

ALABAMA DEPARTMENT OF AGRICULTURE & INDUSTRIES

RICK PATE
Commissioner



FERTILIZER AND FERTILIZER MATERIAL

Fiscal Year 2020 – 2021

Department Bulletin No. 147



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 2020 - 2021, 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,

Scott Absher, Program Manager
Agricultural Compliance Inspection Section

STATE OF ALABAMA
BOARD OF AGRICULTURE AND INDUSTRIES
2020 ~ 2021

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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

Scott Absher-----Montgomery
Agricultural Compliance Inspection Section, *Program Manager*

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

Susan Teel -----Montgomery
Agricultural Compliance Inspection Section, *Administration Assistant*,
Seed Permitting and Clerk for Feed, Fertilizer, and Lime.

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
 Jackson Calhoun Cleburne Etowah

Carl Jackson ----- Camden
Coordinator for BSE program, Consumer Protection Specialist

Territory: Pickens Sumter Greene Hale
 Marengo Choctaw Washington Clarke
 Wilcox Tuscaloosa Bibb Perry
 Dallas Lowndes Butler

Bill McMillan ----- Dothan
Consumer Protection Specialist

Territory: Houston Henry Geneva

Kenny Mehearg ----- Wetumpka
Consumer Protection Specialist

Territory: Clay Coosa Elmore Autauga
Tallapoosa Chambers Lee Randolph
Chilton Shelby Chilton

Blake Pickett ----- Fitzpatrick
Consumer Protection Specialist

Territory: Macon Russell Crenshaw Coffee
Dale Pike Barbour Bullock
Montgomery

Kevin Rye ----- Hamilton
Consumer Protection Specialist

Territory: Fayette Marion Walker Lauderdale
Lamar Winston Colbert Franklin
Lawrence

FOREWORD

During the 2019 - 2020, 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

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 2017-2018 year to be as follows:

- Nitrogen (N):
Beginning the year at \$9.53, and ending the year with \$10.60 per percent unit per ton
- Available Phosphorus (P₂O₅):
Beginning the year at \$8.40, and ending the year with \$13.78 per percent unit per ton
- Soluble Potassium (K₂O):
Beginning the year at \$6.21, and ending the year with \$6.90 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 \$10.60. The value of available phosphorus per ton is determined by multiplying the percent of the constituent by \$13.78. The value of available soluble potassium is determined by multiplying the percent of soluble potassium by \$6.90 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 \$ 10.60	= \$ 42.40
Available Phosphorus (P ₂ O ₅) -----	12.00 x \$ 13.78	= \$165.36
Soluble Potassium (K ₂ O) -----	12.00 x \$ 6.90	= \$ 82.80

TOTAL COMMERCIAL VALUE \$290.56

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
AG DISTRIBUTORS - ADI FERTILIZER	36-CJ-21-FERT	05/26/2021	13	/	13	/	13	/	406.64	13.15	/	14.38	/	10.66**	/	411.10
AG DISTRIBUTORS - ADI FERTILIZER	37-CJ-21-FERT	05/26/2021	8	/	8	/	8	/	250.24	7.70	/	8.48	/	6.68**	/	244.56
AG DISTRIBUTORS - ADI FERTILIZER	44-CJ-21-FERT	07/21/2021	34	/	0	/	0	/	360.40	33.00	/	0	/	0	/	349.80
AG DISTRIBUTORS - ADI FERTILIZER	45-CJ-21-FERT	08/05/2021	0	/	20	/	20	/	413.60	0	/	21.42	/	21.67	/	444.69
AG DISTRIBUTORS - ADI FERTILIZER	46-CJ-21-FERT	08/05/2021	13	/	13	/	13	/	406.64	12.63	/	15.39	/	11.27**	/	423.71
AGRI-AFC	56-CG-21-FERT	05/19/2021	34.0	/	0	/	0	/	360.40	34.21	/	0	/	0	/	362.63
AGRILIANE- AFC - DECATUR	5-CG-21-FERT	04/05/2021	34.0	/	0	/	0	/	360.40	34.36	/	0	/	0	/	364.22
AGRILIANE- AFC - DECATUR	9-CG-21-FERT	04/05/2021	34.0	/	0	/	0	/	360.40	34.58	/	0	/	0	/	366.55
AGRILIANE- AFC - DECATUR	12-CG-21-FERT	04/06/2021	0	/	0	/	60.0	/	414.00	0	/	0	/	56.85**	/	392.27
AGRILIANE- AFC - DECATUR	15-CG-21-FERT	04/06/2021	34.0	/	0	/	0	/	360.40	34.56	/	0	/	0	/	366.34
AGRILIANE- AFC - DECATUR	19-CG-21-FERT	04/12/2021	0	/	0	/	60.0	/	414.00	0	/	0	/	60.79	/	419.45
AGRILIANE- AFC - DECATUR	22-CG-21-FERT	04/12/2021	34.0	/	0	/	0	/	360.40	34.63	/	0	/	0	/	367.08
AGRILIANE- AFC - DECATUR	24-CG-21-FERT	04/13/2021	46.0	/	0	/	0	/	487.60	46.24	/	0	/	0	/	490.14
AGRILIANE- AFC - DECATUR	26-CG-21-FERT	04/28/2021	46.0	/	0	/	0	/	487.60	46.34	/	0	/	0	/	491.20
AGRILIANE- AFC - DECATUR	15-JF-21-FERT	05/17/2021	18.0	/	46.0	/	0	/	824.68	18.35	/	48.17	/	0	/	858.29
AGRILIANE- AFC - DECATUR	47-KM-21-FERT	05/24/2021	18.0	/	46.0	/	0	/	824.68	18.43	/	46.83	/	0	/	840.68
AGRILIANE- AFC - DECATUR	51-KM-21-FERT	06/21/2021	46.0	/	0	/	0	/	487.60	46.10	/	0	/	0	/	488.66
AGRILIANE- AFC - DOTHAN	31-BP-21-FERT	07/02/2021	18	/	46	/	0	/	824.68	17.74	/	46.22	/	0	/	824.95
AGRILIANE- AFC - DOTHAN	32-BP-21-FERT	08/19/2021	21	/	0	/	0	/	222.60	21.21	/	0	/	0	/	224.83
AGRILIANE- AFC - EVERGREEN	86-JB-21-FERT	05/14/2021	21	/	0	/	0	/	222.60	21.30	/	0	/	0	/	225.78
AGRILIANE- AFC - EVERGREEN	38-CJ-21-FERT	05/27/2021	17	/	17	/	17	/	531.76	17.15	/	20.87	/	16.04	/	580.06
AGRILIANE- AFC - EVERGREEN	39-CJ-21-FERT	05/27/2021	13	/	13	/	13	/	406.64	13.40	/	16.79	/	13.41	/	465.94
AGRILIANE- AFC - EVERGREEN	104-JB-21-FERT	06/04/2021	0	/	0	/	60	/	414.00	0	/	0	/	58.25	/	401.93
AGRILIANE- AFC - EVERGREEN	113-JB-21-FERT	06/14/2021	46	/	0	/	0	/	487.60	46.14	/	0	/	0	/	489.08
AGRILIANE- AFC - EVERGREEN	41-CJ-21-FERT	06/28/2021	13	/	13	/	13	/	406.64	11.76	/	13.08	/	17.78	/	427.58
AGRILIANE- AFC - EVERGREEN	135-JB-21-FERT	07/02/2021	16	/	4	/	8	/	279.92	14.11**	/	3.82	/	6.39**	/	246.30
AGRILIANE- AFC - EVERGREEN	136-JB-21-FERT	07/02/2021	33	/	0	/	6	/	391.20	32.42	/	0	/	6.34	/	387.40
AGRILIANE- AFC - EVERGREEN	143-JB-21-FERT	08/17/2021	21	/	0	/	0	/	222.60	21.18	/	0	/	0	/	224.51
AGRILIANE- AFC - EVERGREEN	49-CJ-21-FERT	09/21/2021	17	/	17	/	17	/	531.76	16.33	/	19.06	/	15.84	/	545.05
AGRILIANE- AFC - EVERGREEN	144-JB-21-FERT	09/14/2021	8	/	8	/	8	/	250.24	8.35	/	8.31	/	7.44	/	254.36
AGRILIANE- AFC - EVERGREEN	145-JB-21-FERT	09/15/2021	16	/	16	/	16	/	500.48	16.08	/	16.84	/	13.60**	/	496.35

COMPANY NAME	SAMPLE NUMBER	DATE SAMPLED	LABEL GUARANTEE				ANALYSIS FOUND									
			N	/	P	/	K	/	CV	N	/	P	/	K	/	CV
AGRILIANCE- AFC - GRAND BAY	98-JB-21-FERT	06/03/2021	6	/	17	/	37	/	553.16	6.57	/	18.93	/	38.71	/	597.60
AGRILIANCE- AFC - GRAND BAY	99-JB-21-FERT	06/03/2021	6	/	17	/	37	/	553.16	7.58	/	18.76	/	33.02**	/	566.70
AGRILIANCE- AFC - GRAND BAY	100-JB-21-FERT	06/03/2021	6	/	17	/	37	/	553.16	6.14	/	16.70	/	37.19	/	551.82
AGRILIANCE- AFC - GRAND BAY	101-JB-21-FERT	06/03/2021	9	/	23	/	30	/	619.34	9.40	/	24.39	/	26.97**	/	621.82
AGRILIANCE- AFC - GRAND BAY	102-JB-21-FERT	06/03/2021	9	/	23	/	30	/	619.34	8.48	/	23.04	/	30.69	/	619.14
AGRILIANCE- AFC - GRAND BAY	103-JB-21-FERT	06/03/2021	40	/	0	/	0	/	424.00	40.50	/	0	/	0	/	429.30
AGRILIANCE- AFC - GRAND BAY	117-JB-21-FERT	06/16/2021	23	/	0	/	23	/	402.50	23.13	/	0	/	22.79	/	402.43
AGRILIANCE- AFC - GRAND BAY	118-JB-21-FERT	06/16/2021	14	/	17	/	22	/	534.46	14.52	/	18.62	/	21.05	/	555.74
AGRILIANCE- AFC - GRAND BAY	119-JB-21-FERT	06/16/2021	40	/	0	/	0	/	424.00	39.57	/	0	/	0	/	419.44
AGRILIANCE- AFC - GRAND BAY	134-JB-21-FERT	07/07/2021	26	/	0	/	0	/	275.60	26.23	/	0	/	0	/	278.04
AGRILIANCE- AFC - HEADLAND	30-BM-21-FERT	06/09/2021	20	/	0	/	8	/	267.20	20.87	/	0	/	8.38	/	279.04
AGRILIANCE- AFC - HEADLAND	55-BM-21-FERT	07/13/2021	30	/	0	/	0	/	318.00	31.14	/	0	/	0	/	330.08
AGRILIANCE- AFC - HEADLAND	56-BM-21-FERT	07/13/2021	20	/	0	/	20	/	350.00	21.76	/	0	/	18.10	/	355.55
AGRILIANCE- AFC - HEADLAND	65-BM-21-FERT	07/23/2021	19	/	4	/	19	/	387.62	19.46	/	4.96	/	18.96	/	405.45
AGRILIANCE- AFC - HEADLAND	68-BM-21-FERT	08/02/2021	20	/	0	/	20	/	350.00	20.60	/	0	/	19.44	/	352.50
AGRILIANCE- AFC - HEADLAND	69-BM-21-FERT	08/02/2021	20	/	0	/	20	/	350.00	20.88	/	0	/	19.50	/	355.88
AGRILIANCE- AFC - HEADLAND	70-BM-21-FERT	08/02/2021	20	/	0	/	20	/	350.00	20.16	/	0	/	20.39	/	354.39
AGRILIANCE- AFC - HEADLAND	74-BM-21-FERT	08/13/2021	30	/	0	/	0	/	318.00	30.85	/	0	/	0	/	327.01
AGRILIANCE- AFC - LOXLEY	38-JB-21-FERT	04/22/2021	28	/	0	/	0	/	296.80	27.69	/	0	/	0	/	293.51
AGRILIANCE- AFC - LOXLEY	40-JB-21-FERT	04/22/2021	15	/	4	/	14	/	310.72	16.28	/	3.37**	/	13.86	/	314.64
AGRILIANCE- AFC - LOXLEY	92-JB-21-FERT	05/24/2021	15	/	4	/	14	/	310.72	16.29	/	3.34**	/	13.78	/	313.78
AGRILIANCE- AFC - LOXLEY	94-JB-21-FERT	05/27/2021	9	/	23	/	30	/	619.34	8.36	/	22.24	/	29.80	/	600.71
AGRILIANCE- AFC - MONTGOMERY	6-KM-21-FERT	02/24/2021	34	/	0	/	0	/	360.40	34.60	/	0	/	0	/	366.76
AGRILIANCE- AFC - MONTGOMERY	7-KM-21-FERT	03/01/2021	34.0	/	0	/	0	/	360.40	34.52	/	0	/	0	/	365.91
AGRILIANCE- AFC - MONTGOMERY	39-JB-21-FERT	04/22/2021	32	/	0	/	0	/	339.20	32.64	/	0	/	0	/	345.98
AGRILIANCE- AFC - MONTGOMERY	36-KM-21-FERT	05/10/2021	18.0	/	46.0	/	0	/	824.68	17.88	/	47.20	/	0	/	839.95
AGRILIANCE- AFC - MONTGOMERY	41-KM-21-FERT	05/21/2021	34.0	/	0	/	0	/	360.40	34.19	/	0	/	0	/	362.41
AGRILIANCE- AFC - MONTGOMERY	49-KM-21-FERT	06/08/2021	0	/	0	/	60.0	/	414.00	0	/	0	/	58.50	/	403.65
AGRILIANCE- AFC - MONTGOMERY	52-KM-21-FERT	07/15/2021	34.0	/	0	/	0	/	360.40	34.03	/	0	/	0	/	360.72
AGRILIANCE- AFC - MONTGOMERY	53-KM-21-FERT	07/15/2021	21.0	/	0	/	0	/	222.60	21.51	/	0	/	0	/	228.01
AGRILIANCE- AFC - MONTGOMERY	57-KM-21-FERT	08/16/2021	21.0	/	0	/	0	/	222.60	21.16	/	0	/	0	/	224.30
AGRILIANCE- AFC - MONTGOMERY	58-KM-21-FERT	09/16/2021	0	/	0	/	60.0	/	414.00	0	/	0	/	58.62	/	404.48

COMPANY NAME	SAMPLE NUMBER	DATE SAMPLED	LABEL GUARANTEE				ANALYSIS FOUND									
			N	/	P	/	K	/	CV	N	/	P	/	K	/	CV
AGRILIANCE- AFC SELMA	40-CJ-21-FERT	05/28/2021	28	/	0	/	0	/	296.80	30.38	/	0	/	0	/	322.03
AGRIUM US Inc - AMERICUS GA	37-JB-21-FERT	04/21/2021	5	/	15	/	30	/	466.70	5.42	/	17.49	/	32.44	/	522.30
AGRIUM US Inc- DENVER	67-BM-21-FERT	08/02/2021	44	/	0	/	0	/	466.40	44.48	/	0	/	0	/	471.49
ALABAMA FARMER COOP	56-KM-21-FERT	08/16/2021	34.0	/	0	/	0	/	360.40	34.25	/	0	/	0	/	363.05
ALBERTVILLE (MARSHALL) FARMERS CO-OP	20-CG-21-FERT	04/12/2021	24.0	/	0	/	14.0	/	351.00	22.49	/	0	/	15.78	/	347.27
ALBERTVILLE (MARSHALL) FARMERS CO-OP	21-CG-21-FERT	04/12/2021	22.0	/	0	/	21.0	/	378.10	23.89	/	0	/	19.88	/	390.40
ALBERTVILLE (MARSHALL) FARMERS CO-OP	23-CG-21-FERT	04/12/2021	10.0	/	19.0	/	25.0	/	540.32	12.15	/	19.62	/	23.69	/	562.61
ANDALUSIA FARMERS CO-OP	47-JB-21-FERT	04/23/2021	12	/	15	/	22	/	485.70	13.91	/	15.00	/	22.51	/	509.47
ANDALUSIA FARMERS CO-OP	48-JB-21-FERT	04/23/2021	20	/	6	/	13	/	384.38	20.00	/	6.02	/	14.72	/	396.53
ANDALUSIA FARMERS CO-OP	49-JB-21-FERT	04/23/2021	6	/	10	/	28	/	394.60	6.57	/	9.94	/	28.33	/	402.09
ANDALUSIA FARMERS CO-OP	50-JB-21-FERT	04/23/2021	17	/	11	/	19	/	462.88	17.59	/	11.99	/	18.76	/	481.11
ANDALUSIA FARMERS CO-OP	51-JB-21-FERT	04/23/2021	17	/	11	/	19	/	462.88	17.27	/	10.30	/	20.38	/	465.61
ANDALUSIA FARMERS CO-OP	52-JB-21-FERT	04/23/2021	17	/	11	/	19	/	462.88	17.44	/	13.01	/	19.84	/	501.04
ANDALUSIA FARMERS CO-OP	53-JB-21-FERT	04/23/2021	17	/	11	/	19	/	462.88	16.67	/	11.79	/	20.63	/	481.52
ANDALUSIA FARMERS CO-OP	54-JB-21-FERT	04/23/2021	23	/	5	/	10	/	381.70	24.04	/	5.71	/	10.29	/	404.50
ANDALUSIA FARMERS CO-OP	55-JB-21-FERT	04/23/2021	23	/	5	/	10	/	381.70	24.61	/	5.32	/	11.40	/	412.84
ANDALUSIA FARMERS CO-OP	56-JB-21-FERT	04/23/2021	23	/	5	/	10	/	381.70	23.39	/	5.56	/	11.30	/	402.52
ANDALUSIA FARMERS CO-OP	57-JB-21-FERT	04/23/2021	23	/	5	/	10	/	381.70	23.71	/	5.99	/	11.90	/	415.98
ANDALUSIA FARMERS CO-OP	60-JB-21-FERT	04/28/2021	6	/	11	/	30	/	422.18	6.53	/	12.46	/	31.51	/	458.34
ANDALUSIA FARMERS CO-OP	61-JB-21-FERT	04/28/2021	6	/	11	/	30	/	422.18	6.31	/	12.85	/	32.15	/	465.80
ANDALUSIA FARMERS CO-OP	62-JB-21-FERT	04/28/2021	6	/	11	/	30	/	422.18	6.03	/	12.83	/	32.89	/	467.66
ANDALUSIA FARMERS CO-OP	63-JB-21-FERT	04/28/2021	6	/	11	/	30	/	422.18	6.19	/	11.66	/	33.55	/	457.78
ANDALUSIA FARMERS CO-OP	147-JB-21-FERT	09/14/2021	32	/	0	/	0	/	339.20	32.32	/	0	/	0	/	342.59
ANDALUSIA FARMERS CO-OP	148-JB-21-FERT	09/14/2021	30	/	0	/	0	/	318.00	30.70	/	0	/	0	/	325.42
ATMORE AGRONOMY	58-JB-21-FERT	04/27/2021	9	/	23	/	30	/	619.34	8.89	/	24.46	/	29.03	/	631.60
ATMORE AGRONOMY	76-JB-21-FERT	05/03/2021	36	/	0	/	6	/	423.00	35.82	/	0	/	7.18	/	429.23
ATMORE AGRONOMY	77-JB-21-FERT	05/03/2021	36	/	0	/	6	/	423.00	36.37	/	0	/	7.52	/	437.41
ATMORE AGRONOMY	89-JB-21-FERT	05/19/2021	31	/	0	/	10	/	397.60	31.44	/	0	/	10.74	/	407.37
ATMORE AGRONOMY	90-JB-21-FERT	05/19/2021	31	/	0	/	10	/	397.60	31.09	/	0	/	9.38	/	394.27
ATMORE AGRONOMY	126-JB-21-FERT	06/28/2021	46	/	0	/	0	/	487.60	45.83	/	0	/	0	/	485.80
ATMORE TRUCKERS	97-JB-21-FERT	06/02/2021	28	/	28	/	0	/	682.64	27.91	/	29.54	/	0	/	702.91
CALHOUN FARMERS CO-OP (PIEDMONT AL)	25-CG-21-FERT	04/22/2021	32.0	/	0	/	0	/	339.20	33.41	/	0	/	0	/	354.15

COMPANY NAME	SAMPLE NUMBER	DATE SAMPLED	LABEL GUARANTEE				ANALYSIS FOUND									
			N	/	P	/	K	/	CV	N	/	P	/	K	/	CV
C F INDUSTRIES	28-BM-21-FERT	06/09/2021	46	/	0	/	0	/	487.60	46.12	/	0	/	0	/	488.87
C F INDUSTRIES	62-BM-21-FERT	07/13/2021	46	/	0	/	0	/	487.60	46.05	/	0	/	0	/	488.13
CHEROKEE FARMERS CO-OP	47-CG-21-FERT	05/19/2021	4.0	/	12.0	/	35.0	/	449.26	4.22	/	12.64	/	36.22	/	468.83
CHEROKEE FARMERS CO-OP	48-CG-21-FERT	05/19/2021	32.0	/	0	/	0	/	339.20	31.40	/	0	/	0	/	332.84
CHEROKEE FARMERS CO-OP	49-CG-21-FERT	05/19/2021	32.0	/	0	/	0	/	339.20	32.13	/	0	/	0	/	340.58
CHEROKEE FARMERS CO-OP	50-CG-21-FERT	05/19/2021	32.0	/	0	/	0	/	339.20	31.95	/	0	/	0	/	338.67
CHEROKEE FARMERS CO-OP	51-CG-21-FERT	05/19/2021	32.0	/	0	/	0	/	339.20	32.23	/	0	/	0	/	341.64
CHEROKEE FARMERS CO-OP	52-CG-21-FERT	05/19/2021	32.0	/	0	/	0	/	339.20	31.62	/	0	/	0	/	335.17
CHEROKEE FARMERS CO-OP	53-CG-21-FERT	05/19/2021	32	/	0	/	0	/	339.20	32.09	/	0	/	0	/	340.15
CHEROKEE FARMERS CO-OP	54-CG-21-FERT	05/20/2021	32.0	/	0	/	0	/	339.20	32.21	/	0	/	0	/	341.43
CHEROKEE FARMERS CO-OP	55-CG-21-FERT	05/19/2021	32.0	/	0	/	0	/	339.20	32.36	/	0	/	0	/	343.02
CHEROKEE FARMERS CO-OP	57-CG-21-FERT	05/19/2021	4.0	/	12.0	/	35.0	/	449.26	4.85	/	12.62	/	31.83	/	444.94
CHEROKEE FARMERS CO-OP	58-CG-21-FERT	05/19/2021	4.0	/	12.0	/	35.0	/	449.26	4.78	/	12.08	/	32.30	/	440.00
CHEROKEE FARMERS CO-OP	59-CG-21-FERT	05/19/2021	4.0	/	12.0	/	35.0	/	449.26	4.68	/	11.73	/	32.96	/	438.67
CHEROKEE FARMERS CO-OP	60-CG-21-FERT	05/19/2021	4.0	/	12.0	/	35.0	/	449.26	4.58	/	11.85	/	32.39	/	435.33
COFFEE COUNTY FARMERS COOP	21-BP-21-FERT	06/04/2021	37	/	0	/	0	/	392.20	35.49	/	0	/	0	/	376.19
COFFEE COUNTY FARMERS COOP	22-BP-21-FERT	06/04/2021	38	/	0	/	9	/	464.90	38.83	/	0	/	8.56	/	470.66
COFFEE COUNTY FARMERS COOP	23-BP-21-FERT	06/04/2021	20	/	9	/	13	/	425.72	19.96	/	9.87	/	13.10	/	437.98
COFFEE COUNTY FARMERS COOP	24-BP-21-FERT	06/04/2021	20	/	9	/	13	/	425.72	18.76	/	10.94	/	14.72	/	451.18
CULLMAN FARMERS COOP - HOLLY POND	27-JF-21-FERT	06/08/2021	24.0	/	9.0	/	12.0	/	461.22	24.03	/	11.59	/	11.59	/	494.40
DEKALB FARMERS CO-OP	1-CG-21-FERT	04/05/2021	24.0	/	0	/	14.0	/	351.00	23.98	/	0	/	15.15	/	358.73
DEKALB FARMERS CO-OP	2-CG-21-FERT	04/05/2021	9.0	/	15.0	/	30.0	/	509.10	9.22	/	16.69	/	30.49	/	538.10
DEKALB FARMERS CO-OP	3-CG-21-FERT	04/05/2021	23.0	/	6.0	/	13.0	/	416.18	24.02	/	7.22	/	13.31	/	445.94
DEKALB FARMERS CO-OP	4-CG-21-FERT	04/05/2021	24.0	/	0	/	14.0	/	351.00	24.27	/	0	/	13.82	/	352.62
DEKALB FARMERS CO-OP	6-CG-21-FERT	04/05/2021	32.0	/	3.0	/	9.0	/	442.64	32.65	/	3.99	/	10.07	/	470.55
DEKALB FARMERS CO-OP	7-CG-21-FERT	04/05/2021	9.0	/	15.0	/	30.0	/	509.10	9.40	/	13.91	/	28.29	/	486.52
DEKALB FARMERS CO-OP	8-CG-21-FERT	04/05/2021	8.0	/	0	/	36.0	/	333.20	7.65	/	0	/	36.05	/	329.84
DEKALB FARMERS CO-OP	67-CG-21-FERT	06/16/2021	23.0	/	0	/	23.0	/	402.50	23.27	/	0	/	23.18	/	406.60
DEKALB FARMERS CO-OP - RAINSVILLE	11-CG-21-FERT	04/06/2021	6.0	/	9.0	/	30.0	/	394.62	6.51	/	9.05	/	29.33	/	396.10
DEKALB FARMERS CO-OP - RAINSVILLE	13-CG-21-FERT	04/06/2021	17.0	/	16.0	/	16.0	/	511.08	18.47	/	17.34	/	14.51	/	534.85
DEKALB FARMERS CO-OP - RAINSVILLE	14-CG-21-FERT	04/06/2021	40.0	/	0	/	0	/	424.00	40.06	/	0	/	0	/	424.64
DEKALB FARMERS CO-OP - RAINSVILLE	16-CG-21-FERT	04/06/2021	6.0	/	9.0	/	30.0	/	394.62	6.42	/	10.75	/	25.82**	/	394.34

COMPANY NAME	SAMPLE NUMBER	DATE SAMPLED	LABEL GUARANTEE				ANALYSIS FOUND									
			N	/	P	/	K	/	CV	N	/	P	/	K	/	CV
DEKALB FARMERS CO-OP - RAINSVILLE	17-CG-21-FERT	04/06/2021	22.0	/	7.0	/	14.0	/	426.26	22.48	/	7.14	/	13.61	/	430.59
DEKALB FARMERS CO-OP - RAINSVILLE	18-CG-21-FERT	04/06/2021	22.0	/	7.0	/	14.0	/	426.26	21.62	/	7.06	/	13.22	/	417.68
ELBERTA FARMERS CO-OP	41-JB-21-FERT	04/22/2021	16	/	0	/	11	/	245.50	17.27	/	0	/	11.17	/	260.13
ELBERTA FARMERS CO-OP	42-JB-21-FERT	04/22/2021	16	/	0	/	11	/	245.50	16.44	/	0	/	11.94	/	256.65
ELBERTA FARMERS CO-OP	43-JB-21-FERT	04/22/2021	16	/	0	/	11	/	245.50	17.02	/	0	/	13.37	/	272.66
ELBERTA FARMERS CO-OP	44-JB-21-FERT	04/22/2021	16	/	0	/	11	/	245.50	16.73	/	0	/	11.28	/	255.17
ELBERTA FARMERS CO-OP	45-JB-21-FERT	04/22/2021	29	/	0	/	17	/	424.70	30.47	/	0	/	15.41	/	429.31
ELBERTA FARMERS CO-OP	46-JB-21-FERT	04/22/2021	29	/	0	/	17	/	424.70	29.24	/	0	/	16.58	/	424.34
ELLIS AG	30-CG-21-FERT	05/17/2021	42.0	/	0	/	0	/	445.20	40.64	/	0	/	0	/	430.78
ELLIS AG	31-CG-21-FERT	05/17/2021	36.0	/	0	/	7.3	/	431.97	34.76	/	0	/	7.10	/	417.45
ELLIS AG	32-CG-21-FERT	05/17/2021	36.0	/	0	/	7.3	/	431.97	35.52	/	0	/	7.40	/	427.57
ELLIS AG	33-CG-21-FERT	05/17/2021	40.6	/	0	/	0	/	430.36	40.01	/	0	/	0	/	424.11
ELLIS AG	34-CG-21-FERT	05/17/2021	40.7	/	0	/	0	/	431.42	40.78	/	0	/	0	/	432.27
ELLIS AG	35-CG-21-FERT	05/17/2021	40.7	/	0	/	0	/	431.42	40.52	/	0	/	0	/	429.51
ELLIS AG	36-CG-21-FERT	05/17/2021	40.7	/	0	/	0	/	431.42	40.98	/	0	/	0	/	434.39
ELLIS AG	37-CG-21-FERT	05/17/2021	36.0	/	0	/	7.2	/	431.28	36.58	/	0	/	6.48	/	432.46
ELLIS AG	38-CG-21-FERT	05/17/2021	36.0	/	0	/	7.2	/	431.28	34.98	/	0	/	7.57	/	423.02
ELLIS AG	39-CG-21-FERT	05/17/2021	36.0	/	0	/	7.2	/	431.28	35.78	/	0	/	8.40	/	437.23
ELLIS AG	40-CG-21-FERT	05/17/2021	40.6	/	0	/	0	/	430.36	39.96	/	0	/	0	/	423.58
ELLIS AG	41-CG-21-FERT	05/17/2021	40.6	/	0	/	0	/	430.36	40.63	/	0	/	0	/	430.68
ELLIS AG	42-CG-21-FERT	05/17/2021	40.6	/	0	/	0	/	430.36	40.00	/	0	/	0	/	424.00
ELLIS AG	43-CG-21-FERT	05/17/2021	32.8	/	0	/	9.8	/	415.30	32.84	/	0	/	9.81	/	415.79
ELLIS AG	44-CG-21-FERT	05/17/2021	32.8	/	0	/	9.8	/	415.30	32.33	/	0	/	9.93	/	411.22
ELLIS AG	45-CG-21-FERT	05/17/2021	32.8	/	0	/	9.8	/	415.30	31.60	/	0	/	10.85	/	409.83
ELLIS AG	46-CG-21-FERT	05/17/2021	32.8	/	0	/	9.8	/	415.30	31.98	/	0	/	10.90	/	414.20
ELLIS AG	61-CG-21-FERT	06/15/2021	38.6	/	0	/	0	/	409.16	39.17	/	0	/	0	/	415.20
ELLIS AG	62-CG-21-FERT	06/15/2021	38.6	/	0	/	0	/	409.16	38.41	/	0	/	0	/	407.15
ELLIS AG	63-CG-21-FERT	06/15/2021	38.6	/	0	/	0	/	409.16	38.47	/	0	/	0	/	407.78
ELLIS AG	64-CG-21-FERT	06/15/2021	38.6	/	0	/	0	/	409.16	37.96	/	0	/	0	/	402.38
ELLIS AG	65-CG-21-FERT	06/15/2021	38.6	/	0	/	0	/	409.16	39.09	/	0	/	0	/	414.35
ELLIS AG	66-CG-21-FERT	06/15/2021	38.6	/	0	/	0	/	409.16	38.96	/	0	/	0	/	412.98
ELMORE COUNTY FARMERS EXCHANGE	27-KM-21-FERT	04/07/2021	14.0	/	15.0	/	16.0	/	465.50	14.07	/	14.63	/	16.93	/	467.56

COMPANY NAME	SAMPLE NUMBER	DATE SAMPLED	LABEL GUARANTEE				ANALYSIS FOUND									
			N	/	P	/	K	/	CV	N	/	P	/	K	/	CV
ELMORE COUNTY FARMERS EXCHANGE	35-KM-21-FERT	04/21/2021	9.0	/	23.0	/	30	/	619.34	9.07	/	24.91	/	28.14	/	633.57
ELMORE COUNTY FARMERS EXCHANGE	39-KM-21-FERT	05/21/2021	27.0	/	13.0	/	0	/	465.34	26.45	/	15.31	/	0	/	491.34
ELMORE COUNTY FARMERS EXCHANGE	40-KM-21-FERT	05/21/2021	27.0	/	13.0	/	0	/	465.34	27.00	/	15.03	/	0	/	493.31
ELMORE COUNTY FARMERS EXCHANGE	42-KM-21-FERT	05/21/2021	20.0	/	0	/	7.0	/	260.30	20.76	/	0	/	7.87	/	274.36
ELMORE COUNTY FARMERS EXCHANGE	54-KM-21-FERT	08/06/2021	10.0	/	6.0	/	9.0	/	250.78	10.92	/	8.49	/	10.20	/	303.12
ELMORE COUNTY FARMERS EXCHANGE	55-KM-21-FERT	08/11/2021	10.0	/	6.0	/	9.0	/	250.78	10.40	/	7.66	/	10.28	/	286.72
FARMERS CO-OP MKT - FRISCO CITY	33-JB-21-FERT	04/21/2021	4	/	12	/	34	/	442.36	4.66	/	13.66	/	33.19	/	466.64
FARMERS CO-OP MKT - FRISCO CITY	34-JB-21-FERT	04/21/2021	4	/	12	/	34	/	442.36	4.66	/	13.81	/	34.41	/	477.13
FARMERS CO-OP MKT - FRISCO CITY	35-JB-21-FERT	04/21/2021	4	/	12	/	34	/	442.36	4.37	/	12.44	/	37.64	/	477.46
FARMERS CO-OP MKT - FRISCO CITY	36-JB-21-FERT	04/21/2021	4	/	12	/	34	/	442.36	4.40	/	13.75	/	35.59	/	481.68
FARMERS CO-OP MKT - FRISCO CITY	68-JB-21-FERT	04/30/2021	20	/	10	/	18	/	474.00	19.53	/	11.10	/	20.31	/	500.12
FARMERS CO-OP MKT - FRISCO CITY	69-JB-21-FERT	04/30/2021	20	/	10	/	18	/	474.00	19.39	/	11.69	/	19.95	/	504.28
FARMERS CO-OP MKT - FRISCO CITY	70-JB-21-FERT	04/30/2021	8	/	22	/	29	/	588.06	9.12	/	24.88	/	29.15	/	640.66
FARMERS CO-OP MKT - FRISCO CITY	71-JB-21-FERT	04/30/2021	7	/	18	/	36	/	570.64	7.29	/	18.92	/	36.47	/	589.63
FARMERS CO-OP MKT - FRISCO CITY	72-JB-21-FERT	04/30/2021	28	/	0	/	19	/	427.90	27.10	/	0	/	21.70	/	436.99
FARMERS CO-OP MKT - FRISCO CITY	73-JB-21-FERT	04/30/2021	28	/	0	/	19	/	427.90	30.13	/	0	/	21.64	/	468.70
FARMERS CO-OP MKT - FRISCO CITY	74-JB-21-FERT	04/30/2021	28	/	0	/	19	/	427.90	29.70	/	0	/	21.12	/	460.55
FARMERS CO-OP MKT - FRISCO CITY	75-JB-21-FERT	04/30/2021	28	/	0	/	19	/	427.90	27.41	/	0	/	21.99	/	442.28
FARMERS CO-OP MKT - FRISCO CITY	110-JB-21-FERT	06/09/2021	20	/	10	/	18	/	474.00	20.16	/	11.12	/	18.24	/	492.79
FARMERS CO-OP MKT - FRISCO CITY	127-JB-21-FERT	06/30/2021	40	/	0	/	0	/	424.00	39.75	/	0	/	0	/	421.35
FARMERS CO-OP MKT - FRISCO CITY	128-JB-21-FERT	06/30/2021	40	/	0	/	0	/	424.00	38.80	/	0	/	0	/	411.28
FARMERS CO-OP MKT - FRISCO CITY	129-JB-21-FERT	06/30/2021	21	/	15	/	14	/	525.90	19.93	/	14.82	/	14.35	/	514.50
FARMERS CO-OP MKT - FRISCO CITY	130-JB-21-FERT	06/30/2021	24	/	0	/	24	/	420.00	22.75	/	0	/	26.23	/	422.14
FARMERS CO-OP MKT - FRISCO CITY	142-JB-21-FERT	07/26/2021	40	/	0	/	0	/	424.00	36.30**	/	0	/	0	/	384.78
GARRISON FARM SUPPLY	48-KM-21-FERT	05/26/2021	23.0	/	5.0	/	13.0	/	402.40	24.39	/	4.62	/	12.31	/	407.13
HARTFORD FARMERS CO-OP INC	63-BM-21-FERT	07/23/2021	39	/	0	/	0	/	413.40	39.50	/	0	/	0	/	418.70
HARTFORD FARMERS CO-OP INC	64-BM-21-FERT	07/23/2021	38	/	0	/	0	/	402.80	38.79	/	0	/	0	/	411.17
HELENA CHEMICAL CO - ATMORE AL	79-JB-21-FERT	05/07/2021	26	/	0	/	26	/	455.00	26.90	/	0	/	25.65	/	462.13
HELENA CHEMICAL CO - ATMORE AL	80-JB-21-FERT	05/07/2021	26	/	0	/	26	/	455.00	26.29	/	0	/	26.53	/	461.73
HELENA CHEMICAL CO - ATMORE AL	81-JB-21-FERT	05/07/2021	26	/	0	/	26	/	455.00	24.93	/	0	/	28.69	/	462.22
HELENA CHEMICAL CO - ATMORE AL	82-JB-21-FERT	05/07/2021	26	/	0	/	26	/	455.00	23.54	/	0	/	28.81	/	448.31
HELENA CHEMICAL CO - ATMORE AL	83-JB-21-FERT	05/07/2021	23	/	11	/	11	/	471.28	23.88	/	12.27	/	12.58	/	509.01

COMPANY NAME	SAMPLE NUMBER	DATE SAMPLED	LABEL GUARANTEE				ANALYSIS FOUND									
			N	/	P	/	K	/	CV	N	/	P	/	K	/	CV
HELENA CHEMICAL CO - ATMORE AL	87-JB-21-FERT	05/17/2021	9	/	23	/	30	/	619.34	8.45	/	22.59	/	30.69	/	612.62
HELENA CHEMICAL CO - ATMORE AL	88-JB-21-FERT	05/17/2021	9	/	23	/	30	/	619.34	10.00	/	25.10	/	24.96**	/	624.10
HELENA CHEMICAL CO - ATMORE AL	111-JB-21-FERT	06/11/2021	46	/	0	/	0	/	487.60	45.62	/	0	/	0	/	483.57
HELENA CHEMICAL CO - ATMORE AL	120-JB-21-FERT	06/28/2021	40	/	0	/	0	/	424.00	41.76	/	0	/	0	/	442.66
HELENA CHEMICAL CO - ATMORE AL	121-JB-21-FERT	06/28/2021	40	/	0	/	0	/	424.00	40.65	/	0	/	0	/	430.89
HELENA CHEMICAL CO - ATMORE AL	122-JB-21-FERT	06/28/2021	40	/	0	/	0	/	424.00	41.48	/	0	/	0	/	439.69
HELENA CHEMICAL CO - ATMORE AL	123-JB-21-FERT	06/28/2021	40	/	0	/	0	/	424.00	40.66	/	0	/	0	/	431.00
HELENA CHEMICAL CO - ATMORE AL	124-JB-21-FERT	06/28/2021	40	/	0	/	0	/	424.00	40.83	/	0	/	0	/	432.80
HELENA CHEMICAL CO - ATMORE AL	131-JB-21-FERT	07/07/2021	23	/	6	/	23	/	485.18	23.05	/	6.94	/	23.34	/	501.01
HELENA CHEMICAL CO - ATMORE AL	132-JB-21-FERT	07/07/2021	23	/	6	/	23	/	485.18	24.00	/	7.88	/	22.29	/	516.79
HELENA CHEMICAL CO - ATMORE AL	133-JB-21-FERT	07/07/2021	23	/	6	/	23	/	485.18	23.31	/	6.83	/	23.66	/	504.46
HELM FERTILIZER CORP	65-JB-21-FERT	04/29/2021	18	/	46	/	0	/	824.68	17.80	/	46.25	/	0	/	826.00
HELM FERTILIZER CORP	48-CJ-21-FERT	08/18/2021	40	/	0	/	0	/	424.00	40.12	/	0	/	0	/	425.27
INTERNATIONAL CHEMICAL CO	38-KM-21-FERT	05/13/2021	46.0	/	0	/	0	/	487.60	46.71	/	0	/	0	/	495.13
JACKSON FARMERS CO-OP - STEVENSON	10-CG-21-FERT	04/06/2021	19.0	/	19.0	/	19.0	/	594.32	18.94	/	19.86	/	17.87	/	597.73
KELLY AG OF HARTFORD	21-BM-21-FERT	05/17/2021	35	/	0	/	0	/	371.00	35.19	/	0	/	0	/	373.01
KELLY AG OF HARTFORD	22-BM-21-FERT	05/17/2021	35	/	0	/	0	/	371.00	34.38	/	0	/	0	/	364.43
KELLY AG OF HARTFORD	24-BM-21-FERT	05/17/2021	24	/	6	/	12	/	419.88	23.66	/	7.53	/	13.99	/	451.09
KELLY AG OF HARTFORD	25-BM-21-FERT	05/17/2021	4	/	20	/	36	/	566.40	4.36	/	20.53	/	35.85	/	576.49
KELLY AG OF HARTFORD	23-BM-21-FERT	05/17/2021	24	/	6	/	12	/	419.88	23.56	/	7.49	/	13.88	/	448.72
KELLY AG OF HARTFORD	26-BM-21-FERT	06/09/2021	38	/	0	/	0	/	402.80	37.80	/	0	/	0	/	400.68
KELLY AG OF HARTFORD	27-BM-21-FERT	06/09/2021	40	/	0	/	0	/	424.00	39.20	/	0	/	0	/	415.52
KELLY AG OF HARTFORD	33-BM-21-FERT	06/11/2021	5	/	15	/	30	/	466.70	5.44	/	16.95	/	27.11	/	478.29
KELLY AG OF HARTFORD	34-BM-21-FERT	06/11/2021	24	/	8	/	16	/	475.04	23.38	/	9.86	/	17.27	/	502.86
KELLY AG OF HARTFORD	35-BM-21-FERT	06/11/2021	30	/	0	/	15	/	421.50	29.94	/	0	/	13.82	/	412.72
KELLY AG OF HARTFORD	76-BM-21-FERT	09/08/2021	41	/	0	/	0	/	434.60	41.69	/	0	/	0	/	441.91
KELLY AG OF HEADLAND, LLC	17-BM-21-FERT	05/17/2021	39	/	0	/	0	/	413.40	38.60	/	0	/	0	/	409.16
KELLY AG OF HEADLAND, LLC	18-BM-21-FERT	05/17/2021	28	/	0	/	17	/	414.10	27.18	/	0	/	16.74	/	403.62
KELLY AG OF HEADLAND, LLC	19-BM-21-FERT	05/17/2021	17	/	8	/	17	/	407.74	17.18	/	10.98	/	16.67	/	448.43
KELLY AG OF HEADLAND, LLC	20-BM-21-FERT	05/17/2021	28	/	0	/	18	/	421.00	25.53	/	0	/	20.32	/	410.83
KELLY AG OF HEADLAND, LLC	29-BM-21-FERT	06/09/2021	5	/	26	/	30	/	618.28	6.08	/	27.05	/	28.21	/	631.85
KELLY AG OF HEADLAND, LLC	36-BM-21-FERT	06/11/2021	39	/	0	/	0	/	413.40	37.42	/	0	/	0	/	396.65

COMPANY NAME	SAMPLE NUMBER	DATE SAMPLED	LABEL GUARANTEE						ANALYSIS FOUND							
			N	/	P	/	K	/	CV	N	/	P	/	K	/	CV
KELLY AG OF HEADLAND, LLC 37-BM-21-FERT		06/11/2021	27	/	0	/	13	/	375.90	26.38	/	0	/	15.65	/	387.62
KELLY AG OF HEADLAND, LLC 38-BM-21-FERT		06/11/2021	22	/	0	/	20	/	371.20	20.62	/	0	/	22.01	/	370.44
KELLY AG OF HEADLAND, LLC 39-BM-21-FERT		06/11/2021	22	/	0	/	20	/	371.20	20.82	/	0	/	20.84	/	364.49
KELLY AG OF HEADLAND, LLC 57-BM-21-FERT		07/13/2021	9	/	0	/	29	/	295.50	9.53	/	0	/	28.01	/	294.29
KELLY AG OF HEADLAND, LLC 58-BM-21-FERT		07/13/2021	9	/	0	/	29	/	295.50	9.02	/	0	/	29.51	/	299.23
KELLY AG OF HEADLAND, LLC 59-BM-21-FERT		07/13/2021	23	/	0	/	23	/	402.50	21.60	/	0	/	25.87	/	407.46
KELLY AG OF HEADLAND, LLC 60-BM-21-FERT		07/13/2021	3	/	14	/	21	/	369.62	3.37	/	15.93	/	20.97	/	399.93
KELLY AG OF HEADLAND, LLC 61-BM-21-FERT		07/13/2021	3	/	14	/	21	/	369.62	3.33	/	15.91	/	20.39	/	395.23
KELLY AG OF HEADLAND, LLC 71-BM-21-FERT		08/09/2021	25	/	0	/	19	/	396.10	24.71	/	0	/	19.62	/	397.31
KELLY AG OF HEADLAND, LLC 72-BM-21-FERT		08/09/2021	25	/	0	/	19	/	396.10	24.57	/	0	/	20.35	/	400.86
KELLY AG OF HEADLAND, LLC 73-BM-21-FERT		08/09/2021	22	/	0	/	20	/	371.20	22.61	/	0	/	18.13	/	364.77
LUVERNE COOP SERVICE INC 28-BP-21-FERT		06/10/2021	20	/	0	/	20	/	350.00	20.35	/	0	/	21.03	/	360.82
MARSHALL COUNTY FARMERS CO OP - ARAB	27-CG-21-FERT	04/28/2021	8.0	/	20.0	/	32.0	/	581.20	8.17	/	19.95	/	33.94	/	595.70
MARSHALL COUNTY FARMERS CO OP - ARAB	28-CG-21-FERT	04/28/2021	8.0	/	20.0	/	32.0	/	581.20	9.16	/	20.62	/	30.46	/	591.41
MARSHALL COUNTY FARMERS CO OP - ARAB	29-CG-21-FERT	04/28/2021	8.0	/	20.0	/	32.0	/	581.20	7.66	/	21.47	/	30.95	/	590.62
MILLARD MARITIME LLC	14-KM-21-FERT	03/30/2021	18	/	46	/	0	/	824.68	17.87	/	46.15	/	0	/	825.37
MILLARD MARITIME LLC	84-JB-21-FERT	05/07/2021	46	/	0	/	0	/	487.60	44.91	/	0	/	0	/	476.05
MILLARD MARITIME LLC	85-JB-21-FERT	05/14/2021	46	/	0	/	0	/	487.60	46.54	/	0	/	0	/	493.32
MILLARD MARITIME LLC	91-JB-21-FERT	05/21/2021	0	/	0	/	60	/	414.00	0	/	0	/	61.76	/	426.14
MILLARD MARITIME LLC	112-JB-21-FERT	06/11/2021	0	/	0	/	60	/	414.00	0	/	0	/	59.45	/	410.21
MILLARD MARITIME LLC	125-JB-21-FERT	06/28/2021	46	/	0	/	0	/	487.60	46.08	/	0	/	0	/	488.45
MILLARD MARITIME LLC	139-JB-21-FERT	07/21/2021	32	/	0	/	0	/	339.20	32.04	/	0	/	0	/	339.62
MILLARD MARITIME LLC	140-JB-21-FERT	07/21/2021	32	/	0	/	0	/	339.20	32.19	/	0	/	0	/	341.21
MILLARD MARITIME LLC	141-JB-21-FERT	07/21/2021	32	/	0	/	0	/	339.20	32.13	/	0	/	0	/	340.58
MILLARD MARITIME LLC	146-JB-21-FERT	09/14/2021	46	/	0	/	0	/	487.60	46.07	/	0	/	0	/	488.34
MOSAIC PHOSPHATES CO.	96-JB-21-FERT	06/02/2021	18	/	46	/	0	/	824.68	17.66	/	47.34	/	0	/	839.55
MOSAIC PHOSPHATES CO.	105-JB-21-FERT	06/08/2021	18	/	46	/	0	/	824.68	17.47	/	45.91	/	0	/	817.82
NUTRIEN AG SOLUTIONS INC - AGRUIM	137-JB-21-FERT	07/09/2021	5	/	15	/	30	/	466.70	5.57	/	15.32	/	26.96**	/	456.17
NUTRIEN AG SOLUTIONS INC - AGRUIM	138-JB-21-FERT	07/09/2021	5	/	15	/	30	/	466.70	5.82	/	15.22	/	27.89	/	463.86
NUTRIEN AG SOLUTIONS INC - DOTHAN	66-BM-21-FERT	07/29/2021	22	/	0.2	/	21	/	380.86	20.89	/	0.29	/	23.59	/	388.20
NUTRIEN AG SOLUTIONS INC - KINSTON	31B-M-21-FERT	06/10/2021	23	/	0	/	23	/	402.50	22.47	/	0	/	23.65	/	401.37
NUTRIEN AG SOLUTIONS INC - KINSTON	32-BM-21-FERT	06/10/2021	23	/	0	/	23	/	402.50	22.84	/	0	/	23.87	/	406.80

COMPANY NAME	SAMPLE NUMBER	DATE SAMPLED	LABEL GUARANTEE							ANALYSIS FOUND						
			N	/	P	/	K	/	CV	N	/	P	/	K	/	CV
NUTRIEN AG SOLUTIONS INC - LOVELAND	93-JB-21-FERT	05/24/2021	5	/	15	/	30	/	466.70	5.88	/	15.65	/	24.94**	/	450.08
NUTRIEN AG SOLUTIONS INC - LOVELAND	106-JB-21-FERT	06/08/2021	18	/	46	/	0	/	824.68	17.67	/	46.66	/	0	/	830.27
NUTRIEN AG SOLUTIONS INC - LOVELAND	107-JB-21-FERT	06/08/2021	18	/	46	/	0	/	824.68	17.66	/	46.74	/	0	/	831.28
NUTRIEN AG SOLUTIONS INC - MADISON	16-JF-21-FERT	05/17/2021	29.4	/	9.8	/	9.8	/	514.30	29.11	/	10.43	/	8.95	/	514.06
NUTRIEN AG SOLUTIONS INC - MADISON	17-JF-21-FERT	05/17/2021	29.4	/	9.8	/	9.8	/	514.30	28.98	/	11.33	/	8.87	/	524.52
NUTRIEN AG SOLUTIONS INC - SUMMERDALE	66-JB-21-FERT	04/29/2021	16	/	4	/	8	/	279.92	16.09	/	4.82	/	9.78	/	304.45
NUTRIEN AG SOLUTIONS INC - SUMMERDALE	67-JB-21-FERT	04/29/2021	7	/	16	/	22	/	446.48	7.90	/	19.32	/	23.32	/	510.88
NUTRIEN AG SOLUTIONS INC - SUMMERDALE	95-JB-21-FERT	05/27/2021	40	/	0	/	0	/	424.00	39.48	/	0	/	0	/	418.49
NUTRIEN AG SOLUTIONS INC - SUMMERDALE	108-JB-21-FERT	06/08/2021	17	/	17	/	17	/	531.76	16.71	/	18.99	/	15.10**	/	543.00
NUTRIEN AG SOLUTIONS INC - SUMMERDALE	109-JB-21-FERT	06/08/2021	10	/	26	/	26	/	643.68	11.05	/	28.30	/	22.12**	/	659.73
NUTRIEN AG SOLUTIONS INC - SUMMERDALE	114-JB-21-FERT	06/14/2021	18	/	10	/	18	/	452.80	17.68	/	10.92	/	17.07	/	455.67
NUTRIEN AG SOLUTIONS INC - SUMMERDALE	115-JB-21-FERT	06/14/2021	10	/	15	/	28	/	505.90	10.45	/	16.75	/	26.79	/	526.43
NUTRIEN AG SOLUTIONS INC - SUMMERDALE	116-JB-21-FERT	06/14/2021	23	/	7	/	15	/	443.76	21.59	/	8.33	/	16.85	/	459.91
PCS SALES (USA) INC	64-JB-21-FERT	04/28/2021	0	/	0	/	60	/	414.00	0	/	0	/	60.58	/	418.00
PIEDMONT FERTILIZER CO INC	50-KM-21-FERT	06/14/2021	30.0	/	0	/	0	/	318.00	29.81	/	0	/	0	/	315.99
PIKE FARMERS CO-OP	25-BP-21-FERT	06/08/2021	22	/	10	/	13	/	460.70	21.95	/	12.57	/	13.09	/	496.20
PIKE FARMERS CO-OP	26-BP-21-FERT	06/08/2021	30	/	0	/	0	/	318.00	30.78	/	0	/	0	/	326.27
PIKE FARMERS CO-OP	27-BP-21-FERT	06/08/2021	27	/	0	/	11	/	362.10	27.66	/	0	/	10.62	/	366.48
PIKE FARMERS CO-OP	29-BP-21-FERT	06/17/2021	30	/	0	/	0	/	318.00	30.66	/	0	/	0	/	325.00
PIKE FARMERS CO-OP	30-BP-21-FERT	06/17/2021	22	/	7	/	14	/	426.26	21.68	/	11.89	/	12.06**	/	476.86
RANDOLPH FARMERS CO-OP	8-KM-21-FERT	03/24/2021	25.0	/	5.0	/	10.0	/	402.90	26.66	/	4.71	/	9.93	/	416.02
RANDOLPH FARMERS CO-OP	9-KM-21-FERT	03/24/2021	25.0	/	5.0	/	10.0	/	402.90	24.61	/	5.09	/	10.38	/	402.63
RANDOLPH FARMERS CO-OP	10-KM-21-FERT	03/24/2021	25.0	/	5.0	/	10.0	/	402.90	25.63	/	4.90	/	10.09	/	408.82
RANDOLPH FARMERS CO-OP	11-KM-21-FERT	03/24/2021	25.0	/	5.0	/	10.0	/	402.90	24.31	/	5.45	/	9.41	/	397.72
RANDOLPH FARMERS CO-OP	12-KM-21-FERT	03/24/2021	46.0	/	0	/	0	/	487.60	45.77	/	0	/	0	/	485.16
RANDOLPH FARMERS CO-OP	30-KM-21-FERT	04/13/2021	24.0	/	6.0	/	6.0	/	378.48	26.41	/	6.94	/	6.71	/	421.88
RANDOLPH FARMERS CO-OP	31-KM-21-FERT	04/13/2021	24.0	/	6.0	/	6.0	/	378.48	27.02	/	7.66	/	7.06	/	440.67
RANDOLPH FARMERS CO-OP	32-KM-21-FERT	04/13/2021	13.0	/	13.0	/	13.0	/	406.64	13.08	/	14.56	/	12.48	/	425.40
SIMPLOT	18-JF-21-FERT	06/01/2021	32.6	/	16.3	/	0	/	570.17	34.04	/	14.15**	/	0	/	555.81
SIMPLOT	19-JF-21-FERT	06/01/2021	32.6	/	16.3	/	0	/	570.17	35.63	/	10.93**	/	0	/	528.30
SIMPLOT	20-JF-21-FERT	06/01/2021	42.4	/	0	/	0	/	449.44	41.50	/	0	/	0	/	439.90
SIMPLOT	21-JF-21-FERT	06/01/2021	42.4	/	0	/	0	/	449.44	41.41	/	0	/	0	/	438.95

COMPANY NAME	SAMPLE NUMBER	DATE SAMPLED	LABEL GUARANTEE				ANALYSIS FOUND									
			N	/	P	/	K	/	CV	N	/	P	/	K	/	CV
SIMPLOT	22-JF-21-FERT	06/01/2021	42.4	/	0	/	0	/	449.44	40.51	/	0	/	0	/	429.41
SIMPLOT	23-JF-21-FERT	06/01/2021	42.4	/	0	/	0	/	449.44	41.28	/	0	/	0	/	437.57
SIMPLOT	24-JF-21-FERT	06/01/2021	40.8	/	0	/	0	/	432.48	39.70	/	0	/	0	/	420.82
SIMPLOT	25-JF-21-FERT	06/01/2021	40.8	/	0	/	0	/	432.48	39.60	/	0	/	0	/	419.76
SIMPLOT	26-JF-21-FERT	06/01/2021	40.8	/	0	/	0	/	432.48	39.68	/	0	/	0	/	420.61
TALLADEGA COUNTY EXCHANGE	13-KM-21-FERT	03/29/2021	24.0	/	9.0	/	9.0	/	440.52	25.54	/	9.40	/	8.46	/	458.62
TALLADEGA COUNTY EXCHANGE	15-KM-21-FERT	04/06/2021	14.0	/	16.0	/	18.0	/	493.08	14.18	/	16.27	/	18.68	/	503.40
TALLADEGA COUNTY EXCHANGE	16-KM-21-FERT	04/06/2021	14.0	/	16.0	/	18.0	/	493.08	13.60	/	15.97	/	19.69	/	500.09
TALLADEGA COUNTY EXCHANGE	17-KM-21-FERT	04/06/2021	14.0	/	16.0	/	18.0	/	493.08	14.63	/	17.90	/	17.99	/	525.87
TALLADEGA COUNTY EXCHANGE	18-KM-21-FERT	04/06/2021	14.0	/	16.0	/	18.0	/	493.08	13.58	/	17.37	/	18.47	/	510.75
TALLADEGA COUNTY EXCHANGE	19-KM-21-FERT	04/06/2021	0	/	0	/	41.0	/	282.90	0	/	0	/	40.01	/	276.07
TALLADEGA COUNTY EXCHANGE	20-KM-21-FERT	04/06/2021	0	/	0	/	41.0	/	282.90	0	/	0	/	38.34**	/	264.55
TALLADEGA COUNTY EXCHANGE	21-KM-21-FERT	04/06/2021	0	/	0	/	41.0	/	282.90	0	/	0	/	38.91**	/	268.48
TALLADEGA COUNTY EXCHANGE	22-KM-21-FERT	04/06/2021	0	/	0	/	41.0	/	282.90	0	/	0	/	38.92**	/	268.55
TALLADEGA COUNTY EXCHANGE	23-KM-21-FERT	04/07/2021	14.0	/	16.0	/	18.0	/	493.08	14.80	/	17.69	/	16.24	/	512.71
TALLADEGA COUNTY EXCHANGE	24-KM-21-FERT	04/07/2021	14.0	/	16.0	/	18.0	/	493.08	14.41	/	16.56	/	18.01	/	505.22
TALLADEGA COUNTY EXCHANGE	25-KM-21-FERT	04/07/2021	14.0	/	16.0	/	18.0	/	493.08	14.83	/	17.99	/	17.50	/	525.85
TALLADEGA COUNTY EXCHANGE	26-KM-21-FERT	04/07/2021	14.0	/	16.0	/	18.0	/	493.08	15.51	/	16.47	/	16.70	/	506.60
TALLADEGA COUNTY EXCHANGE	37-KM-21-FERT	05/10/2021	17.0	/	17.0	/	17.0	/	531.76	18.38	/	17.96	/	17.33	/	561.90
TALLADEGA COUNTY EXCHANGE	43-KM-21-FERT	05/24/2021	9.0	/	25.0	/	27.0	/	626.20	9.82	/	25.01	/	27.53	/	638.69
TALLADEGA COUNTY EXCHANGE	44-KM-21-FERT	05/24/2021	9.0	/	25.0	/	27.0	/	626.20	11.11	/	27.08	/	22.92**	/	649.08
TALLADEGA COUNTY EXCHANGE	45-KM-21-FERT	05/24/2021	9.0	/	25.0	/	27.0	/	626.20	10.07	/	27.24	/	24.76	/	652.95
TALLADEGA COUNTY EXCHANGE	46-KM-21-FERT	05/24/2021	9.0	/	25.0	/	27.0	/	626.20	10.66	/	25.95	/	23.99**	/	636.12
TELECON FARMERS COOP	33-KM-21-FERT	04/14/2021	17.0	/	17.0	/	17.0	/	531.76	17.73	/	17.56	/	15.70	/	538.25
TIGER-SUL PRODUCTS LLC	78-JB-21-FERT	05/07/2021	0	/	0	/	0	/	0	0	/	0	/	0	/	0
WOODS FARM SUPPLY INC	47-CJ-21-FERT	08/17/2021	17	/	17	/	17	/	531.76	16.64	/	19.18	/	17.69	/	562.74