
7693	A. B. Blood, Bone & Potash.....	Manufacturer
7694	A. B. Potato & Tobacco	Manufacturer
7695	A. B. High Grade Vegetable.....	Manufacturer

TABLE OF ANALYSES.

POUNDS IN THE HUNDRED.												Relative Value per Ton.	Station Number.
In Fine Bone.	In Medium Bone.	Phosphoric Acid					Nitrogen.	Equivalent to Ammonia.	Potash.				
		Soluble.	Reverted.	Available.	Insoluble.	Total.			From Muriate.	From Sulphate.			
				12.07	1.91	13.98						\$12.07	7433
				13.17	5.62	18.79						13.17	8503
		9.00	3.00	12.00		13.00						12.00	
				9.45	0.67	10.12	0.97	1.18	2.27			16.79	7434
				7.88	1.68	9.56	0.90	1.09	1.54			14.37	8504
		6.00	2.00	8.00		9.00	0.82	1.00	2.00			14.46	
				8.39	2.96	11.35	2.21	2.68		4.71		23.53	7663
				8.16	3.10	11.26	2.14	2.60		4.60		22.97	8505
				8.00			2.00	2.43		4.00		20.40	
				6.53	2.49	9.02	3.48	4.22		7.98		28.86	7664
				5.73	2.60	8.33	3.32	4.03		6.79		26.03	8506
				6.00			3.00	3.64		7.00		24.60	
				8.85	2.55	11.40	2.11	2.56	2.79			20.76	7771
		4.00	4.00	8.00		9.00	1.65	2.00	2.00			16.95	
				10.91	1.28	12.19	1.20	1.46	4.96			22.16	7772
		4.50	4.50	9.00		10.00	0.82	1.00	4.00			17.66	
				10.31	2.52	12.83	2.05	2.49	4.96			24.49	7773
		4.00	5.00	9.00		10.00	1.65	2.00	4.00			20.15	
				12.43	0.27	12.70				2.84		17.87	7774
		5.50	4.50	10.00		11.00				2.00		14.40	
19.00	5.36					24.36	3.70	4.49				29.52	7775
						22.00	3.29	4.00				23.07	
				11.89	0.79	12.68	1.00	1.21		2.41		20.48	7692
				10.00			0.82	1.00	2.00			16.46	
				11.48	1.47	12.95	1.71	2.08		2.16		22.09	7693
				10.00			1.65	2.00	2.00			18.95	
				10.83	1.54	12.37	2.44	2.96		4.76		26.65	7694
				8.00			2.47	3.00		5.00		23.01	
				11.37	0.74	12.11	2.47	3.00		5.51		27.96	7695
				10.00			3.29	4.00	4.00			25.87	

TABLE OF ANALYSES.

Station Number.	NAME AND ADDRESS OF MANUFACTURER AND NAME OF BRAND.	From Whom Obtained.
7696	Wood, Stubbs & Co. A. B. Soluble Bone & Potash	Manufacturer
7697	A. B. Pure Raw Bone Meal.....	Manufacturer
7698	A. B. Pure Ground Steamed Bone Meal.....	Manufacturer
7699	A. B. Special Trucker's Fert.....	Manufacturer

TABLE OF ANALYSES

POUNDS IN THE HUNDRED.													
Phosphoric Acid.										Potash.		Relative Value per Ton.	Station Number.
In Fine Bone.	In Medium Bone.	Soluble.	Reverted.	Available.	Insoluble.	Total.	Nitrogen.	Equivalent to Ammonia.	From Muriate.	From Sulphate.			
				11.07 10.00	0.78	11.85			2.00	0.76	\$14.50 14.00	7696	
20.13	5.35					25.48 23.00	3.72 3.29	4.52 4.00			30.47 23.67	7697	
25.76	3.51					29.27 28.00	1.72 2.06	2.09 2.50			27.88 22.98	7698	
				10.16 8.00	0.88	11.04	2.80 2.47	3.40 3.00	1.10 2.00	1.52	23.86 19.01	7699	

M. A. SCOVELL, Director.
 A. M. PETER, }
 H. E. CURTIS, } Chemists.

September, 1901.

The following is a list of Bulletins issued by the Kentucky Agricultural Experiment Station since its organization. Those marked with a star * are out of print:

- *No. 1.—Do Fertilizers Affect the Quality of Tobacco? Dec. 23, 1885.
- “ 2.—Corn Fodder as Food for Stock. Jan. 4, 1886.
- * “ 3.—Milk.
- * “ 4.—Distillery Slop.
- * “ 5.—Analyses of Feeding-Stuffs.
- “ 6.—Clover.
- * “ 7.—Fertilizers.
- * “ 8.—Experiments with Wheat. Sept. 25, 1886.
- “ 9.—Experiments with Potatoes. March 1, 1887.
- * “ 10.—Fertilizer Analyses. May, 1887.
- “ 11.—Wheat Experiments. September, 1887.
- * “ 12.—Fertilizer Analyses. Dec. 31, 1887.
- “ 13.—Commercial Fertilizers. April, 1888.
- “ 14.—Analyses of Commercial Fertilizers. July, 1888.
- “ 15.—Wheat Experiments. September, 1888.
- * “ 16.—Potato Experiments. December, 1888.
- “ 17.—Corn Experiments. February, 1889.
- “ 18.—1. Hemp Experiments. 2. Notes on the Treatment of an old Apple Orchard. April, 1889.
- “ 19.—Experiments in Pig Feeding. May, 1889.
- “ 20.—Commercial Fertilizers. July, 1889.
- * “ 21.—Wheat Experiments. The Grain Louse. September, 1889.
- “ 22.—Potato Experiments. December, 1889.
- “ 23.—1. Experiments With Oats. 2. Tests of Fertilizers on Meadow Land. February, 1890.
- “ 24.—Broom-Rape of Hemp and Tobacco. March, 1890.
- “ 25.—Strawberries. April, 1890.
- “ 26.—Corn Experiments. April, 1890.
- “ 27.—Experiments with Commercial Fertilizers on Hemp. April, 1890.
- “ 28.—Tobacco Experiments. May, 1890.
- “ 29.—Commercial Fertilizers. July, 1890.
- “ 30.—Wheat Experiments. A new Wheat Insect. August, 1890.
- “ 31.—Some Strawberry Pests. December, 1890.
- “ 32.—Strawberries. Vegetables. March, 1891.
- “ 33.—Corn Experiments. April, 1891.
- “ 34.—Commercial Fertilizers. August, 1891.
- “ 35.—1. Experiments with Wheat. 2. Experiments with Oats. September, 1891.
- * “ 36.—Commercial Fertilizers. December, 1891.
- “ 37.—Experiments with Potatoes. December, 1891.
- “ 38.—1. Vegetables. 2. Strawberries. March, 1892.
- “ 39.—Marls. March, 1892.

- No. 40.—Some Common Pests of the Farm and Garden. March, 1892.
- “ 41.—Commercial Fertilizers. July, 1892.
- “ 42.—1. Experiments with Wheat. 2. Experiments with Oats. September, 1892.
- “ 43.—Commercial Fertilizers. December, 1892.
- “ 44.—Bordeaux Mixture for Apple Pests. January, 1893.
- “ 45.—Field Experiments with Fertilizers. 1. Corn. 2. Potatoes. 3. Tobacco. April, 1893.
- “ 46.—Commercial Fertilizers. August, 1893.
- “ 47.—1. The Pests of Shade and Ornamental Trees. 2. An Experiment on Plum Rot. December, 1893.
- “ 48.—Commercial Fertilizers. January, 1894.
- “ 49.—1. Destructive Locusts in Kentucky. 2. The Bud-Worm of Tobacco. March, 1894.
- “ 50.—1. Fruit Growing in Kentucky. 2. Notes upon Vegetables. April, 1894.
- “ 51.—Commercial Fertilizers. August, 1894.
- “ 52.—Commercial Fertilizers. 1. Official Analyses. 2. Analyses of Farmers' Samples and Samples Collected by Deputy Inspectors. December, 1894.
- “ 53.—1. Spraying for Codling Moth. 2. The use of Arsenites on Tobacco. 3. The use of Bisulphide of Carbon and Hydrocyanic Acid Gas on Low growing Plants. December, 1894.
- “ 54.—Notes on Vegetables. March, 1895.
- “ 55.—Field Experiments with Fertilizers. 1. Corn. 2. Potatoes. 3. Tobacco. 4. Hemp. April, 1895.
- “ 56.—Analyses of Commercial Fertilizers. August, 1895.
- “ 57.—1. Wheat Experiments. 2. Oat Experiments. September, 1895.
- “ 58.—Cut Worms in Kentucky. November, 1895.
- “ 59.—Spraying Experiments in 1895. December, 1895.
- “ 60.—Analyses of Commercial Fertilizers. 1. Official Analyses. 2. Analyses of Farmers' and Inspectors' Samples. December, 1895.
- “ 61.—Potatoes. 1. Experiments with Fertilizers. 2. Insects and Fungus Pests. 3. Tests of Varieties. March, 1896.
- “ 62.—Strawberries. March, 1896.
- “ 63.—Tobacco. May, 1896.
- “ 64.—Analyses of Commercial Fertilizers. July, 1896.
- “ 65.—Analyses of Commercial Fertilizers. 1. Official Analyses. 2. Analyses of Other Samples. December, 1896.
- “ 66.—Tobacco. February, 1897.
- “ 67.—The San Jose Scale in Kentucky. May, 1897.
- “ 68.—Analyses of Commercial Fertilizers. May, 1897.
- “ 69.—Wheat. 1. Test of Varieties. 2. Test of Fertilizers. 3. Descriptions of Varieties. 4. Treatment for Smut. September, 1897.

- No. 70.—1. The Woolly Mullein. 2. The Gape Disease of Poultry. December, 1897.
- “ 71.—Analyses of Commercial Fertilizers. 1. Official Analyses. 2. Analyses of Other Samples. December, 1897.
- “ 72.—Potatoes. 1. Experiments with Fertilizers. 2. Corrosive Sublimate and Sulphur for Potato Scab in 1896. 3. Corrosive Sublimate for Potato Scab in 1897. February, 1898.
- “ 73.—Strawberries. February, 1898.
- “ 74.—1. The Chinch Bug. 2. Earthworms a Source of Gapes in Poultry. May, 1898.
- “ 75.—Commercial Fertilizers. June, 1898.
- “ 76.—Commercial Fertilizers. August, 1898.
- “ 77.—Wheat. 1. Test of Varieties. 2. Test of Fertilizers. 3. Notes and Descriptions. 4. Red Rust of Wheat. September, 1898.
- “ 78.—Ginseng, its Nature and Culture. November, 1898.
- “ 79.—Commercial Fertilizers. December, 1898.
- “ 80.—1. Some Pests Likely to be Disseminated from Nurseries. 2. The Nursery Inspection Law. March, 1899.
- “ 81.—1. A Method of Avoiding Lettuce Rot. 2. Potato Scab Experiments. March, 1899.
- “ 82.—Commercial Fertilizers. July, 1899.
- “ 83.—Wheat. 1. Experiments with Fertilizers. 2. Variety Tests. 3. Notes and Descriptions. August, 1899.
- “ 84.—The Elms and Their Diseases. November, 1899.
- “ 85.—Commercial Fertilizers. December, 1899.
- “ 86.—Inspection and Analyses of Foods. January, 1900.
- “ 87.—1. Kentucky Forage Plants—The Grasses. 2. Analyses of Some Kentucky Grasses. May, 1900.
- * “ 88.—Commercial Fertilizers. August, 1900.
- “ 89.—Wheat. 1. Test of Varieties. 2. Test of Fertilizers. 3. Descriptions of Varieties. September, 1900.
- * “ 90.—Commercial Fertilizers. December, 1900.
- “ 91.—1. Enemies of Cucumbers and Related Plants. 2. Experiments with Potato Scab. 3. The Food of the Toad. March, 1901.
- “ 92.—Grapes. April, 1901.
- “ 93.—1. Diseases of Nursery Stock. 2. Rabbits and Their Injuries to Young Trees. June, 1901.
- “ 94.—Wheat. 1. Test of Varieties. 2. Descriptions of Varieties. September, 1901.
- “ 95.—Commercial Fertilizers. September, 1901.