

ALABAMA

Agricultural Experiment Station

OF THE

AGRICULTURAL AND MECHANICAL COLLEGE,

AUBURN.

COMMERCIAL FERTILIZERS

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A. ROEMER,
PRINTER FOR STATE OF ALABAMA,
MONTGOMERY, ALA.
1901.

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The Bulletins of this Station will be sent free to any citizen of the State on application to the Agricultural Experiment Station, Auburn, Alabama.

*To be filled.

AUBURN, ALA., July 24, 1901.

HON. R. R. POOLE,

Commissioner of Agriculture,
Montgomery, Alabama.

DEAR SIR:

I have the honor to submit herewith, in tabulated form, a report of the results of analyses of commercial fertilizers and miscellaneous fertilizing materials for the year ending July 1st.

A large majority of these samples were forwarded to this laboratory through your office, and certificates of analysis were furnished you from time to time as the work was finished. A large number, however, were sent direct to us from dealers and consumers, and in all these cases certificates of analysis were sent direct to the parties.

In addition to the analysis reported in this bulletin, analyses, both quantitative and regulative, of various miscellaneous substances—ores, marls, minerals, waters, dairy products, &c.—have been made for parties from all sections of the State, and have been reported from time to time.

As an introduction to the tables, I respectfully submit a few observations on "Fertilizers—their selection and use," which, it is hoped, will prove of some practical value to the farmers who receive this bulletin.

Very respectfully,

JAS. T. ANDERSON,
Acting State Chemist.

Fertilizers--Their Selection and Use.

Few farmers need be reminded of the necessity of applying fertilizers in some form to their soils in order to maintain their fertility and to increase their crop producing power. The question is not "Shall I fertilize?" but rather "What fertilizers shall I use?" It is proposed in this brief discussion to offer a few suggestions which it is hoped, will be of some value in this connection. These must be taken as suggestions merely, and not as absolute guides in solving the problem. In the present state of knowledge of the science of agriculture, it is impossible to state any general principle of soil fertilization which will be of universal application, so complex are the conditions and requirements to be considered. The character of the soil and the method of its cultivation, the crop to be grown, the season—all these are to be considered in devising any rational system of fertilization.

A soil is fertile when it contains all the materials nec-

essary for plant growth in the required quantity and in the proper form. A soil which is lacking in any of these materials, or which does not have them in the proper form, is in no condition to produce a full crop, and must have the deficient material supplied in the proper amount and form in order to make it productive. As has frequently been stated in these bulletins, there are about a dozen constituents of the soil that are required for plant nutrition. Most of these are found in such quantity in the soil, or are in such little demand by the plant, that the supply of them in the soil is not likely to be exhausted by years of cultivation. Three of the constituents, however, nitrogen, phosphoric acid and potash, are in such demand by the plant that their supply is readily exhausted, and it is necessary to restore these exhausted constituents to the soil in order to make it fertile. For the present, then, soil fertilization consists in restoring to the soil nitrogen, phosphoric acid and potash in such quantities in assimilable form as may be required for the proper nutrition of the growing crop. The rational course, therefore, to pursue with reference to a given soil is first to determine its deficiency in these three constituents and then to supply the deficiency in proper form.

It is not an infrequent occurrence for this department to receive a sample of soil with the request to tell what it needs for its proper fertilization. The correspondent is acting on the hypothesis that a chemical analysis of a soil will determine its fertilizer requirements. Unfortunately it will not do so satisfactorily. The chemist can easily determine what constituents are present in the soil and in what quantities, but he cannot so readily determine whether these constituents are present in assimilable form, and if they are not present in assimilable form, they might as well be absent altogether, as far as

the present needs of the growing plant are concerned. Many agricultural chemists, in this and other countries, are seeking to discover methods for determining available or assimilable plant food in soils, but at present there is no such method known which is satisfactory and which admits of universal application.

If chemical analysis fails to answer the question, it may be asked, is there not some way by which the solution may be found? In answer let us quote the language of Dr. Armsby of the Pennsylvania station: "The most satisfactory, and, indeed, usually the only method by which we can at present determine the needs of the soil is to ask the question of the soil itself by growing a crop upon it with different kinds of fertilizers and noting the results. Such soil tests with fertilizers have in many cases given results of much immediate practical value for the locality in which they were undertaken."

On this plan have been conducted for several years the Cooperative fertilizer tests for cotton under the direction of Professor Duggar of the Agricultural Experiment Station of this State, and much valuable information has been accumulated thereby. It would be highly advantageous to the agricultural interests of the State if this work could be greatly extended beyond its present limits. It seems to the writer quite feasible for each intelligent farmer to conduct the experiments for himself and thus secure data that would be highly useful to him. At first glance they may seem complicated and expensive, but in reality they are neither so difficult nor so expensive as they seem. For the benefit of any farmers who may desire to make them the following suggestions are offered:

Select ground that represents fairly as large an area of the farm, and whose soil is as uniform in character as

possible. A long strip of land is likely to be more representative in character than a square piece, as it will contain more of the inequalities of the soil, and for this reason is to be preferred for the purpose of these experiments. The land should be as level as possible, and if not level, the plots should be so located that the fertilizers cannot be carried by rain from one plot to another. No part of the strip should be shaded by trees. A convenient size would be 33 feet wide by 416 feet long divided into 6 equal plots each 66 feet long, with a path 4 feet wide between the plots. Each plot, therefore, would be 33x66 feet and measuring exactly one-twentieth of an acre. Each plot should be separated from its neighbor plots, as well as from adjacent cultivated ground, by a 4 ft. path, so that the roots of the plants grown on it can get no fertilizer that is not intended for them. Of course these paths or borders should be kept reasonably free from grass and weeds, which would otherwise feed upon the fertilizers intended for the plants in the plots. Having divided up the plots as indicated and marked them by numbers from 1 to 6 inclusive, prepare the soil thoroughly in the usual way, after applying the fertilizers broadcast as follows :

Plot 1.	No fertilizer.	
Plot 2.	Nitrate of soda	20 lbs.
	Acid phosphate	60 "
Plot 3.	Nitrate of soda	20 "
	Muriate of potash	16 "
Plot 4.	Acid phosphate	60 "
	Muriate of potash	16 "
Plot 5.	Nitrate of soda	20 "
	Acid phosphate	60 "

Muriate of potash.....16 lbs.

Plot 6. No fertilizer.

The acid phosphate in these experiments should contain not less than 8 to 10 % of available phosphoric acid. If cotton is to be used in the experiment, use kainit in the place of muriate potash, taking 48 lbs. If legumes, such as clover, peas, beans or vetch, are to be used, cut the amount of nitrate of soda one-half. It is recommended that that crop be used in the experiments which is to be grown in the field the following season, in order that the results of the experiment may be directly applicable. In planting care should be taken to have the plants uniformly distributed over the plots, and as nearly as possible the same number of plants in each plot. The plots should be treated alike in all respects as to the time and manner of cultivation, and in passing from one plot to another, extreme care should be taken not to mingle the soil from one with that of another. This last caution is particularly applicable, when the plow is used in the cultivation. The harvest from each plot should be accurately weighed and the weights recorded. The importance of keeping a full and accurate record for each plot—the kind and amount of fertilizer used, the system of cultivation, and the harvest yield—cannot be too strongly urged. It will be observed that plots 1 and 6 have no fertilizer. These are check plots and are designed to show what the unfertilized soil can do. They will be especially useful in comparatively new soil or in soil that has been previously fertilized, but they should in no case be omitted.

If these experiments have been properly conducted, reasonable inferences may be drawn from a study of the results as to the fertilizer needs of the soil. Too much importance cannot be attached to the conscien-

tious carrying out of every detail. The experiments should be under the personal direction of the farmer himself, and where any part of the labor must be done by another, the most intelligent and reliable laborer should be selected for that purpose.

It is realized that but few farmers are likely to be induced to undertake these experiments, and in the absence of other means of determining the specific needs of the soil, most farmers must assume that all the constituents are needed and must supply them in such amount and in such form as the general considerations of the soil, season and crop may seem to require. So varied are these conditions that it would be impossible to give specific instructions as to methods of fertilization. A few general principles, however, as to the needs of special crops may be stated, which, it is hoped, will serve a useful purpose.

Cotton is a crop that responds promptly and profitably to judicious fertilization, and experience teaches that concentrated complete fertilizers should be used. The profit from manuring with concentrated fertilizers is greatly enhanced by properly preparing the soil in advance. It is profitable to bring the soil into a state of good "tilth" by proper cultivation, and particularly by incorporating into it liberal quantities of organic matter. This may be done by turning under leguminous crops (like the cowpea) or barnyard manure before planting. The complete fertilizer, applied in the drill, should contain a liberal amount of "available phosphoric acid." Any of the soluble salts of potash are good, though kainit is preferred, as it is believed to be useful in preventing "blight." Of nitrogen compounds the organic forms (cotton seed meal, dried blood, tankage, &c.) are deemed to be best suited for cotton, though nitrate of soda

is excellent, especially in soils rich in organic matter. The proper proportions of available phosphoric acid, potash and nitrogen in a complete fertilizer for cotton cannot be said to have been determined with accuracy. As a result of numerous experiments at several of the agricultural experiment stations, 600 to 700 lbs. per acre of a fertilizer running 9% available phosphoric acid, 3% potash and 3% nitrogen is to be recommended.

For cereals and grasses nitrogen has been considered the dominant constituent. This arises from the fact that a top dressing of nitrate of soda at the season when there is a rapid development of stem and leaf, results in a largely increased crop. This occurs, however, only in soils which have a plentiful supply of the mineral constituents, phosphoric acid and potash. It is recommended, therefore, to use at the time of sowing a fertilizer containing a liberal amount of phosphoric acid and potash with a limited supply of nitrogen, and shortly before the maturity of the plant top dress with nitrate of soda.

The Legumes (clovers, peas, beans, vetches, &c.) are crops that do not depend solely on the soil for their nitrogen, but which, under favorable conditions, have the power of drawing at least a part of their nitrogen supply from the atmosphere. To this fact is due their superior excellence as soil renovators, since their growth upon a soil must result in its enrichment in the most costly of the fertilizer constituents, nitrogen. In fertilizing legumes, then, provide a liberal supply of the mineral constituents and a minimum of nitrogen. They seem to require potash in great abundance, Lime, also, is needed to correct a tendency to acidity in the soil which is hurtful to the growth of the bacteria so essential in order that the plant may acquire its nitrogen from

the atmosphere. 25 bushels of stone lime per acre, every 4 or 5 years, is recommended for average soils which are used for the frequent growth of legumes.

Root and Tuber Crops require an abundance of all the fertilizing constituents in readily available forms, but they differ widely as to their special needs. In one group may be placed *beets, carrots and mangels*. They require a liberal supply of readily soluble phosphoric acid and nitrogen, and in light, sandy soils the addition of a little potash is advisable. In clay soils they seem to be able to get most of the potash they require from the soil. *Turnips* respond most liberally to applications of available phosphoric acid, while they seem able to extract this constituent from sources not readily accessible to other plants. A liberal supply of nitrogen, also, especially during early growth, is desirable. While the turnip is a voracious feeder on potash compounds, it seems able to obtain this constituent from the natural soil supply, though it should not be required to depend solely on this supply. *Potatoes*, both irish and sweet, require a large amount of potash, which should be in the form of sulphate rather than of muriate. The nitrogen may be mostly in organic forms, though the nitrate of soda or sulphate of ammonia is recommended for the early irish potato. The phosphoric acid in moderate amount should be available.

Fruit Crops differ from the others that we have considered in that they are produced by perennial plants instead of by annuals, and hence they require a different sort of fertilization. As the plants grow slowly, fertilizing materials which give up their constituents slowly are better, perhaps, than those whose constituents are more readily available. Fertilizers of the latter class, however, may supplement those of the former with advantage at such times as there is a rapid devel

opment of leaf and fruit. Perhaps the best fertilizer for fruit trees is a mixture of ground bone 3 parts and muriate of potash two parts. An excess of nitrogen must be avoided, as this causes a too rapid growth of both wood and fruit, the latter ripening poorly under such conditions. All fertilizers for fruit crops should be worked well into the soil.

CALCULATION OF COMMERCIAL VALUES OF FERTILIZERS.

The schedule of valuations in force this season is as follows :

Nitrogen.....	14	cents per pound.
Water soluble phosphoric acid.....	5	“ “ “
Citrate soluble.....	5	“ “ “
Potash.....	5	“ “ “

To compute the commercial value of fertilizers according to this scale, the valuation per ton of water soluble and citrate soluble phosphoric acid and potash is obtained by multiplying the per cent of those constituents by \$1 00, while the value of the nitrogen per ton is ascertained by multiplying the per cent. of that element by \$2.80.

Take for example a fertilizer containing

7.50 per cent. of water soluble phosphoric acid.
2.00 “ “ “ citrate soluble “ “
1.25 “ “ “ potash.
2.50 “ “ “ nitrogen.

the commercial value per ton would be :

For the water soluble phosphoric acid	7.50x1.00	-\$7.50
“ “ citrate soluble “	2.00x1.00	\$2.00
“ “ potash	2.00x1.00	-\$2.00
“ “ nitrogen	2.50x2.80	-\$7.00
Total		<u>\$17.75</u>

Analyses Reported by the State Chemist from July 1, 1900, to July 1, 1901.

ACID PHOSPHATES WITH NITROGEN AND POTASH.

Station No.	NAME OF SAMPLE.	BY WHOM SENT.	PHOSPHORIC ACID.			Nitrogen.	Potash.	Commercial Value.
			Water Soluble.	Citrate Soluble.	Acid Soluble.			
6200	Alabama Phosphate (So called).....	N. M. Rhodes M. & M. Co., Shell, Ala..	5.90	5.13	2.42	1.56	1.15	\$16.55
(66) 6201	Alabama Fertilizer.....	“ “ “ “ “ “ “	6.90	2.35	1.80	1.96	2.76	17.50
6208	Dale County Standard Guano.....	Ozark C. S. O. M. & F. Co., Ozark, Ala.	8.75	3.17	1.08	1.64	3.25	19.76
6209	Ozark H. G. Guano.....	“ “ “ “ “ “ “	9.65	2.53	1.20	1.22	2.95	18.55
6210	Guano No. 3.....	“ “ “ “ “ “ “	9.70	2.39	1.26	1.24	2.52	18.08
6224	B'ham Dis. Bone Am. and Potash...	Birmingham Fert. Co., Birmingham, Ala.	10.00	3.38	.37	.99	1.05	17.20
6225	B'ham H. G. Blood, Bone & Potash.	“ “ “ “ “ “	10.23	3.35	.37	1.87	2.22	21.04
6229	Dale Co. Standard Guano.....	Ozark C. S. O. M. & F. Co., Ozark, Ala..	6.35	4.48	.50	2.36	4.11	21.55
6230	No. 2 Ozark Guano.....	“ “ “ “ “ “ “	7.45	5.78	.91	1.32	7.84	22.77
6231	Hemes Special Guano No. 1.....	Helm Bone Fert. Co., Birmingham, Ala.	0.00	5.49	6.16	1.80	2.29	12.82

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ACID PHOSPHATES WITH NITROGEN AND POTASH

Station No.	NAME OF SAMPLE.	BY WHOM SENT.	PHOSPHORIC ACID.			Nitrogen.	Potash.	Commercial Value.
			Water Soluble.	Citrate Soluble.	Acid Soluble.			
6232	Helm's Special Guano No. 2.....	Helm Bone Fert. Co., Birmingham, Ala.	0 00	4.61	5.44	1.65	2.00	\$11.23
(96) 6238	Farmers' Alliance Guano.....	Troy Fertilizer Co., Troy, Ala.....	7.15	3.25	2.65	2.02	2.32	18.38
6239	Big Hit Guano.....	" " " " ".....	6.50	3.38	3.32	1.38	1.53	15.27
6240	Blood and Bone Guano.....	" " " " ".....	8.05	3.23	2.42	1.64	2.28	18.17
6241	Hume's Am. Dis. Bone.....	" " " " ".....	8.25	2.41	2.51	1.60	2.32	17.46
6242	Meal Mixture.....	" " " " ".....	7.05	2.73	2.21	1.84	2.18	17.11
6243	Nancy Hanks.....	" " " " ".....	7.40	2.84	2.36	2.02	2.57	18.47
6244	Old Homestead.....	" " " " ".....	6.55	3.16	3.74	1.16	1.53	14.49
6245	Pike's Pride Guano.....	" " " " ".....	8.00	3.25	2.40	1.68	2.00	17.90
6246	Troy Perfect Guano.....	" " " " ".....	6.95	2.91	2.04	1.96	2.32	17.67

6247	Soluble Blood and Bone.....	Troy Fertilizer Co., Troy, Ala.....	7.10	2.48	3.52	1.26	1.66	14.77
6248	Blood and Bone Guano.....	“ “ “ “ “	8.25	2.85	2.20	1.60	2.00	17.58
6249	Dundee Guano.....	“ “ “ “ “	6.75	2.86	3.34	1.18	1.68	14.59
6254	Fertilizer.....	Cliff Foy & Bros., Abbeville, Ala.....	8.55	2.95	.90	2.08	1.66	18.98
6257	Jones Special Formula.....	Hilton, Bentley & Cosby, Brantley, Ala.....	7.35	2.45	3.09	1.10	3.70	16.58
6259	Gray's H. G. Guano.....	— Gray, Dadeville, Ala.....	9.50	2.16	.44	1.50	2.34	18.20
6369	Birmingham Dis. Bone and Potash..	B'ham. Fert. Co., Birmingham, Ala....	9.90	3.78	.42	.99	1.34	17.79
6270	B'ham H. G. Blood, Bone & Potash.	“ “ “ “ “	10.35	3.63	.32	1.84	2.52	21.65
6271	Birmingham Soluble Guano.....	“ “ “ “ “	9.80	4.48	.42	1.90	1.31	20.91
6272	Birmingham Standard Grade Fert..	“ “ “ “ “	9.75	4.25	.40	1.80	1.18	20.22
6275	Guano.....	G. W. McKing, Five Points, Ala.....	5.75	1.68	3.22	1.74	1.97	14.27
6278	Guano.....	W. L. Patterson, Osawatchee, Ala.....	8.45	2.50	.70	1.98	1.57	18.06
6279	Fertilizer.....	W. L. Cosby, Walnut Hill, Ala.....	7.80	2.42	.28	1.40	2.72	16.86
6282	Patapsco Guano.....	O. J. Belcher, Headland, Ala.....	8.75	2.93	1.82	.94	1.00	15.31
6291	Grays H. G. Guano.....	Dadeville Oil Mill, Dadeville, Ala.....	7.70	2.78	.22	1.56	1.79	16.64
6292	Stone & Johnston's H. G. Guano....	“ “ “ “ “	7.90	2.79	.26	1.58	1.92	17.03
6293	Home Mixture Guano.....	“ “ “ “ “	7.80	1.91	.44	1.50	2.20	16.11
6297	Guano.....	S. M. Day, Five Points, Ala.....	6.60	5.00	6.60	1.46	.75	16.44

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ACID PHOSPHATES WITH NITROGEN AND POTASH—Continued

Station No.	NAME OF FERTILIZER.	BY WHOM SENT.	PHOSPHORIC ACID.			Nitrogen.	Potash.	Commercial Value.
			Water Soluble.	Citrate Soluble.	Acid Soluble.			
6298	Goldsmith's Improved Mixture. . .	Prim & Kimbel, Jackson, Ala.	8.60	3.12	2.68	2.00	2.73	20.05
(66) 6303	Aurora.	Herren & Oliver, Dadeville, "	9.00	3.20	2.25	1.66	1.19	18.04
6304	A. A. P.	" " " " "	9.30	4.13	2.32	1.00	1.45	17.68
6305	Coweta H. G. Guano	" " " " "	9.20	2.35	2.60	1.80	2.29	18.88
6306	W. O. C.	" " " " "	8.45	3.48	3.32	1.80	2.35	19.32
6313	Blood, Bone and Potash	McGhee, Driver & Co., Lafayette, Ala.	5.65	5.21	4.14	1.60	1.24	16.58
6314	Mastodon	" " " " "	8.70	2.44	1.36	1.44	2.18	17.35
6317	H. G. Potash Guano.	R. A. Russell & Co., Gaylesville, "	6.00	3.92	2.18	1.34	2.07	15.74
6318	Blood and Bone Guano	" " " " "	7.00	4.39	2.06	1.16	1.07	15.71
6325	Capital City Standard Guano.	Wright, Henderson & Co., Elba, "	6.05	4.07	4.08	1.64	2.32	17.03

6326	Troy Perfect	Wright, Henderson & Co., Elba,	"	6.85	2.59	3.03	2.20	2.97	16 57
6327	Georgia State Grange Guano	" " " "	"	5.05	3.85	2.30	1.38	2.17	14 93
6331	Georgia State Standard	Sanders & Son, Columbia,	"	5.75	3.45	4.00	1.86	2.00	16 41
6334	B'ham H. G. Blood, Bone and Potash	Lester & Co., Columbiana,	"	8.50	4.06	1.94	1.34	1.53	17 84
6337	Blood and Bone	H. M. Beach & Son, Columbia,	"	5.50	4.02	2.08	1.61	1.87	16 20
6338	Comple Cotton Fertilizer	" " " "	"	8.65	1.71	2.24	1.80	2.38	17 78
6339	Jones' Formula	" " " "	"	8.85	3.52	1.98	1.04	3.48	18 76
6340	Excelsior	" " " "	"	8.00	2.10	1.30	1.68	1.59	16 39
(97) 6341	Farmer's Special	" " " "	"	6.70	5.74	1.46	1.11	4.82	20 37
6342	Helmet	" " " "	"	3.20	5.69	3.36	1.90	2.42	16 63
6345	Ox Cotton Guano	T. C. Masterson, Avoca,	"	8.70	4.39	1.26	1.70	1.55	19 40
6347	Armour's 271	C. A. Steifelmeyer, Hanceville,	"	2.85	7.61	1.34	1.94	1.65	17 54
6348	Meridian Blood and Bone	" " " "	"	8.55	3.38	1.92	1.74	1.59	18 39
6350	Early Bird	Reynolds Bros., Jemison,	"	8.10	3.75	6.20	1.24	1.64	16 96
6353	Georgia Formula Guano	Campbell & Wright, Jr., Roanoke,	"	8.85	2.40	2.60	1.72	2.24	18 31
6354	Georgia State Grange Guano	" " " "	"	7.90	2.13	.94	1.65	3.33	18 01
6355	Pon Pon Crop Grower	" " " "	"	8.50	2.04	2.56	1.22	2.94	16 90
6356	Randolph Guano	" " " "	"	5.50	2.58	1.92	2.54	2.29	17 48

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ACID PHOSPHATES WITH NITROGEN AND POTASH—Continued.

Station No.	NAME OF FERTILIZER.	BY WHOM SENT.	PHOSPHORIC ACID.			Nitrogen.	Potash.	Commercial Value.
			Water Soluble.	Citrate Soluble.	Acid Soluble.			
(85) 6257	Roanoke Guano	Campbell & Wright, Jr., Roanoke, Ala.	7.25	2.45	2.70	1.98	1.41	\$16 65
6367	B'ham Blood, Bone and Potash	S. E. Stewart, Hartselle, Ala	7.50	2.80	3.40	1.50	1.76	16 26
6338	Alabama Guano	“ “ “ “	7.30	2.81	2.04	1.98	2.06	17 71
6369	Adair's Am. Dis. Bone	“ “ “ “	7.00	1.64	2.86	1.88	2.38	16 28
6370	Ga. State Grange Fertilizer	“ “ “ “	8.10	1.73	3.02	1.54	2.85	16 99
6371	Ox Cotton Guano	“ “ “ “	8.95	3.84	1.86	1.56	1.74	18 90
6373	Read's H. G. Am. Dis. Bone	“ “ “ “	8.40	3.97	1.48	.72	2.90	17 29
6374	Sample No. 1	C. R. Maxwell, Northport, “	8.75	.90	.40	1.22	2.30	15 37
6375	Sample No. 2	“ “ “ “	19.00	1.44	.36	1.16	2.76	17 45
6377	Helmet Brand Potato Fertilizer	S. F. Alston, Tuscaloosa, Ala	2.30	9.46	2.24	3.72	4.22	26 40

6378	Helmet Brand Blood, Bone & Pot'h.	S. F. Alston, Tuscaloosa, Ala.	2.25	9.18	1.62	4.18	10.40	33.53
6379	Helmet Brand 271	" " " "	1.85	8.11	1.14	2.14	1.74	17.69
6380	Helmet Brand 386	" " " "	3.30	8.64	2.06	2.50	7.55	26.49
6383	King Cotton Grower.	W. D. Hamilton, Guin, Ala.	6.75	4.19	5.26	.60	1.29	13.91
6385	Scott's Gossypium Phospho.	C. A. Steifelmeyer, Cullman, Ala.	9.90	1.71	1.24	1.88	3.26	20.13
6387	B'ham Blood, Bone and Potash.	" " " "	8.40	3.81	1.64	1.45	2.13	18.40
6389	Bone Compound	" " " "	7.25	2.90	6.20	1.60	2.07	16.70
6390	Standard Home Mixture.	" " " "	7.45	3.82	1.08	1.62	2.90	18.71
(66) 6391	Helmet Brand 271	" " " "	2.00	7.73	1.52	2.12	2.09	17.76
6394	Ga. State Standard Superphosphate.	Law & Davis, Lincoln, Ala.	6.25	3.91	2.44	1.68	3.32	18.18
6395	Scott's Gossypium Phospho.	" " " "	7.40	4.79	.96	1.86	3.20	20.60
6396	Scott's Blood Formula.	" " " "	7.15	4.37	2.08	1.10	2.25	16.85
6399	W. O. C.	S. F. Teague, Birmingham, Ala.	6.30	2.98	3.32	1.58	2.64	17.34
6400	Teague's Beef, Blood and Bone.	" " " "	6.55	3.53	4.02	1.04	2.07	15.06
6402	Animal Ammoniated	T. H. & A. B. Stephens, Seaborn, Ala.	7.05	2.87	2.68	1.74	1.68	16.47
6403	Blood Formula	" " " "	9.45	3.13	2.12	1.08	1.88	17.46
6405	B'ham H. G. Fertilizer.	F. Ogden & Son, Sulligent, Ala.	8.35	3.98	.72	1.54	2.78	19.42
6406	Mobile Standard Guano.	" " " "	5.50	3.97	6.08	1.82	3.42	18.15

Analyses Reported by the State Chemist from July 1, 1900, to July 1, 1901.

ACID PHOSPHATES WITH NITROGEN AND POTASH

Station No.	NAME OF SAMPLE.	BY WHOM SENT.	PHOSPHORIC ACID.			Nitrogen.	Potash.	Commercial Value.
			Water Soluble.	Citrate Soluble.	Acid Soluble.			
6408	Ox Cotton Guano.....	Porter & Foster, Town Creek, Ala.....	7.85	4.17	1.88	1.72	2.51	\$19.35
6410	Blood & Bone.....	J. B. Gray & W. W. Gullede, Ohatchie.	7.10	2.86	3.44	1.19	1.99	15.28
6412	Read's Blood & Bone No. 1.....	T. R. Farish & Bros., Clayton, Ala....	7.25	3.93	1.42	1.30	2.53	17.35
6415	Aurora Am. Phosphate.....	Jas E. Snead, Snead, Ala.....	5.85	3.32	1.38	1.64	1.90	15.66
6416	Animal Bone Fertilizer.....	" " " "	7.20	4.00	6.10	1.75	1.75	17.88
6419	A. A. P. Bone with Ammonia.....	" " " "	7.35	4.51	1.14	1.35	1.46	17.10
6420	W. O. C. Guano.....	" " " "	8.30	4.47	1.48	2.22	2.62	21.61
6421	Sea Bird Guano.....	" " " "	7.90	2.93	6.82	1.64	2.22	17.64
6422	Coweta H. G. Fertilizer.....	" " " "	8.30	5.51	5.44	1.72	1.95	20.58
6424	Sea Gull Compound.....	R. W. Allen & Co., LaFayette, Ala.....	8.00	2.75	2.30	1.00	2.34	15.89

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6425	Georgia Formula.....	R. W. Allen & Co., LaFayette, Ala.....	7.70	3.07	2.18	1.44	2.40	17.20
6428	Am. Dis. Bone.....	J. R. G. Howell, Dothan, Ala.....	7.70	5.41	1.54	.98	2.99	18.84
6429	Howell's Fruit Food.....	.. .. .	4.25	3.38	.82	3.16	3.31	19.79
6431	Beef, Blood & Bone Guano.....	Weathers, Swan & Co, Roanoke, Ala...	7.90	3.45	1.80	1.12	1.23	15.72
6432	Solid South Guano.....	.. .. .	7.90	3.30	3.00	1.58	2.24	17.86
6434	Tuskaloosa Guano.....	Tuskaloosa C. S. Oil Co., Tuscaloosa, Ala	8.30	3.54	.26	2.16	2.36	20.25
6436	Goulding's Bone Compound.....	Hughes Bros., Florala, Ala.....	6.90	4.08	5.32	1.48	2.05	17.17
6438	Potapso Guano.....	R. W. Allen & Co., LaFayette, Ala.....	8.55	2.89	1.96	1.86	2.32	17.57
6445	Hume's Am. Dis. Bone.....	Troy Fertilizer Co., Troy, Ala.....	8.45	3.13	2.42	1.68	2.32	18.60
(101) 6447	Troy Perfect Guano.....	.. .. .	7.80	3.32	2.68	1.48	2.11	17.37
6448	Blood and Bone Guano.....	.. .. .	8.05	3.63	2.32	1.62	2.34	18.56
6449	.. .. .	.. .. .	8.55	2.77	2.18	1.64	2.57	18.48
6453	Complete Cotton Fertilizer.....	P. J. Ham & Son, Elba, Ala.....	7.85	1.88	3.22	2.00	2.4	17.70
6454	Jones Special Formula.....	.. .. .	8.85	2.65	1.50	1.22	4.02	18.54
6455	Merriman's Cotton Boll Guano.....	.. .. .	9.95	1.38	2.32	1.58	4.07	19.82
6456	.. .. .	.. .. .	10.05	1.46	1.94	1.34	3.33	18.59
6459	Blood, Bone and Potash.....	Hilton, Bentley & Cosby, Brantley, Ala.	10.00	2.53	1.72	.94	1.69	16.85
6460	Ga State Grange Fertilizer.....	.. .. .	6.10	2.84	2.56	1.68	2.93	16.57

Analyses Reported by the State Chemist from July 1, 1900, to July 1, 1901.

ACID PHOSPHATES WITH NITROGEN AND POTASH.

Station No.	NAME OF SAMPLE.	BY WHOM SENT.	PHOSPHORIC ACID.			Nitrogen.	Potash.	Commercial Value.
			Water Soluble.	Citrate Soluble.	Acid Soluble.			
(102) 6461	Jones Special Formula.	Hilton, Bentley & Cosby, Bentley, Ala.	7.40	3.25	3.10	.95	3.88	17.19
6462	Sample No. 1.	C. Kimbrough, Alexander City, Ala.	8.20	3.36	1.94	2.06	2.88	20.21
6463	Sample No. 2. ....	.. .. .	7.05	3.12	1.38	2.43	1.53	18.50
6468	Troy Perfect Guano.	J. T. Ramage, Brundidge, Ala.	7.55	2.79	3.26	1.94	2.65	18.42
6469	Star Guano. ....	.. .. .	6.75	3.53	5.22	2.28	1.55	18.21
6470	Sea Gull Guano. ....	.. .. .	7.00	5.25	4.10	1.84	2.68	20.08
6472	Blood Bone and Potash.	W. F. Kenzie, Greenville, Ala.	6.00	4.93	5.22	1.98	2.13	18.60
6473	Goulding's Special Compound. ....	.. .. .	7.05	3.07	7.08	1.56	2.90	17.39
6176	Alabama Guano.	J. C. Akin & Son, Notasulga, Ala.	7.10	3.77	1.28	2.16	2.36	19.28
6478	Ammo. Superposphate.	First Bank of Elba, Elba, Ala.	5.55	3.56	2.80	1.42	2.43	15.41

6479	Hume's Am. Dis. Bone	First Bank of Elba, Elba, Ala	7.85	2.31	4.44	1.24	2.02	15	65
6481	Patapsco Guano.....	T. K. Brantley & Son, Troy, Ala.....	8.00	3.14	1.96	.94	2.50	16	27
6482	Sea Gull Guano.....	" " " "	9.45	1.23	2.12	.98	2.53	15	95
6485	Baltimore Soluble Bone.....	J. G. & John Sanders, Dothan, Ala.....	8.30	3.89	1.46	.51	1.57	13	76
6493	Georgia Formula.....	C. H. Butler, Childersburg, Ala.....	7.55	2.44	2.26	1.41	2.62	16	56
6495	Georgia State Grange	Burks & Coston, Brantley, Ala.....	7.20	2.47	.98	2.30	2.78	18	89
6497	Ox Cotton Grower	M. F. Patterson, Falkville, Ala.....	7.30	3.95	2.50	2.16	2.02	19	32
6498	Troy Perfect.....	Burks & Coston, Brantley, Ala.....	7.70	2.07	2.28	1.62	2.29	16	60
(108) 6499	Blood and Bone	" " " "	4.80	4.22	4.28	1.38	1.83	14	71
6502	Perfection Guano	McMillan & Harrison, Mobile, Ala.....	7.80	3.06	.74	2.64	3.57	21	82
6503	" "	Jess Jackson, Grand Bay, Ala.....	10.55	2.56	1.34	1.48	3.34	20	59
6505	Gossypium Phospho	W. S. Crass, Pelham, Ala.....	9.30	2.37	.78	1.54	2.71	18	69
6508	Big Hit	G. A. Sanders, Luverne, Ala.....	11.35	1.68	2.02	1.22	1.06	17	51
6509	Hume's Am. Dis. Bone.....	" " " "	7.85	1.58	3.42	1.68	2.34	16	47
6513	Roanoke Guano.....	A. J. Pittman, Wehodkee, Ala.....	7.35	2.67	3.08	1.86	2.24	17	47
6514	Randolph Guano.....	" " " "	7.30	3.60	2.80	1.83	2.14	18	16
6516	Beef, Blood and Bone	W. A. Gage & Co., Town Creek, Ala.....	8.65	4.15	1.30	1.80	2.21	19	05
6517	Helmet 282.....	" " " " "	2.90	8.92	.98	2.00	3.25	20	62

Analyses Reported by State Chemist from July 1, 1900, to July 1, 1901.

ACID PHOSPHATES WITH NITROGEN AND POTASH.

Station No.	NAME OF SAMPLE.	BY WHOM SENT.	PHOSPHORIC ACID.			Nitrogen.	Potash.	Commercial Value.
			Water Soluble.	Citrate Soluble.	Acid Soluble.			
6518	Helmet, 271.....	W. A. Gage & Co., Towne Creek, Ala...	2.50	9.10	1.00	2.14	2.42	\$20 01
6521	Old Dominion.....	Phillips Bros, Oxford, Ala.....	4.05	4.60	2.20	1.92	3.24	17 27
6522	Talladega Am. Dis. Bone.....	“ “ “ “.....	6.65	3.00	0.20	2.06	3.38	18 80
6524	Ga. State Standard Guano....	Ingram & Co., Anniston, Ala.....	8.65	2.71	1.44	1.56	2.13	17 96
6527	Eddystone Soluble Guano.....	J. Markentepe, Cullman, Ala.....	6.75	4.24	2.66	2.10	1.80	17 67
6528	Fertilizer.....	Robbins & McGowan, Brewton, Ala....	8.95	2.05	2.80	2.18	2.36	19 46
6532	Schuessler & Co's Beef, Blood & Bone	Schuessler & Co., Roanoke, Ala.....	7.25	3.41	6.24	1.26	1.52	15 71
6533	“ “ Special Formula...	“ “ “ “.....	7.45	3.34	4.46	1.26	4.25	18 57
6534	“ H. G. Fertilizer.....	“ “ “ “.....	6.75	3.35	4.90	1.90	2.65	18 07
6538	Ala. Fertilizer.....	Britt & Johnson, Wetumpka, Ala.....	8.60	4.99	.56	2.10	2.60	22.07

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6541	Hume's Am. Dis. Bone.....	McEntyre, Henderson & Adams, Ozark.	7.30	2.95	2.20	1.92	2.80	18.43
6543	Troy Perfect Guano.....	“ “ “ “	6.70	2.34	3.66	1.26	3.28	15.85
6544	Goldsmith's Improved Mixture...	“ “ “ “	6.15	3.65	2.10	1.67	1.96	16.44
6545	Swift's Eagle.....	“ “ “ “	7.10	4.93	1.02	2.02	2.87	20.56
6547	Am. Dis. Bone.....	B. Bullard, Elba, Ala.....	6.60	5.99	4.96	1.16	1.20	17.04
6548	Crescent Guano.....	“ “ “	6.50	9.08	0.62	1.62	1.01	21.13
6550	XXX Blood & Bone Guano.....	George Kroell, Montevallo, Ala.....	8.00	3.66	2.24	1.54	1.60	17.57
5552	Farmers Alliance Guano.....	H. R. & H., Brantley, Ala.....	7.40	2.89	3.26	1.84	2.29	17.73
6553	Nancy Hanks Guano.....	“ “ “ “	7.60	2.17	2.18	1.82	2.51	17.88
6554	Hume's Am. Dis. Bone.....	“ “ “ “	7.20	2.39	2.46	2.10	2.81	18.28
6555	Troy Perfect.....	“ “ “ “	7.90	2.67	3.08	1.94	2.12	18.12
6556	B. D. Sea Fowl Guano.....	“ “ “ “	8.40	2.98	2.32	2.04	1.35	18.44
6557	Capital City Guano.....	“ “ “ “	6.80	3.76	4.44	1.82	2.57	18.23
6461	B'ham Blood, Bone and Potash...	Geo. M. Truss & Co., Springville, Ala...	9.70	3.65	1.30	1.66	2.30	20.30
6563	Fertilizer.....	J. O. Hodges, Ashville, Ala.....	8.10	3.52	1.98	1.68	2.85	19.17
6565	Bear Beef, Blood and Bone.....	A. P. Howison, Randolph, Ala.....	7.60	4.58	2.02	2.28	2.47	21.03
6570	Ox Slaughter House Bone.....	W. W. Carlisle & Bro., Roanoke, Ala....	7.40	4.52	1.18	1.56	2.77	19.06
6573	Blood and Bone Guano.....	“ “ “ “ “	4.60	5.13	1.42	1.70	2.75	17.24

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Analyses Reported by State Chemist from July 1, 1900 to July 1, 1901.

ACID PHOSPHATES WITH NITROGEN AND POTASH—Continued.

Station No.	NAME OF SAMPLE.	BY WHOM SENT.	PHOSPHORIC ACID.			Nitrogen.	Potash.	Commercial Value.
			Water Soluble.	Citrate Soluble.	Acid Soluble.			
6574	Roanoke Guano.....	W. W. Carlisle & Bro. Roanoke, Ala ..	5.55	4.44	2.66	2.04	1.79	17.49
6575	Randolph Fertilizer.....	“ “ “ “ “	6.85	3.91	2.24	2.00	2.03	18.39
6579	Alabama Fertilizer.	Sessions & Mizelle, Enterprise, Ala....	6.75	5.52	1.88	1.86	1.59	19.07
6582	Helmet 271.....	F. A. Howle, Oxford, Ala.....	2.00	8.84	.66	1.98	1.67	18.05
6583	Georgia State Grange Guano.....	“ “ “	7.45	2.50	1.80	1.70	2.61	17.32
6584	Birmingham Guano.....	“ “ “	4.85	4.17	1.48	1.14	1.75	13.96
6588	Tip Top.....	T. J. Land, Cullman, Ala.....	9.65	2.83	2.32	1.02	1.27	16.61
6590	Stern's Am. Raw Bone.....	Chapman & Co., Geneva, Ala.....	4.30	3.60	4.40	1.52	1.66	16.92
6501	Champion Farmers' Choice.....	“ “ “ “	6.80	3.07	.88	2.14	1.64	17.50
6594	No. 3 Wet Guano.....	J. S. Collins, Geneva, Ala.....	7.35	5.24	1.86	1.44	1.70	18.32

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6597	Mobile Standard.....	Crutcher & Ward, Cuba, Ala.....	5.40	5.10	6.40	1.65	2.24	17.36
6599	Helmet Brand.....	M. P. White, Attalla, Ala.	1.45	8.97	.58	2.26	1.87	18.62
6601	Scott's Animal Am. Dis. Bone.....	W. J. Sibert, Gadsden, Ala.....	7.50	2.98	2.82	1.64	1.55	16.62
6603	Mobile Standard Guano	Chas. Ivey, Evergreen, Ala.....	5.65	4.60	6.10	1.72	2.11	17.18
6605	Blood and Bone	Zena Shepherd, Georgiana, Ala.	6.45	3.64	4.16	1.51	2.15	16.47
6608	Alliance Soluble Guano.....	J. I. Covington, Bertha, Ala.....	6.50	4.27	3.38	1.78	2.01	17.76
6609	Rock City.....	J. E. F. Westmoreland, Florence, Ala..	6.95	3.48	1.12	1.50	1.75	16.38
6610	Pacific Guano.....	“ “ “ “	7.40	4.23	5.02	1.18	1.84	16.77
(107) 6611	Armour's 722.....	J. A. Kenney, Loop, Ala.....	4.05	9.47	4.28	1.48	2.22	19.88
6616	Corn and Cotton Guano.....	J. C. Hartselle & Son, Hartselle, Ala...	5.55	5.41	4.24	1.14	1.68	16.13
6619	King Cotton Grower.....	W. A. Shaw, Winfield, Ala.....	5.30	4.43	4.12	1.15	2.03	14.98
6621	Crescent Guano.....	C. R. Waxwell, Northport, Ala... ..	6.30	3.38	4.12	1.68	1.86	16.24
6622	Maxwells' Home Mixture	“ “ “ “	6.55	2.78	0.42	1.96	1.97	16.79
6624	Baltimore Soluble Bone	Bean & McMurray, Heflin, Ala... ..	8.90	4.89	1.26	.55	.....	13.79
6626	Bear, Beef Blood and Bone.....	“ “ “ “ “	7.70	5.14	.86	1.38	2.12	18.82
6631	Ox Cotton Guano.	Franzen & Olsoo, Thorsby, Ala.....	8.00	4.35	2.10	1.78	1.50	18.83
6633	B'ham Dis Bone Am. and Potash...	T. U. Crumpton, Maplesville, Ala	9.05	4.49	.68	.56	1.59	16.17
6634	Star Brand.....	S. N. Rains, Elba, Ala	6.60	4.46	5.34	2.10	1.70	18.64

Analyses Reported by State Chemist from July 1st, 1900, to July 1st, 1901.

ACID PHOSPHATE WITH POTASH—Continued.

Station No.	NAME OF SAMPLE.	BY WHOM SENT.	PHOSPHORIC ACID.			Nitrogen.	Potash.	Commercial value.
			Water Soluble.	Citrate Soluble.	Acid Soluble.			
(601) 6635	Blood Formula.....	W. E. Crass, Pelham, Ala.....	7.45	4.04	4.76	.86	1.95	\$15.85
6637	Complete Fertilizer.....	John Ward, Headland, Ala.....	2.60	2.21	.84	.82	1.53	8.64
6640	Blood, Bone and Potash.....	Asa Griffith, Hanceville, Ala.....	7.95	3.00	2.30	1.54	1.74	17.00
6641	Beef, Blood and Bone.....	“ “ “ “.....	7.95	3.98	1.22	1.88	2.06	19.25
6642	“ “.....	“ “ “ “.....	6.85	6.55	1.85	1.78	2.17	20.55
6643	Fatapsco.....	“ “ “ “.....	9.00	3.00	2.25	1.05	1.92	16.86
6647	Meridian Blood and Bone.....	G. H. Amos, Duck Spring, Ala.....	7.55	3.10	2.00	2.00	2.30	18.55
6648	“ Home Mixture.....	“ “ “ “.....	8.05	2.90	1.90	1.68	2.25	17.90
6649	Armour's 272.....	W. T. Andrews, Gold Hill, “.....	1.35	6.84	6.76	2.16	2.67	16.91
6650	Helmet 272.....	“ “ “ “.....	2.40	8.55	1.50	2.20	2.78	19.89

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6651	Ox Cotton Guano.....	W. T. Andrews, Gold Hill, Ala.	8.90	3.05	2.05	1.82	1.76	18	81
6653	Blood, Bone and Potash.....	F. D. Byrum, Byrum, Ala.	8.05	4.00	1.80	.98	1.23	16	02
6654	Georgia State Grange Guano.....	“ “ “	7.90	2.50	2.20	1.78	2.70	18	08
6656	A. G. Winkler's Am. Dis. Bone.....	A. G. Winkler, Greenville, Ala.	6.70	2.70	6.25	2.18	2.02	17	52
6658	Am. Dis. Bone.....	Jno. H. Wilson, Jenifer, “	8.30	2.00	0.40	1.46	2.13	16	52
6664	Mobile Standard.....	W. W. Burnette, Geneva, “	6.80	7.10	.90	1.84	2.34	21	39
6668	Scott's Gossypium Phospho.....	Lull & Lacy, Wetumpka, “	9.45	2.65	1.15	1.65	2.41	19	21
6669	“ Blood Formula.....	“ “ “	8.20	3.26	1.78	1.09	1.95	16	46
6672	“ AA	D. D. Hughes, Lebanon, “	7.30	5.35	2.70	1.70	1.45	18	86
6674	“ Blood Formula.....	“ “ “ “	6.90	9.87	1.78	.96	1.25	20	71
6677	No. 271.....	Cash Supply Co., Mountain Creek, Ala.	3.60	8.56	.74	2.50	2.10	21	26
6678	Alabama Fertilizer.....	“ “ “ “ “ “	6.25	4.02	1.78	2.10	2.34	18	49
6679	Georgia Farmer.....	J. G. Land, Cullman, Ala.	5.05	4.05	3.00	1.56	2.12	15	59
6680	Scott's.....	Joel W. Ligg, Elkmont, Ala.	7.00	2.95	2.80	1.76	1.59	16	47
6686	XXX Am. Dis. Bone.....	Trawick & Jernigar, Opelika, Ala.	5.45	4.62	3.28	1.52	2.31	16	64
6687	XX Blood and Bone.....	“ “ “ “	5.55	4.73	3.42	1.68	2.06	17	04
6688	Old Time Guano.....	“ “ “ “	5.50	3.80	4.10	1.64	2.48	16	37
6689	Lee Fertilizer.....	“ “ “ “	6.45	3.86	1.84	1.64	2.55	17	45

Analyses Reported by State Chemist from July 1st, 1900 to July 1st, 1901.

ACID PHOSPHATE WITH NITROGEN AND POTASH—Continued.

Station No.	NAME OF FERTILIZER.	BY WHOM SENT.	PHOSPHORIC ACID.			Nitrogen.	Potash.	Commercial value.
			Water Soluble.	Citrate Soluble.	Acid Soluble.			
6633	Alabama Fertilizer	W. D. Brown, Gravilla, Ala.....	7.70	2.50	1.50	2.06	2.04	18.01
6694	Mobile Standard Guano	“ “ “	3.85	5.25	6.25	1.92	1.93	16.41
6697	Eddystone Soluble Guano	Coley & Sandlin, Alex. City, Ala.....	7.00	5.29	0.70	1.43	1.88	18.06
6698	Magic Cotton Grower	“ “ “ “	7.40	2.65	1.80	1.13	2.38	15.59
6700	Special Blood Mixture	“ “ “ “	5.60	4.20	1.25	.92	1.58	13.96
6703	Goulding's Bone Compound	W. D. Brown, Gravilla, Ala.....	8.40	6.25	.90	1.70	.91	20.32
6706	Cahaba Dis Bone Am. & Potash....	White & Spigener, Goodwater, Ala... .	9.30	4.95	1.30	.78	1.32	17.75
6707	“ H. G. Blood, Bone & Potash.	“ “ “ “	7.75	3.80	1.35	1.55	2.04	17.93

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6709	Standard Guano	White & Spigener, Goodwater, Ala.	7.00	3.18	0.60	1.38	1.63	15 64
6710	Boss Cotton Grower	" " " " "	7.10	5.05	2.45	.84	1.93	16 48
6224	B'ham Dis. Bone, Am. & Potash	Birm'ham Fert Co., Birmingham, Ala.	10.00	3.38	.37	.99	1.05	17 50
6225	B'ham H. G. Fertilizer	" " " " "	10.23	3.35	.37	1.87	2.22	21 04
6225	Cahaba H. G. Fertilizer	" " " " "	10.23	3.35	.37	1.87	2.22	21 04
6712	Merriman's Cotton Boll Guano	W. C. Perry, Seale, Ala.	5.20	6.55	1.55	1.39	1.82	17 46
6714	Troy Perfect	Ben. Jennings, Seale, Ala.	6.65	2.65	2.90	1.62	1.86	15 11
6717	Eddystone Soluble Guano	W. H. Bynum, Boaz, Ala.	7.30	5.90	2.10	1.44	1.71	18 94
6719	Blood & Bone	J. H. Myers, Langstone, Ala.	7.25	4.15	5.70	.59	1.91	14 96
6720	Patapsco Guano	Bean & McMurry, Heflin, Ala.	8.10	3.85	1.75	.82	2.76	17 01
6724	Blood, Bone & Potash	McEntire, Henderson & Adams, Ozark.	5.30	5.00	5.60	1.96	1.77	17 56
6725	Eddystone Soluble Guano	Elrod & Gibson, Collinsville, Ala.	6.15	5.59	3.06	1.94	1.53	18 70
6726	No. 1 Guano	W. H. Mizelle, Grimes, Ala.	6.80	1.69	3.06	1.46	2.06	14 64
6727	No. 3 Guano	" " " "	7.15	4.79	1.36	2.12	2.03	19 91
6730	Magnet Soluble Guano	Davis, Marshall & Co., Mobile, Ala.	6.70	4.55	1.85	2.20	2.13	19 54
6734	Beef, Blood & Bone	R. F. Gilbert, Porterville, Ala.	6.65	5.43	1.22	.73	1.53	15 65
6735	Magic Cotton Grower	" " " "	5.80	6.11	1.44	.90	2.01	16 54
6738	Alabama Guano	Gunter & Ealem, Gantt, Ala.	6.50	3.54	3.16	1.88	1.90	17 20

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ACID PHOSPHATES WITH POTASH.

Station No.	NAME OF SAMPLE.	BY WHOM SENT.	PHOSPHORIC ACID.			Nitrogen.	Potash.	Commercial Value.
			Water Soluble.	Citrate Soluble.	Acid Soluble.			
6739	Old Homestead	Gunter & Ealem, Gantt, Ala	8.45	3.60	3.10	1.00	2.29	\$17 13
6740	Meal Mixture.....	“ “ “ “	6.10	3.30	2.10	1.98	2.06	17 20
6741	Pike Pride	“ “ “ “	7.60	3.56	1.04	1.54	2.27	17 74
6744	Cow Guano	McEntire Bros., Cullman, Ala	5.70	3.03	5.02	1.78	2.20	15 91
6745	Corn and Cotton Guano	“ “ “ “	8.10	.83	5.72	.74	2.25	13 25
6747	Blood and Bone Guano.....	S. W. Henry, Springville, “	6.00	4.43	4.32	.86	2.09	14 93
6748	Fertilizer	J. C. Alford & Son, Childersburg, Ala... ..	6.75	6.57	2.98	1.66	1.77	19 74
6751	Farmer's Special Manure.....	R. Q. Edmonson & Bros., Eufaula, Ala.. ..	7.45	4.90	1.10	.74	2.81	17 23
6753	282.....	F. L. Johnson & Co., Gadsden, Ala	2.25	7.60	2.35	2.10	2.18	17 91
6754	Complete Fertilizer.....	E. J. Neher, Hollywood, Ala	4.60	4.50	4.90	.80	2.13	13 74

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6762	S. & K. Am. Dis. Bone.....	Opelika Chemical Co. Opelika, Ala.....	7.05	4.30	6.30	1.30	1.30	16.29
6768	Blood and Bone Guano.....	" " " " "	7.05	3.85	3.90	2.28	1.66	18.89
6769	Alliance Soluble.....	" " " " "	7.50	3.19	4.76	2.14	2.13	18.81
6770	C C C. Standard Fertilizer.....	" " " " "	7.55	3.84	4.56	2.24	2.01	19.67
6771	Star Brand Guano.....	" " " " "	7.15	3.03	4.82	1.72	1.25	16.25
6772	Pinkard's Home Mixture.....	" " " " "	5.45	3.39	1.06	2.40	1.90	17.46
6773	Meal and Phosphate Compound....	" " " " "	7.90	5.00	1.20	2.64	.72	21.01
6774	Good Luck Soluble Guano.....	" " " " "	6.95	4.23	6.62	1.28	1.18	15.94
6775	Diamond Soluble Guano.....	" " " " "	7.05	3.30	4.90	2.08	1.27	17.44
6776	Schuessler Bros.' H. G. Guano.....	" " " " "	7.45	2.82	5.08	1.98	1.31	17.12
6777	Schuessler & Co's Beef, Blood & B'ne	" " " " "	7.05	3.73	6.22	1.28	1.45	15.81
6778	" " Special Formula...	" " " " "	6.55	4.10	3.80	1.38	2.14	17.65
6779	" " H. G. Fertilizer...	" " " " "	7.85	3.47	4.78	2.28	2.00	19.65
6809	Sea Gull Soluble Guano.....	W. B. Wilhite, Hartselle, Ala.....	6.50	2.88	4.32	1.66	2.19	16.22
6810	Capital City Standard Fertilizer....	" " "	6.20	6.03	1.02	1.60	2.29	19.00
6791	Am. Dis. Bone.....	Montgomery Fertilizer Co., Montgom'y.	7.00	3.96	5.54	1.24	1.51	15.94
6792	Vandiver's Am. Dis. Bone.....	" " " " "	6.50	3.93	7.12	1.29	1.36	15.40
6793	Montg'y Blood and Bone Guano....	" " " " "	7.60	3.45	4.80	2.20	2.32	19.53

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Analyses Reported by State Chemist from July 1, 1900 to July 1, 1901.

ACID PHOSPHATES WITH NITROGEN AND POTASH—Continued.

Station No.	NAME OF SAMPLE.	BY WHOM SENT.	PHOSPHORIC ACID.			Nitrogen.	Potash.	Commercial Value.
			Water Soluble.	Citrate Soluble.	Acid Soluble.			
6794	Southern Pacific Guano.....	Montgomery Fertilizer Co., Montgom'y.	7.35	3.33	5.32	1.26	1.56	15.77
6795	Plow Brand Soluble Guano.....	“ “ “ “	7.25	4.52	4.28	1.21	1.50	16.66
6796	Tariff Reform Soluble Guano.....	“ “ “ “	7.70	2.11	5.84	2.26	2.18	18.32
6797	Early Bird Soluble Guano.....	“ “ “ “	7.75	3.16	5.24	1.28	1.19	15.68
6798	Our Cotton Queen Guano.....	“ “ “ “	6.70	6.82	3.18	1.28	1.80	18.90
6799	Capital City Standard Guano.....	“ “ “ “	7.50	3.83	4.92	2.28	2.74	20.45
6800	Willson's Special Compound.....	“ “ “ “	8.30	3.74	3.96	1.52	1.67	17.97
6802	Planters Pride Guano.....	West & McMurray, Roanoke, Ala.....	6.95	3.27	2.98	1.55	2.11	16.67
6805	Sea Gull Soluble Guano.....	Montgomery Fertilizer Co., Montgom'y.	7.70	3.33	4.62	2.24	2.55	19.85
6806	Crescent Guano.....	“ “ “ “	7.55	3.27	4.68	2.06	1.52	18.09

6807	Clayton Fertilizer.....	Montgomery Fertilizer Co., Montgom'y.	5.50	3.66	.94	2.40	3.41	19.39
6813	Am. Dis. Bone.....	C. W. Bell & Son, Lineville, Ala.....	9.20	.54	3.86	1.92	2.37	17.49
6817	Baltimore Soluble Bone.....	G. W. Roberts & Co., Collinsville, Ala..	7.90	4.11	1.54	1.14	1.85	17.05
6818	H. G. Patapsco Guano.....	“ “ “ “ ..	9.20	3.06	1.84	1.40	1.78	17.96
6814	Blood, Bone and Potash.....	C. W. Bell & Son, Lineville, Ala.....	5.30	6.80	7.30	.08	2.01	14.33
6819	Alabama Fertilizer.....	W. A. Arnold, Ozark, Ala.....	8.60	2.40	1.80	1.92	1.7	18.15
6820	Dale County Standard.....	“ “ “ ..	8.70	3.91	.74	2.30	1.97	21.12
6822	Solid South Guano.....	Reeves, Sanders & Co., Heflin, Ala.....	6.55	3.73	2.92	1.54	1.92	16.71
6823	Am. Dis. Bone.....	W. F. Vandiver & Co., Montgomery, Ala.	7.15	3.87	5.08	1.43	1.74	16.78
6825	Helmet Brand 271.....	F. R. King & Co., Leighton, Ala.....	1.55	10.10	.60	2.04	1.47	18.83
6826	Alliance Soluble Guano.....	J. C. Pinkston, Shorter, Ala.....	6.60	3.64	5.06	1.76	2.01	17.02
6829	Goulding's Bone Compound.....	F. A. Gulledege, Verbena, Ala.....	6.20	4.22	4.28	1.29	2.85	16.88
6833	Patapsco Am. Dis. Bone.....	White & Aubry, Roanoke, Ala.....	7.10	3.44	2.66	1.78	2.02	17.54
6834	Patapsco H. G. Guano.....	“ “ “ “ ..	8.65	2.91	1.94	1.28	2.08	16.22
6835	Sea Bird Guano.....	“ “ “ “ ..	7.20	4.57	1.78	1.68	2.34	18.81
6836	Sea Gull Guano.....	“ “ “ “ ..	8.35	1.53	2.22	1.34	1.89	15.52
6837	W. O. C. Pure Blood Guano.....	“ “ “ “ ..	6.75	4.37	1.48	1.74	2.13	18.02
6839	Bear Beef, Blood and Bone.....	A. B. Vandigrift & Son, B'ham, Ala....	7.70	4.78	1.62	1.68	2.67	19.85

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ACID PHOSPHATES WITH NITROGEN AND POTASH.

Station No.	NAME OF SAMPLE.	BY WHOM SENT.	PHOSPHORIC ACID.			Nitrogen.	Potash.	Commercial Value.
			Water Soluble.	Citrate Soluble.	Acid Soluble.			
(911) 6840	Helms Bone, Blood and Potash No. 3	Helm Bone Fertilizer Co., B'ham, Ala.	0.00	6.09	4.36	2.12	2.78	14.81
6841	Helms Bone, Blood and Potash No. 4	" " " " " "	0.00	4.29	5.26	1.92	2.13	11.81
6843	Mobile Standard.....	E. H. & A. S. Murdock, Coffee Springs.	3.15	5.69	5.16	1.96	2.20	16.53
6845	Dismond Guano.....	Cameron Bros, Notasulga, Ala.....	5.70	4.66	5.34	1.90	1.33	17.01
6847	Bear Beef, Blood and Bone.....	T. L. Neighbors & Bros, Goodwater, Ala.	7.65	3.12	1.88	2.10	2.42	19.07
6848	Champion Farmers' Choice.....	R. S. Pilley, Georgiana, Ala.....	6.70	3.85	3.90	1.86	2.20	17.96
6851	Complete Fertilizer.....	F. E. Oliver, Hyatt, Alabama.....	0.00	3.90	6.28	1.74	2.76	11.53
6854	Sea Foul Guano.....	W. J. Mullins, Clanton, Ala.....	7.50	3.83	1.12	1.88	1.72	18.31
6855	Alabama Fertilizer.....	" " " "	7.35	2.65	1.70	1.88	1.78	17.04
6857	Magic Cotton Grower.....	West & McMurry, Roanoke, Ala.....	6.90	3.58	1.72	0.90	1.28	14.28

6860	No. 3. Eddystone Soluble Guano...	Montgomery Bros., Lincoln, Ala.....	6.30	3.94	.96	2.60	1.83	19.35
6862	Bear, Beef, Blood and Bone.....	J. T. Tabor, Keener, Ala.....	7.70	4.47	.88	2.04	1.74	19.62
6867	Scott's Gossypium Guano	Haley Bros., Haleyville, Ala.....	9.05	2.60	2.40	1.92	2.84	19.87
6868	Scott's Blood Formula	" " " "	9.50	3.97	1.48	1.02	1.42	17.75
6869	Bear Guano.....	" " " "	8.45	4.35	2.70	2.00	2.13	20.53
6870	Florence King Cotton Guano.....	" " " "	3.90	4.47	5.08	1.44	2.08	14.48
6872	Howle Bros. Bone Compound.....	Howle Bros., Wetumpka, Ala.....	6.80	3.99	6.88	1.74	1.84	17.50
6874	Ozark Guano No. 2.....	Ozark C. S. O. M. and Fert. Co., Ozark.	6.75	5.99	1.26	2.30	1.63	20.81
9876	Blood, Bone and Potash Guano....	E. P. Duncan, Alexander City, Ala....	5.60	5.64	4.76	1.84	1.20	17.59
6877	Georgia State Grange.....	" " " " "	5.35	3.40	1.80	1.10	3.48	15.31
6879	New Brand No. 721.....	J. H. Henderson, Cross Keys, Ala.....	4.65	6.49	9.36	1.82	1.04	14.00
6880	Am. Bone	S. J. Baird, Guin, Ala.....	9.85	7.11	5.24	0.11	.43	17.70
6882	King Cotton Grower.....	J. H. Karter Co., Cullman, Ala.....	4.80	5.80	5.50	.84	1.42	14.37
6883	Bear Guano.....	" " " " "	11.40	5.88	1.22	.04	0.00	17.28
6885	Soluble Guano.....	T. H. McEntyre, Coffee Springs, Ala...	2.25	7.95	7.50	1.21	1.20	14.79
6889	Eagle Am. Bone.....	L. O. Cox, Boaz, Ala.....	6.65	4.25	2.70	1.72	2.32	18.04
6890	Eagle Guano.....	L. O. Cox, Boaz, Ala.....	8.10	4.15	2.60	1.90	1.97	19.54
6891	Helmet Brand No. 271.....	J. H. Henderson, Cross Keys, Ala.....	1.90	8.02	.98	2.02	1.80	17.38

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ACID PHOSPHATE WITH NITROGEN AND POTASH—Concluded.

Station No.	NAME OF FERTILIZER.	BY WHOM SENT.	PHOSPHORIC ACID.			Nitrogen.	Potash.	Commercial value.
			Water Soluble.	Citrate Soluble.	Acid Soluble.			
6892	Helmet Brand No. 272	J. H. Henderson, Cross Keys, Ala.....	2.70	7.88	1.02	2.38	2.31	\$19.55
6893	“ “ “ 285.....	“ “ “ “	2.00	8.07	2.48	2.00	5.46	21.15
6894	African Cotton Grower 292.....	“ “ “ “	2.75	11.09	1.36	2.90	2.92	24.88
6896	Eddystone	M. Noble, Avery, Ala.....	7.30	4.58	1.72	1.82	1.67	18.55
6898	Beef Blood and Bone.....	Reeves, Landers & Co, Heflin, Ala.....	7.20	4.27	1.98	.98	1.62	15.83
6901	Old Hickory Guano.....	T. B. Williams, Cullman, Ala.....	7.45	2.86	3.34	1.98	1.75	17.60
6902	Am. Dis. Bone Guano.....	“ “ “	8.15	4.70	5.50	.44	2.23	16.31
6903	Complete Fertilizer.....	J. C. Hensley, “ “	5.70	3.82	4.28	1.58	2.38	16.32
6909	Coley & Sandlin's Special Guano...	Tallapoosa Oil Co., Alexander City, Ala.	6.90	3.50	.50	1.48	2.04	16.58
6910	Cotton Queen Guano.....	“ “ “ “ “ “	5.65	2.72	.78	2.10	2.35	16.60

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6911	Standard Guano.....	Tallapoosa Oil Co., Alexander City, Ala.	6.60	3.16	.64	1.52	2.20	16.22
6012	Soluble Guano.....	“ “ “ “ “ “	6.25	3.36	.54	2.10	2.28	17.75
6913	Waters' Special Guano.....	“ “ “ “ “ “	6.40	3.10	1.00	1.52	2.13	15.89
6225	Cahaba H. G. Blood, Bone & Potash	Birmingham Fertilizer Co., B'ham, Ala.	10.23	3.35	.37	1.87	2.22	21.04
6225	Earle, Terrell & Co's. H. G. Fert'r..	“ “ “ “ “	10.23	3.35	.37	1.87	2.22	21.04

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ACID PHOSPHATES WITH POTASH.

Station No.	NAME OF SAMPLE.	BY WHOM SENT.	PHOSPHORIC ACID.			Potash.	Commercial Value.
			Water Soluble.	Citrate Soluble.	Acid Soluble.		
6222	B'ham Acid Phos. & Potash Mixture..	B'ham Fertilizer Co., Birmingham, Ala...	8.80	8.35	0.30	2.18	16.33
6223	B'ham Potash Bone .....	.. .. .	7.73	4.92	.56	3.59	16.24
6237	Acid Phosphate & Potash	Troy Fertilizer Co., Troy, Ala.....	7.00	1.97	3.66	3.39	12.33
6250	Dis. Bone & Potash.....	.. .. .	6.85	1.51	3.64	3.90	12.20
6265	B'ham A. P. & Muriate of Pot. Mixt....	B'ham Fertilizer Co., Birmingham, Ala...	10.40	5.03	.22	2.51	17.94
6266	.. .. and Potash Mixture.....	.. .. .	7.60	6.30	.40	2.26	16.16
6267	B'ham Bone Ash .....	.. .. .	9.05	4.27	.38	4.30	17.62
6268	B'ham Potash Bone .....	.. .. .	9.40	4.62	.38	4.13	18.15
6273	B'ham Acid Phos. and Potash .....	.. .. .	10.20	3.77	.48	1.41	15.38
6280	Acid Phosphate and Potash.....	W. Andrews, LaFayette, Ala.....	8.55	3.32	.58	4.41	16.38

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6295	W. Andrews, LaFayette, Ala	8.20	3.83	.72	4.89	16.92
6299	Coweta Dis. Bone & Potash	Herren & Oliver, Dadeville, Ala.	12.45	3.43	.62	1.98	17.86
6300	.....	.....	6.95	4.98	2.12	3.13	15.06
6301	H. G. Dis. Bone & Potash .....	.....	11.25	3.09	.56	2.13	16.47
6302	Coweta Standard.....	.....	9.00	3.52	.58	4.28	16.80
6310	Acid Phos. & 4% Potash.....	McGhee, Driver & Co., LaFayette, Ala...	.65	9.00	1.50	4.56	14.21
6311	Dis. Bone & Potash.....	.....	7.60	5.33	3.12	1.84	14.77
6312	Bone & Potash .....	.....	10.20	5.44	1.36	1.09	16.73
(124) 6315	Stono Acid & Potash	R. A. Russell. & Co., Gaylesville, Ala.....	5.15	9.36	1.14	2.49	18.00
6324	Bone & Potash Phosphate	Wright, Henderson & Co., Elba, Ala.....	8.75	2.36	1.54	3.39	14.51
6329	Dixie Acid Phos. & Potash.....	Jno. A. Nicholls, Childersburg, Ala.....	6.30	6.98	.52	2.41	15.69
6330	Cahaba Acid Phos. & Potash .....	.....	10.25	4.83	.52	1.26	16.34
6333	B'ham Acid Phos. & Potash Mixture...	Lester & Co., Columbiana, Ala	9.45	4.45	1.00	1.01	14.91
6336	8 and 4	H. M. Beach & Son, Columbia, Ala.....	8.55	1.99	.86	4.87	15.41
6344	Bone & Potash	T. C. Masterson, Aorca, Ala	9.50	6.18	3.02	.24	15.92
6349	Marietta Guano Co's H. G. Dis. Bone...	Reynolds Bros., Jemison, Ala.....	8.30	4.01	1.84	2.21	14.52
6351	Bone & Potash Acid	Campbell & Wright, Jr., Roanoke, Ala....	9.60	2.01	3.44	2.17	13.78
6352	Potash Acid.....	8.95	2.37	3.68	2.52	13.84

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ACID PHOSPHATES WITH POTASH—Continued.

Station No.	NAME OF SAMPLE.	BY WHOM SENT.	PHOSPHORIC ACID.			Potash.	Commercial Value.
			Water Soluble.	Citrate Soluble.	Acid Soluble.		
6382	Ashcraft's Formula.....	W. D. Hamilton, Guin, Ala.....	5.05	5.47	4.82	2.03	12.55
6398	Teague's Bone and Potash.....	S. F. Teague, Birmingham, Ala.....	6.35	6.52	3.68	2.12	19.99
6411	Read's Alkaline Bone.....	T. K. Parish & Bro., Clayton, Ala.....	6.15	4.94	1.66	2.40	13.49
6413	Imperial.....	V. B. Atkins & Co., Selma, Ala.....	11.15	3.49	.76	.72	15.36
6417	Coweta H. G. Dis. Bone and Potash...	Jas. E. Snead, Snead, Ala.....	9.35	6.84	.66	2.63	18.82
6418	13 and 4 Dis. Bone and Potash.....	" " ".....	8.15	6.76	3.64	4.42	19.33
6423	Patapsco Acid Phosphate.....	R. W. Allen & Co., LaFayette, Ala.....	9.85	5.64	1.26	1.11	16.60
6427	Phosphate with Potash.....	J. R. G. Howell, Dothan, Ala.....	7.00	4.15	1.30	3.76	14.91
6444	Acid Phosphate and Potash.....	Troy Fertilizer Co., Troy, Ala.....	9.55	3.52	2.48	5.51	18.58
6446	Dis. Bone and Potash.....	" " " " ".....	9.40	2.85	2.60	5.98	18.23

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6452	Ga BoneCompound.....	P. J. Ham & Son, Elba, Ala.....	7.95	3.09	.56	3.75	14.79
6458	Bone and Potash Acid Phosphate.....	Hilton, Bentley & Cosby, Brantley, Ala...	11.65	1.17	.78	2.83	15.65
6475	Opelika Phosphate and 2% Potash.....	J. C. Akin & Son, Notasulga, Ala.....	6.25	4.91	5.14	2.05	13.21
6480	Patapsco Phosphate.....	T. K. Brantley & Son, Troy, Ala.....	10.50	3.12	1.08	1.91	15.53
6483	“ “ 1% Potash.....	J. G. & John Sanders, Dothan, Ala.....	9.90	3.35	2.00	1.97	15.22
6484	Acid Phosphate with 4% Potash.....	“ “ “ “ “.....	1.80	7.49	1.26	5.86	15.15
6489	Acid Phosphate and Potash.....	First Bank of Elba, Elba, Ala.....	7.90	3.28	2.12	3.43	14.61
6490	B'ham Dis. Bone and Potash.....	C. H. Butler, Childersburg, Ala.....	9.30	2.76	1.74	1.08	13.14
6491	Acid Phosphate and Potash.....	“ “ “ “.....	10.20	3.31	2.04	1.66	15.17
6492	B'ham Acid Phos. and Potash.....	“ “ “ “.....	11.05	2.37	.68	2.32	15.74
6510	“Guano”.....	W. A. Sims, Elrath, Ala.....	1.45	8.76	1.94	1.14	11.35
6512	Potash Acid.....	A. J. Pittman, Wehodkee, Ala.....	8.00	4.18	1.02	2.51	14.75
6520	Dis. Bone and Potash.....	Phillips Bros., Oxford, Ala.....	8.05	5.84	.86	3.86	17.75
6525	Tenn. Special Wheat Grower.....	Ingram & Co., Anniston, Ala.....	1.45	10.20	1.90	6.03	17.68
6531	S. & Co's H. G. Bone and Potash.....	Scheussler & Co., Roanoke, Ala.....	5.05	4.79	5.96	1.97	11.81
6535	Sample No. 1.....	W. W. Hicks & Co., Dadeville, Ala.....	7.85	4.99	1.66	1.77	14.67
6536	Bear Brand Potash Mixture.....	Britt & Johnson, Wetumpka, Ala.....	5.80	5.25	5.60	3.49	14.54
6540	Dis. Bone and Potash.....	McEntyre, Henderson & Adams, Ozark..	9.00	3.47	1.68	4.08	16.55

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6617	Tiger Brand Guano.....	J. C. Hartselle & Son, Hartselle, Ala.....	4.85	6.12	4.78	2.48	13.45
6625	Bear Bone and Potash.....	Bean & McMurray, Heflin, Ala.....	4.45	7.00	6.90	2.12	13.57
6628	Eddystone Bone and Potash.....	Elsod & Gibson, Collinsville, Ala.....	10.15	6.32	1.98	1.56	18.03
6665	Scott's H. G. [and Potash].....	Lull & Lacey, Wetumpka, Ala.....	6.95	5.02	.68	2.22	14.19
6667	Pure Dis. Bone and Potash.....	.....	9.80	2.80	.90	1.52	14.22
6683	No. 1	Trawick & Jernigan, Opelika, Ala.....	8.85	4.84	2.96	2.45	14.54
6684	No. 2 .....	.....	8.30	3.75	3.30	2.88	14.93
6685	No. 3 .....	.....	8.70	3.96	3.74	3.52	16.18
(125) 6695	Marietta H. G. Acid Phos. and Potash.....	Coley & Sandlin, Alexander City, Ala.....	6.20	4.70	1.65	2.31	13.21
6696	Water's H. G. Dis. Bone and Potash.....	.....	4.00	4.25	.90	2.23	10.48
6699	Cotton Queen .....	.....	6.00	4.30	2.00	2.00	12.30
6705	Cahaba Acid Phos. and Potash Mixture.....	White & Speigner, Goodwater, Ala.....	12.75	4.20	.70	1.71	18.66
6713	Dis. Bone and Potash.....	Ben. Jennings, Seale, Ala.....	7.95	3.45	1.10	3.34	14.74
6716	Eddystone Bone and Potash.....	W. H. Bynum, Boaz, Ala.....	4.40	7.40	5.50	2.13	13.93
6723	"Guano".....	J. I. Brewer, Tabor, Ala.....	9.90	3.40	2.20	1.48	14.78
6728	No. 1.....	J. E. Smith, Stroud, Ala.....	4.95	7.39	.76	2.21	14.55
6733	Dis. Bone with Potash.....	R. F. Gilbert, Porterville, Ala.....	5.75	6.39	.56	1.56	13.70
6737	Dis. Bone and Potash.....	Gunter & Ealam, Gantt, Ala.....	6.50	3.94	3.46	2.73	13.17

Analyses Reported by State Chemist from July 1, 1900, to July 1, 1901.

ACID PHOSPHATE WITH POTASH.

Station No.	NAME OF SAMPLE.	BY WHOM SENT.	PHOSPHORIC ACID.			Potash.	Commercial Value
			Water Soluble.	Citrate Soluble.	Acid Soluble.		
6750	Special Potash Mixture.....	R. Q. Edmonson & Bro., Eufaula, Ala....	5.00	4.92	4.08	4.12	14.04
6752	No. 10—4's.....	T. L. Johnson & Co., Gadsden, Ala.....	6.70	5.13	2.42	3.37	15.20
6763	Opelika Acid Phos. & 2% Potash.....	Opelika Chemical Co., Opelika, Ala.....	6.85	6.06	2.28	2.17	15.09
6764	Potash Acid Phosphate.....	.....	7.75	6.95	1.30	2.02	16.72
6765	Schuessler Bro's. H. G. Bone & Potash..	.....	7.00	5.25	2.50	2.23	14.48
6766	..... XXX ..	.....	8.20	6.18	2.41	1.72	16.10
6767	..... & Co's H. G. ..	.....	7.00	4.40	2.80	2.41	14.11
6788	English Acid Phos, with 2% Potash.....	Montgomery Fertilizer Co., Mont'gy, Ala..	6.95	6.33	2.42	2.34	15.62
6789	Montgomery Acid Phos. and Potash....	6.50	5.89	2.46	2.37	14.76
6790	Dis. Bone and Potash.....	7.75	6.95	2.39	1.18	15.88

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6804	Alkaline Acid Phos. 4% Potash.....	Montgomery Fertilizer Co., Mont'gy, Ala.	5.65	3.78	1.92	4.06	13.49
6816	4% Acid Phosphate.....	G. W. Roberts & Co., Collinsville, Ala...	.90	5.75	.80	4.25	10.90
6831	Potash Acid.....	White & Aubrey, Roanoke, Ala.....	11.90	2.70	1.30	1.64	16.24
6832	Patapasco Bone & Potash.....	.....	7.00	4.20	1.50	2.67	14.87
6858	B'ham Potash Mixture.....	W. J. Mullins, Clanton, Ala.....	8.15	4.86	.64	2.02	16.03
6859	No. 1 Eddystone Bone & Potash.....	Montgomery Bros., Lincoln, Ala.....	6.45	5.95	4.70	1.86	14.26
6863	Adair's Formula.....	Jno. T. Tabor, Keener, Ala.....	6.85	6.31	1.84	2.22	15.38
6878	Howle Bros' Phos. & Potash.....	Howle Bros., Wetumpka, Ala.....	10.05	5.18	2.12	1.16	16.31
(187) 6888	Eagle Dis. Bone & Potash.....	L. O. Cox, Boaz, Ala.....	5.75	6.50	3.20	1.00	13.25
6900	H. G. Bone & Potash.....	T. B. Williams, Cullman, Ala.....	8.50	4.66	7.14	1.59	12.75
6906	Tallapoosa Dis Bone and Potash.....	Tallapoosa Oil Co., Alex. City, Ala.....	7.75	4.85	.70	2.00	14.60
6907	Our Best Fertilizer Bone and Potash....	.. .. .	7.60	4.75	0.40	1.68	14.03
6908	Coley & Sandlin's Special Bone & Potash	.. .. .	7.85	4.94	.66	1.63	14.42
6222	Cahaba Acid Phos. & Potash Mixture...	B'ham Fertilizer Co., Birmingham, Ala...	8.80	5.35	.30	2.18	16.33
6437	Bone & Potash.....	R. W. Allen & Co., LaFayette, Ala.....	8.55	3.67	2.08	2.80	15.02

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ACID PHOSPHATE.

Station Number.	NAME OF SAMPLE.	BY WHOM SENT.	PHOSPHORIC ACID.			Commercial Value.
			Water Soluble.	Citrate Soluble.	Acid Soluble.	
6206	High Grade Acid.....	Ozark Cotton S. O. M. and Fert. Co. Ozark, Ala.	11.95	3.12	.96	15.07
6220	B'ham High Grade Acid Phosphate....	Birmingham Fertilizer Co., Birmingham, Ala...	12.73	3.79	.20	16.52
6221	Birmingham Standard Grade Phosphate.	“ “ “ “ “	11.33	3.62	.23	14.95
6227	H. G. Acid Phospate (Light)	Ozark Cotton S. O. M. and Fert. Co., Ozark, Ala.	12.00	2.79	.44	14.79
6228	H. G. Acid Phosphate (Dark)	“ “ “ “ “	12.30	4.24	1.76	16.54
6233	English Dis. Bone Phosphate	Troy Fertilizer Co., Troy, Ala.....	9.70	3.71	5.42	13.41
6234	Troy Acid Phosphate.....	“ “ “ “ “	9.20	3.44	5.04	12.64
6235	H. G. Acid Phospate.....	“ “ “ “ “	9.40	3.26	4.94	12.66
6236	English Acid Phosphate.....	“ “ “ “ “	9.45	2.56	5.24	12.01
6252	Acid Phosphate.....	P. R. Tunstall, Mobile, Ala.....	11.60	6.10	1.20	12.20

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6253	Acid Phosphate.....	T. Y Connor, Tuskegee.....	11.30	5.90	1.00	17.20
6262	B'ham H. G. Acid Phosphate.....	Birmingham Fertilizer Co., Birmingham, Ala...	13.20	4.61	.34	17.81
6263	.....	.. .. .. ..	12.55	4.07	.48	16.62
6264	.....	.. .. .. ..	12.05	2.80	.10	14.85
6274	Acid.....	G. W. McKiny, Five Points, Ala.....	6.00	5.57	1.68	11.57
6276	Acid Phosphate.....	W. W. Mizell, Grimes, Ala.....	13.00	3.13	.22	16.13
6277	Phosphate.....	W. L. Patterson, Oswehee, Ala.....	5.25	3.77	1.78	10.02
6285	Acid Phosphate.....	W. J. Hulto, Abbeville, Ala.....	8.15	5.15	.90	13.30
(129) 6290	Oil Mill Phosphate.....	Dadeville Oil Mill, Dadeville, Ala.....	11.35	3.67	.48	15.02
6294	H. G. Acid Phosphate.....	Troy Fertilizer Co., Troy, Ala....	10.15	3.58	.52	13.73
6296	Acid.....	S. M. Day, Five Points, Ala.....	11.20	4.98	.42	16.18
6307	H. G. Acid Phosphate.....	V. M. Harris, Kent, Ala.....	10.15	7.46	1.64	17.61
6316	Stono Dis. Bone.....	R. A. Rssell & Co, Gaylesville, Ala.....	4.25	10.00	1.00	14.25
6319	Wando.....	.. .. .. ..	10.70	4.18	.72	14.88
6320	Acid Phosphate.....	D. H. Lewis, Gordon, Ala.....	1.00	8.95	2.20	9.95
6321	Diamond.....	O. & C. P. Dumas, Arlington, Ala.....	12.30	3.22	.08	15.52
6322	Georgia State Grange Acid Phosphate..	Wright, Henderson & Co., Elba, Ala.....	10.00	3.06	1.44	13.06
6323	Troy H. G. Acid.....	.. .. .. ..	11.20	1.96	4.74	13.16

Analyses Reported by State Chemist from July 1, 1900 to July 1, 1901.

ACID PHOSPHATES—Continued.

Station No.	NAME OF SAMPLE.	BY WHOM SENT.	PHOSPHORIC ACID.			Commercial Value.
			Water Soluble.	Citrate Soluble.	Acid Soluble.	
6328	Montgomery Phosphate.....	Jno. A. Nicholls, Childersburg, Ala.....	11.50	4.32	.88	15.82
6332	P. & H. Royal Acid Phosphate.....	Sanders & Son, Columbia, Ala.....	11.50	3.35	1.10	14.85
6335	Acid Phosphate.....	H. M. Beach & Son, Columbia, Ala.....	13.00	2.53	.52	15.53
6343	Ox H. G. Dis. Bone.....	T. C. Masterson, Aorca, Ala.....	11.50	4.26	1.94	15.76
6346	Scott's H. G. Acid.....	C. A. Steifelmeyer, Hanceville, Ala.....	10.80	3.77	1.18	14.57
6358	Dis. Bone.....	Graves & Burdin, Deposit, Ala.....	8.20	2.82	7.38	11.02
6366	B'ham H. G. Phosphate.....	S. A. Stewart, Hartselle, Ala.....	11.50	2.79	.66	14.29
6372	Read's Matchless Acid.....	.....	9.25	5.10	2.00	14.35
6376	Cahaba H. G. Phosphate.....	S. F. Alston, Tuscaloosa, Ala.....	11.40	4.75	1.60	16.15
6381	Acid Phosphate.....	W. D. Hamilton, Guin, Ala.....	8.00	5.09	5.56	13.09

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6384	Scott's H. G. Acid Phosphate.....	C. A. Steifelmeyer, Cullman, Ala.....	14.00	2.34	.36	16.34
6386	B'ham Acid Phosphate	" " " "	9.90	3.74	.76	13.64
6388	Atlas Acid Phosphate.....	" " " "	14.40	2.98	1.22	17.38
6392	Ga. State Standard Acid Phosphate.....	Law & Davis, Lincoln, Ala.....	3.55	9.79	2.26	13.54
6393	Scott's H. G. Phosphate.....	" " " "	9.10	6.24	2.16	15.34
6397	Teague's Acid Phosphate	S. F. Teague, Birmingham, Ala.....	9.30	6.14	3.16	15.44
6401	Scott's H. G. Acid.....	T. H. & A. B. Stephens, Seaborn, Ala.....	10.35	5.94	1.66	16.29
6404	B'ham H. G. Acid Phosphate.....	F. Ogden & Son, Sulligent, Ala.....	10.15	4.15	.70	14.30
(131) 6407	Ox H. G. Dis. Bone	Porter & Foster, Town Creek, Ala.....	13.65	3.82	1.48	17.47
6409	Ala. Acid Phosphate	J. B. Gray & W. W. Gullledge, Ohatchie, Ala....	7.95	4.85	5.00	12.80
6426	H. G. Acid Phosphate	J. R. G. Howell, Dothan, Ala.....	5.05	8.89	1.76	13.94
6430	Dis. Bone Acid.....	Weathers, Swann & Co., Roanoke, Ala.....	8.10	5.29	.56	13.89
6433	Tuscaloosa Acid Phosphate.....	Tuscaloosa C. S. Oil Co., Tuscaloosa, Ala.....	13.95	3.98	.62	17.88
6435	H. G. Acid Phosphate.....	Hughes Bros., Florala, Ala.....	12.75	5.56	1.44	18.31
6440	Troy Acid Phosphate.....	Troy Fertilizer Co., Troy, Ala.....	9.85	4.50	2.50	14.35
6441	H. G. Acid Phosphate.....	" " " "	9.25	4.48	1.72	13.73
6442	English Acid Phosphate.....	" " " "	9.90	3.71	3.60	13.61
6443	English Dis. Bone Phosphate.....	" " " "	9.60	3.93	2.72	13.53

Analyses Reported by State Chemist from July 1, 1900, to July 1, 1901.

ACID PHOSPHATES—Continued.

Station No.	NAME OF SAMPLE.	BY WHOM SENT.	PHOSPHORIC ACID.			Commercial Value.
			Water Soluble.	Citrate Soluble.	Acid Soluble.	
(1901) 6450	Excelsior Acid Phosphate	P. J. Ham & Son, Elba, Ala	13.40	3.47	.38	16.87
6451	Pomona .. .. .	.. .. .	1.75	3.47	.18	16.22
6457	Ga. State Grange Acid Phosphate	Hilton, Bently & Cosby, Brantley, Ala.....	10.10	4.05	1.30	14.15
6465	H. G. Acid Phosphate.....	J. T. Ramage, Brundidge, Ala.....	13.55	3.16	2.54	16.71
6466	.. .. .	.. .. .	11.95	6.08	1.98	18.03
6467	.. .. .	.. .. .	9.54	7.17	1.88	16.62
6471	Goulding's H G. Acid Phosphate.....	W. F. McKenzie, Greenville, Ala.....	14.85	3.42	.88	18.27
6474	J. C. Akin & Son's No. Acid Phosphate...	J. C. Akin & Son, Notasulga, Ala.....	10.35	4.41	4.04	14.76
6477	H. G. Acid Phosphate.....	First Bank of Elba, Elba, Ala	12.50	2.67	3.58	15.17
6486	.. .. .	W. E. Townsend, Elrath, Ala.....	.95	9.82	1.48	10.77

6494	H. G. Acid Phosphate	Burks & Coston, Brantley, Ala	8.55	4.51	4.84	13.06
6496	H. G. Dis. Bone... ..	M. F. Patterson, Falkville, Ala	12.50	3.50	3.60	16.00
6501	Acid Phosphate	McMillan & Harrison, Mobile, Ala	14.20	3.65	0.20	17.85
6504	H. G. Acid Phosphate.....	W. S. Crass, Pelham, Ala	11.53	3.21	1.56	14.76
6506	.. .. ..	Troy Fertilizer Co., Troy, Ala	15.30	1.76	1.94	17.06
6507	.. .. ..	G. A. Sanders, Luverne, Ala	15.25	2.34	3.26	17.59
6511	.. English Acid Phosphate.....	A. J. Pittman, Wehodkee, Ala.....	10.45	5.29	4.76	15.74
6515	H. G. Dis. Bone	W. A. Gage & Co., Town Creek, Ala	12.25	4.42	2.08	16.67
(188) 6519	Dis. Bone	Phillips Bros., Oxford, Ala	6.95	8.30	1.00	15.25
6523	Scott's H. G. Acid Phosphate.....	Ingram & Co., Anniston, Ala.....	12.10	4.61	1.04	16.17
6526	Eddystone Dis. Bone	J. Markentepe, Cullman, Ala.....	10.75	5.89	3.66	16.64
6529	H. G. Acid Phosphate.....	S. N. Power, Elba, Ala	13.00	4.07	1.58	17.07
6530	S. & Co's H. G. English Acid Phosphate	Schuessler & Co., Roanoke, Ala	9.45	4.91	5.74	14.36
6537	Pure H. G. Acid Phosphate	Britt & Johnson, Wetumpka, Ala.....	11.80	3.62	.58	15.42
6539	H. G. Acid Phosphate	McEntyre, Henderson & Adams, Ozark, Ala....	13.00	3.81	3.84	16.81
6546	.. .. ..	B. Bullard, Elba, Ala	9.35	7.27	.48	16.62
6549	Imperial Dis. Bone.....	George Kroell, Montevallo, Ala	11.35	3.88	.82	15.23
6551	H. G. Acid Phosphate	H. R. & H., Brantley, Ala	13.35	5.23	3.32	18.58

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ACID PHOSPHATES—Continued.

Station No.	NAME OF SAMPLE.	BY WHOM SENT.	PHOSPHORIC ACID.			Commercial value.
			Water Soluble.	Citrate Soluble.	Acid Soluble.	
(1381) 6558	B'ham H. G. Acid Phosphate.....	Geo. M. Truss & Co., Springville, Ala.....	13.95	5.10	.20	\$19.05
6562	Acid Phosphate.....	J. O. Hodges, Ashville, Ala.....	9.70	6.00	2.50	15.70
6564	Bear Dis. Bone.....	A. P. Howison, Randolph, Ala.....	13.00	5.76	2.84	18.76
6569	H. G. English Acid.....	M. W. Carlyle & Bro., Roanoke, Ala.....	6.90	6.15	6.80	13.05
6576	Matchless Acid Phosphate.....	Sessions & Mizell, Enterprise, Ala.....	7.90	4.19	3.76	12.09
6580	Birmingham Acid.....	T. A. Howle & Co., Oxford, Ala.....	6.75	7.08	.92	13.83
6585	Acid Phosphate.....	F. T. & J. C. Butler, Paint Rock, Ala.....	7.95	5.16	5.84	13.11
6589	Imperial Acid.....	T. G. Land, Cullman, Ala.....	12.20	3.00	1.30	15.20
6589	Stern's H. G. Acid Phosphate.....	Chapman & Co., Geneva, Ala.....	12.70	6.10	1.70	18.80
6592	No. 1 Wet Phosphate.....	J. S. Collins, Geneva, Ala.....	3.50	6.99	4.56	10.49

6593	No. 2 Wet Phosphate.....	J. S. Collins, Geneva, Ala.....	12.15	6.80	.90	18.95
6595	Crescent City Acid Phosphate.....	Crutcher & Ward, Cuba, Ala.....	12.60	4.09	2.76	16.60
6596	I. X. L. Acid Phosphate.....	.....	12.80	5.51	2.04	18.31
6298	Read Phosphate.....	M. P. White, Attalla, Ala.....	9.00	5.68	.92	14.68
6600	Scott's H. G. Acid Phosphate.....	W. J. Silbert, Gadsden, Ala.....	12.35	3.82	.98	16.17
6602	I. X. L. Phosphate.....	Chas. Ivey, Evergreen, Ala.....	10.40	4.46	5.24	14.86
6604	H. G. Acid Phosphate.....	Zena Sheperd, Georgiana, Ala.....	11.10	5.22	2.28	16.32
6606	.....	J. I. Covington, Bertha, Ala.....	8.70	5.82	.98	14.52
(1927) 6612	Acid Phosphate.....	J. W. Grace, Elkmont, Ala.....	8.50	4.54	5.86	13.04
6614	Tenn. Valley Acid Phosphate.....	J. C. Hartselle & Son, Hartselle, Ala.....	6.65	4.26	6.44	10.91
6615	Florence Acid.....	.....	8.35	5.45	6.40	13.80
6618	..... Phosphate.....	W. A. Shaw, Winfield, Ala.....	8.45	4.93	4.02	13.38
6620	Tuscaloosa Acid Phosphate.....	C. R. Maxwell, Northport, Ala.....	13.65	4.58	1.62	18.23
6623	Bear H. G. Dis. Bone.....	Bean & Murray, Heflin, Ala.....	6.95	8.13	1.42	15.18
6627	Sunny South Acid Phosphate.....	Elrod & Gibson, Collinsville, Ala.....	10.10	5.42	3.08	15.52
6629	Ox Acid Phosphate.....	Eranzen & Olson, Thorsby, Ala.....	9.60	6.49	2.86	16.00
6630	Ox H. G. Dis Bone.....	.....	9.45	5.33	2.12	14.78
6632	Cahaba Acid Phosphate.....	T. U. Crumpton, Maplesville, Ala.....	9.80	3.01	.54	13.71

Analyzes Reported by State Chemist from July 1, 1900, to July 1, 1901.

ACID PHOSPHATES.

Station Number.	NAME OF SAMPLE.	BY WHOM SENT.	PHOSPHORIC ACID.			Commercial Value.
			Water Soluble.	Citrate Soluble.	Acid Soluble.	
(see) 6638	Acid.....	Asa Griffith, Hanceville, Ala.....	12.20	4.30	3.20	16.50
6639	Birmingham Acid.....	.. .. .	10.30	3.90	1.05	13.60
6644	XXX Dis. Bone....	G. W. Wise, Madison, Ala.....	7.35	5.65	3.25	13.00
6645	Sunny South.....	.. .. .	9.25	5.35	3.55	14.60
6646	Meridian Southern Acid.....	G. H. Amos, Duck Spring, Ala.....	11.65	4.15	2.30	15.80
6652	Georgia State Grange Acid.....	F. D. Bynum, Bynum, Ala.....	3.75	9.70	1.45	13.45
6655	A. G. Winkler's H. G. Acid Phosphate..	A. G. Winkler, Greenville, Ala.....	17.20	1.75	.25	18.95
6657	Talladega Acid Phosphate.....	John H. Wilson, Jenifer, Ala.....	13.30	3.20	.70	16.50
6660	Ox H. G. Dis. Bone.....	Hertzell & Anderson, Madison, Ala.....	11.10	7.90	.40	19.00
6661	Cahaba Acid Phosphate.....	John H. Wilson, Jenifer, Ala.....	13.20	3.85	.40	17.00

6663	English Acid Phosphate.....	W. W. Burnett, Geneva, Ala.....	12.00	4.45	2.00	16.45
6666	Port Royal Dis Bone.....	Lull & Lacey, Wetumpka, Ala.....	12.35	2.15	.70	14.50
6670	Acid Phosphate.....	Stewart & Hazelwood, Eden, Ala.....	5.40	5.77	.48	11.17
6671	Dis Bone.....	.....	8.35	3.34	.36	11.79
6673	Georgia State Standard.....	D. D. Hughes, Lebanon, Ala.....	2.30	10.73	2.02	13.03
6675	Prolific Acid Phosphate.....	D. D. EcGowen, Cuba, Ala.....	14.50	4.40	.80	18.90
6476	Acid Phosphate.....	Cash Supply Co., Mountafn Creek, Ala.....	11.60	2.07	.08	13.67
6681	No. 1. Dis. Bone.....	Trawick & Jernigan, Opelika, Ala.....	9.50	4.86	3.34	14.36
(137) 6682	No. 2 Dis. Bone.....	.....	10.00	4.25	3.40	14.75
6690	I. X. L. Phosphate.....	W. D. Brown, Graville, Ala.....	11.85	4.05	2.50	15.90
6691	Goulding's H. G. Phosphate.....	.....	12.50	3.60	1.45	16.10
6692	Alabama Pure H. G. Phosphate.....	.....	11.10	4.65	1.95	15.75
6701	Alabama Phosphate.....	Green & Mullins, Active, Ala.....	10.55	5.20	2.55	15.75
6704	Tallapoosa Dis. Bone.....	White & Spigner, Goodwater, Ala.....	10.40	1.15	4.55	11.55
6711	Phosphate Excelsior Bone Compound.....	W. C. Perry, Seale, Ala.....	6.60	6.40	.70	13.00
6716	Eddystone Dis. Bone.....	W. H. Bynum, Boaz, Ala.....	8.25	7.85	2.25	16.10
6718	Alabama Acid Phosphate.....	J. H. Myers, Langston, Ala.....	14.05	2.80	.40	16.85
6721	No. 1 Acid Phosphate.....	J. C. Alford, Childersburg, Ala.....	9.55	8.20	1.05	17.75

Analyses Reported by State Chemist from July 1st, 1900, to July 1st, 1901.

ACID PHOSPHATES—Concluded.

Station No.	NAME OF SAMPLE.	BY WHOM SENT.	PHOSPHORIC ACID.			Commercial value.
			Water Soluble.	Citrate Soluble.	Acid Soluble.	
(881) 6722	No. 2 Acid Phosphate.....	J. C. Alford, Childersburg, Ala.....	12.15	6.15	.95	\$18.30
6729	Magnet Acid.	Davis, Marshall & Co., Mobile, Ala.....	9.55	6.92	2.98	16.47
6732	Piedmont Acid Phosphate.....	R. F. Gilbert, Porterville, Ala.....	7.85	5.71	.54	13.66
6736	H. G. Acid Phosphate.....	Gunter & Elem, Gantt, Ala.....	13.45	3.65	2.80	17.10
6742	Cow Acid.....	McEntire Bros., Cullman, Ala.....	5.90	8.08	4.62	13.98
6743	Bull Acid.....	.....	7.10	4.87	7.88	11.97
6746	Acid Phosphate.....	S. W. Henry, Springville, Ala.....	8.15	5.42	3.98	13.57
6749	XXX Dis. Bone.....	R. Q. Edmondson & Bros., Eufaula, Ala.....	6.85	7.12	2.28	13.97
6755	Acid Phosphate.....	T. L. Johnson & Co., Gadsden, Ala.....	9.65	5.48	1.32	15.13
6756	J. C. Adkin & Son's No. 1 Acid Phosphate	Opelika Chemical Co., Opelika, Ala.....	10.80	5.61	2.54	16.41

6757	Griell Bros. English Acid Phosphate	Opelika Chemical Co., Opelika, Ala.....	10.70	6.59	1.86	17.29
6758	Standard Acid Phosphate .....	.. .. .	11.30	6.00	2.00	17.30
6759	H. G. English Acid Phosphate .....	.. .. .	10.90	6.48	2.02	17.38
6760	S. & Co's H. G. English Acid .....	.. .. .	10.75	6.39	2.46	17.14
6761	H. & T. H. G. Acid Phosphate.....	.. .. .	10.65	6.63	2.52	17.28
6780	H. G. Acid Phosphate	Montgomery Fertilizer Co., Montgomery, Ala..	11.05	5.69	2.26	16.74
6781	Vandiver's XX Acid Phosphate .....	.. .. .	10.25	6.13	2.82	16.38
6782	S. & O. H. G. Acid Phosphate.....	.. .. .	11.05	5.95	2.80	17.00
6783	Thompson's English Acid Phosphate ....	.. .. .	10.95	6.26	1.84	17.21
6784	Star Brand Acid Phosphate.....	.. .. .	10.85	5.76	2.54	16.61
6785	Early Bird H. G. Acid Phosphate.....	.. .. .	10.40	7.25	1.80	17.65
6786	S. & K. English Acid Phosphate.....	.. .. .	11.05	6.81	1.84	17.86
6787	W. L. & Co's H. G. Acid Phosphate.....	.. .. .	11.20	6.18	2.12	17.38
6803	H. G. English Acid Phosphate .....	.. .. .	11.65	4.73	2.42	16.38
6808	H. G. Acid Phosphate	W. B. Willhite, Hartselle, Ala.....	8.80	6.28	2.52	15.08
6811	Dixie Acid Phosphate	C. W. Bell & Son, Lineville, Ala.....	10.90	4.87	4.58	15.77
6812	H. G. Dis. Bone .....	.. .. .	5.70	7.45	5.80	13.15
6815	H. G. Acid Phosphate.....	G. W. Roberts & Co., Collinsville, Ala.....	4.80	7.49	1.86	12.29

Analyses Reported by State Chemist from July 1, 1900, to July 1, 1901.

ACID PHOSPHATE.

Station Number.	NAME OF SAMPLE.	BY WHOM SENT	PHOSPHORIC ACID.			Commercial Value.
			Water Soluble.	Citrate Soluble.	Acid Soluble.	
6821	Marietta H. G. Acid	Reeves, Sanders & Co, Heflin, Ala	11.70	5.14	.26	16.84
6824	Sunny South Acid Phosphate.....	W. B. Vaughn, Elkmomit, Ala	9.00	6.09	6.56	15.09
6827	H. G. Acid Phosphate.....	F. A. Gulledge, Verbena, Ala.....	13.95	5.13	0.42	19.08
6828	Ox Dis. Bone.....	.....	10.75	5.17	2.68	15.92
6830	Coweta H. G. Acid	White & Aubrey, Roanoke, Ala.....	6.90	4.69	3.26	11.59
6838	Sunny South Phosphate	A. B. Vandigraft & Son, Birmingham, Ala....	10.50	5.12	2.98	15.62
6842	English Acid Phosphate.....	E. H. & A. S. Murdock, Coffee Springs, Ala....	10.70	6.32	1.38	17.02
6444	Standard Acid Phosphate.....	Cameron Bros., Notasulga, Ala.....	9.25	5.79	3.46	15.04
6846	Bear H. G. Dis. Bone	T. L. Neighbors & Bros, Goodwater, Ala.....	10.50	4.78	3.02	15.28
6852	Birmingham H. G. Acid Phosphate.....	W. J. Mullins, Clanton, Ala.....	11.40	4.35	.75	15.75

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6856	Marietta H. G. Dis. Bone Acid.....	West & McMurry, Roanoke, Ala.....	6.65	4.77	.78	11.42
6858	Eddystone Dis. Bone.....	Montgomery Bros., Lincoln, Ala.....	10.45	4.79	2.86	15.24
6861	Adair's H. G Dis. Bone.....	John T. Tabor, Keener, Ala.....	10.25	2.10	3.80	12.35
6864	Scott's Acid.....	Haley Bros., Haleyville, Ala.....	12.35	4.04	1.06	16.39
6865	Florence Acid.....	.. .. .	8.85	5.60	4.80	14.45
6866	Bear Acid.....	.. .. .	10.15	5.74	3.16	15.89
6871	Howle Bros. Acid Phosphate.....	Howle Bros., Wetumpka, Ala.....	11.35	6.48	.52	17.83
6873	Phosphate No. 3.....	Ozark C. S Oil Mill and Fert. Co., Ozark, Ala..	8.20	7.15	1.40	15.35
(41) 6875	Black Diamond Acid.....	E. P. Duncan, Alexander City, Ala.....	7.30	7.06	2.54	14.36
6881	Tiger Acid.....	The J. H. Karter Co., Cullman, Ala.....	7.90	6.10	6.20	14.00
6884	English Acid Phosphate.....	T. H. McEntyre, Coffee Springs, Ala.....	9.00	5.77	3.08	14.77
6886	Eagle Acid Phosphate.....	L. O. Cox, Boaz, Ala.....	5.45	8.01	3.84	13.46
6887	Eagle Dis. Bones.....	.. .. .	6.00	8.14	2.16	14.14
6895	Sunny South Acid.....	M. Noble, Avery, Ala.....	9.35	4.54	3.46	13.89
6397	Phosphate.....	Rintz Turner, Thomasville, Ala.....	9.65	4.08	1.22	13.68
6899	Acid Phosphate.....	T. B. Williams, Cullman, Ala.....	9.70	5.62	3.48	15.32
6904	Eagle Acid Phosphate.....	S. J. Baird, Guin, Ala.....	10.55	5.94	5.06	16.49
6905	Tallapoosa H. G. Acid Phosphate.....	Tallapoosa Oil Co, Alexander City, Ala.....	9.90	5.35	.70	15.25

Analyses Reported by State Chemist from July 1, 1900, to July 1, 1901.

ACID PHOSPHATE.

Station Number.	NAME OF SAMPLE.	BY WHOM SENT.	PHOSPHORIC ACID.			Commercial Value.
			Water Soluble.	Citrate Soluble.	Acid Soluble.	
(142) 6220	Cahaba H. G. Acid Phosphate	Birmingham Fertilizer Co., Birmingham, Ala.	12.73	3.79	.20	16.52
6220	Earle Terrell & Co's. H. G. Acid Phos.	.. .. .	12.73	3.79	.20	16.52
6221	Cahaba Standard Grade Phosphate ....	.. .. .	11.33	3.62	.23	14.95
6220	Prolific Acid Phosphate .. .. .	.. .. .	12.73	3.79	.20	16.52

Analyses Reported by the State Chemist from July 1, 1900, to July 1, 1901.

MISCELLANEOUS FERTILIZERS AND FERTILIZING MATERIALS.

Station No.	NAME OF SAMPLE.	BY WHOM SENT.	PHOSPHORIC ACID.			Nitrogen.	Potash.
			Citrate Soluble.	Acid Soluble.	Total.		
(687) 6214	Cotton Seed Meal.....	Tucker & Willingham, LaFayette, Ala.....	.....	.....	2.79	7.14	2.06
6215	.. .. Off.....	.. .. .. .. ..	.....	.....	2.77	6.18	1.62
6216	.. .. .. ..	Mutual Cotton Oil Co., Columbus, Ga.....	.....	.....	.....	7.20	.....
6217	.. .. .. ..	Dothan Dothan, Ala.....	.....	.....	2.80	7.32	1.89
6218	.. .. .. Off.....	.. .. .. .. ..	.....	.....	2.88	6.42	1.87
6219	.. .. .. ..	LaFayette Cotton Oil Co., LaFayette, Ala.....	.....	.....	2.86	6.42	2.01
6255	.. .. .. No. 1.....	Dadeville Oil Mill, Dadeville, Ala.....	.....	.....	2.67	7.11	1.95
6256	.. .. .. No. 2 Off.....	.. .. .. .. ..	.....	.....	2.61	6.86	1.99
6260	.. .. .. ..	Walter Andrews, LaFayette, .. ..	.....	.....	2.65	6.84	2.04
6261	.. .. .. Off.....	.. .. .. .. ..	.....	.....	2.90	6.96	1.94

Analyses Reported by the State Chemist from July 1, 1900, to July 1, 1901.

MISCELLANEOUS FERTILIZERS AND FERTILIZING MATERIALS.

Station No.	NAME OF SAMPLE.	BY WHOM SENT.	PHOSPHORIC ACID.			Nitrogen.	Potash.
			trate Soluble.	Acid Soluble.	Total.		
6283	Cotton Seed Meal No. 2	Greenville Cotton Oil Mill, Greenville, Ala.....	.....	.....	2.98	6.96	2.08
6284	" " " " " 3 Off.....	" " " " " .....	.....	.....	3.10	6.42	1.90
6286	" " " " " "A"	D. E. Huger & Co., Mobile, Ala.....	.....	.....	3.64	6.54	1.92
6287	" " " " " "Z" .....	" " " " " .....	.....	.....	3.48	6.54	1.79
6308	" " " " "	J. T. Scott, Buffalo, Ala .....	.....	.....	3.10	6.54	1.81
6359	" " " " "	Jefferson Cotton Oil Mill, B'ham, Ala. ....	.....	.....	2.42	7.32	1.88
6360	" " " " "	Sylacauga Oil Mill, Sylacauga, " " .....	.....	.....	2.87	7.08	1.72
6361	" " " " "	Richmond Cotton Oil Mill, Sheffield, Ala.....	.....	.....	2.67	6.66	1.72
6362	" " " " "	B. Schmidt & Son, Lincoln, Ala.....	2.97	7.08	1.58
6363	" " " " "	T. G. Connor, Tuskegee, " "	3.02	6.90	1.62

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6364	Cotton Seed Meal	C. C. Woodard, Fruitdale, Ala	3.75	7.08	1.76
6365	Evergreen M'fg Co., Evergreen, Ala.....	2.90	6.84	1.64
6414	.. .. .	Jackson & Chapman, Grand Bay, ..	3.56	6.84	2.15
6488	.. .. . Off	C. C. Woodard, Fruitdale, ..	3.82	7.02	2.82
6489	.. .. . Bright .....	.. .. .	3.25	6.96	1.91
6662	.. .. .	Leder Oil Mills, Demopolis, ..	3.18	6.84	1.84
7048	.. .. .	.. .. .	3.80	6.96	1.60
6202	Bat Manure & Cave Earth.....	L. H. Scruggs, Huntsville, ..	9.35	2.84	1.51
6208	Coarse Horse Manure.....	J. F. Duggar, Auburn, ..	.52	1.27	1.80
6208	Fine Horse Manure .....	.. .. .	.67	.87	1.00
6205	Fertilizer No. 7	Helm Milling Co., Birmingham, ..			2.62
6207	Muriate of Potash	Ozark C. S. Oil Mill & Fert. Co., Ozark ..			56.15
6213	Tankage	B'ham Hide & Tallow Co., B'ham, Ala.....	10.13	6.04	
6226	Fertilizer No. 1748	Mississippi Station, Starksville, Ala			2.75
6251	German Kainit.....	Troy Fertilizer Co., Troy, Ala			13.40
6258	Kainit	Trawick & Jernigan, Opelika, Ala.....			14.12
6281	Ashes	C. C. Woodard, Fruitdale, ..	1.85		1.28
6288	Soil	F. Y. Anderson, Birmingham, ..	.20	.07	.05

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Analyses Reported by the State Chemist from July 1, 1900 to July 1, 1901.

MISCELLANEOUS FERTILIZERS AND FERTILIZING MATERIALS—Concluded.

Station No.	NAME OF SAMPLE.	BY WHOM SENT.	PHOSPHORIC ACID.			Nitrogen.	Potash.
			Citrate Soluble.	Acid Soluble.	Total.		
6289	Soil.....	Prattville Mercantile Co., Prattville, Ala.....			.26	.03	.06
6309	Muriate.....	C. C. Woodard, Fruitdale, Ala.....					51 90
6439	Phosphate Rock.....	J. C. Adams, Montgomery, Ala.....			.45		
6464	Cotton Seed Meal Ash.....	Huntsville Nursery Co., Huntsville, Ala.....	15.68	.60	16.28		1.20
6500	German Kainit.....	McMillan & Harrison, Mobile, Ala.....					12.64
6566	No. 1 Fos- Rock.....	J. A. Alexander, Prattville, Ala.....			1.45		
6567	No. 2 .. ..	.. ..			.40		
6568	No. 3 .. ..	.. ..			.45		
6586	Kainit.....	F. T. & J. C. Butler, Paint Rock, Ala.....					10.74
6636	Marl.....	J. F. Jones, Evergreen, Ala.....			.23		

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6659	Kainit	J. H. Wilson, Jenifer, Ala.....				13.14
6731	German Kainit.....	Davis, Marshall & Co., Mobile, Ala.....				14.14
6849	Phosphate Rock.....	H. S. Houghton, Blount Springs, Ala.....			.32	
6850	.. ..	Prim & Kimbel, Jackson, Ala.....			.22	
7049	.. ..	C. F. Austin, Auburn, Ala.....			.72	
7050	.. ..	A. U. Grouby, Abbeville, Ala.....			.34	
6211	Pure Tobacco Stems.....	Helm Milling Co., Birmingham, Ala.....				9.13
6212	Mixture Tobacco Stems and Filler.....				2.48

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Analyses Reported by State Chemist from July 1st, 1900, to July 1st, 1901.

MISCELLANEOUS SAMPLES FROM THE COMMISSIONER.

Station No.	NAME OF SAMPLE.]	BY WHOM SENT.	PHOSPHORIC ACID.			Nitrogen.	Potash.	Commercial value.
			Water Soluble.	Citrate Soluble.	Acid Soluble.			
6914	No. 806.	Commissioner of Agriculture, Montgomery, Ala.	12.70	3.79	.76	.....	2.40	\$18.89
6915	" 807.	" " " " " " " "	7.40	3.22	3.78	.....	2.59	13.21
6916	" 808.	" " " " " " " "	11.95	5.59	.66	.....	.....	17.54
6917	" 809.	" " " " " " " "	7.95	5.78	4.32	1.28	2.29	18.60
6918	" 810.	" " " " " " " "	11.95	3.10	1.06	.....	2.69	17.83
6919	" 811.	" " " " " " " "	6.35	3.15	2.50	1.60	2.59	16.57
6920	" 812.	" " " " " " " "	11.85	5.07	.88	.....	2.58	19.50
6921	" 813.	" " " " " " " "	11.55	5.10	.80	2.40	19.05
6922	" 814.	" " " " " " " "	7.35	2.66	3.54	1.60	2.10	16.55
6923	" 815.	" " " " " " " "	11.20	6.20	.30	2.05	19.45

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6924	No. 816.....	7.30	3.78	.12	1.94	2.20	18.71
6925	.. 817.....	6.60	3.67	4.08	1.82	2.29	17.66
6926	.. 818.....	6.40	4.20	7.70	1.98	2.13	18.27
6027	.. 819.....	..	..	..	..	..	13.05	3.39	.96	.....	.....	16.44
6928	.. 820.....	..	..	..	..	..	6.50	4.54	2.46	1.00	2.45	16.29
6929	.. 821.....	..	..	..	..	..	7.70	6.21	5.34	.....	.....	13.91
6930	.. 822.....	..	..	..	..	..	7.60	3.53	2.62	1.82	1.80	18.03
6931	.. 823.....	..	..	..	..	..	7.70	5.60	1.90	1.64	1.60	18.49
6932	.. 824.....	..	..	..	..	..	9.35	3.55	6.20	.....	1.41	14.31
6933	.. 825.....	..	..	..	..	..	6.35	3.04	5.96	2.14	1.67	17.05
6934	.. 826.....	..	..	..	..	..	7.75	2.94	1.26	.....	2.40	13.09
6935	.. 827.....	..	..	..	..	..	10.75	2.59	3.36	1.42	2.49	19.81
6936	.. 828.....	..	..	..	..	..	8.70	2.56	.94	1.96	2.31	19.06
6937	.. 829.....	..	..	..	..	..	8.70	2.23	1.52	1.30	2.67	17.24
6938	.. 830.....	..	..	..	..	..	8.35	5.44	.96	.....	.....	13.79
6939	.. 831.....	..	..	..	..	..	10.25	4.08	.72	.28	2.38	19.49
6940	.. 832.....	..	..	..	..	..	7.00	3.34	3.26	1.72	2.40	17.56
6941	.. 833.....	..	..	..	..	..	8.40	4.23	1.42	1.72	2.05	19.50

Analyses Reported by State Chemist from July 1st, 1900, to July 1st, 1901.

MISCELLANEOUS SAMPLES FROM THE COMMISSIONER—Continued.

Station No.	NAME OF SAMPLE.	BY WHOM SENT.	PHOSPHORIC ACID.			Nitrogen.	Potash.	Commercial Value.
			Water Soluble.	Citrate Soluble.	Acid Soluble.			
6942	No. 834.....	Commissioner of Agriculture, Montgomery, Ala	8.70	6.68	2.12	.18	2.57	\$18.45
(cont) 6943	.. 835 .....	.. .. ..	9.55	3.19	1.66	1.88	2.56	20.56
6944	.. 836 .....	.. .. ..	6.95	5.32	8.53	.50	1.32	14.99
6945	.. 837 .....	.. .. ..	7.95	6.81	7.84	.....	.....	14.76
6946	.. 838 .....	.. .. ..	7.95	5.50	2.10	1.72	1.43	19.70
6947	.. 839 .....	.. .. ..	11.30	6.05	2.20	.....	.....	17.35
6948	.. 840 .....	.. .. ..	8.40	4.58	3.82	.98	1.66	17.38
6949	.. 841 .....	.. .. ..	4.55	4.40	1.00	.....	.....	13.95
6950	.. 842 .....	.. .. ..	8.60	3.48	2.12	1.88	2.10	19.44
6951	.. 843 .....	.. .. ..	.....	.....	.....	.....	13.60	13.60

6952	.. 844	..	..	..	..	9.15	3.61	2.34	1.06	2.24	17.97
6953	.. 845	..	..	..	..	12.60	3.50	2.40	.....	.....	16.10
6954	.. 846	..	..	..	..	6.85	4.15	3.50	1.96	1.54	18.03
6955	.. 847	..	..	..	..	11.70	2.93	1.72	.....	.....	14.63
6956	.. 848	..	..	..	..	9.00	1.81	1.34	1.76	1.39	17.13
6957	.. 849	..	..	..	..	7.85	3.43	.82	.12	2.22	13.84
6958	.. 850	..	..	..	..	7.20	4.49	4.06	1.88	2.41	19.36
6959	.. 851	..	..	..	..	7.45	3.80	6.65	1.36	1.80	16.86
(191) 6960	.. 852	..	..	..	..	6.70	2.98	6.32	1.88	1.49	16.43
6961	.. 853	..	..	..	..	11.65	5.56	1.84	.....	.....	17.21
6962	.. 854	..	..	..	..	6.25	4.57	2.28	1.92	2.59	18.79
6963	.. 855	..	..	..	..	7.20	3.92	.78	2.38	2.44	20.22
6964	.. 856	..	..	..	..	5.45	6.62	2.28	.....	.....	12.07
6965	.. 857	..	..	..	..	10.40	4.44	3.66	.....	.....	14.84
6966	.. 858	..	..	..	..	7.50	4.40	5.40	2.18	1.43	19.43
6967	.. 859	..	..	..	..	6.65	3.12	2.68	1.70	2.39	16.92
6968	.. 860	..	..	..	..	5.05	10.42	1.68	.....	.....	15.47
6969	.. 861	..	..	..	..	5.50	4.89	6.66	1.88	2.63	18.28

Analyses Reported by State Chemist from July 1, 1900, to July 1, 1901.

MISCELLANEOUS SAMPLES FROM THE COMMISSIONER.

Station Number.	NAME OF SAMPLE.	BY WHOM SENT.	PHOSPHORIC ACID.			Nitrogen.	Potash.	Commercial Value.
			Water Soluble.	Citrate Soluble.	Acid Soluble.			
6970	No. 862.....	Commissioner of Agriculture, Montgomery, Ala.	9.80	7.37	4.38	.....	.....	17.17
6971	" 863.....	" " " " " "	11.20	5.06	.84	.....	.....	16.26
6972	" 864.....	" " " " " "	8.65	4.65	2.30	2.04	3.83	20.84
6973	" 865.....	" " " " " "	.....	.....	.....	.....	12.28	12.28
6974	" 866.....	" " " " " "	12.40	6.54	2.26	.....	.....	18.94
6975	" 867.....	" " " " " "	4.90	6.06	6.94	1.86	2.31	18.48
6976	" 868.....	" " " " " "	12.65	3.93	.92	.....	.52	17.10
6977	" 869.....	" " " " " "	13.15	3.87	1.08	17.02
6978	" 870.....	" " " " " "	13.00	5.20	1.00	18.20
6979	" 871.....	" " " " " "	8.10	4.85	3.20	.82	2.28	17.53

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698	No. 872.....	1.65	12.79	2.06	14.44
6981	.. 873.....	7.45	8.02	1.38	15.47
6982	.. 874.....	6.80	3.25	2.40	1.72	2.75	17.62
6983	.. 875.....	..	..	..	..	..	7.25	3.96	2.94	2.30	2.14	19.79
6984	.. 876.....	..	..	..	..	..	6.10	3.49	2.66	1.84	1.91	16.65
6985	.. 877.....	..	..	..	..	..	5.44	12.34	.62	.....	.....	17.78
6986	.. 878.....	..	..	..	..	..	7.75	3.47	5.38	1.72	1.64	17.78
6987	.. 879.....	..	..	..	..	..	8.45	5.11	4.84	1.04	1.31	17.78
6988	.. 880.....	..	..	..	..	..	9.10	5.59	3.56	.68	1.67	18.25
6989	.. 881.....	..	..	..	..	..	5.12	10.19	.54	.02	1.42	16.79
6990	.. 882.....	..	..	..	..	..	10.85	3.28	.52	.04	1.19	15.43
6991	.. 883.....	..	..	..	..	..	5.25	3.71	.44	1.20	3.00	15.32
6992	.. 884.....	..	..	..	..	..	6.90	2.90	.95	.....	2.13	11.93
6993	.. 885.....	..	..	..	..	..	10.90	4.69	1.54	.....	.....	15.59
6994	.. 886.....	..	..	..	..	..	7.05	6.35	2.10	.16	2.41	16.26
6995	.. 887.....	8.85	2.95	2.20	12.80
6996	.. 888.....	8.05	2.09	1.36	12.14
6997	.. 889.....	9.70	.35	6.70	2.02	1.69	17.40

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Analyses Reported by State Chemist from July 1st, 1900, to July 1st, 1901.

MISCELLANEOUS SAMPLES FROM THE COMMISSIONER—Continued.

Station No.	NAME OF SAMPLE.	BY WHOM SENT.	PHOSPHORIC ACID.			Nitrogen.	Potash.	Commercial Value.
			Water Soluble.	Citrate Soluble.	Acid Soluble.			
6998	No. 890	Commissioner of Agriculture, Montgomery, Ala	7.10	5.00	4.00	1.78	1.34	\$18.42
6999	.. 891 .....	.. .. .	5.80	4.88	1.22	2.32	2.27	19.45
7000	.. 892 .....	.. .. .	6.00	6.54	1.96	1.24	1.54	17.55
7001	.. 893 .....	.. .. .	7.35	3.04	3.26	1.66	2.29	17.33
7002	.. 894 .....	.. .. .	4.55	9.37	.98	3.54	2.41	25.24
7003	.. 895 .....	.. .. .	2.65	8.14	.86	1.92	2.56	18.73
7004	.. 896 .....	.. .. .	2.20	9.38	.62	2.04	1.91	19.20
7005	.. 897	2.50	9.66	1.84	2.40	2.64	21.32
7006	.. 898	8.55	3.65	3.26	1.24	2.28	17.99
7007	.. 899	9.95	1.35	9.90	11.30

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7008	..	900	8.95	2.65	2.80	1.28	1.04	16.23
7009	..	901	8.20	3.39	1.96	2.24	13.83
7010	..	902	11.60	5.11	1.54	.12	.13	17.18
7011	..	903	.....	..	..	..	..	11.25	6.01	3.04	08	.10	17.58
7012	..	904	.....	..	..	..	..	5.00	4.97	1.98	.....	2.77	12.74
7013	..	905	.....	..	..	..	..	7.90	4.87	6.48	.10	2.91	15.86
7014	..	906	.....	..	..	..	..	6.80	3.51	1.04	2.08	1.51	17.64
7015	..	907	.....	..	..	..	..	7.70	3.52	.88	1.96	2.51	19.22
7016	..	908	.....	..	..	..	..	5.10	3.81	2.04	1.98	2.72	17.17
7017	..	909	.....	..	..	..	..	12.70	3.28	4.82	.....	.....	15.98
7018	..	910	.....	..	..	..	..	7.40	2.06	3.64	2.04	2.09	17.26
7019	..	911	.....	..	..	..	..	7.75	5.49	1.36	1.02	1.28	17.18
7020	..	912	.....	..	..	..	..	8.30	7.43	2.92	..	2.00	17.73
7021	..	913	.....	..	..	..	..	6.85	5.67	4.28	.....	.....	12.52
7022	..	914	.....	..	..	..	..	8.00	2.12	3.98	1.38	2.18	16.16
7023	..	915	7.95	4.21	2.64	1.34	1.22	17.13
7024	..	916	9.25	5.63	2.92	14.88
7025	..	917	9.00	3.44	1.96	1.56	1.57	18.38

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Analyses Reported by State Chemist from July 1, 1900 to July 1, 1901.

MISCELLANEOUS SAMPLES FROM THE COMMISSIONER—Concluded.

Station No.	NAME OF SAMPLE.	BY WHOM SENT.	PHOSPHORIC ACID.			Nitrogen.	Potash.	Commercial Value
			Water Soluble.	Citrate Soluble.	Acid Soluble.			
(991) 7026	No. 918	Commissioner of Agriculture, Montgomery, Ala.	9.15	.50	1.90	1.48	2.73	16.52
7027	.. 919 .....	.. ..	7.60	3.11	2.74	2.02	2.00	18.37
7028	.. 920 .....	.. ..	8.06	3.74	.66	.....	3.22	15.56
7029	.. 921 .....	.. ..	9.20	1.54	1.36	1.70	2.77	18.27
7030	.. 922 .....	.. ..	9.25	4.02	1.58	1.62	1.36	19.17
7031	.. 923 .....	.. ..	10.35	5.64	5.86	.....	.....	15.99
7032	.. 924 .....	.. ..	7.20	8.07	2.08		1.80	17.07
7033	.. 925 .....	.. ..	6.40	3.72	2.78	1.60	1.56	16.55
7034	.. 926 .....	.. ..	6.35	2.15	2.60	1.34	2.24	14.49
7035	.. 927 .....	.. ..	7.90	5.17	1.68	.98	.87	16.63

7036	.. 928	..	..	..	9.35	2.70	1.80	1.64	2.06	18.70
7037	.. 929	..	..	..	13.50	2.18	1.72	.....	.....	15.68
7038	.. 930	..	..	..	6.25	6.33	1.32	.....	.....	12.58
7039	.. 931	..	..	..	6.85	5.96	6.04	.....	2.28	15.09
7040	.. 932	..	..	..	6.00	6.09	7.46	1.40	1.49	17.50
7041	.. 933	..	..	..	5.85	3.81	4.54	1.60	2.32	16.46
7042	.. 934	..	..	..	6.45	4.46	4.04	1.58	1.49	16.82
7043	.. 935	..	..	..	8.15	2.64	1.76	2.02	1.87	18.32
(197) 7044	.. 936	..	..	..	8.15	3.89	2.76	1.46	1.76	17.89
7045	.. 937	..	..	..	13.40	5.34	1.06	.....	.....	18.74
7046	.. 938	..	..	..	8.50	5.34	2.66	1.10	1.12	18.04
7047	.. 939	..	..	..	7.60	2.90	3.20	2.20	2.11	18.77

Guaranteed Analyses of Commercial Fertilizers, Filed in the Office of the Commissioner of Agriculture by Dealers and Manufacturers.

When Received.	Name of Fertilizer or Chemical, by Whom Manufactured, and Where Manufactured.	Weight of Package.	GUARANTEED ANALYSIS.					Relative Commercial Value.
			Nitrogen.	PHOSPHORIC ACID			Potash.	
				Water Soluble.	Citrate Soluble.	Acid Soluble.		
1900								
Oct. 1	Mobile Acid Phosphate & Potash, manufactured by Mobile Phosphate Company, Mobile, Ala	200	8-10	2-4	2-3	1-2	\$ 11 16	
..	Mobile Dissolved Bone and Potash, manufactured by Mobile Phosphate Company, Mobile, Ala	200	8-10	2-4	2-3	2-3	12 17	
..	Mobile Alkali Bone Phosphate, manufactured by Mobile Phosphate Company, Mobile, Ala	200	6-8	2-4	2-3	4-5	12 17	
..	Mobile Ammoniated Fertilizer, manufactured by Mobile Phosphate Company, Mobile, Ala	200	2.06-3	7-9	2-4	15-2	15 77-	
..	Genuine German Kainit, manufactured by Mobile Phosphate Company, Mobile, Ala	200				12-13	23 40 12 13	
..	Mobile 446 Special Truck, manufactured by Mobile Phosphate Company, Mobile, Ala	200	3.30-4.50	3-4	1-2	1-2	4-8	
..	Mobile H. G. Truck Fertilizer, manufactured by Mobile Phosphate Company, Mobile, Ala	200	6.60-8	4-5	2-3	1-2	4-6	
..	L. X. L. Acid Phosphate, manufactured by Mobile Phosphate Company, Mobile, Ala	200		10-12	2-3	2-3	.....
..	English Acid Phosphate, manufactured by Mobile Phosphate Company, Mobile, Ala	200		12-13	2-3	2-3	.....
..	Mobile Standard Guano, manufactured by Mobile Phosphate Company, Mobile, Ala	200	1.65-2.05	6-7	2-3	1.50-2	2-3	
							14 62-	

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Oct. 1	KKK Ammoniated Soluble Bone, manufactured by Mobile Phosphate Company, Mobile, Ala	200	85-1.25	8-10	2-3	1.50-2	1-2	13 38-
..	Eclipse Soluble Guano, manufactured by Mobile Phosphate Company, Mobile, Ala	200	1.65-2.05	7-8	2-3	1.50-2	1-2	18 50
..	Mobile Soluble Bone and Potash, manufactured by Mobile Phosphate Company, Mobile, Ala	200	.....	8-10	2-3	2-3	3-4	20 00
..	Mobile Double Eagle Guano, manufactured by Mobile Phosphate Company, Mobile, Ala	200	1.65-2.50	7.50-	2.50	1.50-2	2-3	13 00-
..	Rhodes Blood and Bone, manufactured by Mobile, Phosphate Company, Mobile, Ala	200	1.65-2.50	8.50	3 50	1.50-2	2-3	17 00
..	Mobile Blood Bone and Potash Compound, manufactured by Mobile Phosphate Company, Mobile, Ala	200	1.65-2.50	6-7	2-3	1.50-2	2-3	15 62-
..	Patapsco Guano Co's XX Acid Phos and Potash, manufactured by Georgia Chemical Works, Augusta, Ga	200	.....	8	2	2	4	21 00
..	Acid Phos and 4% Potash, manufactured by Georgia Chemical Works, Augusta, Ga	200	.....	5	3	2	4	14 62-
..	Bone and Potash, manufactured by Georgia Chemical Works, Augusta, Ga	200	.....	8	2	2	2	20 00
..	Acid Phosphate, manufactured by Georgia Chemical Works, Augusta, Ga	200	.....	10	2	2	1	14 60-
..	Dissolved Bone Phosphate, manufactured by Georgia Chemical Works, Augusta, Ga	200	.....	11	2	2	.....	20 00
..	Mastodon Ammo. Soluble Phos., manufactured by Georgia Chemical Works, Augusta, Ga	200	1.65	7	3	2	2	14 00
..	Georgia Formula, manufactured by Georgia Chemical Works, Augusta, Ga	200	1.65	7	1	1	2	16 62
..	Mascot Soluble Bone, manufactured by Georgia Chemical Works, Augusta, Ga	200	.82	8	2	2	1	14 62
..	XX Acid Phosphate with Potash, manufactured by Georgia Chemical Works, Augusta, Ga	200	.....	8	2	2	4	13 30
..	Acid Phosphate with 4% Potash, manufactured by Georgia Chemical Works, Augusta, Ga	200	.....	5	3	2	4	14 00
..	Bone and Potash, manufactured by Georgia Chemical Works, Augusta, Ga	200	.....	8	2	2	2	12 00

Guaranteed Analyses of Commercial Fertilizers, Filed in the Office of the Commissioner of Agriculture by Dealers and Manufacturers.

When Received-	Name of Fertilizer or Chemical, by Whom Manufactured. and Where Manufactured.	Weight of Package.	GUARANTEED ANALYSIS.					Relative Commercial Value.
			Nitrogen.	PHOSPHORIC ACID.			Potash.	
				Water Soluble.	Citrate Soluble.	Acid Soluble.		
1900								
Oct. 1	Acid Phosphate, manufactured by Georgia Chemical Works, Augusta, Ga.	200		10	2	2	1	\$13 00
..	Dissolved Bone Phosphate, manufactured by Georgia Chemical Works, Augusta, Ga.	200		11	2	2		13 00
..	Muriate of Potash, manufactured by Georgia Chemical Works, Augusta, Ga.	200					48	48 00
..	Genuine German Kainit, manufactured by Georgia Chemical Works, Augusta, Ga.	200					12	12 00
..	Patapsco Guano Company's Patapsco Guano, manufactured by Georgia Chemical Works, Augusta, Ga.	200	1.65	7	3	2	2	16 62
..	Ammoniated Dissolved Bone, manufactured by Georgia Chemical Works, Augusta, Ga.	200	1.65	7	1	1	2	14 62
..	Baltimore Soluble Bone, manufactured by Georgia Chemical Works, Augusta, Ga.	200	.82	8	2	2	1	13 30
..	Muriate of Potash, manufactured by Georgia Chemical Works, Augusta, Ga.	200					48	48 00
..	Genuine German Kainit, manufactured by Georgia Chemical Works, Augusta, Ga.	290					12	12 00
..	Pon Pon Crop Grower—Patapsco Guano Co's, manufactured by Georgia Chemical Works, Augusta, Ga.	200	1.00	7	3	1	2	14 80

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..	Sea Gull Guano, manufactured by Georgia Chemical Works, Augusta, Ga.....	200	1.00	7	3	1	2	14	80	
..	Md. Am. Diss. Bone and Potash, manufactured by Georgia Chemical Works, Augusta, Ga.....	200	1.65	6	3	1	1	14	62	
..	12% Dissolved Bone and Potash, manufactured by Georgia Chemical Works, Augusta, Ga.....	200	.....	10	2	1.50	.....	12	00
..	High Grade Blood and Bone, manufactured by Armour Fertilizer Works, Kansas City, Kas.....	200	7	.....	3	3	.....	22	60
..	Special, manufactured by Armour Fertilizer Works, Kansas City, Kas.....	200	7.50	2	50	2.50	23	50
..	Fine Ground Beef Bone, manufactured by Armour Fertilizer Works, Kansas City, Kas.....	200	2.50	.....	12.50	12.50	.....	19	50
..	Pure Raw Bone Meal, manufactured by Armour Fertilizer Works, Kansas City, Kas.....	200	4	.....	6	7	.....	17	20
..	Acidulated Animal Bone, manufactured by Armour Fertilizer Works, Kansas City, Kas.....	200	2	12	50	4.50	3	22	60
..	Ammoniated Bone and Potash, manufactured by Armour Fertilizer Works, Kansas City, Kas.....	200	2.50	3	4	3	1	15	00	
..	Blood, Bone and Potash, manufactured by Armour Fertilizer Works, Kansas City, Kas.....	167	4	6	3	2	7	27	20	
..	Fertilizer No. 583, manufactured by Armour Fertilizer Works, Kansas City, Kas.....	167	4	5	3	2.50	3	22	20	
..	Fertilizer No. 386, manufactured by Armour Fertilizer Works, Kansas City, Kas.....	167	2.50	5	3	2	6	21	00	
..	Fertilizer No. 285, manufactured by Armour Fertilizer Works, Kansas City, Kas.....	167	1.50	5.50	2.50	1.50	5	17	62	
..	Fertilizer No. 282, manufactured by Armour Fertilizer Works, Kansas City, Kas.....	167	1.50	5.50	2.50	1.50	2	14	62	
..	Fertilizer No. 281, manufactured by Armour Fertilizer Works, Kansas City, Kas.....	167	1.50	5.50	2.50	1.50	1	13	62	
..	Fertilizer No. 272, manufactured by Armour Fertilizer Works, Kansas City, Kas.....	167	1.50	5	2	1.50	2	13	62	
..	Fertilizer No. 271, manufactured by Armour Fertilizer Works, Kansas City, Kas.....	167	1.50	5	2	1.50	1	12	62	

Guaranteed Analyses of Commercial Fertilizers, Filed in the office of the Commissioner of Agriculture by Dealers and Manufacturers.

When Received.	Name of Fertilizer or Chemical, by Whom Manufactured, and Where Manufactured.	Weight of Package.	GUARANTEED ANALYSES					Relative Commercial Value.
			Nitrogen.	PHOSPHORIC ACID.			Potash.	
				Water Soluble.	Citrate Soluble.	Acid Soluble.		
1900								
Oct. 1	African Cotton Grower, manufactured by Armour Fertilizer Works, Kansas City, Kansas.....	167	2.50	5	4	1	3	\$ 19 00
..	Potato Fertilizer, manufactured by Armour Fertilizer Works, Kansas City, Kansas.....	167	3.50	3.50	2.50	1	4	19 40
..	Fertilizer No. 721, manufactured by Armour Fertilizer Works, Kansas City, Kansas.....	167	1.50	4	3	1.50	1	12 20
..	Fertilizer No. 722, manufactured by Armour Fertilizer Works, Kansas City, Kansas.....	167	1.50	4	3	1.50	2	13 20
..	Fertilizer No. 821, manufactured by Armour Fertilizer Works, Kansas City, Kansas.....	167	1.50	4	3	1.50	1	13.20
..	Fertilizer No. 822, manufactured by Armour Fertilizer Works, Kansas City, Kansas.....	167	1.50	5	3	1.50	2	14 20
..	Ammo D. B. and Potash, manufactured by Armour Fertilizer Works, Kansas City, Kansas.....	167	1.50	6.50	3.50	2	2	16 20
..	Acid and Potash, manufactured by Armour Fertilizer Works, Kansas City, Kansas.....	167	.....	7	3	1.50	2	12 00
..	Acid and Potash manufactured by Armour Fertilizer Works, Kansas City, Kansas.....	467	.....	6	2	1	4	12 00
..	Acid Phosphate, manufactured by Armour Fertilizer Works, Kansas City, Kansas.....	200	8	4	2	12 00

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.. Old Plantation Guano, manufactured by Union Fertilizer Co., Atlanta, Ga.....	167	1.64.7	6	2	2	2	14	61
.. Union Cotton Grower, manufactured by Union Fertilizer Co., Atlanta, Ga.....	200	1.64.7	6	2	2	2	14	61
.. Dixie Guano, manufactured by Union Fertilizer Company, Atlanta, Ga.....	200	1.64.7	6	2	2	2	14	61
.. Animal Bone and Peruvian Compound, manufactured by Union Fertilizer Co., Atlanta, Ga.....	200	82.4	7	3	2	1	13	31
.. Merrimac Guano, manufactured by Union Fertilizer Co., Atlanta, Ga.....	200	1.61.7	6	2	2	2	14	61
.. Blood, Bone and Potash, manufactured by Union Fertilizer Co., Atlanta, Ga.....	200	82.4	7	3	2	1	13	31
.. Free Silver 16 to 1 Compound, manufactured by Union Fertilizer Co., Atlanta, Ga.....	200	82.4	7	3	2	1	13	31
.. U. C. Dis: Bone, manufactured by Union Fertilizer Co., Atlanta, Ga.....	200	.....	7	3	2	2	12	00
.. Union Potash Acid Phosphate, manufactured by Union Fertilizer Co., Atlanta, Ga.....	200	.....	7	3	2	2	12	00
.. Dixie Potash Acid Phosphate, manufactured by Union Fertilizer Co., Atlanta, Ga.....	200	.....	7	3	2	2	12	00
.. Merrimac Potash Acid Phosphate, manufactured by Union Fertilizer Co., Atlanta, Ga.....	200	.....	7	3	2	2	12	00
.. Union Acid Phosphate, manufactured by Union Fertilizer Co., Atlanta, Ga.....	200	.....	9	3	2	.....	12	00
.. Dixie Acid Phosphate, manufactured by Union Fertilizer Co., Atlanta, Ga.....	200	.....	9	3	2	.....	12	00
.. Merrimac Acid Phosphate, manufactured by Union Fertilizer Co., Atlanta, Ga.....	200	.....	9	3	2	.....	12	00
.. Bone and Potash Mixture, manufactured by Union Fertilizer Co., Atlanta, Ga.....	200	.....	6	2	2	4	12	00

Guaranteed Analyses of Commercial Fertilizers, Filed in the Office of the Commissioner of Agriculture by Dealers and Manufacturers—Continued.

When Received.	Name of Fertilizer or Chemical, by Whom Manufactured, and Where Manufactured.	Weight of Package.	GUARANTEED ANALYSIS.					Relative Commercial Value.
			Nitrogen.	PHOSPHORIC ACID.			Potash.	
				Water Soluble.	Citrate Soluble.	Acid Soluble.		
1900	Union High Grade Acid Phosphate and Potash, manufactured by Union Fertilizer Co., Atlanta, Ga	200	.....	6	2	2	2	\$10 00
Oct. 1	Taylor's Anti-Sharp-Shooter, manufactured by Union Fertilizer Co., Atlanta, Ga	200	82.4	7	3	2	1	13 31
..	Star Brand, manufactured by Union Fertilizer Company, Atlanta, Ga	200	82.4	7	3	2	1	13 31
..	U. C. Potash Acid Phosphate, manufactured by Union Fertilizer Co., Atlanta, Ga	200	.....	6	2	2	4	12 00
..	Read's Soil Food, manufactured by Read Phosphate Co., Nashville, Tenn	200	1.647-2.47	6-8	2-3	1-2	2-3	14 61
..	Farmer's Special Manure, manufactured by Read Phosphate Co., Nashville, Tenn	200	82-1.64	8-10	2-3	1-2	3-4	15 30
..	Read's Cotton Flower, manufactured by Read Phosphate Co., Nashville, Tenn	200	1.647-2.47	6-8	3-4	1-2	3-4	16 60
..	Wynn's Pacific Guano, manufactured by Read Phosphate Co., Nashville, Tenn	200	1.647-2.47	6-8	2-3	1-2	1-2	13 60
..	Read's Blood and Bone, manufactured by Read Phosphate Co., Nashville, Tenn	200	1.647-2.47	6-8	2-3	1-2	1-2	13 60
..	Read's Matchless Cotton Grower, manufactured by Read Phosphate Co., Nashville, Tenn	200	1.647-2.47	6-8	2-3	1-2	1-2	13 61

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..	Read's Farmers' Friend Fertilizer, manufactured by Read Phosphate Co., Nashville, Tenn.....	200	1.647-2.47	6-8	3-4	1-2	1-2	14	61
..	Read's Blood, Bone and Potash, manufactured by Read Phosphate Co., Nashville, Tenn.....	200	.82-1.647	6-8	2-3	1-2	1-2	13	30
..	Read's Blood and Bone and No. 1, manufactured by Read Phosphate Co., Nashville, Tenn.....	200	1.647-2.47	6-8	2-3	1-2	2-3	14	61
..	Read's Blood and Bone Special, manufactured by Read Phosphate Co., Nashville, Tenn.....	200	.82-1.647	7-10	3-4	1-2	1-2	13	30
..	Read's Alkaline Bone, manufactured by Read Phosphate Co., Nashville, Tenn.....	200	.....	8-10	2-3	1-2	2-3	12	00
..	Read's Bone and Potash, manufactured by Read Phosphate Co., Nashville, Tenn.....	200	.....	8-10	2-3	1-2	2-3	12	00
..	Read's Special Potash Mixture, manufactured by Read Phosphate Co., Nashville, Tenn.....	200	.....	8-10	2-3	1-2	4-6	14	00
..	Read's Acid Phosphate and Pot., manufactured by Read Phosphate Co., Nashville, Tenn.....	200	.....	6-8	2-3	1-2	4-6	12	00
..	Read's Matchless Acid Phosphate, manufactured by Read Phosphate Co., Nashville, Tenn.....	200	.....	10-12	2-3	2-3	...	12	00
..	Read's XXX Dissolved Bone, manufactured by Read Phosphate Co., Nashville, Tenn.....	200	.....	10-12	3-4	2-3	.....	13	00
..	Read's High Grade Acid Phosphate, manufactured by Read Phosphate Co., Nashville, Tenn.....	200	.....	10-12	4-5	2-3	.....	14	00
..	Read's H. G. Amo. Dissolved Bone, manufactured by Read Phosphate Co., Nashville, Tenn.....	200	1.647-2.47	8-10	2-3	1-2	2-3	16	61
..	Satin Staple Guano, manufactured by Read Phosphate Co., Nashville, Tenn.....	200	2.05-3.07	6-8	4-6	2-3	2-3	17	75
..	Missing Link Guano, manufactured by Read Phosphate Co., Nashville, Tenn.....	200	1.02-1.58	6-8	4-6	2-3	2-3	14	85
..	Up to Date Guano, manufactured by Read Phosphate Co., Nashville, Tenn.....	200	.823-1.23	6-8	4-6	2-3	1-2	13	30
..	Peterkin's Improved Formula, manufactured by Read Phosphate Co., Nashville, Tenn.....	200	.....	8-10	4-6	2-3	2-3	14	00
..	Dissolved Bone and Potash, manufactured by Read Phosphate Co., Nashville, Tenn.....	200	.....	6-7	4-5	2-3	2-3	12	00

Guaranteed Analyses of Commercial Fertilizers, filed in the Office of the Commissioner of Agriculture, by Dealers and Manufacturers,

When Received.	Name of Fertilizer or Chemical, by Whom Manufactured, and Where Manufactured.	Weight of Package.	GUARANTEE ANALYSIS.					Relative Commercial Value.
			Nitrogen.	PHOSPHORIC ACID.			Potash.	
				Water Soluble.	Citrate Soluble.	Acid Soluble.		
1960								
Oct. 1	Available Bone Acid Phosphate, manufactured by Read Phosphate Co., Nashville, Tenn.	200	.....	9-10	5-6	2-3	.....	\$ 14 00
..	Electric Acid Phosphate, manufactured by Read Phosphate Co., Nashville, Tenn.	200	.....	8-9	4-5	2-3	.....	12 00
..	Read's Bone and Potash, manufactured by Read Phosphate Co., Nashville, Tenn.	200	.....	8-10	2-3	10-12	2-3	12 00
..	Adair's Acid Phosphate, manufactured by A. D. Adair and McCarty Bros., Atlanta, Ga.	200	.....	7-9	3-4	2-4	.....	10 00
..	Acid Phosphate and Pot., manufactured by A. D. Adair and McCarty Bros., Atlanta, Ga.	200	.....	7-9	3-4	2-4	1-2	13 00
..	Ammoniated Dissolved Bone, manufactured by A. D. Adair and McCarty Bros., Atlanta, Ga.	200	1.75-	7-9	3-4	2-4	.....	11 00
..	Adair's Soluble Pacific Guano, manufactured by A. D. Adair and McCarty Bros., Atlanta, Ga.	200	2.50	5-8	3-4	2-4	2-3	14 00
..	Planters' Soluble Fertilizer, manufactured by A. D. Adair and McCarty Bros., Atlanta, Ga.	200	1.75-	7-8	3-4	2-4	2-3	14 90
..	McCarty's Soluble Bone, manufactured by A. D. Adair and McCarty Bros., Atlanta, Ga.	300	2.50	5-8	3-4	2-4	2-3	16 00
..	Adair's Special Potash Mixture, manufactured by A. D. Adair and McCarty Bros., Atlanta, Ga.	200	83-	7-8	3-4	2-4	2-3	17 00
..	Adair's Special Potash Mixture, manufactured by A. D. Adair and McCarty Bros., Atlanta, Ga.	200	1.25	7-8	3-4	2-4	1-2	14 90
..	Adair's Special Potash Mixture, manufactured by A. D. Adair and McCarty Bros., Atlanta, Ga.	200	.....	7-8	3-4	2-4	1-2	18 00
..	Adair's Special Potash Mixture, manufactured by A. D. Adair and McCarty Bros., Atlanta, Ga.	200	.....	5-8	3-4	2-4	4-6	12 00
..	Adair's Special Potash Mixture, manufactured by A. D. Adair and McCarty Bros., Atlanta, Ga.	200	.....	5-8	3-4	2-4	4-6	15 00

..	Adair's Formula, manufactured by A. D. Adair and McCarty Bros., Atlanta, Ga.	200	7-9	3-4	2-4	2-3	12-00	
..	McCarty's Potash Formula, manufactured by A. D. Adair and McCarty Bros., Atlanta, Ga.	200	7-9	3-4	2-4	2-3	12 00- 15 00	
..	Special Bone and Potash Compound, manufactured by A. D. Adair and McCarty Bros., Atlanta, Ga.	200	7-8	3-4	2-4	4-6	14 00- 17 00	
..	Adair's Soluble Bone and Potash, manufactured by A. D. Adair and McCarty Bros., Atlanta, Ga.	200	7-8	3-4	2-4	2-3	12 00- 15 00	
..	Adair's H. G. Dissolved Bone, manufactured by A. D. Adair and McCarty Bros., Atlanta, Ga.	200	9-12	3-4	2-4	.....	12 00- 15 00	
..	Furman Acid Phosphate, manufactured by Furman Farm Improvement Co., Atlanta, Ga.	200	7-9	3-4	2-4	.....	10 00- 13 00	
..	Furman Acid Phosphate and Potash, manufactured by Furman Farm Improvement Co., Atlanta, Ga.	200	7-9	3-4	2-4	1-2	11 00- 14 00	
..	Furman High Grade Fertilizer, manufactured by Furman Farm Improvement Co., Atlanta, Ga.	200	1 75- 2 50	7-8	3-4	2-4	2-3	16 90- 19 00
..	Buffalo Bone Fertilizer, manufactured by Furman Farm Improvement Co., Atlanta, Ga.	200	1 75- 2 50	5-8	3-4	2-4	2-3	14 90- 17 00
..	Furman Soluble Bone, manufactured by Furman Farm Improvement Co., Atlanta, Ga.	200	88-1.25	7-8	3-4	2-4	1-2	13 38- 16 00
..	Farish Furman Formula, manufactured by Furman Farm Improvement Co., Atlanta, Ga.	200	.....	7-9	3-4	2-4	2-3	12 00- 15 00
..	Furman's H. G. Dissolved Bone, manufactured by Furman Farm Improvement Co., Atlanta, Ga.	200	.....	9-12	3-4	2-4	.....	12 00- 15 00
..	Swift's Special G. Guano, manufactured by Swift's Fertilizer W'ks, Atlanta, Ga.	200	4.12	7-9	2-4	1-3	3	24.03
..	Swift's Monarch H. G. Guano, manufactured by Swift's Fertilizer Works, Atlanta, Ga.	200	3.29	6-8	2-4	1-3	4	21.21
..	Swift's Cotton King H. G. Guano, manufactured by Swift's Fertilizer Works, Atlanta, Ga.	200	2.47	7-9	2-4	1-3	2	17 92
..	Swift's Eagle H. G. Guano, manufactured by Swift's Fertilizer Works, Atlanta, Ga.	200	1.65	7-9	2-4	1-3	2	16 62
..	Swift's Golden Harvest S. G. Guano, manufactured by Swift's Fertilizer Works, Atlanta, Ga.	200	1.65	6-8	2-4	1-3	2	14 62

Guaranteed Analyses of Commercial Fertilizers, Filed in the Office of the Commissioner of Agriculture, by Dealers and Manufacturers.

When Received.	Name of Fertilize. or Chemical, by Whom Manufactured, and Where Manufactured.	Weight of Package	GUARANTEED ANALYSIS.					Relative Commercial Value.
			Nitrogen.	PHOSPHORIC ACID.			Potash.	
				Water Soluble.	Citrate Soluble.	Acid Soluble.		
1900								
Oct. 1	Swift's Pioneer S. G. Guano, manufactured by Swift's Fertilizer Works, Atlanta, Ga	200	1.24	7-9	2-4	1-3	1	\$ 14 47
..	Swift's Cotton Plant S G. Guano, manufactured by Swift's Fertilizer Works, Atlanta Ga	200	1.65	7-9	2-4	1-3	1	14 62
..	Swift's Plow Boy S G. Guano, manufactured by Swift's Fertilizer Works, Atlanta, Ga	200	.82	7-9	2-4	1-3	1	13 30
..	Swift's Homestead H. G. P. & P., manufactured by Swift's Fertilizer Works, Atlanta, Ga	200	.....	8-10	2-4	1-3	4	14 00
..	Swift's Plantation S. G. P. & P., manufactured by Swift's Fertilizer Works, Atlanta, Ga	200	.....	8-10	2-4	1-3	4	14 00
..	Swift's Wheat Grower S. G. P. & P., manufactured by Swift's Fertilizer Works, Atlanta, Ga	200	.....	8-10	2-4	1-3	2	12 00
..	Swift's Atlanta L. G. P. & P., manufactured by Swift's Fertilizer Works, Atlanta, Ga	200	.....	8-10	2-4	1-3	1	11 00
..	Swift's Capital H. G. A. Phos., manufactured by Swift's Fertilizer Works, Atlanta, Ga	200	.....	10-12	2-4	1-3	.....	14 00
..	Swift's Chattahoochie S. G. A. Phos., manufactured by Swift's Fertilizer Works, Atlanta, Ga	200	10-12	2-4	1-3	12 00

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1900	Swift's Empire Std. Guano, manufactured by Swift's Fertilizer Co., Atlanta, Ga.	200	1.65	6-8	2-4	1-3	2	14 62
Oct. 1	Swift's Dixie Std. Phos. and Pot., manufactured by Swift's Fertilizer Co., Atlanta, Ga.	200		8-10	2-4	1-3	2	12-00
	Swift's German Kainit, manufactured by Swift's Fertilizer Co., Atlanta, Ga.	100					12	11 00
	Swift's Ground Bone and Blood, manufactured by Swift's Fertilizer Co., Atlanta, Ga.	200	13.18	16%	Amo.			36 00
	Swift's Muriate Potash, manufactured by Swift's Fertilizer Co., Atlanta, Ga.	200					50	50 00
	Swift's Ground Tankage, manufactured by Swift's Fertilizer Co., Atlanta, Ga.	200	7.31	Amo.		9%		22 46
	Swift's Nitrate of Soda, manufactured by Swift's Fertilizer Co., Atlanta, Ga.	200	15.65	Amo.		19%		43 83
	Bone and Potash, manufactured by Louisville Fertilizer Co., Louisville, Ky.	200		6	4	1	2	12 00
	Eagle Ammoniated Bone, manufactured by Louisville Fertilizer Co., Louisville, Ky.	200	1.65	6	2	1	2	14 62
	Eagle Beef, Blood and Bone, manufactured by Louisville Fertilizer Co., Louisville, Ky.	200	.82	7	3	1	1	13 29
	Teague's Beef Blood and Bone, manufactured by Louisville Fertilizer Co., Louisville, Ky.	200	.82	7	3	1	1	13 29
	Teague's Bone and Potash, manufactured by Louisville Fertilizer Co., Louisville, Ky.	200		7	3	1	2	12 00
	Teague's Acid Phos., manufactured by Louisville Fertilizer Co., Louisville, Ky.	200		8	4	1		12 00
	Eagle Guano, manufactured by Louisville Fertilizer Co., Louisville, Ky.	200	1.65	7	3	1	2	16 62
	Eagle Dissolved Bone, manufactured by Louisville Fertilizer Co., Louisville, Ky.	200		10	4	1		14 00
	Eagle Acid Phos., manufactured by Louisville Fertilizer Co., Louisville, Ky.	200		8	4	1		12 00
	Ox Potash Formula, manufactured by Tennessee Chemical Co., Nashville, Tenn.	200		7	3	1	4	14 00

Guaranteed Analyses of Commercial Fertilizers, Filed in the Office of the Commissioner of Agriculture by Dealers and Manufacturers.

When Received.	Name of Fertilizer or Chemical, by Whom Manufactured, and Where Manufactured.	Weight of Package.	GUARANTEED ANALYSIS.				Relative Commercial Value.	
			Nitrogen.	PHOSPHORIC ACID				
				Water Soluble.	Citrate Soluble.	Acid Soluble.		Potash.
1900								
Oct. 1	Ox Potash Special, manufactured by Tennessee Chemical Co., Nashville, Tenn	200	.....	6	2	1	4	* 12 00
..	Ox Potash Formula, manufactured by Tennessee Chemical Co., Nashville, Tenn	200	.....	8	2	1	4	14 00
..	Ox H. G. Amoniated Bone, manufactured by Tennessee Chemical Co., Nashville, Tenn	200	1.65	6	4	1	2	16 62
..	Ox Cotton Grower, Manufactured by Tennessee Chemical Co., Nashville, Tenn	200	1.65	6	4	1	1	15 62
..	Ox Special Wheat and Corn Guano, manufactured by Tennessee Chemical Co., Nashville, Tenn	200	.85	9	3	1	1	15 38
..	Ox Bone with Ammonia and Potash, manufactured by Tennessee Chemical Co., Nashville, Tenn	200	.85	6	4	1	1	13 38
..	Ox Slaughter House Bone, manufactured by Tennessee Chemical Co., Nashville, Tenn	200	1.65	6	2	1	2	14 62
..	Ox H. G. Diss Bone, manufactured by Tennessee Chemical Co., Nashville, Tenn	200	.....	8	6	1	.....	14 00
..	Ox Alkaline Bone, manufactured by Tennessee Chemical Co., Nashville, Tenn	200	.....	9	3	1	2	14 00
..	Ox Bone and Potash, manufactured by Tennessee Chemical Co., Nashville, Tenn	200	7	5	1	1	13 00

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.. Ox Potash Mixture, manufactured by Tennessee Chemical Co., Nashville, Tenn.	200	8	2	1	2	12 00	
.. Ox Acid Phosphate, manufactured by Tennessee Chemical Co., Nashville Tenn.	200	7	5	1	.....	12 00	
.. Ox Potash Acid, manufactured by Tennessee Chemical Co., Nashville, Tenn.	200	8	2	1	1	11 00	
.. Ox Special Truck Guano, manufactured by Tennessee Chemical Co., Nashville, Tenn.	200	3.30	8	2	1	4	23 24
.. Complete Fertilizer, manufactured by Scholze Bros., Chattanooga, Tenn.	200	1.70	7	2	2	2	15 76
.. Truck Farmer's Friend, manufactured by Scholze Bros., Chattanooga, Tenn.	200	1.70	7	2	2	4	17 76
.. Acid Phosphate, manufactured by Scholze Bros., Chattanooga, Tenn.	200	.....	12	2	1	.....	14 00
.. Marietta H. G. Acid Phosphate, manufactured by Marietta Guano Co., Atlanta, Ga.	200	.....	12-14	2-3	2-3	.....	16 10
.. Marietta H. G. Acid Phosphate with Potash, manufactured by Marietta Guano Co., Atlanta, Ga.	200	.....	8-10	2-3	2-3	1.25- 2.25	13 13
.. Piedmont Acid Phosphate, manufactured by Marietta Guano Co., Atlanta Ga.	200	.....	10-12	2-3	2-3	.....	13 80
.. Magic Cotton Grower, manufactured by Marietta Guano Co., Atlanta, Ga.	200	.....	8-10	2-3	2-3	1-2 1.25-	16 00
.. Beef Blood and Bone Compound, manufactured by Marietta Guano Co., Atlanta, Ga.	200	.....	8-9	2-3	1-3	2 25	16 65
.. Dissolved Bone with Potash, manufactured by Marietta Guano Co., Atlanta, Ga.	200	.....	7-9	2-3	2-3	2-4	12 95
.. Same for Wheat, manufactured by Marietta Guano Co., Atlanta, Ga.	200	.....	7-9	2-3	2-3	2-4	12 95
.. Wheat and Clover Grower, manufactured by Marietta Guano Co., Atlanta, Ga.	200	.....	10-12	2-3	2-3	2-4	16 40
.. Golden Grain Grower, manufactured by Marietta Guano Co., Atlanta, Ga.	200	.....	8-8	2-3	2-3	4-6	14 40
.. M. Y. C. H. G. Dis. Bone, manufactured by Marietta Guano Co., Atlanta, Ga.	200	.....	8-10	2-3	2-3	2-4	14 10

Guaranteed Analyses of Commercial Fertilizers, Filed in the Office of the Commissioner of Agriculture by Dealers and Manufacturers.

When Received.	Name of Fertilizer or Chemical, by Whom Manufactured, and Where Manufactured.	Weight of Package.	GUARANTEED ANALYSIS.					Relative Commercial Value.
			Nitrogen.	PHOSPHORIC ACID.			Potash.	
				Water Soluble.	Citrate Soluble.	Acid Soluble.		
1900								
Oct. 1	Planters Pride Guano, manufactured by Marietta Guano Co., Atlanta, Ga.	200	1.75	7	2	1-3	1.25-2.25	17 50
..	Solid South Guano, manufactured by Marietta Guano Co., Atlanta, Ga.	200	1.75	7	2	1-3	1.25-2.25	17 58
..	Lee Fertilizer, manufactured by Trawick & Jernigan, Opelika, Ala.	200	1.75	8	1	2	2.00	15 90
..	XX Blood and Bone, manufactured by Trawick & Jernigan, Opelika, Ala.	200	1.00	8	1	2	1.00	12 80
..	High Grade Guano, manufactured by Trawick & Jernigan, Opelika, Ala.	200	1.50	7	2	2	1.75	14 95
..	Old Time Guano, manufactured by Trawick & Jernigan, Opelika, Ala.	200	1.25	7	1	2	1.00	12 50
..	XXX Ammoniated Dissolved Bone, manufactured by Trawick & Jernigan, Opelika, Ala.	200	.82	8	1	2	1.00	12 29
..	Dissolved Bone, manufactured by Trawick & Jernigan, Opelika, Ala.	200	.....	12	1	2	.....	13 00
..	Dissolved Bone and Potash, manufactured by Trawick & Jernigan, Opelika, Ala.	200	.....	10	2	2	1	13 00
..	Dissolved Bone and Potash, manufactured by Trawick & Jernigan, Opelika, Ala.	200	10	2	1	1	12 00

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.. Dissolved Bone and Potash, manufactured by Trawick & Jernigan, Opelika, Ala.....	200	9	2	2	2	18 00
.. Dissolved Bone and Potash, manufactured by Trawick & Jernigan, Opelika, Ala.....	200	.....	9	1	2	2	12 00
.. Dissolved Bone and Potash, manufactured by Trawick & Jernigan, Opelika, Ala.....	200	.....	9	1	2	3	13 00
.. Dissolved Bone and Potash, manufactured by Trawick & Jernigan, Opelika, Ala.....	200	.....	8	1	2	3	12 00
.. H. G. English Acid, manufactured by Trawick & Jernigan, Opelika, Ala.....	200	.....	12	2	2	2	14 00
.. Dissolved Bone, manufactured by Trawick & Jernigan, Opelika, Ala.....	200	.....	11	1	2	.....	12 00
.. Dale County Standard Fertilizer, manufactured by Ozark Cotton Seed Oil Mill Fertilizer Co., Ozark, Ala.....	200	1.20	7	2	1	2	16 80
.. Ozark High Grade Fertilizer, manufactured by Ozark Cotton Seed Oil Mill Fertilizer Co., Ozark, Ala.....	200	1.20	7	2	1	2	16 80
.. Complete Cotton Fertilizer, manufactured by Ozark Cotton Seed Oil Mill Fertilizer Co., Ozark, Ala.....	200	1.65	6	1.70	1	2	14 62
.. Ozark High Grade Phosphate, manufactured by Ozark Cotton Seed Oil Mill Fertilizer Co., Ozark, Ala.....	200	.....	3	11	2	.....	14 00
.. English Acid Phosphate, McDonald, imported by Troy Fertilizer Co., Troy, Ala.....	200	.....	11	3	.....	.....	14 00
.. Blood and Bone, McDonald, imported by Troy Fertilizer Co., Troy, Ala.....	200	1.65	7	2	.....	2	15 62
.. English Dissolved Bone, Buford & Co., imported by Troy Fertilizer Co., Troy, Ala.....	200	.....	11	3	.....	.....	14 00
.. Dissolved Bone and Potash, manufactured by The Troy Fertilizer Co., Troy, Ala.....	200	.....	7	2	.....	8	12 00
.. Acid Phosphate and Potash, manufactured by The Troy Fertilizer Co., Troy, Ala.....	200	.....	7	2	.....	3	12 00
.. German Kainit, manufactured by The Troy Fertilizer Co., Troy, Ala.....	200	.....	.....	.....	.....	12	12 00
.. The Troy Acid Phosphate, manufactured by The Troy Fertilizer Co., Troy, Ala.....	200	.....	10.50	2.50	.....	.....	18 00

Guaranteed Analysis of Commercial Fertilizers, Filed in the Office of the Commissioner of Agriculture by Dealers and Manufacturers.

When Received.	Name of Fertilizer or Chemical, by Whom Manufactured, and Where Manufactured.	Weight of Package	GUARANTEED ANALYSIS.					Relative Commercial Value
			Nitrogen.	PHOSPHORIC ACID.			Potash.	
				Water Soluble.	Citrate Soluble.	Acid Soluble.		
1900								
Oct. 1	H. G. Acid Phosphate, manufactured by the The Troy Fertilizer Co., Troy, Ala.....	200	11	3	\$ 14 00
..	Pelican R. B Guano, manufactured by Standard G & C. Mfg. Co., New Orleans, La.....	100-200	1.65-2.50	4-5	4-5	.....	1.50-3
..	Miss. Home Guano, manufactured by G. & G. Mfg. Co., New Orleans, La.....	100-200	1.65-3.29	4-6.50	5-8.50	.....	24.25
..	Blood, Bone and Meat Guano, manufactured by Standard G. & C. Mfg. Co., New Orleans, La.....	100-200	1.70-2.67	4-8	4.25-6.25	.....	24.25
..	Stern's Am. R. B. Sup. Phos, manufactured by Standard G, & C. Mfg Co., New Orleans, La.....	100-200	1.65-2.50	4-5	5.00-5.50	.....	1.50-3
..	Standard Am. Sol. Guano, manufactured by Standard G. & C. Mfg. Co., New Orleans, La.....	100-200	1.65-3.50	4-5	4-5	.....	1.50-3
..	Champion Farmers' Choice, manufactured by Standard G. & C, Mfg. Co., New Orleans, La.....	100-200	1.65-2.50	4-5	4-5	.....	1.50-3
..	Ground Bone, manufactured by Standard G. & C. Mfg Co., New Orleans, La.....	100-200	2.50-3.25	.....	.....	18.50-21.00	.....
..	Dissolved Bone, manufactured by Standard G. & C. Mfg. Co., New Orleans, La.....	100-200	.....	13-14	2-5	.....	.....
..	Acid Phosphate, manufactured by Standard G. & C. Mfg. Co., New Orleans, La.....	100-200	10-12	2-4	

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..	Kainit, Manufactured by Standard G. & C. Manufacturing Co., New Orleans, La.	100- 200									12-14
..	Farmers Alliance, manufactured by The Troy Fertilizer Company, Troy, Ala.	200	1.65	7	2				2		15 62
..	Blood and Bone, manufactured by The Troy Fertilizer Company, Troy, Ala.	200	1.65	6.50	1.50				2		14 62
..	Dundee Guano, manufactured by The Troy Fertilizer Company, Troy, Ala.	200	.82	8	2				1		13.30
..	Old Homestead, manufactured by The Troy Fertilizer Company, Troy, Ala.	200	.82	8	2				1		13 30
..	Big Hit Guano, manufactured by The Troy Fertilizer Company, Troy, Ala.	200	.82	8	2				1		13 30
..	Troy Perfect, manufactured by The Troy Fertilizer Company, Troy, Ala.	200	1.65	7	2				2		15 62
..	Nancy Hanks, manufactured by The Troy Fertilizer Company, Troy, Ala.	200	1.65	7	2				2		15 62
..	Meal Mixture, manufactured by The Troy Fertilizer Company, Troy, Ala.	200	1.65	7	2				2		15 62
..	Hume's Am. Dissolved Bone, manufactured by The Troy Fer- tilizer Company, Troy, Ala.	200	1.65	7	2				2		15 62
..	Pike's Pride, manufactured by The Troy Fertilizer Company, Troy, Ala.	200	1.65	7	2				2		15 62
..	Soluble Blood and Bone Guano, manufactured by The Troy Fer- tilizer Company, Troy, Ala.	200	.82	8	2				1		13 30
..	Soluble Pacific Guano, manufactured by the Pacific Guano Co., Boston, Mass., and Charleston, S. C.	200	1.75	6.50	2.00	2.00	1.00				14 40
..	Meridian Home Mixture, manufactured by Meridian Fertilizer Factory, Meridian, Miss.	200	1.65	7.50	1.50	.75	2.00				15 12
..	Meridian Blood and Bone, manufactured by Meridian Fertilizer Factory, Meridian, Miss.	200	1.65	7.50	1.50	.75	2.00				15 12
..	Meridian Farmers' Friend, manufactured by Meridian Fertilizer Factory, Meridian, Miss.	200	1.25	7.50	1.50	.75	1.00				13.12
..	Meridian Southern Phosphate, manufactured by Meridian Fer- tilizer Factory, Meridian, Miss.	200		12.00	2.00	1.00					14 00

Guaranteed Analyses of Commercial Fertilizers, Filed in the Office of the Commissioner of Agriculture by Dealers and Manufacturers.

When Received-	Name of Fertilizer or Chemical, by Whom Manufactured. and Where Manufactured.	Weight of Package.	GUARANTEED ANALYSIS.					Relative Commercial Value.
			Nitrogen.	PHOSPHORIC ACID.			Potash.	
				Water Soluble.	Citrate Soluble.	Acid Soluble.		
1900								
Oct. 1	Meridian English Phos. manufactured by Meridian Fertilizer Factory, Meridian, Mississippi	200	.....	8.00	2.00	1.00	.....	\$12 00
..	Bowker Cotton Fertilizer, manufactured by Bowker Fertilizer, Co., Elizabeth, N. J.	200	1.65	6	2	2	1	14 62
..	Bowker Naston Guano. manufactured by Bowker Fertilizer Co., Elizabeth, N. J.	200	1.65	6	2	2	1	14 62
..	Bowker Crown Guano, manufactured by Bowker Fertilizer Co., Elizabeth, N. J.	200	1.65	6	2	2	1	14 62
..	Bowker Sure Crop Fertilizer, manufactured by Bowker Fert. Co., Elizabeth, N. J.	200	1.65	6	2	2	1	14 62
..	Bowker Dis. Bone Phos., manufactured by Bowker Fert. Co., Elizabeth, N. J.	200	.....	10	2	2	.....	12 00
..	Bowker Dis. Bone with Potash, manufactured by Bowker Fert. Co., Elizabeth, N. J.	200	.....	8	2	2	2	12 00
..	Kainit, manufactured by Bowker Fertilizer Company, Elizabeth, N. J. ....	.....	.....	.....	.....	.....	12	12 00
..	Ashepoo Fert., manufactured by Ashepoo Fertz. Co., Charleston, S. C.	200	1.75	6 25	2.25	2.00	1.00	14 40
..	Eutaw Fertilizer, manufactured by Ashepoo Fertz. Co., Charleston, S. C.	200	1.75	6.25	2.25	2 00	1.00	14 40

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Oct. 1	Ashepool Guano, manufactured by Ashepool Fertz. Co., Charleston, S. C.	200	2.10	6.00	2.00	1.00	1.00	14 88
..	Eutaw Blood and Bone Guano, manufactured by Ashepool Fertz. Co., Charleston, S. C.	200	.85	6.00	2.00	3.00	1.00	11 38
..	Ashepool Blood and Bone Guano, manufactured by Ashepool Fertz. Co., Charleston, S. C.	200	.85	6.00	2.00	3.00	1.00	11 38
..	Ashepool Dis. Bone with Am. and Potash, manufactured by Ashepool Fertz. Co., Charleston, S. C.	200	.85	6.00	2.00	3.00	1.00	11 38
..	Eutaw Guano, manufactured by Ashepool Fertz. Co., Charleston, S. C.	200	1.75	6.25	2.25	2.00	2.00	15 40
..	Enon Acid Phos., manufactured by Ashepool Fertz. Co., Charleston, S. C.	200	.....	8.50	2.00	2.00	2.00	12 50
..	Pioneer Acid Phos., manufactured by Ashepool Fertz. Co., Charleston, S. C.	200	.....	8.50	2.00	2.00	1.00	11 50
..	Ashepool Bone Ash, manufactured by Ashepool Fertz. Co., Charleston, S. C.	200	.....	8.50	2.00	1.00	1.00	11.50
..	Ashepool XX Acid Phos., manufactured by Ashepool Fertz. Co., Charleston, S. C.	200	.....	9.50	2.50	2.00	.....	12 00
..	Eutaw XX Acid Phos., manufactured by Ashepool Fertz. Co., Charleston, S. C.	200	.....	9.50	2.50	2.00	.....	12 00
..	Bronwood Acid Phos., manufactured by Ashepool Fertz. Co., Charleston, S. C.	200	.....	6.00	2.00	2.00	4.00	12 00
..	Eutaw Acid with Potash, manufactured by Ashepool Fertz. Co., Charleston, S. C.	200	.....	8.50	2.00	2.00	1.00	11 50
..	German Kainit, manufactured by Ashepool Fertz. Co., Charleston, S. C.	200	.....	.....	.....	.....	11.00	11 00
..	Carolina Acid Phos., manufactured by Ashepool Fertz. Co., Charleston, S. C.	200	.....	6.00	2.00	2.00	4.00	12 00
..	Coomassie A. P. with Potash, manufactured by Ashepool Fertz. Co., Charleston, S. C.	200	.....	9.50	2.50	1.00	2.00	14 00
..	Ashepool Acid Phos. with Potash, manufactured by Ashepool Fertz. Co., Charleston, S. C.	200	.....	8.50	2.00	2.00	1.00	11 50
..	Ashepool Acid Poash, manufactured by Ashepool Fertz. Co., Charleston, S. C.	200	.....	8.50	2.00	1.00	.....	10 50

Guaranteed Analyses of Commercial Fertilizers, Filed in the Office of the Commissioner of Agriculture by Dealers and Manufacturers—Continued.

When Received.	Name of Fertilizer or Chemical, by Whom Manufactured, and Where Manufactured.	Weight of Package.	GUARANTEED ANALYSIS					Relative Commercial Value.
			Nitrogen.	PHOSPHORIC ACID.			Potash.	
				Water Soluble.	Citrate Soluble.	Acid Soluble.		
1900								
Oct. 1	Eutaw Acid Phosphate, manufactured by Ashepoo Fertilizer Co., Charleston, S. C	200	.....	8.50	2 00	1.00	.....	10 50
..	Coomassie Acid Phosphate, manufactured by Ashepoo Fertilizer Co., Charleston, S. C	200	.....	9.50	2.50	2.00	.....	12 00
..	Blood and Bone and Potash, manufactured by New Orleans Acid and Chemical Co., New Orleans, La	200	.823	7.00	3	2	1	13 30
..	Acid Phosphate with 4% Potash, manufactured by Potapseo Guano Co., Baltimore, Md.	200	.....	5.00	3	2	4	12 00
..	Ammoniated Dissolved Bone and Potash, manufactured by Dothan Guano Co., Dothan, Ala	200	.823	8.00	2	2	2	14 30
..	Standard Grade Corn and Cotton Compo., manufactured by Dothan Guano Co., Dothan, Ala	200	1.65	7.00	2	1	2	15 62
..	Standard Grade Grange Mixture, manufactured by Dothan Guano Co., Dothan, Ala	200	1.65	5.50	2	1	3	15 12
..	Peterman's Leader, manufactured by Dothan Guano Co., Dothan, Ala	200	.82	8 00	2	1	1	13 30
..	Grange Mixture, manufactured by Dothan Guano Company, Dothan, Ala	200	1.65	5.50	1 25	1	3	14 37
..	Corn and Cotton Compound, manufactured by Dothan Guano Co., Dothan, Ala.	200	1.65	7.00	1.00	1	2	14 62

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Howell's Fruit Food, manufactured by Dothan Guano Company, Dothan, Ala	200	1.50	5.50	2.00	1	3 1-2	15 20
Phosphate with 3% Potash, manufactured by Dothan Guano Co, Dothan, Ala	200	.....	8.00	1.50	1	3	12 50
High Grade Acid Phosphate, manufactured by Dothan Guano Co. Dothan, Ala	200	.....	11.00	2.00	1	.....	13 00
Blood and Bone Fertilizer, manufactured by Dothan Guano Co, Dothan, Ala	200	1.65	7.00	2.00	1	2	15 62
Ammoniated Dissolved Bone, manufactured by Dothan Guano Co., Dothan, Ala	200	.82	8.00	2.00	1	1	13 30
Genuine German Kainit, manufactured by Dothan Guano Co., Dothan, Ala	200	.....	.....	.....	.....	12%	12 00
B. D. Seafowl Guano, manufactured by Bradley Fertilizer Co., Charleston, S. C	200	1.85	6.50	2.50	2.00	1.00	15 18
Bradley's Patent Superphosphate, manufactured by Bradley Fer- tilizer Co., Charleston, S. C	200	1.85	6.50	2.50	2.00	1.00	15 18
Ammoniated Dissolved Bone, manufactured by Bradley Fertilizer Co., Charleston, S. C	200	1.65	6.00	2.00	2.00	1.00	13 62
Eagle Am Bone Superphosphate, manufactured by Bradley Fer- tilizer Co., Charleston, S. C	200	1.65	6 00	2.00	2.00	1.00	13 62
Bradley's Palmato Acid Phosphate manufactured by Bradley Fer- tilizer Co., Charleston, S. C	200	.....	9.00	3 00	2 00	.....	12 00
Cow Phosphate Acid, manufactured by Cullman Cotton Company, Cullman, Ala	200	.....	12-13	1-2	2-3	.....	13 00
Bull Phosphate Acid, manufactured by Cullman Cotton Company, Cullman, Ala	200	.....	12-14	2-4	1-2	.....	11 00
Corn and Cotton Guano, manufactured by Cullman Cotton Co., Cullman, Ala	200	.82-100- 1	.....	.....	10-11	1.1-15	13 30
Cow Guano, manufactured by Cullman Cotton Company, Cull- man, Ala	200	1.65-2	.....	.....	10-12	1.1-15	15 62
Guano No. 8—P., manufactured by Cullman Cotton Company, Cullman, Ala	200	.....	8	2	.....	4	14 00
Guano No. 3—S., manufactured by Cullman Cotton Company, Cullman, Ala	200	1.65	6	2	.....	2	14 62

Guaranteed Analyses of Commercial Fertilizers, Filed in the Office of the Commissioner of Agriculture, by Dealers and Manufacturers.

When Received.	Name of Fertilize. or Chemical, by Whom Manufactured, and Where Manufactured.	Weight of Package.	GUARANTEED ANALYSIS.				Relative Commercial Value.	
			Nitrogen.	PHOSPHORIC ACID.				Potash.
				Water Soluble.	Citrate Soluble.	Acid Soluble.		
1900								
Oct. 1	Best Made, manufactured by Cullman Cotton Co., Cullman, Ala	200	1.65	8	2	1.17	2	\$16 62
..	Cow Cotton Guano, manufactured by Cullman Cotton Co., Cullman, Ala	200	1.65	8.21	1.79	1.32	1	15 62
..	Corn and Cotton Guano, manufactured by Cullman Cotton Co., Cullman, Ala	200	.82	7.35	2.65	1.83	1	13 80
..	Cow Acid Phosphate, manufactured by Cullman Cotton Co., Cullman, Ala	200	.....	12%	1%	2%	.....	15 00
..	Bull Acid Phosphate, manufactured by Cullman Cotton Co., Cullman, Ala	200	.....	12%	2%	1%	.....	14 00
..	No. 5 B Phosphate, manufactured by Cullman Cotton Co., Cullman, Ala	200	1.65	7	2	.....	2	15 62
..	No. 6 A., manufactured by Cullman Cotton Co., Cullman, Ala	200	1.50	7	2	.....	2	15 20
..	No. 9 C., manufactured by Cullman Cotton Co., Cullman, Ala	200	1.65	8	2	.....	1	15 62
..	Guano 16. P., manufactured by Cullman Cotton Co., Cullman, Ala	200	.....	12	.....	.....	4	16 00
..	Mountain City Lint, manufactured by Cullman Cotton Co., Cullman, Ala	200	.82	6	4	1	4	16 30

Oct. 1	Mountain City Lint, No. 2, manufactured by Cullman Cotton Co., Cullman, Ala	200	1.65	6	4	1	4	18 60
..	Corn and Cotton Lint No. 2, manufactured by Cullman Cotton Co., Cullman, Ala	200	1.65	10	2	.....	2	16 60
..	No. 1024, manufactured by Cullman Cotton Co., Cullman, Ala	200	1.65	8	2	1	4	18 60
..	No. 735, manufactured by Cullman Cotton Co., Cullman, Ala	200	2.50	6	1	1	5	19 00
..	No. 1034, manufactured by Cullman Cotton Co., Cullman, Ala	200	2.50	8	2	1	4	21 00
..	No. 1023, manufactured by Cullman Cotton Co., Cullman, Ala	200	1.65	8	2	1	3	17 62
..	No. 823, manufactured by Cullman Cotton Co., Cullman, Ala	200	1.65	6	2	1	3	15 62
..	No. 822, manufactured by Cullman Cotton Co., Cullman, Ala	200	1.65	6	2	1	2	14 62
..	No. 1022, manufactured by Cullman Cotton Co., Cullman, Ala	200	1.65	8	2	1	2	19 62
..	No. 922, manufactured by Cullman Cotton Co., Cullman, Ala	200	1.65	7	1.50	1	2	15 12
..	No. 1021, manufactured by Cullman Cotton Co., Cullman, Ala	200	1.65	8	2	1	1	15 62
..	No. 1014, manufactured by Cullman Cotton Co., Cullman, Ala	200	.82	8	2	1	4	16.30
..	Acid and Potash No. 2, manufactured by Home Mixture Guano Co., Columbus, Ga.	200	.....	8	2	2	2	12 00
..	Acid and Potash No. 12-2, manufactured by Home Mixture Guano Co., Columbus, Ga.	200	.....	8	4	2	2	14 00
..	Acid and Potash No. 4, manufactured by Home Mixture Guano Co., Columbus, Ga.	200	.....	6	2	2	4	12 00
..	Home Mixture No 1, manufactured by Home Mixture Guano Co., Columbus, Ga.	200	1.65	7	2	2	1	14 62
..	Home Mixture No. 2, manufactured by Home Mixture Guano Co., Columbus, Ga.	200	1.65	6	2	2	2	14 62

Guaranteed Analyses of Commercial Fertilizers, Filed in the office of the Commissioner of Agriculture by Dealers and Manufacturers.

When Received.	Name of Fertilizer or Chemical, by Whom Manufactured, and Where Manufactured.	Weight of Package	GUARANTEED ANALYSES					Relative Commercial Value.
			Nitrogen.	PHOSPHORIC ACID.			Potash.	
				Water Soluble.	Citrate Soluble.	Acid Soluble.		
1900								
Oct. 1	Home Mixture No 3, manufactured by Home Mixture Guano Co., Columbus, Ga.	200	1.65	8	2	2	2	\$ 16 62
..	Home Mixture No 4, manufactured by Home Mixture Guano Co., Columbus, Ga.	200	1.65	6	2	2	4	16 62
..	Acid Phosphate No. 1, manufactured by Home Mixture Guano Co., Columbus, Ga.	200	.....	10	2	2	.....	12 00
..	Acid Phosphate No. 2, manufactured by Home Mixture Guano Co., Columbus, Ga.	200	.....	12	2	2	.....	14 00
..	Potatoe Mixture, manufactured by Home Mixture Guano Co., Columbus, Ga.	200	1.65	4	2	1	6	16 62
..	Kainit, manufactured by Home Mixture Guano Co., Columbus, Ga.	200	.....	.....	.....	.....	12	12 00
..	Goldsmith Imported Mixture, manufactured by New Orleans Acid and Fertilizer Co., Gretna, La.	200	1.65	7.00	2.00	2.00	1.00	14 62
..	Gold Dust, manufactured by New Orleans Acid and Fertilizer Co., Gretna, La.	200	1.65	7.00	2.00	2.00	1.00	14 62
..	Blood, Bone and Potash, manufactured by New Orleans Acid and Fertilizer Co., Gretna, La.	200	1.65	7.00	2.00	2.00	1.00	14 62
..	Good Luck, manufactured by New Orleans Acid and Fertilizer Co., Gretna, La.	200	1.65	7.00	2.00	2.00	1.00	14 62

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..	Dixie Soluble Bone and Potash with Ammonia, manufactured by New Orleans Acid and Fertilizer Co., Gretna, La.....	200	1.65	6.00	1.00	2.00	1.00	12 62
..	Diss. Bone and Potash, manufactured by New Orleans Acid and Fertilizer Co., Gretna, La.....	200	.....	8.00	2.00	2.00	2 00	12 00
..	Acid and Potash, manufactured by New Orleans Acid and Fertilizer Co., Gretna, La.....	200	.....	8.00	2.00	2.00	4.00	14 00
..	Black Diamond Acid Phosphate, manufactured by New Orleans Acid and Fertilizer Co., Gretna, La.....	200	.....	10.00	2.00	2.00	....	12 00
..	Crescent City Acid Phosphate, manufactured by New Orleans Acid and Fertilizer Co., Gretna, La.....	200	.....	10.00	2.00	2.00	.....	12 00
..	W. O. C. A. Pure Blood Guano, manufactured by Coweta Fertilizer Co., Newnan and Columbus, Ga.....	167	1.65	8	2	1	2	16 62
..	Coweta H. G. Fertilizer, manufactured by Coweta Fertilizer Co., Branch Virginia-Carolina Chemical Co., Newnan, Ga....	200	1.65	8	2	1	2	16 62
..	Coweta Animal Bone, manufactured by Coweta Fertilizer Co., Branch Virginia-Carolina Chemical Co., Newnan, Ga.....	200	1.65	6	2	1	2	14 62
..	Sea Bird Guano manufactured by Coweta Fertilizer Co., Branch Virginia-Carolina Chemical Co. Newnan, Ga.....	200	1.65	6	2	1	2	14 62
..	Aurora Amo. Phosphate, manufactured by Coweta Fertilizer Co., Branch Virginia-Carolina Chemical Co., Newnan, Ga.....	200	1.65	7	2	1	1	14 62
..	Coweta Stand. Dis. Bone and Potash, manufactured by Coweta Fert. Co., Branch Virginia-Carolina Chemical Co., Newnan, Ga.	200	.....	8	2	1	2	12 00
..	Coweta Wheat and Grass Grower, manufactured by Coweta Fert. Co., Branch Virginia-Carolina Chemical Co., Newnan, Ga.	200	....	8	2	1	2	12 00
..	Coweta H. G. Acid Phosphate, manufactured by Coweta Fert. Co., Branch Virginia-Carolina Chemical Co., Newnan, Ga.....	200	.....	12	2	1	.....	14 00
..	Coweta Standard Acid Phosphate, manufactured by Coweta Fert. Co., Branch Virginia-Carolina Chemical Co. Newnan, Ga.....	200	.....	10	2	1	.....	12 00
..	Coweta Diss. Bone, manufactured by Coweta Fertilizer Co., Branch Virginia-Carolina Chemical Co., Newnan, Ga.....	200	.....	10	2	1	.....	12 00
..	I. A. P. Bone with Amonia and Potash, manufactured by Coweta Chemical Co., Branch Virginia-Car Chemical Co., Newnan, Ga.	200	.83	8	2	1	1	13 31
..	13 & 14 Diss. Bone and Potash, manufactured by Coweta Fert. Co., Branch Virginia-Carolina Chemical Co., Newnan, Ga.....	200	.....	11	2	1	4	17 00

Guaranteed Analyses of Commercial Fertilizers, Filed in the Office of the Commissioner of Agriculture by Dealers and Manufacturers.

When Received.	Name of Fertilizer or Chemical, by Whom Manufactured, and Where Manufactured.	Weight of Package.	GUARANTEED ANALYSIS*					Relative Commercial Value.
			Nitrogen.	PHOSPHORIC ACID.			Potash.	
				Water Soluble.	Citrate Soluble.	Acid Soluble.		
1900								
Oct. 1	10 & 4 Dissolved Bone and Potash, manufactured by Coweta Fert. Co., branch Virginia-Carolina Chemical Co., Newnan, Ga.	200	.....	8	2	1	4	\$ 14 00
..	8 & 4 Dissolved Bone and Potash, manufactured by Coweta Fert. Co., branch Virginia-Carolina Chemical Co., Newnan, Ga.	200	.....	6	2	1	4	12 00
..	Coweta Dissolved Bone and Potash, manufactured by Coweta Fert. Co., branch Virginia-Carolina Chemical Co., Newnan, Ga.	200	.....	10	2	1	2	14 00
..	German Kainit, manufactured by Coweta Fert. Co., branch Virginia-Carolina Chemical Co., Newnan, Ga.	200	.....	.....	.....	.....	12	12 00
..	Muriate of Potash, manufactured by Coweta Fert. Co., branch Virginia-Carolina Chemical Co., Newnan, Ga. ....	.....	.....	.....	.....	.....	48	48 00
..	Old Dominion Guano, manufactured by Old Dominion Guano Co., Atlanta, Ga.	200	1.65	6	2	2	1.50	14 12
..	Southern Amd. Dissolved Bone Guano, manufactured by Old Dominion Guano Co., Atlanta, Ga.	200	1.65	6	2	2	1	13 62
..	Patent Pacific Guano, manufactured by Old Dominion Guano Co., Atlanta, Ga.	200	1.65	6	2	2	1	13 62
..	Etowah Guano, manufactured by Old Dominion Guano Co., Atlanta, Ga.	200	.85	6	3	2	1	12 38
..	Blood and Bone Guano, manufactured by Old Dominion Guano Co., Atlanta, Ga.	200	.85	6	3	2	1	12 38

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Old Dominion Dissolved Bone, manufactured by Old Dominion Guano Co, Atlanta, Ga.....	200	10	2	2		12 00	
Old Dominion Dissolved Bone and Potash, manufactured by Old Dominion, Guano Co., Atlanta, Ga.....	200	8	2	2	2	12 00	
Old Dominion Dissolved Bone and Potash, manufactured by Old Dominion Guano Co., Atlanta, Ga.....	200	6	2	2	4	12 00	
Old Dominion Dissolved Bone and Potash, manufactured by Old Dominion Guano Co., Atlanta, Ga.....	200	8	2	2	4	14 00	
Bear H. G. Dissolved Bone, manufactured by Continental Fertilizer Co., Nashville, Tenn.....	200	8	6	1		14 00	
Bear H. G. Beef Blood and Bone, manufactured by Continental Fertilizer Co., Nashville, Tenn.....	200	1.65	8	2	1	2	16 62
Bear Special Wheat and Corn Grower, manufactured by Continental Fertilizer Co., Nashville, Tenn.....	200	8	3	1	2	13 00	
Bear Bone and Potash, manufactured by Continental Fertilizer Co., Nashville, Tenn.....	200	9	3	1	1	13 00	
Bear Potash mixture, manufactured by Continental Fertilizer Co., Nashville, Tenn.....	200	8	2	1	2	12 00	
Eddystone Soluble Guano, manufactured by Continental Fertilizer Co., Nashville, Tenn.....	200	1.65	7	2	1	1	14 62
Eddystone Dissolved Bone, manufactured by Continental Fertilizer Co., Nashville, Tenn.....	200	10	3	1		13 00	
Eddystone Bone and Potash, manufactured by Continental Fertilizer Co., Nashville, Tenn.....	200	7	5	1	1	13 00	
Eddystone Potash Mixture, manufactured by Continental Fertilizer Co., Nashville, Tenn.....	200	7	3	1	2	12 00	
Sunny South Acid Phosphate, manufactured by Continental Fertilizer Co., Nashville, Tenn.....	200	10	3	1		13 00	
Bear Phosphate and Potash, manufactured by Continental Fertilizer Co., Nashville, Tenn.....	200	8	2	1	1	11 00	
Eddystone Cotton Guano, manufactured by Continental Fertilizer Co., Nashville, Tenn.....	200	.85	6	4	1	1	13 38
Etiwan H. G. Acid Phosphate, manufactured by Etiwan Fertilizer Co., Charleston, S. C.....	200		11-13	2-3	2		13 00

Guaranteed Analyses of Commercial Fertilizers, Filed in the Office of the Commissioner of Agriculture by Dealers and Manufacturers.

When Received.	Name of Fertilizer or Chemical, by Whom Manufactured, and Where Manufactured.	Weight of Package.	GUARANTEED ANALYSIS.					Relative Commercial Value.
			Nitrogen.	PHOSPHORIC ACID.			Potash.	
				Water Soluble.	Citrate Soluble.	Acid Soluble.		
1900								
Oct. 1	Etiwan Acid Phosphate, manufactured by Etiwan Fertilizer Co., Charleston, S. C.	200	.....	10-12	2	2	.....	12 00
..	Plow Brand Raw Bone Superphosphate, manufactured by Etiwan Fertilizer Co., Charleston, S. C.	200	1.64	6-8	2-3	2	2-3	14 60
..	Diamond Soluble Bone, manufactured by Etiwan Fertilizer Co., Charleston, S. C.	200	.....	11-13	2-3	2	.....	13 00
..	Plow Brand Soluble Fertilizer, manufactured by Etiwan Fertilizer Co., Charleston, S. C.	200	1.64	7-9	2-3	2	1-2	14 60
..	American Ammoniated Bone Superphosphate, manufactured by Williams & Clark Fertilizer Co., Charleston, S. C.	200	1.65	6.00	2.00	2.00	1.00	13 62
..	Cumberland Bone Superphosphate of Lime, manufactured by Cumberland Bone Phosphate Co., Charleston, S. C.	200	1.65	6.00	2.00	2.00	1.00	13 62
..	Goulding's Vegetable Compound, manufactured by The Goulding Fertilizer Co., Limited, Pensacola, Fla.	200	3.30	5	2	1	4	20 24
..	Goulding's H. G. Acid Phosphate, manufactured by The Goulding Fertilizer Co. Limited, Pensacola, Fla.	200	.....	12	3	1	.....	15 00
..	Goulding's Atlas Acid Phosphate, manufactured by The Goulding Fertilizer Co. Limited, Pensacola, Fla.	209	.....	10	3	1	.....	13 00
..	Goulding's Mixture, manufactured by The Goulding Fertilizer Co., Limited, Pensacola, Fla.	200	.....	10	2	1	.....	14 00

..	Genuine German Kainit, manufactured by The Goulding Fertilizer Co., Limited, Pensacola, Fla.....	200	.....	.....	.....	.....	12	12 00
..	Goulding's H. G. Phosphate and Potash, manufactured by The Goulding Fertilizer Co., Limited, Pensacola, Fla.	200	.....	10	2	1	1	13 00
..	Goulding's Bone Compound, manufactured by The Goulding Fertilizer Co., Limited, Pensacola, Fla.....	200	1.65	6	3	1	1.50	15 12
..	Goulding's Special Compound, manufactured by The Goulding Fertilizer Co., Limited, Pensacola, Fla.....	200	1.65	6	3	1	1.50	15 12
..	Goulding's Ammoniated Bone, manufactured by The Goulding Fertilizer Co., Limited, Pensacola, Fla.....	200	1.65	6	3	1	1.50	15 12
..	Goulding's English Bone Compound, manufactured by The Goulding Fertilizer Co., Limited, Pensacola, Fla.....	200	1.65	6	3	1	1.50	15 12
..	Goulding's St. George Guano, manufactured by The Goulding Fertilizer Co., Limited, Pensacola, Fla.	200	.85	7	2	1	1.50	12 38
..	Winkler H. G. Acid Phosphate, manufactured by The Goulding Fertilizer Co., Limited, Pensacola, Fla.	200	.....	12	3	1	.....	15 00
..	A. G. Winkler's Ammoniated Dissolved Bone, manufactured by The Goulding Fertilizer Co., Limited, Pensacola, Fla.....	200	1.65	6	3	1	1.50	15 12
..	Gem Guano, manufactured by The Goulding Fertilizer Co., Limited, Pensacola, Fla.	200	1.65	5	3	1	2	14 62
..	English Acid Phosphate, manufactured by The Goulding Fertilizer Co., Limited, Pensacola, Fla.	200	.....	9	3	1	1.50	12 00
..	Samson Ammoniated Bone, manufactured by The Goulding Fertilizer Co., Limited, Pensacola, Fla.....	200	1.65	6	3	1	1.50	15 12
..	Samson Acid Phosphate, manufactured by The Goulding Fertilizer Co., Limited, Pensacola, Fla.....	200	.....	10	3	1	.....	13 00
..	Goulding's 3% Potash Acid, manufactured by The Goulding Fertilizer Co., Limited, Pensacola, Fla.....	200	...	6	2	1	3	11 00
..	Goulding's 4% Potash Acid, manufactured by The Goulding Fertilizer Co., Limited, Pensacola, Fla.....	200	.....	6	2	1	4	12 00
..	Goulding's XXX Potash Acid, manufactured by The Goulding Fertilizer Co., Limited, Pensacola, Fla.....	200	.....	12	2	1	2	16 00
..	Tucker, Willingham & Co's Special H. G. Potash Guano, manufactured by The Goulding Fertilizer Co., Limited, Pensacola, Fla.....	200	.85	7	3	1	3	15 38

Guaranteed Analyses of Commercial Fertilizers, Filed in the Office of the Commissioner of Agriculture by Dealers and Manufacturers.

When Received.	Name of Fertilizer or Chemical, by Whom Manufactured, and Where Manufactured.	Weight of Package.	GUARANTEED ANALYSIS.					Relative Commercial Value.
			Nitrogen.	PHOSPHORIC ACID.			Potash.	
				Water Soluble.	Citrate Soluble.	Acid Soluble.		
1900			1.64-					
Oct. 1	Earle Terrell & Co. H. G. Fertilizer, manufactured by Birmingham Fertilizer Co., Birmingham, Ala.....	200	2.46	8-10	2-3	2	2-3	16 60
..	Earle Terrell & Co. H. G. Acid Phosphate, manufactured by Birmingham Fertilizer Co., Birmingham, Ala.....	200	.....	11-13	2-3	2	.....	13 00
..	Earle Terrell & Co. Bone and Potash, manufactured by Birmingham Fertilizer Co., Birmingham, Ala.....	200	.....	8-10	2-3	2	2-3	12 00
..	Madenville Oil Mill H. G. Acid Phosphate, manufactured by Birmingham Fertilizer Co., Birmingham, Ala.....	200	.....	10-12	2-3	2	...	12 00
..	Cahaba Acid Phos. and Pot Mixture, manufactured by Birmingham Fertilizer Co., Birmingham, Ala.....	200	.....	8-10	2-3	2	2-3	12 00
..	Cahaba Potash Bone, manufactured by Birmingham Fertilizer Co., Birmingham, Ala.....	200	.....	8-10	2-3	2	4-5	14 00
..	Cahaba Bone Ash, manufactured by Birmingham Fertilizer Co., Birmingham, Ala.....	200	.....	6-8	2-3	2	4-5	12 00
..	Cahaba Soluble Bone, manufactured by Birmingham Fertilizer Co., Birmingham, Ala.....	200	.....	6-8	2-3	2	1-2	11 30
..	Cahaba Dis. Bone Am. and Potash, manufactured by Birmingham Fertilizer Co., Birmingham, Ala.....	200	.....	8-10	2-3	2	1-2	13 30
..	Cahaba H. G. Blood, Bone and Potash, manufactured by Birmingham Fertilizer Co., Birmingham, Ala.....	200	1.64- 2.46	8-10	2-3	2	2-3	16 60

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..	Cahaba H. G. Fertilizer, manufactured by Birmingham Fertilizer Co., Birmingham, Ala.	200	1.64-2.46	8-10	2-3	2	2-3	16 60
..	Cahaba Soluble Guano, manufactured by Birmingham Fertilizer Co., Birmingham, Ala.	200	1.64-2.46	7-9	2-3	2	1-2	14 30
..	Cahaba Standard Grade Fertilizer, manufactured by Birmingham Fertilizer Co., Birmingham, Ala.	200	1.64-2.46	7-9	2-3	2	1-2	14 60
..	Birmingham H. G. Blood, Bone and Potash, manufactured by Birmingham Fertilizer Co., Birmingham, Ala.	200	1.64-2.46	8-10	2-3	2	2-3	16 60
..	Birmingham H. G. Fertilizer, manufactured by Birmingham Fertilizer Co., Birmingham, Ala.	200	1.64-2.46	8-10	2-3	2	2-3	16 60
..	Birmingham Soluble Guano, manufactured by Birmingham Fertilizer Co., Birmingham, Ala.	200	1.64-2.46	7-9	2-3	2	1-2	14 60
..	Birmingham Standard Grade Fertilizer, manufactured by Birmingham Fertilizer Co., Birmingham, Ala.	200	1.64-2.46	6-8	2-3	2	2-3	14 60
..	Birmingham Dis. Bone A. M. and Potash, manufactured by Birmingham Fertilizer Co., Birmingham, Ala.	200	.82-1.00	8-10	2-3	2	1-2	13 30
..	Jefferson County Standard Guano, manufactured by Birmingham Fertilizer Co., Birmingham, Ala.	200	1.64-2.46	8-10	2-3	2	2-3	16 60
..	Cahaba Acid Phosphate, manufactured by Birmingham Fertilizer Co., Birmingham, Ala.	200	.....	10-12	2-3	2	.....	12 00
..	Cahaba H. G. Acid Phosphate, manufactured by Birmingham Fertilizer Co., Birmingham, Ala.	200	.....	11-13	2-3	2	.....	13 00
..	Cahaba Dissolved Bone, manufactured by Birmingham Fertilizer Co., Birmingham, Ala.	200	.....	10-12	2-3	2	.....	12 00
..	Cahaba H. G. Diss. Bone, manufactured by Birmingham Fertilizer Co., Birmingham, Ala.	200	.....	11-13	2-3	2	.....	13 00
..	Cahaba Acid Phosphate with Potash, manufactured by Birmingham Fertilizer Co., Birmingham, Ala.	200	.....	8-10	2-3	2	1-2	11 00
..	Birmingham Acid Phosphate, manufactured by Birmingham Fertilizer Co., Birmingham, Ala.	200	.....	10-12	2-3	2	.....	12 00
..	Birmingham H. G. Acid Phosphate, manufactured by Birmingham Fertilizer Co., Birmingham, Ala.	200	.....	11-13	2-3	2	.....	13 00
..	Birmingham Dissolved Bone, manufactured by Birmingham Fertilizer Co., Birmingham, Ala.	200	.....	10-12	2-3	2	.....	12 00

Guaranteed Analyses of Commercial Fertilizers, Filed in the Office of the Commissioner of Agriculture by Dealers and Manufacturers—Continued.

When Received.	Name of Fertilizer or Chemical, by Whom Manufactured, and Where Manufactured.	Weight of Package.	GUARANTEED ANALYSIS.					Relative Commercial Value.
			Nitrogen.	PHOSPHORIC ACID.			Potash.	
				Water Soluble.	Citrate Soluble.	Acid Soluble.		
1900								
Oct. 1	Birmingham H. G. Dissolved Bone, manufactured by Birmingham, Fertilizer Co., Birmingham, Ala.....	200	.....	11-13	2-3	2	.....	\$ 13 00
..	Birmingham Acid Phosphate with Potash, manufactured by Birmingham Fertilizer Co., Birmingham, Ala....	200	.....	8-10	2-3	2	1-2	11 00
..	Birmingham Acid Phosphate and Potash mixture, manufactured by Birmingham Fertilizer Co., Birmingham, Ala.....	200	.....	8-10	2-3	2	2-3	12 00
..	Birmingham Potash Bone, manufactured by Birmingham Fertilizer Co., Birmingham, Ala.....	200	.....	8-10	2-3	2	4-5	14 00
..	Birmingham Bone and Ash, manufactured by Birmingham Fertilizer Co., Birmingham, Ala.....	200	.....	6-8	2-3	2	4-5	12 00
..	Birmingham D Bone and Muriate Potash mixture, manufactured by Birmingham Fertilizer Co., Birmingham, Ala.....	200	.....	10-12	2-3	2	2-3	14 00
..	Birmingham Soluble Bone, manufactured by Birmingham Fertilizer Co., Birmingham, Ala.....	200	82-100	6-8	2-3	2	1-2	11 30
..	Navassa Cotton Fertilizer, manufactured by Navassa Guano Co, Wilmington, N. C.....	200	1.65	6.00	2.00	2 00	2.00	14 62
..	Navassa Bone and Ash, manufactured by Navassa Guano Co, Wilmington, N. C.....	200	.....	7.00	3.00	2.00	2.00	12 00
..	Dissolved Bone with Am. and Potash, manufactured by Navassa Guano Co., Wilmington, N. C.....	2 00	.82	7.00	3.00	2.00	1.00	13 30

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Navassa Acid Phosphate, manufactured by Navassa Guano Co., Wilmington, N. C.	200	9.00	3.00	2.00	...	12 00	
Acid Phosphate with Potash, manufactured by Navassa Guano Co., Wilmington, N. C.	200	7.00	3.00	2.00	1.00	11 00	
Navassa Complete Fertilizer, manufactured by Navassa Guano Co., Wilmington, N. C.	200	1 65	6.00	3.00	2.00	1.00	14 62
Navassa Wheat Mixture, manufactured by Navassa Guano Co., Wilmington, N. C.	200	7.00	3.00	2.00	4.00	14 00	
Navassa Grain Fertilizer, manufactured by Navassa Guano Co., Wilmington, N. C.	200	1 65	6.00	2.00	2.00	2.00	14 62
Genuine German Kainit, manufactured by Navassa Guano Co., Wilmington, N. C.	200	.....	.....	.....	.....	12.00	12 00
Giant Guano, manufactured by Rasin Monumental Co., Rich- mond, Va.	200	1 65	6	2	2	2	14 62
Soluble Sea Island, manufactured by Rasin Monumental Co., Charleston, S. C.	200	1 65	6	3	2	1	14 62
Rasin's Empire Guano, manufactured by Rasin Monumental Co., Atlanta, Ga.	200	1 65	6	3	2	1	14 62
Rasin's Dixie Guano, manufactured by Rasin Monumental Co., Atlanta, Ga.	200	1 65	6	2	2	2	14 62
Kainit, manufactured by Rasin Monumental Company, Atlanta, Ga.	200	.....	.....	.....	.....	12	12 00
Acid Phosphate, manufactured by Rasin Monumental Company, Atlanta, Ga.	200	.....	10	4	2	.....	14 00
Bone and Potash, manufactured by Rasin Monumental Co., At- lanta, Ga.	200	.....	7	3	2	2	12 00
Dissolved Bone, manufactured by Rasin Monumental Company, Atlanta, Ga.	200	1 65	7	3	2	.....	14 62
Columbia Guano, manufactured by Columbia Fertilizer Co., Co- lumbia, Ala.	200	1 65	6	1	1	2	16 12
Farmer's Friend, manufactured by Columbia Fertilizer Company, Columbia, Ala.	200	1 00	6	1	1	3	15 00
Columbia H. G. Acid Phos, m'fd by Col. Fert. Co., Columbia, Ala.	200	.....	10	2	1	.....	13 00
Dis. Bone and Potash, m'fd by Col. Fert. Co., Columbia, Ala.	200	.....	6	2	1	3	13 00

Guaranteed Analyses of Commercial Fertilizers, Filed in the office of the Commissioner of Agriculture by Dealers and Manufacturers.

When Received.	Name of Fertilizer or Chemical, by Whom Manufactured, and Where Manufactured.	Weight of Package.	GUARANTEED ANALYSIS.				Relative Commercial Value.	
			Nitrogen.	PHOSPHORIC ACID.				Potash.
				Water Soluble.	Citrate Soluble.	Acid Soluble.		
1900								
Oct. 1	German Kainit, manufactured by Columbia Fertilizer Co., Columbia, Ala.	200				12	\$ 12 00	
..	Sipsey H. G. Acid Phosphate, manufactured by Gadsden C. S. Oil Co., Gadsden, Ala.	200		11	2	1	13 00	
..	Sipsey H. G. Acid Phos. and Potash, manufactured by Gadsden C. S. Oil Co., Gadsden, Ala.	200		9	1	1	2	12 00
..	Graham's Best Guano, manufactured by Gadsden C. S. Oil Co., Gadsden, Ala.	200	2	7	2	1	2	16 60
..	Etowah Fertilizer, manufactured by Gadsden C. S. Oil Co., Gadsden, Ala.	200	1	9	1	1	1	13 80
..	King Cotton, manufactured by Gadsden C. S. Oil Co., Gadsden, Ala.	200	1	9	1	1	1	13 80
..	Our Best Fert. Am. D. B. & Potash, manufactured by Tallapoosa Oil Co., Alexander City, Ala.	200	.80	6.50	2.50	.50	2.00	13 24
..	Cotton Queen Guano, manufactured by Tallapoosa Oil Co., Alexander City, Ala.	187	2.06	6.50	2.00	.50	1.00	15 05
..	Cotton Queen Guano, manufactured by Tallapoosa Oil Co., Alexander City, Ala.	167	2.00	6.00	1.50	.50	2.00	15 10
..	Waters Special Guano, manufactured by Tallapoosa Oil Co., Alexander City, Ala.	200	1.50	7.50	2.80	.50	1.00	15 00

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Walters Special Dis. Bone and Potash, manufactured by Tallapoosa Oil Co, Alexander City, Ala.	200	10.00	2.00	1.00	1.00	13 00	
Coley's & Sandlin's Spe. D. B. and P., manufactured by Tallapoosa Oil Co., Alexander City, Ala.	200	10 00	2.00	1.00	1.00	13 00	
Tallapoosa H. G. Acid, manufactured by Tallapoosa Oil Co., Alexander City, Ala.	200	11.00	2.50	2 00	.....	13 50	
Tallapoosa Dis. Bone and Potash, manufactured by Tallapoosa Oil Co., Alexander City, Ala.	200	10.00	2.00	2.00	1.00	13 00	
Our Best Fertilizer D. B. and P., manufactured by Tallapoosa Oil Co., Alexander City, Ala.	200	11.00	2.00	1.00	1.00	14 00	
Standard Guano, manufactured by Tallapoosa Oil Co., Alexander City, Ala.	200	1.50	7.50	2.30	.50	1.00	15 00
Soluble Guano, manufactured by Tallapoosa Oil Co., Alexander City, Ala.	200	2.00	6.50	2.00	.50	1.00	15 10
Coley & Sandlin's Special Guano, manufactured by Tallapoosa Oil Co., Alexander City, Ala.	200	1.50	7.50	2.30	.50	1.00	15 00
Ober's Sol. Am. Sup. Phos. of Lime, manufactured by G. Ober & Sons & Co., Baltimore, Md.	200	.....	6.50	1.50	2	2	15 04
Farmers Standard Am. Phos., manufactured by G. Ober & Sons & Co., Baltimore, Md.	200	1.70	6.50	1.50	1.50	2	14 78
Ober's Special Am. Dis. Bone, manufactured by G. Ober & Sons & Co., Baltimore, Md.	200	1.65	6	3	3	2	15 62
Ober's Dis. Bone with Am. and Potash, manufactured by G. Ober & Sons & Co., Baltimore, Md.	200	1.00	7	2	1.50	2	13 80
Ober's Farmers Mixture, manufactured by G. Ober & Sons Co., Baltimore, Md.	200	.75	7	2	1.50	2	13 10
Ober's Dis. Bone Phos. and Potash, manufactured by G. Ober & Sons & Co., Baltimore, Md.	200	.....	8	2	2	2	12 00
Ober's Acid Phos. with Potash, manufactured by G. Ober & Sons & Co., Baltimore, Md.	200	.....	6	2	2	4	12 00
Ober's Acid Phos. with Potash, manufactured by G. Ober & Sons & Co., Baltimore, Md.	200	.....	8	2	2	4	14 00
Ober's Standard Am. Dis. Bone, manufactured by G. Ober & Sons & Co., Baltimore, Md.	200	1.80	6	2	2	2	15 04

Guaranteed Analyses of Commercial Fertilizers, Filed in the Office of the Commissioner of Agriculture by Dealers and Manufacturers.

When Received-	Name of Fertilizer or Chemical, by Whom Manufactured. and Where Manufactured.	Weight of Package.	GUARANTEED ANALYSIS.					Relative Commercial Value.
			Nitrogen.	PHOSPHORIC ACID.			Potash.	
				Water Soluble.	Citrate Soluble.	Acid Soluble.		
1900								
Oct. 1	Ober's Dis. Bone Phosphate, manufactured by G. Ober & Sons & Co., Baltimore, Md	200	.....	11	3	2	.....	\$14 00
..	Randolph Fertilizer, manufactured by Campbell & Wright, Jr., Roanoke, Ala	200	2 00	6 75	1 25	1 25	1 50	15 00
..	Roanoke Guano, manufactured by Campbell & Wright, Jr., Roanoke, Ala	200	1 75	6 75	1 25	1 25	1 00	13 90
..	Pride of Alabama, manufactured by Campbell & Wright, Jr., Roanoke, Ala	200	1 65	6 75	1 25	1 25	2 00	14 62
..	Jones' Best, manufactured by Campbell & Wright, Jr., Roanoke, Ala	200	1 65	6 75	1 25	1 25	1 00	13 62
..	H. G. Cotton Grower, manufactured by Campbell & Wright, Jr., Roanoke, Ala	200	.82	8 50	1 50	1 50	1 00	13 30
..	H. G. English Acid Phos., manufactured by Campbell & Wright, Jr., Roanoke, Ala	200	.....	10.	2 00	2 00	.....	12 00
..	Potash Acid Phos., manufactured by Campbell & Wright, Jr., Roanoke, Ala	200	.....	8 50	1 50	1 50	2 00	12 00
..	Ashcraft's Formula, manufactured by Tennessee Valley Fert. Co., Florence, Ala	200	.....	8 75	1 25	2 76	.....	12 00
..	King Cotton Grower, manufactured by Tennessee Valley Fert. Co., Florence, Ala	200	.82	10 00	2 15	1 00	13 35

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Oct. 1	Florence Acid, manufactured by Tennessee Valley Fert. Co., Florence, Ala	200	9.67	3.33	1.98		13.00
..	Tiger Guano, manufactured by Tennessee Valley Fert. Co., Florence, Ala	200	8.75	1.25	2.76	2.00	12 00
..	Corn and Cotton, manufactured by Tennessee Valley Fert Co. Florence, Ala	200	1.65	10.00		1.00	15.62
..	Tiger Acid, manufactured by Tennessee Valley Fert. Co., Flor- ence, Ala	200	11.38	1.62	2.27		13 00
..	Tiger Cotton Grower, manufactured by Tennessee Valley Fert. Co., Florence, Ala	200	.82	10.00		1 00	13 30
..	C. S. Meal and Bone, manufactured by Tennessee Valley Fert. Co., Florence, Ala	200	1.65	10.00		2.00	14 62
..	Blood and Bone, manufactured by Tennessee Valley Fert. Co., Florence, Ala	200	.82	10.00		1.00	13 30
..	H. G. Dis. Bone, manufactured by Tennessee Valley Fert. Co., Florence, Ala	200		12.00			12 00
..	S. and K. Am. Diss. Bone, manufactured by Montgomery Fertz Co., Montgomery, Ala	200	.88	8	2	1 1	13 32
..	Kainit, manufactured by Montgomery Fert. Co., Montgomery, Ala	200				12	12 00
..	Montgomery Acid Phos. with Potash, manufactured by Mont- gomery Fert. Co., Montgomery, Ala	200		8	2	1 2	12 00
..	Meal and Phos. Compound, manufactured by Montgomery Fert. Co., Montgomery, Ala	200	1.65	7	2	1	13 62
..	High Grade Acid Phos., manufactured by Montgomery Fert. Co., Montgomery, Ala	200		11.	2	1	13 00
..	H. G. English Acid Phos., manufretured by Montgomery Fert. Co., Montgomery, Ala	200		12.	2	1	14 00
..	Star Brand Acid Phos., manufactured by Montgomery Fert. Co., Montgomery, Ala	200		11.	2	1	13 00
..	Early Bird H. G. Acid Phos, manufactured by Montgomery Fert. Co., Montgomery, Ala	200		11.	2	1	13 00
..	S. and K. English Acid Phos., manufactured by Montgomery Fert. Co., Montgomery, Ala	200		11.	2	1	13 00

Guaranteed Analyses of Commercial Fertilizers, Filed in the Office of the Commissioner of Agriculture by Dealers and Manufacturers—Continued.

When Received.	Name of Fertilizer or Chemical, by Whom Manufactured, and Where Manufactured.	Weight of Package.	GUARANTEED ANALYSIS					Relative Commercial Value.
			Nitrogen.	PHOSPHORIC ACID.			Potash.	
				Water Soluble,	Citrate Soluble.	Acid Soluble.		
19.0								
Oct. 1	S. & O. H. G. Acid Phosphate, manufactured by Montgomery Fertilizer Co., Montgomery, Ala.	200	....	11	2	1	..	13.00
..	Vandiver's XX Acid Phosphate, manufactured by Montgomery Fertilizer Co., Montgomery, Ala.	200	....	11	2	1	..	13.00
..	Griell's English Acid Phosphate, manufactured by Montgomery Fertilizer Co., Montgomery, Ala.	200	....	11	2	1	..	13.00
..	Thompson's English Acid Phosphate, manufactured by Montgomery Fertilizer Co., Montgomery, Ala.	200	....	11	2	1	..	13.00
..	Pinecard's Home Mixture, manufactured by Montgomery Fertilizer Co., Montgomery, Ala.	200	1.65	7	2	1	2	15.62
..	Alliance Soluble Guano, manufactured by Montgomery Fertilizer Co., Montgomery, Ala.	200	1.65	6	2	1	2	14.62
..	Crescent Guano, manufactured by Montgomery Fertilizer Co., Montgomery, Ala.	200	1.65	7	2	1	1	14.62
..	Star Brand Guano, manufactured by Montgomery Fertilizer Co., Montgomery, Ala.	200	1.65	7	2	1	1	14.62
..	Plow Brand Soluble Guano, manufactured by Montgomery Fertilizer Co., Montgomery, Ala.	200	.83	8	2	1	1	13.32
..	H. & F. H. G. Acid Phosphate, manufactured by Montgomery Fertilizer Co., Montgomery, Ala.	200	11	2	1	..	13.00

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..	W. L. & Co's H. G. Acid Phosphate, manufactured by Montgomery Fertilizer Co., Montgomery, Ala.....	200	11	2	1	..	13.00
..	Dissolved Bone and Potash, manufactured by Montgomery Fertilizer Co., Montgomery, Ala.....	200	....	9	2	1	1	12.00
..	Alkaline Acid Phosphate 4% Potash, manufactured by Montgomery Fertilizer Co., Montgomery, Ala.....	200	....	6	2	1	4	12.00
..	English Acid Phosphate with 2% Potash, manufactured by Montgomery Fertilizer Co., Montgomery, Ala.....	200	....	10	2	1	2	14.00
..	S a Gull Soluble Guano, manufactured by Montgomery Fertilizer Co., Montgomery, Ala.....	200	1.65	7	2	1	2	15.62
..	Capital City Standard Fertilizer, manufactured by Montgomery Fertilizer Co., Montgomery, Ala.....	200	1.65	7	2	1	2	15.62
..	Montgomery Blood and Bone Fertilizer, manufactured by Montgomery Fertilizer Co., Montgomery, Ala.....	200	1.65	7	2	1	2	15.62
..	Tariff Reform Soluble Guano, manufactured by Montgomery Fertilizer Co., Montgomery, Ala.....	200	1.65	7	2	1	2	15.62
..	Clayton Fertilizer, manufactured by Montgomery Fertilizer Co., Montgomery, Ala.....	200	1.65	7	2	1	2	15.62
..	Southern Pacific Guano, manufactured by Montgomery Fertilizer Co., Montgomery, Ala.....	200	.83	8	2	1	1	13.32
..	Our Cotton Queen Guano, manufactured by Montgomery Fertilizer Co., Montgomery, Ala.....	200	.83	8	2	1	1	13.32
..	Early Bird Soluble Guano, manufactured by Montgomery Fertilizer Co., Montgomery, Ala.....	200	.83	8	2	1	1	13.32
..	Vandiver's Ammoniated Dissolved Bones, manufactured by Montgomery Fertilizer Co., Montgomery, Ala.....	200	.83	8	2	1	1	13.32
..	Ammoniated Dissolved Bones, manufactured by Montgomery Fertilizer Co., Montgomery, Ala.....	200	.83	8	2	1	1	13.32
..	Wilson's Special Compound, manufactured by Montgomery Fertilizer Co., Montgomery, Ala.....	200	.83	8	2	1	1	13.32
..	Schuessler & Co., manufactured by Opelika Chemical Co., Opelika, Ala.....	200	....	..	..	..	..	.....
..	Schuessler H. G. Fertilizer, manufactured by Opelika Chemical Co., Opelika, Ala.....	200	1.65	6	2	1	2	14.62

Guaranteed Analyses of Commercial Fertilizers, Filed in the office of the Commissioner of Agriculture by Dealers and Manufacturers.

When Received.	Name of Fertilizer or Chemical, by Whom Manufactured, and Where Manufactured.	Weight of Package.	GUARANTEED ANALYSES					Relative Commercial Value.
			Nitrogen.	PHOSPHORIC ACID.			Potash.	
				Water Soluble.	Nitrate Soluble.	Acid Soluble.		
1900								
Oct. 1	Schuessler & Co. Special Formula, manufactured by Opelika Chemical Co., Opelika, Ala.	200	.83	8	2	1	3	15 32
..	Schuessler & Co. Beef Blood and Bone, manufactured by Opelika Chemical Co., Opelika, Ala.	200	.83	8	2	1	1	13 32
..	Schuessler & Co. H. G. Bone and Potash, manufactured by Opelika Chemical Co., Opelika, Ala.	200	.....	8	2	1	2	12 00
..	Schuessler & Co. H. G. English Acid Phos., manufactured by Opelika Chemical Co., Opelika, Ala.	200	.....	10	2	1	.....	12 00
..	Schuessler Bros. H. G. Guano, manufactured by Opelika Chemical Co., Opelika, Ala.	200	1.65	7	2	1	1	14 62
..	Schuessler Bros. H. G. Bone and Potash, manufactured by Opelika Chemical Co., Opelika, Ala.	200	.....	8	2	1	2	12 00
..	Schuessler Bros. XXX Bone and Potash, manufactured by Opelika Chemical Co., Opelika, Ala.	200	.....	9	2	1	1	12 00
..	Kainit, manufactured by Opelika Chemical Company, Opelika, Ala.	200	.....	.....	.....	.....	12	12 00
..	C. C. C. Standard Fertilizer, manufactured by Opelika Chemical Co., Opelika, Ala.	200	1.65	6	2	1	2	14 62
..	Diamond Soluble Guano, manufactured by Opelika Chemical Co., Opelika, Ala.	200	1.65	7	2	1	1	14 62

.. Good Luck Soluble Guano, manufactured by Opelika Chemical Co., Opelika, Ala.	200	.83	8	2	1	1	13 32
.. Standard Acid Phosphate, manufactured by Opelika Chemical Co., Opelika, Ala.	200	.....	11	2	1	.....	13 00
.. Opelika Acid Phos. with 2% Potash, manufactured by Opelika Chemical Co., Opelika, Ala.	200	.....	8	2	1	2	12 00
.. Blood and Bone Guano, manufactured by Opelika Chemical Co., Opelika, Ala.	200	1.65	7	2	1	1	14 62
.. J. C. Adkin & Son, No. 1 Acid Phos., manufactured by Opelika Chemical Co., Opelika, Ala.	200	.....	11	2	1	.....	13 00
.. H. G. English Acid Phosphate, manufactured by Opelika Chemical Co., Opelika, Ala.	200	.....	10	2	1	.....	12 00
.. Potash Acid Phosphate, manufactured by Opelika Chemical Co., Opelika, Ala.	200	.....	8	2	1	2	12 00
.. W. C. Bradley & Co's. Standard Guano, manufactured by Virginia-Carolina Chemical Co., Charleston, S. C.	200	1.65	6	2	2	2	14 62
.. W. C. Bradley & Co's. Soluble Guano, manufactured by Virg'a-Car. Chemical Co., Richmond, Va.	200	1.65	7	3	2	2	14 62
.. W. C. Bradley & Co's. H. G. Potash Acid, manufactured by Virginia-Carolina Chemical Co., Richmond, Va.	200	.....	9	3	2	2	14 00
.. W. C. Bradley & Co's. H. G. Acid Phosphate, manufactured by Virginia-Carolina Chemical Co., Richmond, Va.	200	.....	10	4	2	.....	14 00
.. W. C. Bradley & Co's. Standard Pot Acid, manufactured by Virginia-Carolina Chemical Co., Richmond, Va.	200	.....	7	3	2	2	12 00
.. T. W. & Co's. Eng. H. G. Acid with Mur. Potash, manufactured by Virginia-Carolina Chemical Co., Richmond, Va.	200	.....	9	3	1	1	13 00
.. T. W. & Co's. Bone and Muriate of Potash, manufactured by Virginia-Carolina Chemical Co., Richmond, Va.	200	.....	7	3	2	2	12 00
.. T. W. & Co's. Special H. G. Potash Guano, manufactured by Virginia-Carolina Chemical Co., Richmond, Va.	200	.82	7	3	2	3	15 30
.. T. W. & Co's. Muriate of Potash Mixture, manufactured by Virginia-Carolina Chemical Co., Richmond, Va.	200	.....	9	3	1	2	14 00

Guaranteed Analyses of Commercial Fertilizers, Filed in the Office of the Commissioner of Agriculture by Dealers and Manufacturers--Continued.

When Received.	Name of Fertilizer or Chemical, by Whom Manufactured, and Where Manufactured	Weight of Package	GUARANTEED ANALYSIS.					Relative Commercial Value.
			Nitrogen.	PHOSPHORIC ACID.			Potash.	
				Water Soluble.	Citrate Soluble.	Acid Soluble.		
1900								
Oct. 1	Blanchard H. G. Acid Phos. manufactured by Virginia-Carolina Chemical Co., Atlanta, Ga.	200	.....	10	4	2	.....	\$14 00
..	Rome Soluble Guano, manufactured by Rome Guano Co., Rome, Ga.	200	1.65	6	2	1	2	14 62
..	Blood and Bone with Potash, manufactured by Rome Guano Co., Rome, Ga.	200	.85	8	2	1	1	13.38
..	Royal Guano, manufactured by Rome Guano Co., Rome, Ga.	200	1.65	8	2	1	.....	14 62
..	High Bone and Potash, manufactured by Rome Guano Co., Rome, Ga.	200	.....	8	2	1	2	12 00
..	Standard Acid Phos., manufactured by Rome Guano Co., Rome, Ga.	200	.....	10	2	1	.....	12 00
..	National Diss. Bone, manufactured by National Fertz. Co., Nashville, Tenn.	200	.82	6	4	.....	2	13 29
..	Blood and Bone Guano, manufactured by National Fertz. Co., Nashville, Tenn.	200	.82	6	4	.....	2	13 29
..	Rock City Guano, manufactured by National Fertz. Co., Nashville, Tenn.	200	1.64	5	3	.....	2	14 59
..	Tennessee Guano, manufactured by National Fertz. Co., Nashville, Tenn.	200	1.64	5	3	.....	3	14 59

Oct. 1	Acid Phosphate, manufactured by National Fertz. Co., Nashville, Tenn	200	8	4		12 00
..	Acid Phosphate, manufactured by National Fertz. Co., Nashville, Tenn	200	10	3		13 00
..	Acid Phosphate, manufactured by National Fertz. Co., Nashville, Tenn	200	10	4		14 00
..	Tennessee H. G. Diss. Bone, manufactured by National Fertz. Co., Nashville, Tenn	200	10	4		14 00
..	Acid Phosphate, manufactured by National Fertz. Co., Nashville, Tenn	300	11	4		15 00
..	Tennessee H. G. Diss. Bone, manufactured by National Fertz. Co., Nashville, Tenn	200	10	4		14 00
..	Tennessee H. G. Diss. Bone, manufactured by National Fertz. Co., Nashville, Tenn	200	11	4		15 00
..	Tennessee H. G. Diss. Bone, manufactured by National Fertz. Co., Nashville, Tenn	200	12	4		16 00
..	Tennessee H. G. Dis. Bone, with Potash, manufactured by National Fertz. Co., Nashville, Tenn	200	6	4	1	11 00
..	Tennessee H. G. Dis. Bone, with Potash, manufactured by National Fertz. Co., Nashville, Tenn	200	8	4	2	14 00
..	Sadler's Formula, manufactured by National Fertz. Co., Nashville, Tenn	200	8	4	2	14 00
..	Tennessee H. G. Diss. Bone, manufactured by National Fertz. Co., Nashville, Tenn	200	8	4		12 00
..	Tennessee H. G. Diss. Bone and Potash, manufactured by National Fertz. Co.	200	6	4	2	12 00
..	Acid Phos. with Potash, manufactured by National Fertz. Co., Nashville, Tenn	200	6	4	1	11 00
..	Acid Phos. with Potash, manufactured by National Fertz. Co., Nashville, Tenn	200	8	4	2	14 00
..	Tennessee Century Guano, manufactured by National Fertz. Co., Nashville, Tenn	200	8	4	4	16 00
..	Tennessee H. G. Acid Phos., manufactured by National Fertz. Co., Nashville, Tenn	200	11	4		15 00

Guaranteed Analyses of Commercial Fertilizers, Filed in the Office of the Commissioner of Agriculture by Dealers and Manufacturers—Concluded.

When Received.	Name of Fertilizer or Chemical, by Whom Manufactured, and Where Manufactured.	Weight of Package.	GUARANTEED ANALYSIS.					Relative Commercial Value.
			Nitrogen.	PHOSPHORIC ACID.			Potash.	
				Water Soluble.	Citrate Soluble.	Acid Soluble.		
1909								
Oct. 1	Old Hickory Guano, manufactured by National Fertz. Co., Nashville, Tenn.	200	1.64	5	3	.....	2	\$14 59
..	Old Hickory Guano, manufactured by National Fertz Co., Nashville, Tenn.	200	1.64	6	4	.....	3	16 59
..	Ammoniated Diss. Bone, manufactured by National Fertz. Co., Nashville, Tenn.	200	.82	6	4	.....	1	13 29
..	Alabama Fertilizer, manufactured by Alabama Fertz. Co., Montgomery, Ala.	200	1.80	7	1.50	.....	1.50	15 04
..	Acid Phosphate, manufactured by Alabama Fertz. Co., Montgomery, Ala.	200	.....	11	2	.....	.....	13 00
..	Kainit, manufactured by Alabama Fertz. Co., Montgomery, Ala.	200	.....	.....	.....	.....	12.	12 00
..	Muriate of Potash, manufactured by Alabama Fertz. Co., Montgomery, Ala.	200	.....	.....	.....	.....	52.	52 00
..	Concentrated Tankage, manufactured by Hiller, Hirsh & Co., New York.	200	13.	36 40
..	Ground Blood, manufactured by Swift & Co., Chicago.	200	14.	42 00

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LICENSES.

The following is a list of the Licenses issued this season to July 1st, 1901,
with the date when issued, number of license, and post office of the
local dealers.

Date of Issue.	NAME.	P. O. ADDRESS.	No. of License.
1900.			
Oct. 3	Adair & McCarty Bros.....	Atlanta, Ga.....	4
15	Armour Fertilizer Works.....	Kansas City, Mo.....	29
50	Alabama Fertilizer Co.....	Montgomery.....	37
Nov. 19	Adamson & Edwards.....	Ophelia.....	53
Dec. 14	Acree, O. A. C.....	Newton.....	68
27	Adamson, Edwards & Co.....	Ophelia.....	86
29	Allridge & Shelton.....	Brooksville.....	87
31	Allen, C. B.....	Ashland.....	95
1901.			
Jan. 7	Andrews, W. T.....	Gold Hill.....	133
11	Andrews & Co.....	Camp Hill.....	172
12	Alston, S. F.....	Tuscaloosa.....	174
12	Akin, J. C.....	Notasulga.....	178
15	Alston & Farrow.....	Wetumpka.....	184
15	Adkinson, D. I. B.....	Florala.....	189
15	Atkins, V. B. & Co.....	Selma.....	193
15	Akin, J. C.....	Camp Hill.....	206
15	Agee, R. H. & W. C.....	Selma.....	252
15	Ashepoo Fertilizer Co.....	Charlston, S. C.....	265
17	Atkinson & Atkinson.....	Jemison.....	319
17	Atkin & Allgood.....	Thornton.....	341
21	Albritton, E. S.....	Warrior.....	400
21	Ashhurst, J. V.....	Tallasse.....	416
22	Arnold, W. A.....	Ozark.....	424
23	Allen & Co., R. W.....	Lafayette.....	441
23	Atkins, L. C. & Co.....	Langston.....	445
25	Atkins, Jos. M.....	Brompton.....	467
Feb. 1	Adams, J. E.....	Welden.....	512
4	Arant, J. M. & Sons.....	Waverly.....	533
5	Abecrombie, A. J.....	Leeds.....	545
7	Atkins, B. C.....	Reform.....	561
8	Amos, G. H.....	Duck Springs.....	573
13	Agee, W. P.....	Perdue Hill.....	594
19	Allen, L. M. & Co.....	Phil Campbell.....	625
19	Abecrombie, J. H.....	Leeds.....	636
19	Anthony, W. L.....	Hurtsboro.....	637
20	Ash & Crandall.....	Birmingham.....	652
20	Alderhold, J. L.....	Piedmont.....	656
Mch. 16	Appling Mercantile Co.....	Oakman.....	750
19	Adams, J. G.....	Anniston.....	757

LICENSES—Continued.

Date of Issue.	NAME.	P. O. Address.	No. of License.
1901.			
Mch. 26	Awbry, J. J.	Mason, Ga.	771
Apl. 4	Atkins & Owens.	Heflin	785
22	Alford, J. C. & Son.	Childersburg.	803
1900			
Oct. 3	Bailey, W. E.	Aster.	11
11	Birmingham Fertilizer Co.	Birmingham	26
Dec. 10	Brantley, T. K. & Ivie.	Troy.	58
10	Butler, Cole & Co.	New Hope	61
13	Buford & Co.	Hartford.	67
22	Bank of Enterprise.	Enterprise	81
1901			
Jan. 2	Benson Henderson & Co.	Andalusia.	101
4	Beeland, J. T. & Bro.	Greenville.	114
7	Brice, J. A.	Oneonta	130
7	Brown, J. A.	Kellyton.	136
8	Bates, J. T.	Plevna.	138
8	Butler, F. T. & J. C.	Paint Rock.	146
14	Brannon & Henderson.	Troy	199
15	Brown, W. S.	Birmingham	234
15	Bradley Fertilizer Co.	Charleston, S. C.	249
15	Bean & McMurry.	Heflin	254
15	Beach, H. M. & Son.	Columbia	258
16	Brown, J. W.	Sylacauga	218
16	Brown, W. D.	Gravella	292
17	Bease Bros.	Luverne.	314
17	Barnes, Jasper E.	Dothan.	317
17	Beason, J. L. & Co.	Whitney	320
17	Boon, Alonzo.	Camp Hill.	334
17	Bullard, Bartow.	Elba	342
17	Barfield Bros.	Barfield	343
17	Bell, C. W. & Sons.	Lineville.	344
18	Blackburn, J. W. & McConnel.	Fayette	349
18	Butler, C. H.	Childersburg	351
18	Bullock, J. A.	Shorter	364
19	Bellinger, W. C.	Gadsden	375
19	Bodiford, W. H.	Abbeville.	380
21	Britt & Johnson.	Wetumpka	388
21	Bryan, T. L. & Co.	Ozark	395
21	Bains Bros.	Cleveland.	397
21	Burns & Beavers.	Lincoln	398
21	Brake, J. L.	Warrior.	399
21	Barnett, W. W.	Geneva.	401
23	Beyer, F. & Son.	Cullman	444
25	Brantz, T. M.	Kennedy	465
25	Baird, S. J.	Guin.	468
25	Bynum, W. H.	Boaz.	469
29	Blackwood, D. R.	Cleveland.	488
30	Butler, J. E.	New Hope.	497
30	Brodbeck & Zundel Bros.	Point Clear.	498
31	Boyett Bros & Rodgers.	Andalusia.	507

LICENSES—Continued.

Date of Issue.	NAME.	P. O. ADDRESS.	No. of License.
1901.			
Jan. 28	Bear, Lewis & Co.	Pensacola, Fla.	481
.. 28	Brawner & Brawner	Castlebury, Ala	482
.. 28	Burt, R. A.	Collinsville	483
Feb. 1	Bell J. J.	Florala	515
.. 2	Banks, T. C.	Attalla	522
.. 2	Burks & Coston	Brantley	526
.. 4	Brundridge Banking Co.	Brundridge	529
.. 4	Bynum, T. D.	Bynums	532
.. 7	Bowdon, C. P.	Gordon	555
.. 7	Boreland, J. B. & Co.	Pinckard	564
.. 11	Burgess, J. L.	Scottsboro	587
.. 13	Blansitt Bros.	Sulphur Springs	596
.. 13	Brown & York	Boaz	606
.. 13	Bell, W. R.	Goddard	614
.. 16	Barton, W. M.	Lynn	623
.. 16	Baits, G. J. & J. W.	Toney	629
.. 19	Black, Jas. A.	Luverne	647
.. 20	Bryant & Williams	Notasulga	653
.. 25	Baccus, W. B. & Son	Baccus	670
McCh. 5	Baker, D. W.	Goodwater	683
.. 5	Boazman, Tom	Marcoot	686
.. 7	Byers, Mrs. Ada V.	Ashville	697
.. 11	Babcock, H. T.	Troy	714
.. 12	Blackburn, N. W. & Co	Leesburg	733
.. 16	Braswell, M. L.	Pleasant Gap	740
.. 21	Brittain, J. C.	Summit	761
.. 14	Butler & Collier	Gurley	796
.. 26	Banks & Owen	Hurtsboro	806
May 4	Banks, R. D.	Jackson's Gap	809
1900.			
Oct. 3	Continental Fertilizer Co.	Nashville, Tenn.	7
.. 31	Campbell & Wright, Jr	Roanoke, Ala.	39
Nov. 20	Cowart, J. H. & Co.	Goshen	55
Dec. 10	Cameron, Jas. A.	Columbiana	63
.. 12	Covington, J. I.	Bertha	66
.. 15	Cassels Bros.	Gadsden	70
.. 21	Cross, W. S.	Pelham	78
.. 29	Coley & Sandlin	Alexander City	92
1901.			
Jan. 5	Carlisle, M. W. & Bro.	Roanoke	125
.. 5	Crew, C. M.	Goodwater	126
.. 7	Cox, L. O.	Boaz	127
.. 9	Culiman Cotton Co.	Cullman	149
.. 11	Clark & Parker Bros.	Searight	166
.. 12	Crump, J. C. & Son	Sand Mountain	177
.. 14	Copeland, J. S.	Troy	200
.. 15	Crumpton, W. E.	Maplesville	216
.. 15	Cawthon, W. C. W.	Andalusia	224
.. 15	Carter Co., The J. H.	Cullman	235
.. 15	Cleveland, M. L. & Co.	Randolph	245
.. 15	Cameron Bros.	Notasulga	237

LICENSES—Continued.

Date of Issue.	NAME.	P. O. ADDRESS.	No. of License.
1901.			
Jan. 15	Carney, W. M. & Co	Atmore	239
.. 15	Cantelou, Lamar & Son	Wetumpka	262
.. 16	Cross, Fred	Portersville	271
.. 17	Crew, B. F.	Goodwater	322
.. 17	Carter, Jno. S.	Haleyville	333
.. 17	Cole, G. P.	Loachapoka	339
.. 17	Cornelius, H. M.	Walnut Grove	347
.. 19	Carroll, J. S.	Troy	371
.. 19	Chapman & Co	Geneva	379
.. 21	Crew, J. W.	Elamville	389
.. 21	Campbell & Wright	Tuskegee	391
.. 21	Capps, D. W.	Capps	405
.. 21	Carroll & Watson	Watford	406
.. 23	Cobb, H. C.	Millbrook	431
.. 23	Columbia Fertilizer Co.	Columbia	432
.. 23	Colquitt Bros	Luverne	434
.. 23	Chadwick & Brice	Snead	435
.. 23	Curry, W. W.	Albertville	438
.. 23	Carr, J. A.	Carrville	446
.. 28	Collins, N. S.	Collinsville	476
.. 28	Collins, J. R.	Bankston	480
Feb. 1	Chapman & Warren	Georgiana	509
.. 1	Cosper, R. E.	Sterrett	517
.. 4	Collins, H. D.	Fayette	541
.. 8	Coxwell, Jno. M.	Perdue Hill	571
.. 9	Carleton & Co.	Dudleysville	582
.. 13	Clarke & Harwell	LaGrange, Ga.	589
.. 16	Cope, A. M.	Union Springs, Ala	627
.. 20	Crutchen & Ward	Cuba	654
.. 23	Cox, W. H.	Springville	637
Mch. 5	Collins, The Co.	Warrior	677
.. 5	Costin, J. W. & Co.	Luverne	692
.. 9	Cartwright, R. N.	Cartwright	704
.. 11	Crew, R. A. & Son	Goodwater	717
.. 12	Cooper, J. F.	Fax	729
.. 16	Clem, K. M.	Fairmount	738
.. 16	Coleman & McAlpin	York	744
.. 16	Clements, N. B.	Oregonia	747
.. 30	Crump, H. C.	Sedden	779
April 6	Cothran, T. E.	Alexis	791
.. 22	Crow Bros	Jacksonville	804
1900.			
Oct. 22	Davenport, N. S.	Valley Head	32
Nov. 12	Dothan Guano Co	Dothan	48
1901.			
Jan. 4	Dawkins, W. T.	Abbeville	109
.. 8	Dean, J. J.	Charlton	140
.. 10	Davie, B.	Clayton	161
.. 10	Donaldson & Shaw	Haleyville	163

LICENSES—Continued.

Date of Issue.	NAME.	P. O. ADDRESS.	No. of License.
1901			
Jan. 14	Dyer, W. C.	Stanton	197
.. 15	Dennis, J. A. & Co.	Ansley	209
.. 15	Dent, Geo. H.	Eufaula	243
.. 15	Dan, J. P.	Milport	246
.. 16	Dumas, O. & C. P.	Arlington	294
.. 16	Davis, W. C. & Co.	Sand Mountain	298
.. 16	Draper & Co.	Oxford	303
.. 17	Dailey, M. W.	Avoca	338
.. 18	Dorman, Jas. F.	Carrville	350
Nov. 21	Davis, E. R.	Rock Run Station	402
.. 21	Darrow, E. J.	Coats Bend	404
.. 23	Duncan, E. P.	Alexander City	440
.. 24	Downey, J. W. & T. B. Chattin	Section	450
Feb. 4	Dyar, C. M. & L. F.	Reedbrake	536
.. 5	Deramus, D. I.	Verbena	546
.. 6	Downs, J. B.	Clanton	551
.. 11	Dunn, A. M.	Elamville	588
.. 13	Doughty, J.	Fayette	610
.. 19	Decatur Warehouse & Milling Co.	Decatur	643
.. 25	Davenport, E. T. & Co.	Valley Head	671
Mch. 5	Dunlap, W. R.	Wolf Creek	678
.. 5	Davis, Marshall & Co.	Mobile	695
.. 12	Duncan, R. A.	Dickson	727
.. 16	Davis, Chas. S.	Hurtsboro	743
Apl. 9	Dean, J. I.	Red Level	789
1900			
Oct. 12	Elrod & Gibson	Collinsville	28
Dec. 28	Earle, Terrell & Co.	Birmingham	88
1901			
Jan. 15	Emmett, L. S., Son & Co.	Albertville	253
.. 16	Edmonson, R. Q. & Bro.	Eufaula	281
.. 18	Espy, Jno. R.	Gordon	355
.. 22	Ellis, J. M. & Son	Union Springs	430
.. 26	Evens Bro's	Heffin	473
Feb. 1	Echols & Hargrove	Hartselle	519
.. 5	Ellison, W. L.	Walnut Grove	543
.. 7	Edwards, J. B.	Talladega	554
.. 19	Eubanks & Cheney	Piedmont	642
.. 20	Edwards, R. D.	Sylacauga	650
Mch. 16	Elliott, J. A. & Son	Moundville	746
.. 16	Evens, D. H.	Hillion's Store	749
May 17	Elington, S. M.	Munford	815
1900			
Oct. 3	Furman Farm Improvement Co.	Atlanta & E't Pt., Ga	5
Nov. 15	Farmers & Merchants Bank	Troy	50
Dec. 14	Foy, Cliff & Bro's	Abbeville	69
.. 20	First Bank of Elba	Elba	76
1901			
Jan. 4	Folmar, W. B.	Troy	111
.. 4	Frazen & Olson	Thorsby	112

LICENSES—Continued.

Date of Issue.	NAME.	P. O. ADDRESS.	No. of License.
1901			
Jan.	4 Flynt, H. L.	Guntersville	117
..	5 Folmer, Walden & Byrd	Enterprise	121
..	10 Farley, Jno. C.	Opelika	162
..	14 Farmers Alliance Co-operative Co.	Opelika	191
..	14 Farrow, T. L.	Guntersville	203
..	15 Fuller, Foshee Mercantile Co.	Brewton	222
..	15 Fuller, J. H. & Sons	Alexander City	255
..	19 Farnham, J. H.	Evergreen	369
..	22 Fleming, W. L. & Son	Brundidge	425
..	23 Forrester, R. B.	Cowarts	439
..	30 Fountain, H. B.	Albertsville	503
Feb.	4 French, J. E.	Brundidge	528
..	10 Flippo & Phillips	Bear Creek	646
..	23 Farrell, J. D.	China Grove	669
Mch.	5 Fort Gaines Oil and Guano Co.	Fort Gaines, Ga.	675
..	12 Foust, V.	Rosa	726
..	13 Feagin, T. K.	Feagin.	734
..	16 Fruitdale Lumber Co.	Fruitdale	748
..	19 Frames, J. H.	Slate	756
..	26 Farrin, A. J.	Ohathee	754
..	26 Fielder, J. B.	Loachapoka	772
..	26 Fields, A. S.	Fern Bank	774
1900			
Oct.	3 Goulding Fertilizer Co.	Pensacola, Fla.	8
..	6 Georgia Chemical Works	Augusta, Ga.	22
..	8 Grisham, J. M.	Whitehead	24
Dec.	10 Gadsden Installment House	Gadsden	59
..	19 Gadsden Cotton Seed Oil Co.	Gadsden	74
1901			
Jan.	3 Gullede, F. A.	Verbena	104
..	3 Goldthwaite, Robt.	Montgomery	108
..	14 Guthrie Bros	Sulligent	179
..	15 Gary, Kennedy & Co.	Selma	228
..	15 Griel Bro's & Co.	Montgomery	241
..	15 Guin Bro's	Kennedy	245
..	16 Gilbert, R. F.	Portersville	278
..	16 Grady, J. W.	Stroud	282
..	16 Guntersville Dry Goods Co., The	Guntersville	304
..	16 Grant Bro's	Louisville	307
..	17 Gilliland, C. H. & Sons	Goodwater	325
..	17 Gray, J. B. & W. W. Gulkedge	Ohatchie	336
..	19 Gunter, G. W.	Brockton	382
..	21 Gunter & Ealum	Gantt	409
..	24 Green, Jas. F.	Arthur	451
..	28 Green, Alex	Thomasville	486
..	39 Green & Mullins.	Active	496
Feb.	2 Gallant, J. A.	Gallant	525
..	4 Glenn Bro's	Branchville	534
..	7 Golden, B. F.	Thaddeus	558
..	13 Graham, J. R.	Boliver	590

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Date of Issue.	NAME.	P. O. ADDRESS.	No. of Licenses.
1901.			
Feb. 13	Gage, W. A. & Co.	Town Creek	592
.. 13	Graves & Burdine.	Deposit	598
.. 13	Grace, J. W.	Elkmont	611
.. 14	Gilbert, J. J. & Sons.	Gold Mine	615
.. 16	Gilbert, John R.	Pinckneyville	630
.. 22	Gilliland, M. E.	Hill	659
.. 22	Griffith, Asa.	Hanceville.	660
Mch. 5	Griffs & Son.	Sedden	676
.. 5	Gray, Wm.	Dadeville	685
.. 9	Griffith, G. F.	Hokes Bluff.	705
.. 12	Guin, P. C.	Covin	731
.. 12	Gable & Clapp.	Gum Springs.	732
.. 19	Gilbert, P. N.	Cosville	758
.. 30	Gammill, J. W.	Camp Hill	775
Apl. 23	Gooday Bros.	Daphne	799
May 4	Goldson Harper & Son.	Brocton	808
.. 4	Gray, W. C. & Co.	Oxford.	811
1900.			
Oct. 8	Home Mixture Guano Co.	Columbus, Ga.	9
.. 11	Helm Bone Fertilizer Co.	Birmingham	25
.. 33	Howe & Co.	Stevenson	34
.. 31	Holman, H. C.	Ozark	40
Nov. 15	Henderson, Fox.	Troy	51
Dec. 10	Ham, P. J. & Sons.	Elba	60
.. 19	Henderson, Rainer & Hill.	Brantley	75
.. 21	Howell, J. R. G.	Dothan.	77
.. 22	Henderson, Holloway & Co.	Enterprise.	82
.. 31	Hester, R. B. & Son.	Roanoke	93
.. 31	Holly & Lindsay.	Abbeville	94
1901.			
Jan. 1	Henderson, J. D. & Co.	Searight	99
.. 2	Hill, Jones & Co.	Roanoke	102
.. 3	Hill & Shaffey.	Dadeville	106
.. 4	Hilton, Bentley & Cosby	Brantley	113
.. 4	Hatton, D. J. & Son.	Wait	115
.. 4	Howard, J. M.	Albertville.	168
.. 4	Howle, T. A. & Co.	Oxford	173
.. 14	Herring, T. J.	Midland City	194
.. 16	Hilliard, W. L.	Troy	198
.. 14	Henderson, J. Robt.	Fulierton	205
.. 15	Henderson & Waters Bros.	Brundridge.	218
.. 15	Howle Bros.	Wetumpka.	230
.. 15	Hertzler & Anderson.	Madison.	231
.. 15	Howison, Allen P.	Randolph.	266
.. 16	Henderson, Chas.	Troy	269
.. 16	Henry, S. W.	Springville	272
.. 16	Harrison, W. D. & Co.	Ashford	295
.. 16	Henderson, J. H.	Cross Keys	300
.. 16	Hartsell, J. C. & Son.	Hartselle.	310
.. 17	Hooper, C. W. & Co.	Selma.	323

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Date of Issue.	NAME.	P. O. ADDRESS.	No. of License.
1901.			
Jan. 17	Hughes & Bros	Flolala	329
18	Harwell, W. O.	Opelika	354
19	Hixon, S. D. & D. A.	Perote	387
21	Head, T. L.	China Grove	408
21	Hughes, D. D.	Labanon	414
21	Hooper, A. B.	Alexander City	415
22	Haralson, J. B.	Langston	416
22	Haynes, D. P. & Bro.	Oxford	428
23	Hartsell, J. P.	Hartselle	442
23	Hoffman & Graves.	Waverly	443
23	Hixon Bros	Hixon	447
24	Haynes, Parker & Co.	Lineville	448
24	Haight, J. H. & Son.	Fruitdale	453
24	Hicks, W. W. & Co.	Dadeville	455
25	Harrell, W. F.	Bangor	460
29	Hodo, J. B.	Millport	489
30	Hammond, M. W.	Marl	493
30	Hood, J. M. & Son	Albertsville	501
31	Heard & Lee.	Camp Hill	506
Feb. 1	Hamilton, M. D. & Co.	Guin	514
1	Herrin & Oliver.	Dadeville	531
4	Head & Warren.	Gum Springs	547
6	Hicks & Heard.	Camp Hill	548
6	Hudges, J. A.	Ashville	570
6	Hightower, C. B.	York Station	578
6	Haley Bros	Hayleyville	579
6	Hamilton, N. O.	Ragland	581
6	Hood, Yielding & Co.	Birmingham	584
6	Hood, Robt.	Kymulga	602
6	Henderson & Black.	Troy	604
6	Henderson, Alex. & Co.	Troy	605
6	Hamilton, R. F.	Coal City	617
6	Herston & Barnes.	Garland	673
6	Hitchcock, J. G. & Son.	James	690
6	Hearn & Wood.	York	700
Mar. 8	Harris & Sherrod.	Courtland	703
8	Hurkins, Max & Clyde.	Fayette	718
11	Hudson, F. N.	Blountsville	741
16	Hargrove, J. H.	Hartselle	760
21	Hendrix, S. T.	Peterman	762
30	Hodges Mercantile Co.	Ashville	780
Apr. 5	Hollinsworth & Co.	Millin	787
10	Haynie, A. C.	Hurtsboro.	792
22	Hines & Son	Standing Rock	800
25	Hall, J. A.	Pea Ridge	805
Dec. 6	Ingram & Co.	Anniston	64
Jan. 15	Ivey, J. W.	Rutledge	211
Feb. 4	Ingram & Trawick.	Opelika	537
19	Ivey, Chas.	Evergreen.	638

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Date of Issue.	NAME.	P. O. ADDRESS.	No. of License.
1900			
Oct. 23	Jones, J. B	Fayette	35
Dec. 29	Johnston, Geo. A	Clayton	91
1901			
Jan. 15	Jones, V. D	Troy	238
15	Johnson, W. A	Rutledge	256
18	Johnston, Thos. L. & Co	Gadsden	359
21	Jennings, B.	Tuskegee	390
21	Jordan, H. R. & Son	Collinsville	392
22	Jackson, Jess H.	Grand Bay	420
Feb. 1	Jemison, S. E.	Sunny Side	511
2	Johnson, L. M.	Alexander City	523
8	Johnson, J. J.	Geneva	577
13	Jackson, Geo. W.	Mount Hope	591
Mch. 5	Johnson, J. E.	Chattanooga, Tenn.	694
Apl. 5	Jones, A. F.	Talladega	786
1900			
Oct. 18	Killian, H. H.	Branden	30
1901			
Jan. 11	King, H. S.	Searight	167
11	Kelly & Segrist	Midland City	169
16	Kyser, Geo. W.	Ripton	277
16	Kroell, Geo.	Montevallo	279
16	King, F. R. & Co	Leighton	312
19	King, Claude	Leighton	386
21	Klaus, J. & Co.	Huntsville	413
22	Kitchens, J. W. & Bro	Heflin	421
24	Kelly, D. E. & J. O.	Jeff	457
28	Kelly, Walter	Normal	497
28	Killen Dry Goods Co., The.	Fort Payne	484
Feb. 6	Kennedy, J. A.	Loop	552
Mch. 9	Kinney, P. H. & Co.	Navvoo	705
Apl. 5	Keener, D. P.	Keener	784
1900			
Oct. 3	Louisville Fertilizer Co.	Louisville, Ky	14
Dec. 11	Long Bro's	Jasper	65
21	Long-Richardson Mercantile Co	Jasper	80
1901			
Jan. 2	Law, Edmons & Byrd	Enterprise	97
5	Lester & Co	Columbiana	123
7	Leach, R. R.	Liberty	135
8	Land, J. G.	Cullman	145
9	Loeb, J. & Bro.	Montgomery	147
12	Lauderdale, A. R.	Goodwater	175
14	Lull & Lacy	Wetumpka	202
15	Lazinby, Reynolds & Co.	Forest Home	212
15	Largston, J. N.	Jemison	217
15	Little, Chas. E.	Auburn	247
15	Law & Davis	Lincoln	261
16	Lidden, F. B. & Co.	Gordon	284
16	Lane Bro's	Sylacauga	291

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Date of Issue.	NAME.	P. O. ADDRESS.	No. of License.
1901			
Jan. 18	Leath, Scott.	Cullman	357
18	Leeman, E. D.	Athens	365
19	Landers Bro's	Heflin	383
23	Long, T.	Greenville	433
28	Latham, S. A. & Co	Montevallo	478
29	Livingston, Y. C.	Notasulga	487
30	Long, C. W.	Granger	495
Feb. 7	Lowery, W. W. & Co	Atmore	563
7	Long, W. R.	Lynn	565
13	Legg, Joel W.	Elkmont	595
13	Lagney, H. W.	Eden	607
13	Linn, W. W.	Falkville	612
13	Logan, W. J. P.	Benson	613
16	Laxon & McCord	New Market	621
19	Landham, J. R. & Co	Anniston	632
22	Lewis & Estes	Athens	661
Mar. 9	Lile, J. L.	Trinity	707
18	Lumpkins, J. B. H.	Jacksonville	755
30	Lowe, A. S.	Hazel Green	781
Apr. 10	Lyon, R. L.	Riley	794
10	Lee, W. A.	Glen Allen	795
26	Lefils, W. F. & Son	Easonville	807
May 28	Lloyd, Ellison & Co	Creek Stand	812
1900			
Oct. 3	Marietta Guano Co	Atlanta, Ga.	2
3	Mobile Phosphate Co	Mobile	10
3	Meridian Fertilizer Factory	Meridian	13
3	Montgomery Fertilizer Co.	Montgomery	19
30	Marks & Gayle	Montgomery	38
Nov. 12	Malone & Sons	Dothan	47
Dec. 19	Meadows, Smith T. & Co	Opelika	73
31	Mullins, W. I.	Cianton	96
1901			
Jan. 3	Manley, Hornsby & Handley	Roanoke	107
7	Mills, J. B.	Abbeville	129
7	Milner, Henry	Columbiana	131
8	Moon & Harris	Lineville	139
14	Macon, W. H.	Wetumpka	183
14	Masterson, T. C.	Arcola	204
15	Moody, J. W. & Son	Brompton	233
15	Middlebrook, J. Z.	Elamville	250
16	Maxwell, C. R.	Northport	287
16	Metcalf, P. M.	Hartford	296
16	Miller, Lovelace & Co	Dadeville	306
17	Mizell & Bro	Ozark	316
17	Mayo, A. B.	Talladega	329
17	Milligan, W. G.	Heflin	345
17	Mahan, W. H. & Son	Randolph	348
19	Murphree, Joel D.	Troy	370
19	Murphree, J. D. Jr., Cashier	Troy	379

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Date of Issue.	NAME.	P. O. ADDRESS.	No. of Licenses.
1901			
Jan. 21	Myers, H. J.	Langston	896
30	Moog & Weil	Battles	500
Feb'y. 4	Murdock, E. H. & A. S.	Coffee Springs	542
7	Moore, Chancey & Pepper	Phil Campbell	559
18	Mays & Winter	Waverly	825
23	Merritt & Adams	Geneva	666
Mch. 5	Melton & Co.	Pine Apple	682
5	Mills, W. R. & Sons	Pine Apple	688
7	Maroney, C. L. & Co.	Montevallo	696
9	Miller & Sons	Oxford	708
11	Mathews, J. E.	Flint	715
16	Moore, S.	Courtland	753
Feb. 7	Mayberry, W. C & Sons.	Waverly	562
8	Moore, W. S.	Perdue Hill	572
8	Montgomery Bros.	Lincoln	575
8	Miller & Barnett	Berry	576
13	Mapes, M. A.	Phil Campbell	600
Jan. 4	McClung, F. M.	Coats Bend	120
8	McEntine & Millard	Hanceville	144
9	McNaro & Pitman	Albertville	148
14	McKenzie, W. F.	Greenville	193
15	McGehee, Driver & Co.	LaFayette	227
15	McEntyre, Henderson & Adams	Ozark	240
16	McGowen, W. E.	Cuba	302
16	McDonald, T. C.	Luverne	305
17	McClusky & Co. and Boaz Gin Mill Co.	Boaz	346
22	McMillan & Harrison	Mobile	413
25	McEntire Bros.	Cullman	466
Feb'y. 4	McCallet, James E.	Deposit	535
4	McCluney & Miller	Coats Bend	538
7	Mackentepe, J. W. & Son	Cullman	569
16	McWorter, A. J.	Stricklin	624
20	McIntyre & Sellers	Ashford	655
Mch. 5	McEntyre, T. H. & Co.	Coffee Springs	679
7	McCrackin & Baker	Berry Station	698
28	McQueen, J. S. & Co.	Greenville	773
1900			
Oct. 3	N. O. Acid and Fertilizer Company	New Orleans, La.	18
Nov. 3	Navassa Guano Co.	Wilmington, N. C.	43
Dec 24	National Fertilizer Co.	Nashville, Tenn.	84
1901			
Jan. 8	Newman, Robert	Abbeville	103
May 15	Neighbors, J. A. & Co.	Goodwater	264
9	Neighbors, T. L. & Bros.	Goodwater	152
15	Newton, W. F.	Dothan	221
16	Nichols, J. A.	Childersburg	286
21	Nation & Pate	Liberty	407
Jan. 21	Noble, M.	Avery	408
29	Northcutt, J. A.	Winfield	491
Feb'y. 1	Newton, W. M.	Bellville	513

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Date of Issue.	NAME.	P. O. ADDRESS.	No. of Licenses.
1901			
Feb'y. 7	Nolan Bros	Alexander City	556
.. 16	Nelson, Mrs. A. B.	Walnut Grove	622
.. 16	Nixon, W. D.	Merrellton.	626
.. 20	Neher, E. J.	Holleywood	648
Mch. 12	Nettles, L. A.	Kempville.	725
.. 15	Nicholson, L. S.	Collinsville.	736
.. 25	Norwood & Co.	Ft. Deposit.	765
.. 30	Nix, Thomas.	Travis.	778
1900			
Oct. 3	Old Dominion Guano Co.	Atlanta, Ga.	15
.. 3	Opelika Chemical Co.	Opelika	20
.. 30	Ozark C. S. Oil Mill Fert. Co.	Ozark	38
1901			
Jan. 14	Ober, G. & Sons Co.	Baltimore, Md.	185
.. 16	Oakley, W. F.	Columbia.	290
.. 17	Ogletree, T. W.	Eastaboga.	337
.. 18	Overton, E. A.	Huntsville.	363
.. 19	Ogden, F. & Sons.	Sulligent.	381
Jan. 2	Oldfield, John M.	Hazel Green.	410
Feb. 14	Oliver, J. M.	Dadeville.	618
Mch 11	Overstreet, W. W.	Greensboro.	719
1900			
Nov. 2	Patriek, P. A.	Florence.	41
Dec. 29	Perryman, Bros.	Heflin.	90
1901			
May 2	Presswood, J. A.	Andalusia.	100
.. 4	Pilcher, Geo. W.	Dothan.	110
.. 5	Pinkard, E. M.	Clanton.	124
.. 9	Pittman, A. J.	Wehadkee.	150
.. 9	Pilcher, W. C.	Dothan.	154
.. 10	Patton & Archibald.	Foster.	158
.. 11	Phillips, J. R. & Co.	Bear Creek.	170
.. 14	Pridley, W. G.	Sulligent.	180
.. 14	Pinkston, J. C.	Shorter.	195
.. 15	Planters and Merchants Bank.	Ozark.	220
.. 15	Platt and Long.	Kennedy.	244
.. 15	Phillips Bros.	Oxford.	260
.. 15	Pacific Guano Co.	Charleston, S. C.	266
.. 15	Patapsco Guano Co.	Baltimore, Md.	287
Jan. 16	Parish, T. R. & Bros.	Clayton.	275
.. 16	Pope, J. F. & Co.	Vincent.	289
.. 16	Parker, James M.	Equality.	297
.. 16	Pearce, J. P. Son & Co.	Carbon Hill.	309
.. 16	Pearson, H. W.	Alexander City.	311
.. 17	Planters Warehouse and Commission Co.	Eutaw.	326
.. 18	Patterson, M. F. & Son.	Falkville.	356
.. 18	Pope, G. W. & Co.	Luverne.	367
.. 19	Perkins, Jr., W. W. Estale.	Springville.	378
.. 21	Phillips & Goddard.	Clarence.	393
.. 21	Porter & Foster.	Town Creek.	412

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Date of Issue.	NAME.	P. O. ADDRESS.	No. of License.
1901			
Jan. 25	Porter, C. J. & Co.	Jacksonville.	464
.. 26	Perry, W. C.	Seale.	471
.. 26	Pearce, Jim & Co.	Guin.	475
.. 30	Pierce, W. S. & Co.	Louisville.	503
.. 31	Pope, J. F.	Wilsonville.	504
.. 31	Pearce, J. M.	Pearce's Mill.	508
Feb. 1	Prattville Mercantile Co.	Prattville.	521
.. 8	Pride, W. G. & Bro.	Madison.	568
.. 9	Pope, M. F.	Fayetteville.	580
.. 3	Payne, J. M.	New Market.	597
.. 3	Probst Bros.	Fayette.	608
.. 16	Patterson, J. B.	Mid.	628
.. 16	Pressly & Co.	Springville.	631
.. 26	Peacock, S. D.	Garland.	672
Mch. 5	Pilley, R. L.	Georgiana.	681
.. 5	Patterson Bros.	Pine Apple.	687
.. 5	Porter & Stewart.	Munford.	689
.. 8	Pridgen, J. M.	Key.	702
.. 9	Pruett & Pruett.	Goodwater.	711
.. 12	Pully, C. H. & Co.	Huntsville.	723
.. 16	Pitts, W. M.	Union Springs.	742
.. 26	Phillips, J. P. & Co.	Ashville.	766
Apl. 17	Penny, M. F.	Hoke's Bluff.	797
May 5	Parker, C. C. & Co.	Alberville.	810
.. 18	Pepper, W. J.	Phil Campbell.	814
1900			
Oct. 22	Read Phosphate Co.	Nashville, Tenn.	33
Nov. 3	Rasin-Monumental Co.	Baltimore, Md.	44
Dec. 3	Rome Guano Co.	Rome, Ga.	57
1901			
Jan. 2	Rainer Bros.	Troy.	98
.. 4	Rogers, J. W.	Burleson.	116
.. 7	Rhodes & Bro.	Georgiana.	126
.. 7	Riddle, A. J. & Son.	Arab.	134
.. 7	Rouse, L. D.	Wetumpka.	137
.. 9	Reynolds, H. C. & W. B.	Centerville.	151
.. 9	Robertson & Floyd.	Opelika.	153
.. 10	Rice & Russell.	Arab.	164
.. 14	Riddle, D. H.	Goodwater.	181
.. 15	Riddle, S. W. & Co.	Gadsden.	215
.. 16	Rhodes Mill & Mercantile Co., The N. M.	Shell.	299
.. 17	Ramage, Jas. T.	Brundidge.	335
.. 18	Reynolds Bros.	Jemison.	361
.. 19	Russell, R. A. & Co.	Gaylesville.	373
.. 19	Reaves, Launderers & Co.	Effin.	384
.. 21	Russell Bros.	Attalla.	394
.. 22	Rainer, S. P.	Union Springs.	429
.. 24	Roe, S. N.	Elba.	452
.. 24	Reynolds, E. H.	Notasulga.	458
.. 25	Riley, F. M.	Riley.	463

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Date of Issue.	NAME.	P. O. ADDRESS.	No. of License.
1901			
Jan. 28	Read & Co.	Edwardsville.	472
.. 29	Reynolds, J. F.	Nottingham	490
.. 30	Rigsby & Camp	Phil Campbell.	494
.. 30	Randall & Son	Daphne	499
Feb. 1	Robertson, Robt. C.	Fayette	510
.. 1	Ryan & Co	McGuinn.	518
.. 13	Rentz & Turner	Thomasville	593
.. 19	Robertson, Jas. R. & Son.	Cropwell	633
.. 19	Roberts, G. W.	Collinsville.	645
.. 20	Russell, W. W.	Fort Payne	649
.. 23	Ranschenburg, C. F.	Spruce Pine.	664
Mch. 8	Rodgers, T S,	Morris	701
.. 9	Rice, C. E.	North Port.	713
.. 11	Reynolds, H. C & W. B.	Blocton	716
.. 11	Reynolds, Walker.	Rendalia	724
.. 12	Roberts, J. E.	Pleasant Gap	739
.. 16	Rosser & Johnson	Dadeville	745
.. 21	Roberts, W. I.	Fayette	759
.. 22	Roy, J. D.	Deatsville	763
.. 26	Robbins & McGowan Co	Brewten	767
1900			
Oct. 3	Stumpe, J. M.	Florence	1
.. 3	Swift Fertilizer Works	Atlanta, Ga.	12
.. 3	Standard Guano & Chemical Mfg. Co	New Orleans, La.	17
Dec. 10	Smith, R. H.	Collinsville.	62
.. 15	Stewart, W. A.	Dawson.	71
.. 17	Savannah Guano Co.	Savannah, Ga.	72
.. 21	Sanders, J. G. & John.	Dothan.	79
.. 22	Stokes, R. E.	Abbeville	83
.. 28	Snead, J. H.	Boaz.	89
1901			
Jan. 3	Snead, Jas. E.	Snead	105
.. 4	Sellers & Orum	Montgomery	119
.. 7	Schuessler & Co.	Roanoke.	132
.. 8	Stiefelmeyer, C. A.	Cullman	142
.. 10	Snead, C. E. & Bro.	Boaz	160
.. 14	Smitherman, H. M.	Goodwater	182
.. 14	Smith Bros. & Co.	Warrenten	186
.. 14	Stiefelmeyer, C. A.	Hanceville	187
.. 14	Stewart, S. E.	Hartselle	188
.. 15	Stephens, S. B.	Petrey	208
.. 15	Schloss & Kahn	Montgomery.	210
.. 15	Sellers, W. R.	Troy	223
.. 15	Savage, Chas. B.	Evergreen	226
.. 15	Sturkie & Duke	Gadsden	229
.. 15	Shepherd, Z.	Georgiana	242
.. 15	Sanders, G. A. & Son.	Luverne.	257
.. 16	Stewart, T. F.	Spring Garden	288
.. 16	Schiffman, S. & Co.	Huntsville.	301
.. 16	Sibert, W. J.	Gadsden	308

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Date of Issue.	NAME.	P. O. ADDRESS.	No. of License.
1901			
Jan. 16	Scholze & Bro.	Chattanooga, Tenn.	312
" 17	Simms & Bro.	Blountsville, Ala.	315
" 17	Spraggins, J. R.	Hackleburg	318
" 17	Shorter, E. S. & Co.	Eufaula	324
" 17	Shipp & Co.	Albertville	328
" 17	Stanley Bros	Jasper	331
" 17	Scarborough, W. A. & Co.	White Plains	332
" 17	Shellmet N. S.	Welsh	340
" 18	Storey, The A. G. Mercantile Co.	Talladega	353
" 18	Snodgrass, J. D.	Scottsboro	360
" 18	Sanders & Son.	Columbia	362
" 19	Smith, J. W.	Cooper	377
" 19	Smith, M. S.	Selma	385
" 22	Smith & Davis	Fort Payne	426
" 23	Schuessler Bros.	LaFayette	436
" 23	Selman & Co.	Albertville	437
" 24	Self, E.	Selfville	454
" 24	Smith, G. H.	Ealums	456
" 25	Sellers, C. W. & Sons	Inverness	459
" 26	Stark, W. E.	Seale	470
" 28	Stokes, Sessions & Co.	Ozark	485
Feb. 1	Sessions & Mizell	Enterprise	516
" 4	Strock, W. H.	Verbena	527
" 5	Stephens, T. H. & H. B.	Seaborn	544
" 6	Stonacher, F. W.	Luttrell	549
" 7	Schwab Jonas Co.	Birmingham	550
" 6	Smith, E. S.	Argo	552
" 7	Stringfellow, E. M.	Reform	560
" 8	Shreve Bros.	Andalusia	567
" 13	Smith, Fred.	Steels Depot.	601
" 19	Smith, M. L.	Dadeville	634
" 19	Shaw, W. A.	Winfield	641
" 19	Sellman, A. J.	Albertville	644
" 22	Stewart, Formby & Co.	Piedmont	657
" 22	Sampy, W. L.	Gadsden	658
" 22	Sims, J. F.	Brompton	662
" 22	Stewart & Hazlewood.	Eden	663
" 24	Stanford & Collins	Crews Depot.	665
Mch. 12	Sellers, R. D. & Son	Omega	728
" 12	Smith, H. B.	Yancey	730
" 14	Searight Mercantile Co	Searight	735
" 30	Smith Bros	Sylacauga	776
" 30	Stewart, T. O.	Munford	777
Apr. 2	Scott, G. G.	Mt. Pleasant	782
" 5	Stewart, B. M. & J. E.	Spring Garden	788
" 6	Stone, J. A.	Alexis	790
Feb. 17	Skelton, R. S.	Scottsboro	798
May 8	Snow, P. H. & J. T. Mosely	Boaz	813
1900			
Oct. 5	Tennessee Chemical Co.	Nashville, Tenn.	6

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1900			
Oct. 5	Troy Fertilizer Co.....	Troy.....	21
.. 18	Pallapoosa Oil Co.....	Alexander City.....	31
.. 8	Thompson & Kelley.....	Normal.....	23
Nov. 2	Tennessee Valley Fertilizer Co.....	Florence.....	42
.. 5	Trawick & Jernigan.....	Opelika.....	45
.. 14	Talladega Fertilizer Co.....	Talladega.....	49
Dec. 24	Tuscaloosa Cotton Seed Oil Co.....	Tuscaloosa.....	85
1901			
Jan. 10	Thomas Bros.....	Alexander City.....	157
.. 11	Tucker, Willingham & Co.....	Lafayette.....	171
.. 14	Talley, J. T.....	Roanoke.....	190
.. 14	Thornton, E. L., Manager.....	Mountain Creek.....	196
.. 15	Thornton, B. E.....	Gordo.....	214
.. 15	Turnipseed, W. O.....	Oxford.....	259
.. 16	Truss, Geo. M. & Co.....	Springville.....	273
.. 18	Thomas, W. C. & Co.....	Gold Hill.....	357
.. 19	Teague, S. F.....	Birmingham.....	376
.. 25	Thomasville Mercantile Co.....	Thomasville.....	461
.. 26	Thompson, W. C.....	Hartselle.....	474
Feb. 1	Thompson, W. C. & Co.....	Prattville.....	520
.. 4	Talley, Dyer N.....	Trussville.....	539
.. 7	Towers, W. W.....	Maple Grove.....	557
.. 8	Thompson, C. W.....	Tuskegee.....	566
.. 13	Tisdale, W. R.....	Andalusia.....	599
.. 14	Tabor, Jno. T. & Co.....	Keener.....	619
.. 19	Teague Bros.....	Ashville.....	640
.. 20	Thomas & Barwick.....	Oneonta.....	651
Mch. 5	Terry, A. T. & Son.....	Forney.....	691
.. 11	Taylor, G. W.....	Huckabee.....	722
.. 26	Toney, Harris.....	Swancott.....	768
.. 26	Trammell & Co.....	Roanoke.....	770
1900			
Nov. 26	Union Fertilizer Co.....	Atlanta, Ga.....	56
1901			
Feb. 13	Usry, O. E.....	Hebron, Ala.....	603
1900			
Oct. 3	Virginia and Carolina Chemical Co.....	Atlanta, Ga.....	3
.. 11	Virginia and Carolina Chemical Co.....	Newnan, Ga.....	27
Nov. 5	Vandiver & Co., W. F.....	Montgomery.....	46
1901			
Jan. 15	Vandegrift, A. B. & Son.....	Birmingham.....	251
.. 16	Virginia and Carolina Chemical Co.....	Charleston, S. C.....	274
.. 16	Vaughn, W. B.....	Elkmont.....	280
.. 16	Vinson Banking Co.....	Georgiana.....	293
1900			
Oct. 3	Winston, J. H.....	Jenifer.....	18
Nov. 16	Winkler, A. G.....	Greenville.....	52
.. 19	West & McMurry.....	Roanoke.....	54
1901			
Jan. 4	Wright, Henderson & Co.....	Elba.....	118

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1901.			
n. 5	White & Awbrey.....	Roanoke!	122
8	Wood, N. W.....	Collinsville.....	141
8	Wood, W. J.....	Abbeville.....	143
9	Williams, T. B.....	Cullman.....	155
10	Wilhite, W. B.....	Hartselle.....	156
10	Webb, Jno. C.....	Demopolis.....	159
11	Walker, Rushton & Co.....	Rutledge.....	165
21	Walker, J. E.....	Alexander City.....	176
14	Weathers, Swann & Co.....	Roanoke,.....	207
15	Warten, Henry.....	Athens.....	213
15	White & Edmonson.....	Troy.....	219
15	Woodward, J. B.....	Talladega.....	232
15	Wilder, R. M.....	Brantley.....	248
15	Ward, W. L. & Son.....	Selma.....	263
16	Windham, W. C.....	Troy.....	268
16	Warnock & Sons.....	Oxford.....	276
16	Whaley, Monroe.....	Blountsville.....	283
16	Wolf, John P.....	Piedmont.....	285
17	Wright, A. R.....	Farill.....	321
17	White, J. B. & Co.....	Talladega.....	330
18	White & Spigener.....	Goodwater.....	352
18	Weil, M. H. & Co.....	Huntsville.....	366
19	Walker & Ashcraft.....	Kennedy.....	374
21	Willis, J. J. S.....	Mt. Andrew.....	411
22	Webb & Morgan.....	Langston.....	417
22	Whitehead, J. B.....	Winfield.....	422
22	Watkins, F.....	Opelika.....	423
22	White, M. A.....	Attalla.....	427
28	Westmoreland, J. E. F.....	Florence.....	479
29	Walker, J. H.....	Wolf Creek.....	492
31	Williams, P.....	Lebanon.....	505
b. 2	Welden, R. G. & Co.....	Wilsonville.....	524
4	Wilder, A. C. & Co.....	Vincent.....	530
4	Welch & Co., Wm.....	Alexander City.....	540
8	Winn & Son.....	Clayton.....	574
9	Waite & Maddox.....	Easonville.....	583
9	Wood, R. R.....	Childersburg.....	585
9	Wise, G. W.....	Madison.....	586
13	Wilson & Co.....	Russelville.....	609
14	Walker, F. M.....	Dadeville.....	616
14	Williamson, F. F. & Son.....	Opelika.....	620
19	Walls, H. D.....	Grant.....	639
23	Woodall, A. W.....	Springville.....	668
28	Wood & Hattemer.....	Fort Deposit.....	674
h. 5	Ward, H. B.....	Cuba.....	680
5	Windham & Ennis.....	Hillsboro.....	693
7	Wallace, S. H.....	Klein.....	699
9	Williams, Pinkney.....	Lebanon.....	706
9	Walkley, D. W.....	Wetumpka.....	712

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1901.			
Mch. 11	Wilson, W. M. & Bro.....	Clanton.....	75
.. 11	Walker, J. T. & J. B.....	Plevna.....	74
.. 11	Wilson, J. C. & Son.....	Lincoln.....	74
.. 11	Williams, J. S.....	Pansey.....	74
.. 11	Winter, Loeb & Co.....	Montgomery.....	74
.. 11	Waldrip, J. R.....	Hanover.....	74
.. 11	White, J. W. Bros.....	Clayton.....	74
.. 11	Windham & Co.....	Moulton.....	74
.. 11	Wedgeworth, Walter E.....	Akron.....	80
.. 11	Wedgeworth, Will M.....	Greenwood.....	80

FERTILIZER LAWS.

PROVISIONS REGULATING THE SALE OF FERTILIZERS.

378 (139). *Sale or exchange of commercial fertilizers; license required.*—Commercial fertilizers must not be sold or exchanged without a license from the commissioner authorizing the person making the sale or exchange to deal therein. All sales or exchanges made without such license are void.

See citations to section 386 (141).

379 (140). *License; fee; duration.*—On the payment of a fee of one dollar, the commissioner must issue license to any person or firm, or corporation, or association of persons, authorizing the sale or exchange of fertilizers during a season, expiring on the thirtieth day of September of each year.

380. *Evidence.*—The printed report of a commissioner or a certified copy of the record in his office showing the issuance of a license to sell or exchange commercial fertilizers, and to whom and when issued, is presumptive evidence of the fact that such license was issued to such person at such date. But this provision does not preclude the introduction of the license in evidence.

336 (141). *Dealer must attach tags, else sales or exchange void.*—Before selling or exchanging, or offering to sell or exchange fertilizers, the licensees must attach one of such tags to each bag, barrel or package containing two hundred pounds or any less number of pounds; two tags to each bag, barrel or package containing more than two hundred pounds and not more than four hundred pounds, and one additional tag for each additional two hundred pounds or fractional part thereof, contained in such bag, barrel or package; and a sale or exchange of fertilizers not so tagged is void.

A sale of commercial fertilizers, made in violation of statutory requirements, is void, and no recovery can be had for the price.—Campbell v. Segers, 81 Ala. 59; Steiner v. Ray, 84 Ala. 93; Clark's Cove Guano Co., v. Dowling, 85 Ala. 142; Merriam v. Knox, 99 Ala. 93; Brown v. Adair, 104 Ala. 652; Kirby v. Huntsville Fertilizer & Milling Co., 105 Ala. 529.

When contract of sale made in this State.—Johnson v. Hanover Nat. Bank, 88 Ala. 271; Hanover Nat. Bank v. Johnson, 90 Ala. 549; Brown v. Adair, 104 Ala. 652.

Residence of sellers and place of manufacture of goods are immaterial when delivery made in this State.—Merriman v. Knox, 99 Ala. 93; Brown v. Adair, 104 Ala. 652.

Tags must be attached at the time of the sale; if previously attached, and lost before the sale, others must be supplied, else the sale is void. Clark's Cove Guano Co. v. Dowling, 85 Ala. 142; Kirby v. Huntsville F. & M. Co., 105 Ala., 529.

Action on commercial paper given for the price of fertilizers sold without compliance with statutory requirements cannot be maintained, even by a bona fide purchaser before maturity.—Hanover Nat. Bank v. Johnson, 90 Ala. 549.

When want of license pleaded, burden of proof on plaintiff.—Edisto Phosphate Co. v. Sanford, 112 Ala. 493.

387. *Including tag tax in price of fertilizer vitiates sale.*—Whenever any manufacturer, merchant or other person selling fertilizer shall, directly or indirectly, include such tag tax in the price of the fertilizer sold, such sale is void.

388. *Contracts for sale of fertilizers at fictitious prices; only real market value recoverable.*—In contracts for the sale of fertilizers in which an excessive or fictitious price is put upon such fertilizers with the stipulation that if such fertilizers are paid for on or before a certain date they may be paid for in a smaller sum than such excessive or fictitious price, or in cotton or other produce at an excessive or fictitious price, the difference between the excessive or fictitious price charged for the fertilizers and their real market value shall be held a penalty; and in all suits to enforce such contracts only the real market value of such fertilizers, with the interest thereon, shall be recovered.

388. *Parol evidence competent.*—Parol evidence is competent to show such market price, the situation of the parties and the consideration of such contracts, as in cases of usury, notwithstanding any writing in the premises.

390. (42). *Fertilizers to be submitted to commission.*—Before offering a fertilizer for sale or exchange, the person proposing to sell or exchange must submit to a commissioner a written or printed statement, setting forth—

1. The name and brand under which such fertilizer is to be sold or exchanged, the number of pounds contained in the bag, barrel or package, in which it is to be put upon the market, the name or names of the manufacturers, and the place of manufacturing.

2. A statement setting forth the amount of the named ingredients which they are willing to guarantee such fertilizers to contain: First, nitrogen; second, water soluble phosphoric acid; third, citrate soluble phosphoric acid; fourth, acid soluble phosphoric acid; fifth, potash; and such statement shall be held to constitute a guarantee to the purchaser that every package of such fertilizer contains not less than the amount of each ingredient set forth in the statement, and when such statement sets forth the maximum and minimum of any ingredient, the commercial value shall be estimated upon the minimum alone; but this shall not preclude the party from setting forth any other ingredients which the fertilizer may contain, which as well as the preceding, shall be embraced in the guarantee.

See citation to section 386 (141).

391 (143). *Fertilizers or chemicals for manufacturing to be branded.*—All fertilizers or chemicals for manufacturing or composting the same, offered for sale, exchange or distribution, must have branded upon, or attached to each bag, barrel or package, in such manner as the commissioner may by regulation establish, the true analysis of such fertilizers or chemicals, as claimed by the manufacturer, showing the percentage of valuable elements or ingredients such fertilizer or chemical contains, and its commercial value, calculated upon the standard value of the principal ingredients as set forth in the preceding section as priced by the commissioner of agriculture at the beginning of each season, and in every case the brand must specifically set forth the percentage contained in the fertilizer section, in the terms of that section.

392 (144). *Fertilizers; what not included in term.*—The term "fertilizer," or "commercial fertilizer," used in this chapter, does not include common lime, land plaster, cotton seed meal, ashes, or common salt not in combination.

393 (145). *Chemist of department.*—The professor of chemistry of the Agricultural and Mechanical College is the official chemist of the department. On the application of the commissioner he must analyze and certify the analysis of all fertilizers, samples of which are furnished him; and, at the request of the commissioner, if he can without conflict with his duties as professor, must attend conventions of agricultural chemists, make reports of such matters as he may deem of interest to the department, and render such other services in the line of his profession as the commissioner may require.

394 (146). *Compensation of Chemists.*—The chemist is entitled to

his necessary travelling expenses while on duty assigned to him by the commissioner, payable from the funds of the department as provided in the next article.

395 (147). *Copy of official analysis evidence.*—The copy of the official analysis of any fertilizer or chemical, under the seal of the department of agriculture, shall be admissable as evidence in any of the courts of the State. on the trial of any issue involving the merits of such fertilizer or chemical.