

ALABAMA DEPARTMENT OF AGRICULTURE & INDUSTRIES

RICK PATE
Commissioner



FERTILIZER AND FERTILIZER MATERIAL

Fiscal Year 2022 – 2023

Department Bulletin No. 149



Rick Pate
Commissioner

ALABAMA DEPARTMENT OF AGRICULTURE & INDUSTRIES

1445 Federal Drive • Montgomery, Alabama 36107-1123

Honorable Rick Pate
Commissioner of Alabama Department of Agriculture & Industries
1445 Federal Drive
Montgomery, Alabama 36107-1123

Dear Commissioner Pate:

Submitted herewith is a report setting forth the results of analyses of the official fertilizer samples obtained from fertilizer manufacturers marketing in Alabama during the fiscal year 2022 - 2023, The Laws of Alabama Relating to Agriculture Section §2-22-19, requires the annual publication of this report.

As in previous publications, this year's fertilizer bulletin not only lists the samples and deficiencies, but also summarizes them by fertilizer type. We believe this format provides more information that is detailed for farmers, household consumers, and manufacturers.

We feel this report not only informs the Alabama consumers but also reflects the diverse products manufactured by various companies marketing fertilizer in Alabama.

Sincerely,

Blake & Pickett

Blake Pickett, Unit Manager *Agricultural
Compliance Inspection Section*

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2022 ~ 2023

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CONTROL OF FERTILIZER AND FERTILIZER MATERIAL IN ALABAMA

The fertilizer control program in Alabama established by the Alabama Fertilizer Law of 1969, which is designated to protect manufacturers and users of fertilizer by the licensing of manufacturers and inspection, sampling and analysis of commercial fertilizer and fertilizer materials marketed in this state.

The fertilizer laws and the regulations promulgated by the State Board of Agriculture. The enforcement of the laws is administered by the Agricultural Compliance Inspection Division. The offices are in the Richard Beard Building, 1445 Federal Drive, Montgomery, Alabama 36107. The State Chemical Laboratory, Auburn, Alabama, carries out the analytical and laboratory work on all samples for fertilizer, lime, and feed.

STATE CHEMICAL LABORATORY
1001 Wire Road
Auburn, Alabama 36832

Rebecca Moseley, Director ----- Auburn

AGRICULTURAL COMPLIANCE INSPECTION SECTION

Blake Pickett-----Montgomery
Agricultural Compliance Inspection Section, *Program Manager*

Patricia Pollard-----Montgomery
Agricultural Compliance Inspection Section, *Administration Assistant*,
Penalty collector for Feed, Fertilizer, and Lime.

Macie Cooper -----Montgomery
Agricultural Compliance Inspection Section, *Administration Assistant*,
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Agriculture Compliance Field Inspectors and Territories

Jamie Booker ----- Atmore
Agricultural & Consumer Protection Specialist, *Field Supervisor*

Territory: Baldwin Escambia Mobile Monroe
 Conecuh Covington

Jason Fields ----- Hartselle
Consumer Protection Specialist

Territory: Limestone Morgan Madison Cullman
 Blount Jefferson

Coty Galloway ----- Jacksonville
Consumer Protection Specialist

Territory: St. Clair Cherokee Marshall DeKalb
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Carl Jackson ----- Camden
Coordinator for Federal Animal Feed Contract and Consumer Protection
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Territory: Pickens Sumter Greene Hale
 Marengo Choctaw Washington Clarke
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 Dallas Lowndes Butler Crenshaw

Bill McMillan ----- Dothan
Consumer Protection Specialist

Territory: Houston Henry Geneva Pike
Barbour Coffee Macon

Kenny Mehearg ----- Wetumpka
Consumer Protection Specialist

Territory: Macon Coosa Elmore Autauga
Bullock Chambers Lee Randolph
Montgomery Shelby Chilton Russell
Chilton Clay Tallapoosa

Kevin Rye ----- Hamilton
Consumer Protection Specialist

Territory: Fayette Marion Walker Lauderdale
Lamar Winston Colbert Franklin
Lawrence

FOREWORD

During the 2022 - 2023, fiscal year the fertilizer of the various manufacturers marketed in the state of Alabama were inspected and samples collected based on the annual volume of sales enjoyed by each manufacturer.

This bulletin contains a table showing the total number of fertilizer samples obtained representing each manufacturer's products and the number of these that proved by official analysis to be deficient from guarantee, and a listing of all the official samples and results of analyses.

FERTILIZER TONNAGE
Fiscal Year
October 1 ~ September 30

<u>Year</u>	<u>Tonnage</u>
1913-14	595,200
1914-15	301,801
1915-16	212,250
1916-17	209,724
1917-18	292,623
1918-19	298,007
1919-20	391,171
1920-21	180,248
1921-22	295,429
1922-23	436,786
1923-24	472,260
1924-25	580,000
1925-26	603,444
1926-27	468,683
1927-28	692,318
1928-29	677,375
1929-30	648,150
1930-31	421,050
1931-32	204,900
1932-33	274,600
1933-34	368,600
1934-35	421,200
1935-36	470,500
1936-37	622,300
1937-38	534,950
1938-39	554,450
1939-40	579,250
1940-41	572,000
1941-42	574,000
1942-43	631,000
1943-44	720,000
1944-45	735,000
1945-46	805,954
1946-47	777,600
1947-48	964,644
1948-49	1,057,087
1949-50	1,005,548
1950-51	1,104,041
1951-52	1,146,515

FERTILIZER TONNAGE

<u>Year</u>	<u>Tonnage</u>
1952-53-----	1,063,422
1953-54-----	1,089,000
1954-55-----	1,108,000
1955-56-----	1,057,000
1956-57-----	985,000
1957-58-----	908,353
1959-60-----	1,038,697
1960-61-----	1,012,707
1961-62-----	984,883
1962-63-----	1,003,275
1963-64-----	998,356
1964-65-----	989,569
1965-66-----	985,693
1966-67-----	1,009,830
1967-68-----	1,049,777
1968-69-----	1,047,438
1969-70-----	1,006,521
1970-71-----	1,033,627
1971-72-----	1,106,774
1972-73-----	1,164,090
1973-74-----	1,123,396
1974-75-----	909,375
1975-76-----	1,076,903
1976-77-----	1,113,212
1977-78-----	1,054,145
1978-79-----	1,036,518
1979-80-----	957,572
1980-81-----	1,014,152
1981-82-----	886,971
1982-83-----	740,636
1983-84-----	868,848
1984-85-----	855,837
1985-86-----	693,742
1986-87-----	659,767
1987-88-----	621,421
1988-89-----	626,436
1989-90-----	677,385
1990-91-----	637,792
1991-92-----	666,675

FERTILIZER TONNAGE

<u>Year</u>	<u>Tonnage</u>
1992-93-----	719,346
1993-94-----	739,340
1994-95-----	706,867
1995-96-----	746,996
1996-97-----	738,632
1997-98-----	739,798
1998-99-----	738,803
1999-00-----	628,838
2000-01-----	780,042
2001-02-----	708,944
2002-03-----	629,418
2003-04-----	658,655
2004-05-----	580,663
2005-06-----	633,901
2006-07-----	694,566
2007-08-----	653,006
2008-09-----	633,805
2009-10-----	451,877
2010-11-----	473,065
2011-12-----	482,751
2012-13-----	493,672
2013-14-----	513,187
2014-15-----	489,490
2015-16-----	538,439
2016-17-----	588,874
2017-18-----	626,345
2018-19-----	626,308
2019-20-----	671,736
2020-21-----	710,495
2021-22-----	541,121
2022-23-----	598,977

COMMERCIAL VALUE OF FERTILIZERS

In keeping with Section §2-22-14 of the Alabama Fertilizer Law of 1969 (Chapter 22, Title 2, Code of Alabama 1975), it has been determined that the commercial values of the fertilizer ingredients, Nitrogen, P₂O₅, K₂O, were moved throughout the 2022-2023 year to be as follows:

- Nitrogen (N):
Beginning the year at \$28.70, and ending the year with \$16.91 per percent unit per ton
- Available Phosphorus (P₂O₅):
Beginning the year at \$16.17, and ending the year with \$11.04 per percent unit per ton
- Soluble Potassium (K₂O):
Beginning the year at \$14.63, and ending the year with \$10.70 per percent unit per ton

To compute the values of fertilizer according to this scale the valuation of nitrogen per ton obtained by multiplying the percent of this constituent by \$16.91. The value of available phosphorus per ton is determined by multiplying the percent of the constituent by \$11.04. The value of available soluble potassium is determined by multiplying the percent of soluble potassium by \$10.703 in order to arrive at the potash value per ton.

- An example of determining the commercial value of §4-12-12 is stated below:

Nitrogen (N) -----	4.00 x \$ 16.91	= \$67.64
Available Phosphorus (P ₂ O ₅) -----	12.00 x \$ 11.04	= \$132.42
Soluble Potassium (K ₂ O) -----	12.00 x \$ 10.70	= \$128.40

TOTAL COMMERCIAL VALUE \$328.46

TYPES OF FERTILIZER SAMPLED

DBP - DRY BLEND PACKAGED

DBB - DRY BLEND BULK

GP - GRANULAR PACKAGED

GB - GRANULAR BULK

LB - LIQUID BULK OR SUSPENSION BULK

LP - LIQUID PACKAGED

Inspector Sample Identification

Jamie Booker ----- JB

Jason Fields----- JF

Coty Galloway----- CG

Carl Jackson ----- CJ

Bill McMillan ----- BM

Kenny Mehearg----- KM

Blake Pickett ----- BP

Kevin Rye ----- KR

FERTILIZER SAMPLES ANALYSIS BY COMPANY

COMPANY NAME	SAMPLE NUMBER	DATE SAMPLED	LABEL GUARANTEE				ANALYSIS FOUND									
			N	/	P	/	K	/	CV	N	/	P	/	K	/	CV
ADVANSIX	62-JB-23-FERT	04/06/2023	21	/	0	/	0	/	355.11	21.32	/	0	/	0	/	360.52
ANDALUSIA FARMERS CO-OP	33-JB-23-FERT	03/09/2023	7	/	12	/	28	/	550.39	6.67	/	12.93	/	28.17	/	556.89
ANDALUSIA FARMERS CO-OP	34-JB-23-FERT	03/09/2023	7	/	12	/	28	/	550.39	6.69	/	12.05	/	28.08	/	546.56
ANDALUSIA FARMERS CO-OP	35-JB-23-FERT	03/09/2023	24	/	0	/	12	/	534.24	23.58	/	0	/	13.23	/	540.30
ATMORE AGRONOMY	28-JB-23-FERT	03/07/2023	30	/	0	/	0	/	507.30	30.05	/	0	/	0	/	508.15
ATMORE AGRONOMY	29-JB-23-FERT	03/07/2023	30	/	0	/	0	/	507.30	31.68	/	0	/	0	/	535.71
ATMORE AGRONOMY	30-JB-23-FERT	03/07/2023	7	/	9	/	36	/	602.89	7.24	/	8.33	/	36.16	/	601.26
ATMORE AGRONOMY	31-JB-23-FERT	03/07/2023	7	/	9	/	36	/	602.89	7.55	/	7.60**	/	36.28	/	599.74
ATMORE AGRONOMY	51-JB-23-FERT	03/31/2023	13	/	11	/	29	/	651.52	13.63	/	11.96	/	28.43	/	666.66
ATMORE AGRONOMY	52-JB-23-FERT	03/31/2023	13	/	11	/	29	/	651.52	13.35	/	11.62	/	29.10	/	665.35
ATMORE AGRONOMY	53-JB-23-FERT	04/04/2023	8	/	11	/	33	/	609.77	8.50	/	10.17	/	35.14	/	631.97
ATMORE AGRONOMY	54-JB-23-FERT	04/04/2023	8	/	11	/	33	/	609.77	7.78	/	9.96	/	35.63	/	622.71
ATMORE AGRONOMY	55-JB-23-FERT	04/04/2023	8	/	10	/	33	/	598.73	8.98	/	10.98	/	31.74	/	612.63
ATMORE AGRONOMY	56-JB-23-FERT	04/04/2023	8	/	10	/	33	/	598.73	8.08	/	10.30	/	34.10	/	615.16
ATMORE AGRONOMY	66-JB-23-FERT	04/14/2023	13	/	11	/	29	/	651.52	13.42	/	10.92	/	28.66	/	654.09
ATMORE AGRONOMY	67-JB-23-FERT	04/14/2023	7	/	9	/	36	/	602.89	7.09	/	8.42	/	35.96	/	597.57
ATMORE AGRONOMY	81-JB-23-FERT	05/12/2023	6	/	15	/	27	/	555.89	6.52	/	15.54	/	25.06	/	549.87
ATMORE AGRONOMY	82-JB-23-FERT	05/12/2023	6	/	15	/	27	/	555.89	6.05	/	15.27	/	26.55	/	554.89
ATMORE AGRONOMY	95-JB-23-FERT	06/26/2023	0	/	0	/	44	/	470.80	0	/	0	/	42.63	/	456.14
ATMORE AGRONOMY	96-JB-23-FERT	06/26/2023	0	/	0	/	44	/	470.80	0	/	0	/	45.18	/	483.43
ATMORE AGRONOMY	103-JB-23-FERT	07/11/2023	3	/	9	/	32	/	492.45	3.43	/	8.83	/	32.04	/	498.27
ATMORE AGRONOMY	104-JB-23-FERT	07/11/2023	3	/	9	/	32	/	492.45	3.84	/	9.30	/	30.40	/	492.84
ATMORE AGRONOMY	105-JB-23-FERT	07/11/2023	17	/	10	/	19	/	601.12	17.49	/	9.98	/	19.95	/	619.35
ATMORE AGRONOMY	106-JB-23-FERT	07/11/2023	17	/	10	/	19	/	601.12	16.68	/	9.07	/	20.78	/	604.50
ATMORE TRUCKERS	49-JB-23-FERT	03/24/2023	14	/	18	/	18	/	627.97	15.13	/	20.03	/	17.03	/	659.10
CAROLINA EASTERN INC	38-CJ-23-FERT	06/07/2023	46	/	0	/	0	/	777.86	45.97	/	0	/	0	/	777.35
CULLMAN FARMERS COOP	40-JF-23-FERT	05/01/2023	4.0	/	13.0	/	27.0	/	500.00	3.91	/	12.97	/	24.94	/	476.10
CULLMAN FARMERS COOP	41-JF-23-FERT	05/01/2023	25.0	/	0	/	15.0	/	583.25	25.03	/	0	/	15.76	/	591.89
DEKALB FARMERS CO-OP	12-CG-23-FERT	04/17/2023	9.0	/	15.0	/	22.0	/	553.12	10.36	/	17.30	/	21.11	/	591.98
DEKALB FARMERS CO-OP	37-CG-23-FERT	06/08/2023	39.0	/	0	/	0	/	659.49	39.56	/	0	/	0	/	668.96
DEKALB FARMERS CO-OP	38-CG-23-FERT	06/08/2023	39.0	/	0	/	0	/	659.49	37.47	/	0	/	0	/	633.62

COMPANY NAME	SAMPLE NUMBER	DATE SAMPLED	LABEL GUARANTEE				ANALYSIS FOUND									
			N	/	P	/	K	/	CV	N	/	P	/	K	/	CV
DEKALB FARMERS CO-OP	39-CG-23-FERT	06/08/2023	39.0	/	0	/	0	/	659.49	38.33	/	0	/	0	/	648.16
DEKALB FARMERS CO-OP	40-CG-23-FERT	06/08/2023	39.0	/	0	/	0	/	659.49	38.81	/	0	/	0	/	656.28
DEKALB FARMERS CO-OP - RAINSVILLE	5-CG-23-FERT	04/11/2023	12.0	/	5.0	/	26.0	/	536.30	12.42	/	5.53	/	28.01	/	570.75
DEKALB FARMERS CO-OP - RAINSVILLE	6-CG-23-FERT	04/11/2023	12.0	/	5.0	/	26.0	/	536.30	12.37	/	5.98	/	29.05	/	586.00
DEKALB FARMERS CO-OP - RAINSVILLE	7-CG-23-FERT	04/11/2023	12.0	/	5.0	/	26.0	/	536.30	10.96	/	6.28	/	29.97	/	575.31
DEKALB FARMERS CO-OP - RAINSVILLE	8-CG-23-FERT	04/11/2023	12.0	/	5.0	/	26.0	/	536.30	12.36	/	5.81	/	27.83	/	570.90
DEKALB FARMERS CO-OP - RAINSVILLE	9-CG-23-FERT	04/11/2023	40	/	0	/	0	/	676.40	40.50	/	0	/	0	/	684.86
DEKALB FARMERS CO-OP - RAINSVILLE	10-CG-23-FERT	04/11/2023	7.0	/	7.0	/	31.0	/	527.32	7.59	/	7.87	/	32.30	/	560.81
DEKALB FARMERS CO-OP - RAINSVILLE	11-CG-23-FERT	04/11/2023	7.0	/	7.0	/	31.0	/	527.32	7.01	/	9.05	/	33.07	/	572.26
ELBERTA FARMERS CO-OP	27-JB-23-FERT	03/07/2023	17	/	2	/	7	/	384.44	16.91	/	2.44	/	7.84	/	396.77
ELBERTA FARMERS CO-OP	107-JB-23-FERT	07/20/2023	19	/	11	/	14	/	592.48	19.10	/	11.45	/	15.57	/	615.93
ELBERTA FARMERS CO-OP	108-JB-23-FERT	07/20/2023	19	/	11	/	14	/	592.48	19.91	/	11.14	/	14.64	/	616.26
ELBERTA FARMERS CO-OP	109-JB-23-FERT	07/20/2023	19	/	11	/	14	/	592.48	19.74	/	11.04	/	14.21	/	607.68
ELBERTA FARMERS CO-OP	110-JB-23-FERT	07/20/2023	19	/	11	/	14	/	592.48	19.00	/	11.63	/	14.40	/	603.71
ELLIS AG	16-CG-23-FERT	04/18/2023	24.9	/	5.6	/	14.0	/	632.66	25.62	/	5.21	/	13.02	/	630.03
ELLIS AG	17-CG-23-FERT	04/18/2023	24.9	/	5.6	/	14.0	/	632.66	24.88	/	5.07	/	13.44	/	620.48
ELLIS AG	18-CG-23-FERT	04/18/2023	24.9	/	5.6	/	14.0	/	632.66	24.99	/	3.88**	/	12.37**	/	597.76
ELLIS AG	30-CG-23-FERT	06/06/2023	21.0	/	5.2	/	20.9	/	636.12	20.96	/	4.72	/	20.42	/	625.01
ELLIS AG	31-CG-23-FERT	06/06/2023	21.0	/	5.2	/	20.9	/	636.12	24.67	/	3.70**	/	17.91**	/	649.64
ELLIS AG	32-CG-23-FERT	06/06/2023	21.0	/	5.2	/	20.9	/	636.12	20.67	/	4.42**	/	21.08	/	623.86
ELLIS AG	33-CG-23-FERT	06/06/2023	40.5	/	0	/	0	/	684.86	40.50	/	0	/	0	/	684.86
ELLIS AG	34-CG-23-FERT	06/06/2023	40.5	/	0	/	0	/	684.86	39.62	/	0	/	0	/	669.97
ELLIS AG	35-CG-23-FERT	06/06/2023	40.5	/	0	/	0	/	684.86	39.88	/	0	/	0	/	674.37
ELMORE COUNTY FARMERS EXCHANGE	7-KM-23-FERT	03/23/2023	25.0	/	7.0	/	10.0	/	607.00	25.92	/	7.57	/	9.76	/	626.27
ELMORE COUNTY FARMERS EXCHANGE	8-KM-23-FERT	03/23/2023	25.0	/	7.0	/	10.0	/	607.00	25.76	/	7.81	/	9.73	/	625.89
ELMORE COUNTY FARMERS EXCHANGE	24-KM-23-FERT	05/05/2023	19.0	/	9.0	/	19.0	/	623.91	18.52	/	9.87	/	19.98	/	635.88
ELMORE COUNTY FARMERS EXCHANGE	33-KM-23-FERT	05/17/2023	20.0	/	5.0	/	18.0	/	585.98	19.96	/	4.97	/	18.43	/	589.56
ELMORE COUNTY FARMERS EXCHANGE	34-KM-23-FERT	05/17/2023	20.0	/	5.0	/	18.0	/	585.98	19.91	/	5.03	/	18.76	/	592.92
ELMORE COUNTY FARMERS EXCHANGE	37-KM-23-FERT	06/12/2023	12.0	/	10.0	/	31.0	/	644.97	11.59	/	10.52	/	30.74	/	641.00
ELMORE COUNTY FARMERS EXCHANGE	38-KM-23-FERT	06/12/2023	12.0	/	10.0	/	31.0	/	644.97	12.15	/	9.58	/	30.32	/	635.60
ELMORE COUNTY FARMERS EXCHANGE	39-KM-23-FERT	06/12/2023	20.0	/	0	/	20.0	/	552.20	19.72	/	0	/	20.74	/	555.39
ELMORE COUNTY FARMERS EXCHANGE	40-KM-23-FERT	06/12/2023	20.0	/	0	/	20.0	/	552.20	20.25	/	0	/	19.23	/	548.19

COMPANY NAME	SAMPLE NUMBER	DATE SAMPLED	LABEL GUARANTEE				ANALYSIS FOUND									
			N	/	P	/	K	/	CV	N	/	P	/	K	/	CV
FARMERS CO-OP MKT - FRISCO CITY	10-JB-23-FERT	03/01/2023	9	/	23	/	30	/	727.00	9.14	/	25.59	/	27.44	/	730.56
FARMERS CO-OP MKT - FRISCO CITY	32-JB-23-FERT	03/08/2023	26	/	28	/	0	/	748.64	25.11	/	27.25	/	0	/	725.31
FARMERS CO-OP MKT - FRISCO CITY	40-JB-23-FERT	03/21/2023	9	/	23	/	30	/	727.00	8.90	/	24.45	/	28.42	/	724.40
FARMERS CO-OP MKT - FRISCO CITY	41-JB-23-FERT	03/21/2023	35	/	17	/	0	/	779.45	32.99	/	21.69	/	0	/	797.21
FARMERS CO-OP MKT - FRISCO CITY	42-JB-23-FERT	03/21/2023	8	/	22	/	29	/	688.35	8.44	/	21.48	/	29.38	/	694.12
FARMERS CO-OP MKT - FRISCO CITY	43-JB-23-FERT	03/21/2023	8	/	22	/	29	/	688.35	8.95	/	23.33	/	27.50	/	703.04
FARMERS CO-OP MKT - FRISCO CITY	64-JB-23-FERT	04/12/2023	40	/	0	/	0	/	676.40	38.50	/	0	/	0	/	651.04
FARMERS CO-OP MKT - FRISCO CITY	65-JB-23-FERT	04/12/2023	25	/	7	/	15	/	660.50	24.86	/	6.30	/	15.62	/	657.03
FARMERS CO-OP MKT - FRISCO CITY	98-JB-23-FERT	07/05/2023	43	/	0	/	0	/	727.13	43.13	/	0	/	0	/	729.33
FARMERS CO-OP MKT - FRISCO CITY	99-JB-23-FERT	07/05/2023	18	/	10	/	20	/	628.73	18.98	/	9.91	/	20.24	/	646.88
FARMERS CO-OP MKT - FRISCO CITY	100-JB-23-FERT	07/05/2023	28	/	0	/	0	/	473.48	28.51	/	0	/	0	/	482.10
FEDERER FERTILIZER INC	32-JF-23-FERT	04/19/2023	30.0	/	0	/	15.0	/	667.80	30.70	/	0	/	14.75	/	676.96
FEDERER FERTILIZER INC	33-JF-23-FERT	04/19/2023	24.0	/	0	/	24.0	/	662.64	25.74	/	0	/	21.86	/	669.16
GARRISON FARM SUPPLY	12-KM-23-FERT	04/14/2023	17.0	/	17.0	/	17.0	/	656.97	16.83	/	17.86	/	17.38	/	667.66
GARRISON FARM SUPPLY	13-KM-23-FERT	04/14/2023	23.0	/	5.0	/	13.0	/	583.21	24.05	/	5.63	/	11.49**	/	591.76
GENCO COOPERATIVE/ELBA	1-BP-23-FERT	11/10/2022	30	/	0	/	0	/	507.30	30.79	/	0	/	0	/	520.66
GREENPOINT AG - DECATUR	1-JF-23-FERT	02/06/2023	21.0	/	0	/	0	/	355.11	20.71	/	0	/	0	/	350.21
GREENPOINT AG - DECATUR	2-JF-23-FERT	02/06/2023	21.0	/	0	/	0	/	355.11	20.64	/	0	/	0	/	349.02
GREENPOINT AG - DECATUR	3-JF-23-FERT	02/06/2023	21.0	/	0	/	0	/	355.11	21.16	/	0	/	0	/	357.82
GREENPOINT AG - DECATUR	4-JF-23-FERT	02/06/2023	21.0	/	0	/	0	/	355.11	21.13	/	0	/	0	/	357.31
GREENPOINT AG - DECATUR	5-JF-23-FERT	02/06/2023	46.0	/	0	/	0	/	777.86	46.00	/	0	/	0	/	777.86
GREENPOINT AG - DECATUR	6-JF-23-FERT	02/06/2023	46.0	/	0	/	0	/	777.86	46.16	/	0	/	0	/	780.57
GREENPOINT AG - DECATUR	9-JF-23-FERT	02/06/2023	46.0	/	0	/	0	/	777.86	45.77	/	0	/	0	/	773.97
GREENPOINT AG - DECATUR	10-JF-23-FERT	02/06/2023	46.0	/	0	/	0	/	777.86	46.30	/	0	/	0	/	782.93
GREENPOINT AG - DECATUR	4-CG-23-FERT	04/11/2023	18.0	/	46.0	/	0	/	811.99	18.13	/	47.85	/	0	/	834.60
GREENPOINT AG - DECATUR	23-JF-23-FERT	04/17/2023	18.0	/	46.0	/	0	/	811.99	18.46	/	47.47	/	0	/	835.99
GREENPOINT AG - DECATUR	21-CG-23-FERT	04/19/2023	ns	/	ns	/	ns	/	0	3.45	/	None	/	53.03	/	625.76
GREENPOINT AG - DECATUR	22-CG-23-FERT	04/20/2023	0	/	0	/	60.0	/	642.00	0	/	0	/	59.05	/	631.83
GREENPOINT AG - DECATUR	23-CG-23-FERT	04/21/2023	5.0	/	15.0	/	30.0	/	571.08	5.72	/	15.96	/	31.13	/	605.94
GREENPOINT AG - DECATUR	15-KM-23-FERT	04/18/2023	12.0	/	40.0	/	0	/	644.32	12.09	/	41.93	/	0	/	667.14
GREENPOINT AG - DECATUR	39-JF-23-FERT	04/25/2023	46.0	/	0	/	0	/	777.86	46.24	/	0	/	0	/	781.92
GREENPOINT AG - DECATUR	24-CG-23-FERT	05/02/2023	0	/	0	/	60.0	/	642.00	0	/	0	/	58.27	/	623.49

COMPANY NAME	SAMPLE NUMBER	DATE SAMPLED	LABEL GUARANTEE				ANALYSIS FOUND									
			N	/	P	/	K	/	CV	N	/	P	/	K	/	CV
GREENPOINT AG - DECATUR	25-CG-23-FERT	05/02/2023	12.0	/	40.0	/	0	/	644.32	12.11	/	40.80	/	0	/	655.01
GREENPOINT AG - DECATUR	26-CG-23-FERT	05/02/2023	0	/	0	/	21.0	/	224.70	0	/	0	/	21.54	/	230.48
GREENPOINT AG - DECATUR	27-CG-23-FERT	05/02/2023	46.0	/	0	/	0	/	777.86	45.87	/	0	/	0	/	775.66
GREENPOINT AG - DECATUR	28-CG-23-FERT	05/02/2023	6.0	/	15.0	/	30.0	/	587.99	5.20**	/	14.12	/	30.01	/	564.85
GREENPOINT AG - DECATUR	50-JF-23-FERT	05/10/2023	0	/	0	/	60.0	/	642.00	0	/	0	/	59.68	/	638.58
GREENPOINT AG - DECATUR	29-CG-23-FERT	05/31/2023	46.0	/	0	/	0	/	777.86	45.72	/	0	/	0	/	773.13
GREENPOINT AG - DECATUR	41-CG-23-FERT	06/26/2023	46.0	/	0	/	0	/	777.86	45.76	/	0	/	0	/	773.80
GREENPOINT AG - DECATUR	18-KR-23-FERT	07/18/2023	0	/	0	/	21	/	224.70	0	/	0	/	21.78	/	233.05
GREENPOINT AG - EVERGREEN	7-JB-23-FERT	11/09/2022	17	/	17	/	17	/	656.97	17.78	/	19.34	/	14.88**	/	673.30
GREENPOINT AG - EVERGREEN	5-CJ-23-FERT	02/08/2023	34	/	0	/	0	/	574.94	32.94	/	0	/	0	/	557.02
GREENPOINT AG - EVERGREEN	6-CJ-23-FERT	02/08/2023	15	/	0	/	15	/	414.15	15.05	/	0	/	15.46	/	419.92
GREENPOINT AG - EVERGREEN	8-JB-23-FERT	02/07/2023	17	/	17	/	17	/	656.97	18.34	/	16.58	/	16.49	/	669.53
GREENPOINT AG - EVERGREEN	9-JB-23-FERT	02/07/2023	10	/	10	/	10	/	386.45	12.29	/	11.60	/	10.62	/	449.46
GREENPOINT AG - EVERGREEN	8-CJ-23-FERT	02/24/2023	46	/	0	/	0	/	777.86	45.50	/	0	/	0	/	769.41
GREENPOINT AG - EVERGREEN	9-CJ-23-FERT	03/14/2023	4	/	8	/	12	/	284.32	3.96	/	7.98	/	11.37	/	276.68
GREENPOINT AG - EVERGREEN	10-CJ-23-FERT	03/14/2023	0	/	20	/	20	/	434.70	0	/	19.75	/	15.02**	/	378.65
GREENPOINT AG - EVERGREEN	11-CJ-23-FERT	03/14/2023	15	/	0	/	15	/	414.15	15.69	/	0	/	15.77	/	434.06
GREENPOINT AG - EVERGREEN	12-CJ-23-FERT	03/14/2023	13	/	13	/	13	/	502.39	12.72	/	16.04	/	11.64**	/	516.65
GREENPOINT AG - EVERGREEN	13-CJ-23-FERT	03/20/2023	8	/	24	/	24	/	656.92	8.96	/	23.62	/	23.00	/	658.26
GREENPOINT AG - EVERGREEN	14-CJ-23-FERT	03/20/2023	33	/	0	/	0	/	558.03	31.37	/	0	/	0	/	530.47
GREENPOINT AG - EVERGREEN	15-CJ-23-FERT	03/20/2023	13	/	13	/	13	/	502.39	11.56**	/	16.51	/	10.10**	/	485.74
GREENPOINT AG - EVERGREEN	16-CJ-23-FERT	03/21/2023	18	/	46	/	0	/	811.99	16.78	/	43.44	/	0	/	763.11
GREENPOINT AG - EVERGREEN	17-CJ-23-FERT	03/21/2023	34	/	0	/	0	/	574.94	33.91	/	0	/	0	/	573.42
GREENPOINT AG - EVERGREEN	18-CJ-23-FERT	03/21/2023	13	/	13	/	13	/	502.39	13.05	/	13.73	/	13.39	/	515.46
GREENPOINT AG - EVERGREEN	26-CJ-23-FERT	04/06/2023	8	/	8	/	8	/	309.16	8.01	/	7.22	/	6.10**	/	280.39
GREENPOINT AG - EVERGREEN	27-CJ-23-FERT	04/06/2023	17	/	17	/	17	/	656.97	16.44	/	18.80	/	20.37	/	703.42
GREENPOINT AG - EVERGREEN	60-JB-23-FERT	04/06/2023	5	/	10	/	15	/	355.40	6.09	/	11.42	/	14.74	/	386.72
GREENPOINT AG - EVERGREEN	61-JB-23-FERT	04/06/2023	16	/	4	/	8	/	400.30	17.38	/	4.48	/	7.50	/	423.59
GREENPOINT AG - EVERGREEN	75-JB-23-FERT	05/05/2023	21	/	0	/	0	/	355.11	21.28	/	0	/	0	/	359.84
GREENPOINT AG - EVERGREEN	33-CJ-23-FERT	05/16/2023	17	/	17	/	17	/	656.97	16.58	/	17.13	/	17.22	/	653.65
GREENPOINT AG - EVERGREEN	80-JB-23-FERT	05/12/2023	21	/	0	/	0	/	355.11	21.25	/	0	/	0	/	359.34
GREENPOINT AG - EVERGREEN	86-JB-23-FERT	05/16/2023	13	/	13	/	13	/	502.39	7.68**	/	15.63	/	15.58	/	469.06

COMPANY NAME	SAMPLE NUMBER	DATE SAMPLED	LABEL GUARANTEE						ANALYSIS FOUND							
			N	/	P	/	K	/	CV	N	/	P	/	K	/	CV
GREENPOINT AG - EVERGREEN	39-CJ-23-FERT	06/12/2023	13	/	13	/	13	/	502.39	10.54**	/	10.98**	/	13.35	/	442.23
GREENPOINT AG - EVERGREEN	91-JB-23-FERT	06/14/2023	33	/	0	/	6	/	622.23	32.29	/	0	/	6.78	/	618.57
GREENPOINT AG - EVERGREEN	92-JB-23-FERT	06/14/2023	17	/	17	/	17	/	656.97	16.92	/	19.27	/	16.19	/	671.99
GREENPOINT AG - GRAND BAY	44-JB-23-FERT	03/23/2023	12	/	30	/	20	/	747.97	12.96	/	33.74	/	17.83**	/	782.25
GREENPOINT AG - GRAND BAY	45-JB-23-FERT	03/23/2023	12	/	30	/	20	/	747.97	12.14	/	30.22	/	20.77	/	761.01
GREENPOINT AG - GRAND BAY	46-JB-23-FERT	03/23/2023	12	/	30	/	20	/	747.97	11.94	/	31.94	/	18.54	/	752.75
GREENPOINT AG - GRAND BAY	47-JB-23-FERT	03/23/2023	12	/	30	/	20	/	747.97	11.55	/	30.01	/	19.02	/	729.98
GREENPOINT AG - GRAND BAY	93-JB-23-FERT	06/16/2023	NS	/	0	/	0	/	0	23.52	/	0	/	0	/	397.72
GREENPOINT AG - HEADLAND	3BM-23-FERT	04/11/2023	20	/	0	/	20	/	552.20	21.47	/	0	/	18.47	/	560.69
GREENPOINT AG - HEADLAND	4BM-23-FERT	04/11/2023	10	/	20	/	26	/	668.00	10.86	/	21.79	/	24.64	/	687.74
GREENPOINT AG - HEADLAND	9-BM-23-FERT	06/21/2023	18	/	7	/	18	/	574.23	18.67	/	6.64	/	18.19	/	583.61
GREENPOINT AG - HEADLAND	14-BM-23-FERT	07/05/2023	22	/	0	/	14	/	521.82	20.72	/	0	/	18.40	/	547.26
GREENPOINT AG - HEADLAND	15-BM-23-FERT	07/05/2023	22	/	0	/	14	/	521.82	22.28	/	0	/	15.13	/	538.64
GREENPOINT AG - HEADLAND	16-BM-23-FERT	07/05/2023	22	/	0	/	14	/	521.82	21.94	/	0	/	15.35	/	535.25
GREENPOINT AG - HEADLAND	17-BM-23-FERT	07/05/2023	34	/	0	/	4	/	617.74	34.74	/	0	/	4.33	/	633.78
GREENPOINT AG - HEADLAND	18-BM-23-FERT	07/05/2023	34	/	0	/	4	/	617.74	33.65	/	0	/	4.70	/	619.31
GREENPOINT AG-MONTGOMERY	2-KM-23-FERT	01/25/2023	0	/	0	/	60	/	642.00	0	/	0	/	58.83	/	629.48
GREENPOINT AG-MONTGOMERY	3-KM-23-FERT	01/25/2023	18.0	/	46.0	/	0	/	811.99	18.46	/	48.12	/	0	/	843.16
GREENPOINT AG-MONTGOMERY	9-KM-23-FERT	04/10/2023	34.0	/	0	/	0	/	574.94	34.17	/	0	/	0	/	577.81
GREENPOINT AG-MONTGOMERY	10-KM-23-FERT	04/10/2023	18.0	/	46.0	/	0	/	811.99	17.89	/	48.53	/	0	/	838.05
GREENPOINT AG-MONTGOMERY	14-KM-23-FERT	04/18/2023	21.0	/	13.0	/	16.0	/	669.77	20.09	/	11.33**	/	20.65	/	685.70
GREENPOINT AG-MONTGOMERY	20-KM-23-FERT	04/25/2023	9.0	/	23.0	/	30.0	/	727.00	9.51	/	24.14	/	27.72	/	723.79
GREENPOINT AG-MONTGOMERY	21-KM-23-FERT	04/25/2023	9.0	/	23.0	/	30.0	/	727.00	8.92	/	21.82	/	30.76	/	720.75
GREENPOINT AG-MONTGOMERY	22-KM-23-FERT	04/25/2023	9.0	/	23.0	/	30.0	/	727.00	8.68	/	23.04	/	29.56	/	717.32
GREENPOINT AG-MONTGOMERY	25-KM-23-FERT	05/05/2023	23.0	/	11.0	/	11.0	/	628.02	23.03	/	13.94	/	10.73	/	658.08
GREENPOINT AG-MONTGOMERY	26-KM-23-FERT	05/05/2023	27.0	/	9.0	/	12.0	/	684.29	28.25	/	8.01**	/	12.40	/	698.78
GREENPOINT AG-MONTGOMERY	27-KM-23-FERT	05/05/2023	27.0	/	9.0	/	12.0	/	684.29	28.41	/	8.39	/	11.67	/	697.86
GREENPOINT AG-MONTGOMERY	28-KM-23-FERT	05/05/2023	27.0	/	9.0	/	12.0	/	684.29	29.18	/	8.33	/	11.87	/	712.36
GREENPOINT AG-MONTGOMERY	35-KM-23-FERT	05/30/2023	46.0	/	0	/	0	/	777.86	45.54	/	0	/	0	/	770.08
GREENPOINT AG-MONTGOMERY	41-KM-23-FERT	06/23/2023	24.0	/	3.0	/	24.0	/	695.75	24.58	/	2.97	/	24.75	/	713.24
GREENPOINT AG-MONTGOMERY	42-KM-23-FERT	06/23/2023	30.0	/	0	/	13.0	/	646.40	32.59	/	0	/	12.22	/	681.85
GREENPOINT AG-MONTGOMERY	43-KM-23-FERT	06/23/2023	30.0	/	0	/	13.0	/	646.40	32.25	/	0	/	12.60	/	680.17

COMPANY NAME	SAMPLE NUMBER	DATE SAMPLED	LABEL GUARANTEE						ANALYSIS FOUND							
			N	/	P	/	K	/	CV	N	/	P	/	K	/	CV
GREENPOINT AG-MONTGOMERY	44-KM-23-FERT	06/23/2023	30.0	/	0	/	13.0	/	646.40	31.92	/	0	/	13.14	/	680.37
GREENPOINT AG-MONTGOMERY	46-KM-23-FERT	07/19/2023	21.0	/	0	/	0	/	355.11	21.34	/	0	/	0	/	360.86
GREENPOINT AG-MONTGOMERY	49-KM-23-FERT	09/27/2023	0	/	0	/	60	/	642.00	0	/	0	/	59.59	/	637.61
GREENPOINT AG-MONTGOMERY	50-KM-23-FERT	09/27/2023	18	/	46	/	0	/	811.99	17.55	/	46.59	/	0	/	810.89
GREENPOINT AG - SELMA	5-KM-23-FERT	03/21/2023	28.0	/	0	/	0	/	473.48	27.94	/	0	/	0	/	472.47
GREENPOINT AG - SELMA	6-KM-23-FERT	03/23/2023	28.0	/	0	/	0	/	473.48	28.01	/	0	/	0	/	473.65
GREENSBORO FARMERS CO-OP	24-CJ-23-FERT	04/04/2023	21	/	17	/	17	/	724.61	21.36	/	8.16**	/	25.37	/	722.71
HELENA CHEMICAL CO - ATMORE AL	12-JB-23-FERT	03/06/2023	19	/	11	/	11	/	560.38	21.95	/	13.96	/	13.52	/	669.88
HELENA CHEMICAL CO - ATMORE AL	13-JB-23-FERT	03/06/2023	19	/	11	/	11	/	560.38	20.89	/	14.74	/	13.81	/	663.68
HELENA CHEMICAL CO - ATMORE AL	14-JB-23-FERT	03/06/2023	19	/	11	/	11	/	560.38	19.35	/	13.84	/	16.29	/	654.23
HELENA CHEMICAL CO - ATMORE AL	15-JB-23-FERT	03/06/2023	19	/	11	/	11	/	560.38	21.07	/	13.58	/	13.35	/	648.99
HELENA CHEMICAL CO - ATMORE AL	16-JB-23-FERT	03/06/2023	19	/	11	/	11	/	560.38	22.24	/	13.92	/	12.53	/	663.76
HELENA CHEMICAL CO - ATMORE AL	17-JB-23-FERT	03/06/2023	19	/	11	/	11	/	560.38	21.51	/	13.58	/	15.31	/	677.41
HELENA CHEMICAL CO - ATMORE AL	18-JB-23-FERT	03/06/2023	19	/	11	/	11	/	560.38	21.58	/	14.40	/	13.82	/	671.69
HELENA CHEMICAL CO - ATMORE AL	19-JB-23-FERT	03/06/2023	19	/	11	/	11	/	560.38	21.48	/	14.24	/	13.83	/	668.35
HELENA CHEMICAL CO - ATMORE AL	20-JB-23-FERT	03/06/2023	19	/	11	/	11	/	560.38	22.86	/	12.63	/	12.66	/	661.39
HELENA CHEMICAL CO - ATMORE AL	21-JB-23-FERT	03/06/2023	19	/	11	/	11	/	560.38	21.20	/	12.91	/	12.94	/	639.41
HELENA CHEMICAL CO - ATMORE AL	22-JB-23-FERT	03/06/2023	19	/	11	/	11	/	560.38	21.47	/	12.62	/	13.68	/	648.70
HELENA CHEMICAL CO - ATMORE AL	23-JB-23-FERT	03/06/2023	19	/	11	/	11	/	560.38	21.66	/	14.02	/	14.77	/	679.02
HELENA CHEMICAL CO - ATMORE AL	58-JB-23-FERT	04/06/2023	15	/	38	/	0	/	672.98	15.18	/	39.13	/	0	/	688.49
HELENA CHEMICAL CO - ATMORE AL	59-JB-23-FERT	04/06/2023	0	/	0	/	47	/	502.90	0	/	0	/	44.74	/	478.72
HELENA CHEMICAL CO - ATMORE AL	63-JB-23-FERT	04/10/2023	28	/	0	/	0	/	473.48	28.41	/	0	/	0	/	480.41
HELENA CHEMICAL CO - ATMORE AL	77-JB-23-FERT	05/12/2023	40	/	0	/	0	/	676.40	38.59	/	0	/	0	/	652.56
HELENA CHEMICAL CO - ATMORE AL	78-JB-23-FERT	05/12/2023	40	/	0	/	0	/	676.40	40.43	/	0	/	0	/	683.67
HELENA CHEMICAL CO - ATMORE AL	79-JB-23-FERT	05/12/2023	40	/	0	/	0	/	676.40	40.31	/	0	/	0	/	681.64
HELENA CHEMICAL CO - ATMORE AL	87-JB-23-FERT	05/18/2023	NS	/	0	/	0	/	0	28.32	/	0	/	0	/	478.89
HELENA CHEMICAL CO - ATMORE AL	101-JB-23-FERT	07/05/2023	28	/	0	/	0	/	473.48	28.31	/	0	/	0	/	478.72
HELENA CHEMICAL CO - ATMORE AL	102-JB-23-FERT	07/05/2023	28	/	0	/	0	/	473.48	28.32	/	0	/	0	/	478.89
HELM FERTILIZER TERMINAL	13-JF-23-FERT	03/16/2023	46.0	/	0	/	0	/	777.86	46.03	/	0	/	0	/	778.37
HELM FERTILIZER TERMINAL	18-JF-23-FERT	03/16/2023	46.0	/	0	/	0	/	777.86	46.26	/	0	/	0	/	782.26
HELM FERTILIZER TERMINAL	3-CG-23-FERT	03/28/2023	21.0	/	0	/	0	/	355.11	21.28	/	0	/	0	/	359.84
HELM FERTILIZER TERMINAL	31-CJ-23-FERT	04/20/2023	46	/	0	/	0	/	777.86	46.17	/	0	/	0	/	780.73

COMPANY NAME	SAMPLE NUMBER	DATE SAMPLED	LABEL GUARANTEE							ANALYSIS FOUND						
			N	/	P	/	K	/	CV	N	/	P	/	K	/	CV
HELM FERTILIZER TERMINAL	38-JF-23-FERT	04/25/2023	12.0	/	40.0	/	0	/	644.32	11.69	/	41.18	/	0	/	652.10
HELM FERTILIZER TERMINAL	62-JF-23-FERT	05/30/2023	12.0	/	40.0	/	0	/	644.32	11.78	/	39.37	/	0	/	633.65
HELM FERTILIZER TERMINAL	63-JF-23-FERT	05/30/2023	12.0	/	40.0	/	0	/	644.32	11.91	/	38.87	/	0	/	630.33
HELM FERTILIZER TERMINAL	64-JF-23-FERT	05/30/2023	12.0	/	40.0	/	0	/	644.32	11.80	/	40.08	/	0	/	641.82
INTERNATIONAL CHEMICAL CO	28-BM-23-FERT	08/02/2023	20	/	0	/	0	/	338.20	20.58	/	0	/	0	/	348.01
J & J BAGGING	3-CJ-23-FERT	11/18/2022	13	/	13	/	13	/	502.39	10.66**	/	11.71	/	11.19**	/	429.21
J & J BAGGING	4-CJ-23-FERT	11/18/2022	17	/	17	/	17	/	656.97	17.52	/	17.19	/	16.56	/	663.14
J & J BAGGING	19-CJ-23-FERT	03/31/2023	17	/	17	/	17	/	656.97	14.28**	/	18.71	/	17.06	/	630.47
J & J BAGGING	20-CJ-23-FERT	03/31/2023	8	/	8	/	8	/	309.16	7.62	/	7.84	/	7.57	/	296.36
J & J BAGGING	21-CJ-23-FERT	03/31/2023	13	/	13	/	13	/	502.39	10.94**	/	9.57**	/	9.85**	/	395.99
J & J BAGGING	25-CJ-23-FERT	04/05/2023	13	/	13	/	13	/	502.39	10.69**	/	11.90	/	11.86	/	438.99
J & J BAGGING	35-CJ-23-FERT	05/25/2023	13	/	13	/	13	/	502.39	10.63**	/	11.63**	/	11.58**	/	432.00
J & J BAGGING	36-CJ-23-FERT	05/25/2023	17	/	17	/	17	/	656.97	16.21	/	13.55**	/	18.12	/	617.51
J & J BAGGING	37-CJ-23-FERT	05/25/2023	0	/	20	/	20	/	434.70	0	/	18.60	/	22.07	/	441.40
J & J BAGGING	42-CJ-23-FERT	07/05/2023	13	/	13	/	13	/	502.39	11.57**	/	11.93	/	12.19	/	457.73
J & J BAGGING	43-CJ-23-FERT	07/05/2023	8	/	8	/	8	/	309.16	6.57**	/	7.94	/	7.33	/	277.15
J & J BAGGING	44-CJ-23-FERT	07/05/2023	33	/	0	/	0	/	558.03	31.30**	/	0	/	0	/	529.28
J & J BAGGING	46-CJ-23-FERT	08/04/2023	10	/	10	/	10	/	386.45	9.96	/	10.17	/	11.33	/	401.88
KELLY AG OF HARTFORD	7-BM-23-FERT	06/06/2023	4	/	22	/	19	/	513.71	4.53	/	20.63	/	20.91	/	527.99
KELLY AG OF HARTFORD	6-BM-23-FERT	06/06/2023	4	/	22	/	19	/	513.71	5.34	/	22.17	/	20.02	/	549.16
KELLY AG OF HARTFORD	10-BM-23-FERT	06/21/2023	34	/	0	/	4	/	617.74	34.28	/	0	/	4.55	/	628.35
KELLY AG OF HARTFORD	11-BM-23-FERT	06/21/2023	34	/	0	/	4	/	617.74	35.64	/	0	/	3.91	/	644.51
KELLY AG OF HARTFORD	19-BM-23-FERT	07/05/2023	7	/	16	/	21	/	519.63	8.08	/	16.77	/	19.80	/	533.55
KELLY AG OF HARTFORD	24-BM-23-FERT	08/01/2023	34	/	0	/	0	/	574.94	34.14	/	0	/	0	/	577.31
KELLY AG OF HARTFORD	25-BM-23-FERT	08/02/2023	34	/	0	/	0	/	574.94	34.35	/	0	/	0	/	580.86
KELLY AG OF HEADLAND, LLC	2-BM-23-FERT	04/10/2023	19	/	12	/	19	/	657.01	17.78	/	13.07	/	21.28	/	672.59
KELLY AG OF HEADLAND, LLC	12-BM-23-FERT	06/21/2023	20	/	0	/	25	/	605.70	18.65	/	0	/	26.36	/	597.42
KELLY AG OF HEADLAND, LLC	13-BM-23-FERT	06/21/2023	20	/	0	/	25	/	605.70	20.83	/	0	/	24.98	/	619.53
KELLY AG OF HEADLAND, LLC	20-BM-23-FERT	07/05/2023	7	/	16	/	21	/	519.63	8.26	/	16.82	/	19.45	/	533.40
KELLY AG OF HEADLAND, LLC	26-BM-23-FERT	08/02/2023	23	/	1	/	16	/	571.17	22.33	/	1.30	/	15.65	/	559.40
KELLY AG OF HEADLAND, LLC	27-BM-23-FERT	08/02/2023	23	/	1	/	16	/	571.17	22.73	/	1.42	/	13.74**	/	547.05
KENTWOOD COOP	28-CJ-23-FERT	04/20/2023	17	/	17	/	17	/	656.97	16.97	/	20.10	/	15.84	/	678.25

COMPANY NAME	SAMPLE NUMBER	DATE SAMPLED	LABEL GUARANTEE				ANALYSIS FOUND									
			N	/	P	/	K	/	CV	N	/	P	/	K	/	CV
KENTWOOD COOP	29-CJ-23-FERT	04/20/2023	13	/	13	/	13	/	502.39	13.03	/	13.05	/	14.26	/	516.93
KENTWOOD COOP	30-CJ-23-FERT	04/20/2023	15	/	5	/	10	/	415.83	8.46**	/	3.97**	/	9.02	/	283.38
LIMESTONE COUNTY FARMERS CO-OP	7-JF-23-FERT	02/06/2023	41.0	/	0	/	0	/	693.31	40.66	/	0	/	0	/	687.56
LIMESTONE COUNTY FARMERS CO-OP	8-JF-23-FERT	02/06/2023	41.0	/	0	/	0	/	693.31	40.94	/	0	/	0	/	692.30
LIMESTONE COUNTY FARMERS CO-OP	54-JF-23-FERT	05/16/2023	41.0	/	0	/	0	/	693.31	40.93	/	0	/	0	/	692.13
LIMESTONE COUNTY FARMERS CO-OP	55-JF-23-FERT	05/16/2023	41.0	/	0	/	0	/	693.31	40.80	/	0	/	0	/	689.93
LIMESTONE COUNTY FARMERS CO-OP	56-JF-23-FERT	05/16/2023	10.0	/	26.0	/	26.0	/	734.21	15.10	/	28.74	/	13.33**	/	715.12
LIMESTONE COUNTY FARMERS CO-OP	57-JF-23-FERT	05/16/2023	41.0	/	0	/	0	/	693.31	40.20	/	0	/	0	/	679.78
LIMESTONE COUNTY FARMERS CO-OP	58-JF-23-FERT	05/16/2023	41.0	/	0	/	0	/	693.31	39.97	/	0	/	0	/	675.89
LIMESTONE COUNTY FARMERS CO-OP	59-JF-23-FERT	05/16/2023	40.0	/	0	/	0	/	676.40	39.73	/	0	/	0	/	671.83
LIMESTONE COUNTY FARMERS CO-OP	60-JF-23-FERT	05/16/2023	41.0	/	0	/	0	/	693.31	40.25	/	0	/	0	/	680.63
LIMESTONE COUNTY FARMERS CO-OP	61-JF-23-FERT	05/16/2023	41.0	/	0	/	0	/	693.31	41.79	/	0	/	0	/	706.67
MADISON CO CO-OP - TONEY	24-JF-23-FERT	04/18/2023	0	/	0	/	40.5	/	433.35	0	/	0	/	40.69	/	435.38
MADISON CO CO-OP - TONEY	25-JF-23-FERT	04/18/2023	0	/	0	/	40.5	/	433.35	0	/	0	/	40.33	/	431.53
MADISON CO CO-OP - TONEY	26-JF-23-FERT	04/18/2023	25.3	/	0	/	8.8	/	521.98	24.10	/	0	/	10.11	/	515.71
MADISON CO CO-OP - TONEY	27-JF-23-FERT	04/18/2023	25.3	/	0	/	8.8	/	521.98	24.98	/	0	/	10.82	/	538.18
MADISON CO CO-OP - TONEY	28-JF-23-FERT	04/18/2023	21.2	/	8.8	/	17.7	/	644.99	20.01	/	8.75	/	18.96	/	637.80
MADISON CO CO-OP - TONEY	29-JF-23-FERT	04/18/2023	21.2	/	8.8	/	17.7	/	644.99	19.47	/	9.14	/	19.15	/	635.00
MADISON CO CO-OP - TONEY	30-JF-23-FERT	04/18/2023	25.2	/	0	/	26.3	/	707.54	24.06	/	0	/	27.86	/	704.95
MADISON CO CO-OP - TONEY	31-JF-23-FERT	04/18/2023	25.2	/	0	/	26.3	/	707.54	26.23	/	0	/	26.95	/	731.91
MADISON CO CO-OP - TONEY	44-JF-23-FERT	05/10/2023	12.9	/	10.4	/	21.0	/	557.60	12.68	/	10.93	/	20.84	/	558.02
MADISON CO CO-OP - TONEY	45-JF-23-FERT	05/10/2023	12.9	/	10.4	/	21.0	/	557.60	12.63	/	10.58	/	21.18	/	556.95
MADISON CO CO-OP - TONEY	46-JF-23-FERT	05/10/2023	10.0	/	11.4	/	23.1	/	542.07	9.83	/	11.47	/	22.77	/	536.44
MADISON CO CO-OP - TONEY	47-JF-23-FERT	05/10/2023	10.0	/	11.4	/	23.1	/	542.07	9.60	/	12.70	/	22.45	/	542.69
MADISON CO CO-OP - TONEY	48-JF-23-FERT	05/10/2023	8.6	/	15.1	/	21.6	/	543.18	8.24	/	13.60	/	23.06	/	536.16
MADISON CO CO-OP - TONEY	49-JF-23-FERT	05/10/2023	8.6	/	15.1	/	21.6	/	543.18	8.61	/	16.80	/	21.09	/	556.65
MADISON CO CO-OP - TONEY	51-JF-23-FERT	05/10/2023	4.0	/	13.3	/	27.0	/	503.31	4.98	/	16.62	/	24.45	/	529.22
MADISON CO CO-OP - TONEY	52-JF-23-FERT	05/10/2023	4.0	/	13.3	/	27.0	/	503.31	3.55**	/	11.50**	/	29.22	/	499.58
MARION COUNTY CO-OP	16-KR-23-FERT	04/21/2023	21	/	14	/	14	/	659.40	20.11	/	14.69	/	15.37	/	666.62
MARSHALL COUNTY FARMERS CO OP - ARAB	20-CG-23-FERT	04/19/2023	11.0	/	13.0	/	30.0	/	650.47	11.43	/	15.20	/	29.70	/	678.80
MEHERRIN AG & CHEMICAL	83-JB-23-FERT	05/15/2023	0	/	0	/	60	/	642.00	0	/	0	/	58.97	/	630.98
MILLARD MARITIME LLC	24-JB-23-FERT	03/06/2023	21	/	0	/	0	/	355.11	21.37	/	0	/	0	/	361.37

COMPANY NAME	SAMPLE NUMBER	DATE SAMPLED	LABEL GUARANTEE				ANALYSIS FOUND									
			N	/	P	/	K	/	CV	N	/	P	/	K	/	CV
MILLARD MARITIME LLC	25-JB-23-FERT	03/06/2023	0	/	0	/	60	/	642.00	0	/	0	/	58.74	/	628.52
MILLARD MARITIME LLC	39-JB-23-FERT	03/20/2023	0	/	0	/	60	/	642.00	0	/	0	/	58.04	/	621.03
MILLARD MARITIME LLC	48-JB-23-FERT	03/23/2023	32	/	0	/	0	/	541.12	31.94	/	0	/	0	/	540.11
MILLARD MARITIME LLC	50-JB-23-FERT	03/31/2023	46	/	0	/	0	/	777.86	46.11	/	0	/	0	/	779.72
MILLARD MARITIME LLC	68-JB-23-FERT	04/14/2023	46	/	0	/	0	/	777.86	46.26	/	0	/	0	/	782.26
MILLARD MARITIME LLC	69-JB-23-FERT	04/14/2023	46	/	0	/	0	/	777.86	46.32	/	0	/	0	/	783.27
MILLARD MARITIME LLC	72-JB-23-FERT	04/28/2023	18	/	46	/	0	/	811.99	17.71	/	46.26	/	0	/	809.96
MILLARD MARITIME LLC	73-JB-23-FERT	04/28/2023	46	/	0	/	0	/	777.86	45.98	/	0	/	0	/	777.52
MILLARD MARITIME LLC	74-JB-23-FERT	05/05/2023	18	/	46	/	0	/	811.99	17.38	/	46.36	/	0	/	805.48
MILLARD MARITIME LLC	76-JB-23-FERT	05/04/2023	32	/	0	/	0	/	541.12	32.36	/	0	/	0	/	547.21
MILLARD MARITIME LLC	84-JB-23-FERT	05/16/2023	18	/	46	/	0	/	811.99	17.36	/	46.68	/	0	/	808.67
MILLARD MARITIME LLC	89-JB-23-FERT	06/07/2023	18	/	46	/	0	/	811.99	17.64	/	47.35	/	0	/	820.80
MILLARD MARITIME LLC	97-JB-23-FERT	06/29/2023	21	/	0	/	0	/	355.11	21.15	/	0	/	0	/	357.65
NUTRIEN AG SOLUTIONS INC - DOTHAN	1-BM-23-FERT	04/10/2023	18	/	10	/	20	/	628.73	18.42	/	9.88	/	19.52	/	629.37
NUTRIEN AG SOLUTIONS INC - DOTHAN	5-BM-23-FERT	06/06/2023	40	/	0	/	0	/	676.40	39.85	/	0	/	0	/	673.86
NUTRIEN AG SOLUTIONS INC - DOTHAN	8-BM-23-FERT	06/21/2023	5	/	15	/	30	/	571.08	4.87	/	14.53	/	31.17	/	576.21
NUTRIEN AG SOLUTIONS INC - MADISON	12-JF-23-FERT	03/16/2023	19.866	/	18.998	/	19.005	/	748.92	19.66	/	21.00	/	17.66	/	753.15
NUTRIEN AG SOLUTIONS INC - MADISON	14-JF-23-FERT	03/16/2023	22.7	/	9.9	/	19.8	/	704.97	21.50	/	11.83	/	20.93	/	718.06
NUTRIEN AG SOLUTIONS INC - MADISON	15-JF-23-FERT	03/16/2023	22.7	/	9.9	/	19.8	/	704.97	22.16	/	10.63	/	21.21	/	718.98
NUTRIEN AG SOLUTIONS INC - MADISON	16-JF-23-FERT	03/16/2023	22.7	/	9.9	/	19.8	/	704.97	22.21	/	9.87	/	20.72	/	706.19
NUTRIEN AG SOLUTIONS INC - MADISON	17-JF-23-FERT	03/16/2023	22.7	/	9.9	/	19.8	/	704.97	22.94	/	10.35	/	20.01	/	716.24
NUTRIEN AG SOLUTIONS INC - MADISON	34-JF-23-FERT	04/25/2023	22.3	/	11.9	/	17.8	/	698.87	21.56	/	11.82	/	18.93	/	697.56
NUTRIEN AG SOLUTIONS INC - MADISON	35-JF-23-FERT	04/25/2023	22.3	/	11.9	/	17.8	/	698.87	20.72	/	11.00	/	19.97	/	685.45
NUTRIEN AG SOLUTIONS INC - MADISON	36-JF-23-FERT	04/25/2023	22.3	/	11.9	/	17.8	/	698.87	20.88	/	11.31	/	20.67	/	699.06
NUTRIEN AG SOLUTIONS INC - MADISON	37-JF-23-FERT	04/25/2023	22.3	/	11.9	/	17.8	/	698.87	20.41	/	11.50	/	19.46	/	680.25
NUTRIEN AG SOLUTIONS INC - MADISON	65-JF-23-FERT	05/30/2023	27.3	/	7.3	/	12.9	/	680.23	26.99	/	8.52	/	13.67	/	696.69
NUTRIEN AG SOLUTIONS INC - MADISON	66-JF-23-FERT	05/30/2023	27.3	/	7.3	/	12.9	/	680.23	26.00	/	7.42	/	15.26	/	684.82
NUTRIEN AG SOLUTIONS INC - SUMMERDALE	36-JB-23-FERT	03/16/2023	38	/	0	/	0	/	642.58	38.82	/	0	/	0	/	656.45
NUTRIEN AG SOLUTIONS INC - SUMMERDALE	37-JB-23-FERT	03/16/2023	15	/	0	/	18	/	446.25	15.33	/	0	/	19.38	/	466.60
NUTRIEN AG SOLUTIONS INC - SUMMERDALE	38-JB-23-FERT	03/16/2023	38	/	0	/	0	/	642.58	38.71	/	0	/	0	/	654.59
NUTRIEN AG SOLUTIONS INC - SUMMERDALE	71-JB-23-FERT	05/03/2023	9	/	23	/	30	/	727.00	9.46	/	23.23	/	28.73	/	723.72
NUTRIEN AG SOLUTIONS INC - SUMMERDALE	90-JB-23-FERT	06/12/2023	17	/	17	/	17	/	656.97	16.97	/	16.13	/	15.85	/	634.54

COMPANY NAME	SAMPLE NUMBER	DATE SAMPLED	LABEL GUARANTEE				ANALYSIS FOUND									
			N	/	P	/	K	/	CV	N	/	P	/	K	/	CV
PIEDMONT FERTILIZER CO INC	1-KM-23-FERT	10/24/2022	30.0	/	0	/	0	/	507.30	31.30	/	0	/	0	/	529.28
PIEDMONT FERTILIZER CO INC	11-KM-23-FERT	04/10/2023	24.0	/	0	/	24.0	/	662.64	25.84	/	0	/	23.02	/	683.26
PIEDMONT FERTILIZER CO INC	45-KM-23-FERT	07/06/2023	20.0	/	0	/	20.0	/	552.20	19.81	/	0	/	18.22	/	529.94
POTASH CORP OF SASKATCHEWAN CAN	111-JB-23-FERT	08/10/2023	0	/	0	/	60	/	642.00	0	/	0	/	57.36	/	613.75
Rainbow Fertilizer LLC	11-JB-23-FERT	03/01/2023	5	/	15	/	30	/	571.08	5.13	/	12.37**	/	30.11	/	545.43
Rainbow Fertilizer LLC	26-JB-23-FERT	03/07/2023	5	/	15	/	30	/	571.08	5.03	/	11.87**	/	29.83	/	535.23
Rainbow Fertilizer LLC	34-CJ-23-FERT	05/16/2023	14	/	4	/	14	/	430.68	13.25	/	5.20	/	14.80	/	439.80
SCRUGGS FARM SUPPLY (TUPELO)	7-KR-23-FERT	03/16/2023	31	/	0	/	20	/	738.21	29.20	/	0	/	18.76	/	694.50
SCRUGGS FARM SUPPLY (TUPELO)	8-KR-23-FERT	03/16/2023	31	/	0	/	20	/	738.21	30.41	/	0	/	17.46**	/	701.05
SCRUGGS FARM SUPPLY (TUPELO)	9-KR-23-FERT	03/16/2023	31	/	0	/	20	/	738.21	29.37	/	0	/	22.09	/	733.01
SCRUGGS FARM SUPPLY (TUPELO)	10-KR-23-FERT	03/16/2023	31	/	0	/	20	/	738.21	29.07	/	0	/	22.87	/	736.28
SIMPLOT	19-JF-23-FERT	03/29/2023	15.98	/	19.18	/	22.38	/	721.34	14.81	/	20.58	/	22.66	/	720.00
SIMPLOT	20-JF-23-FERT	03/29/2023	15.98	/	19.18	/	22.38	/	721.34	14.97	/	19.53	/	22.61	/	710.58
SIMPLOT	42-JF-23-FERT	05/08/2023	42.45	/	0	/	1.7	/	736.02	41.58	/	0	/	2.13	/	725.91
SIMPLOT	43-JF-23-FERT	05/08/2023	42.45	/	0	/	1.7	/	736.02	40.80	/	0	/	3.04	/	722.46
TALLADEGA COUNTY EXCHANGE	16-KM-23-FERT	04/18/2023	6.0	/	20.0	/	30.0	/	643.16	4.60**	/	15.64**	/	36.62	/	642.21
TALLADEGA COUNTY EXCHANGE	17-KM-23-FERT	04/18/2023	6.0	/	20.0	/	30.0	/	643.16	6.01	/	21.09	/	29.17	/	646.48
TALLADEGA COUNTY EXCHANGE	18-KM-23-FERT	04/18/2023	6.0	/	20.0	/	30.0	/	643.16	5.35**	/	18.46	/	32.51	/	642.04
TALLADEGA COUNTY EXCHANGE	19-KM-23-FERT	04/18/2023	6.0	/	20.0	/	30.0	/	643.16	6.77	/	22.79	/	27.21	/	657.12
TALLADEGA COUNTY EXCHANGE	29-KM-23-FERT	05/08/2023	9.0	/	27.0	/	18.0	/	642.74	9.69	/	27.20	/	17.47	/	650.94
TALLADEGA COUNTY EXCHANGE	30-KM-23-FERT	05/08/2023	9.0	/	27.0	/	18.0	/	642.74	9.04	/	27.27	/	18.52	/	651.95
TALLADEGA COUNTY EXCHANGE	31-KM-23-FERT	05/08/2023	9.0	/	27.0	/	18.0	/	642.74	9.25	/	28.87	/	16.79	/	654.65
TALLADEGA COUNTY EXCHANGE	32-KM-23-FERT	05/08/2023	23.0	/	11.0	/	16.0	/	681.52	22.20	/	10.55	/	19.06	/	695.76
TELECON FARMERS COOP	23-KM-23-FERT	04/26/2023	17.0	/	17.0	/	17.0	/	656.97	16.25	/	17.17	/	18.20	/	659.00
TELECON FARMERS COOP	36-KM-23-FERT	06/08/2023	21.0	/	0	/	21.0	/	579.81	20.24	/	0	/	20.91	/	566.00
TENNESSEE VALLEY COOPERATIVE-MOULTON	2-KR-23-FERT	12/22/2022	NS	/	NS	/	NS	/	0	10.40	/	None	/	None	/	175.86
TENNESSEE VALLEY COOPERATIVE-MOULTON	67-JF-23-FERT	07/26/2023	NS	/	0	/	0	/	0	24.74	/	0	/	0	/	418.35
TENNESSE FARMERS COOP	53-JF-23-FERT	05/10/2023	0	/	0	/	60.0	/	642.00	0	/	0	/	59.79	/	639.75
WOODS FARM SUPPLY INC	22-CJ-23-FERT	04/04/2023	17	/	17	/	17	/	656.97	17.11	/	17.03	/	16.35	/	652.20
WOODS FARM SUPPLY INC	23-CJ-23-FERT	04/04/2023	8	/	8	/	8	/	309.16	8.49	/	9.08	/	8.74	/	337.29
WOODS FARM SUPPLY INC	32-CJ-23-FERT	04/26/2023	17	/	17	/	17	/	656.97	15.11**	/	16.83	/	17.45	/	627.94
WOODS FARM SUPPLY INC	40-CJ-23-FERT	06/28/2023	15	/	0	/	15	/	414.15	13.59	/	0	/	19.31	/	436.43

COMPANY NAME	SAMPLE NUMBER	DATE SAMPLED	LABEL GUARANTEE				ANALYSIS FOUND			
			N	P	K	CV	N	P	K	CV
WOODS FARM SUPPLY INC	41-CJ-23-FERT	06/28/2023	13	13	13	502.39	12.40	13.29	12.40	489.02