

SECRETARY OF AGRICULTURE  
LARRY GABRIEL

FERTILIZER PROGRAM

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# **2001 COMMERCIAL FERTILIZER ANNUAL REPORT**

The South Dakota Department of Agriculture, Division of Agricultural Services, Office of Agronomy Services under the Authority of SDCL 38-14 provides for sampling and analysis of fertilizer ingredients and fertilizer products sold in South Dakota. Analysis of all products distributed under the law are in this report.

State Inspectors random sample fertilizer products throughout South Dakota. The following summary of samples were analyzed and results provided by the Analytical Services Laboratory within the Chemistry Department at the South Dakota State University located in Brookings, South Dakota.

SECTION A: SAMPLE COUNT REPORT

SECTION B: SAMPLE REPORT SUMMARY

SECTION C: REGULATORY ANALYTE TOTALS

SECTION D: FERTILIZER TONNAGE SUMMARY

SECTION A:

SAMPLE

COUNT

REPORT

# Sample Count Report

Fertilizers Sampled From 1/1/2001 To 12/31/2001

Manufacturer and Location			Sample	Passed	Not
Ag First Farmers Coop	Brookings	SD	3	1	2
Ag-Land Fertilizer	Yankton	SD	1	0	1
Agriliance	Sioux City	IA	1	1	0
Agriliance	Verdi	MN	1	1	0
Agriliance Agronomy	Bismarck	ND	4	4	0
Agriliance LLC	Minneapolis	MN	2	2	0
Agriliance LLC	Watertown	SD	5	5	0
Agriliance, LLC	Kansas City	MO	42	41	1
Agriliance, LLC	St. Paul	MN	30	30	0
Agrium Conda Phosphate	Soda Springs	ID	2	2	0
Agrium Inc.	Calgary Alberta	CN	3	3	0
Agrium U.S., Inc	Denver	CO	3	3	0
Agrium US Inc.	Carseland AB	CN	1	1	0
Agrium US Inc.	Redwater,	CN	1	1	0
AH Hoffman Inc	Lancaster	PA	1	1	0
Aim Lawn & Garden Products	Avon Lake	OH	1	1	0
Alljack	St. Louis	MO	2	2	0
Am Turf R	Bradley	MI	1	1	0
American Plant Food Co.	Creve Coeur	MO	1	1	0
Andersons (The) Lawn Fert Div	Maumee	OH	1	0	1
Arlington Farmers Elevator	Arlington	SD	2	0	2
Bayer-Pursell LLC.	Birmingham	AL	1	1	0
BCA Products	Sleepy Eye	MN	1	1	0
Beresford Farmers Coop Elevator	Beresford	SD	1	1	0
Big Green Inc	Mitchell	SD	1	1	0
Calcium Products Inc.	Gilmore City	IA	1	0	1
Cargill Fertilizer Inc	Riverview	FL	6	6	0
Cargill Inc.	Savage	MN	1	1	0
Cenex	Wolsey	SD	1	0	1
Cenex/Land O Lakes	St. Paul	MN	1	1	0
Cenex/Land O Lakes Ag Services	Bismarck	ND	1	1	0
Centennial Ag Supply Company	Kersey	CO	3	0	3
CF Industries Inc	Long Grove	IL	4	4	0
Chevron Chemical Company	San Francisco	CA	1	1	0
Clark Community Oil Co.	Clark	SD	1	1	0
Coastal Chemical Inc	Cheyenne	WY	2	2	0
Cone Ag Service	Pierre	SD	4	4	0
Cooperative Agronomy Services	Groton	SD	1	1	0
Country Partners Cooperative	Sisseton	SD	1	1	0

Manufacturer and Location			Sample	Passed	Not
Cropmate Company	Pekin	IL	2	2	0
Dakota Diamond	St. Lawrence	SD	1	0	1
Dakota Gasification Company	Beulah	ND	1	1	0
Dakota Gasification Company	Englewood	CO	1	1	0
Dakota Mill & Grain	Fort Pierre	SD	1	1	0
Dakota Mill and Grain	Presho	SD	1	1	0
Dakota Plains (Cargill)	Tripp		1	1	0
Dakota Plains Ag Ctr	Parkston	SD	3	3	0
De Bruce Fertilizer Inc.	St. Louis	MO	1	1	0
DeBoer Ag Service	Oral	SD	1	1	0
DeBruce Fertilizer, Inc.	Kansas City	MO	1	1	0
Domestic Fertilizer Inc	Paris	KY	1	1	0
Eastern Farmers Coop	Hurley	SD	1	1	0
Easy Gardener	Waco	TX	2	2	0
Easy Gardener Inc.	Paris	KY	1	0	1
Eau Claire Coop Oil Company	Eau Claire	WI	3	3	0
Estelline Coop Grain	Estelline	SD	1	1	0
Farmers Co-op Assc.	Wilmot	SD	1	1	0
Farmers Coop Elevator	New Effington	SD	1	1	0
Farmers Coop Oil	White Lake	SD	1	1	0
Farmers Elevator	Colfax	ND	1	1	0
Farmers Plant Food Inc	Garretson	SD	8	8	0
Farmers Plant Food Inc	Wolsey	SD	4	4	0
Farmers Union	Faulkton	SD	3	0	3
Farmers Union Oil Company	Pierpont	SD	1	0	1
Farmland	OLathe	KS	1	1	0
Farmland Industries	Lawrence	KS	1	1	0
Florence Farmers Elevator	Florence	SD	1	0	1
Free Flow Fertilizer	Maumee	OH	2	2	0
Fremar Farmers Coop Inc	Marion	SD	1	0	1
Gro Tec Inc	Madison	GA	1	0	1
Growing Markets, Inc.	West Des	IA	1	0	1
Hamlin County Farmers Coop	Hayti	SD	1	1	0
Harvest States Coop	Claire City	SD	1	0	1
Helana Chemical Co.	Bassett	NE	2	2	0
Howard Johnsons Enterprises Inc	Milwaukee	WI	14	9	5
IMC Kalium Canada	Regina,	CA	1	1	0
IMC Kalium Ltd.	Deerfield	IL	1	1	0
IMC USA Inc.	Lake Forest	IL	4	4	0
Ironite Products Company	Scottsdale	AZ	1	1	0
Johnsons Ranchers Supply Inc	Wall	SD	1	1	0
JR Simplot	Rock Springs	WY	2	2	0
Knox Fertilizer Co Inc	Knox	IN	2	0	2
Labolt Farmers Grain	Labolt	SD	1	1	0

<b>Manufacturer and Location</b>			<b>Sample</b>	<b>Passed</b>	<b>Not</b>
Lake Norden Farmers Elevator	Lake Norden	SD	1	0	1
Lake Preston Farm Supply	Lake Preston	SD	1	1	0
Lebanon Chemical Corp	Lebanon	PA	1	1	0
Linear Grain, Inc	Carman,	CA	1	1	0
Martha Stewart LLC	Buffalo	NY	1	1	0
Medicine Hat	Calgary, Alberta	CN	1	1	0
Midwest Cooperatives	Pierre	SD	2	1	1
Miracle Gro Lawn Products	Marysville	OH	1	1	0
Miracle Gro Lawn Products	Port	NY	3	2	1
Northern Ag Supply	Burnsville	MN	2	2	0
Nutra-Flo Company	Sioux City	IA	1	1	0
PCS Sales (USA) Inc.	Northbrook	IL	1	1	0
Pursell Industries Inc	Sylacauga	AL	14	8	6
Quali Trade, Inc.	Shakopee	MN	1	1	0
Revillo Farmers Elevator	Revillo	SD	1	0	1
Saskferco	Belle Plaine,	CN	3	3	0
Schultz Company	Bridgeton	MO	5	3	2
Schultz Company	St. Louis	MO	2	2	0
Scotts Company	Marysville	OH	25	22	3
Scotts Miracle-Grow	Port	NY	9	9	0
SD Wheat Growers	McLaughlin	SD	2	2	0
SD Wheat Growers	Willow Lake	SD	1	0	1
SD Wheatgrowers Assn	Aberdeen	SD	1	1	0
SD Wheatgrowers Assn	Huron	SD	4	4	0
SE Farmers Elevator	Elk Point	SD	1	1	0
Simplot	Boise	ID	1	1	0
Simplot Soil Builders	Beresford	SD	1	0	1
Sinai Coop Elevator	Sinai	SD	2	2	0
Solaris Group	San Ramon	CA	2	2	0
Southwest Grain	Belle Fourche	SD	1	0	1
Southwest Grain	Lemmon	SD	2	1	1
Spectrum Group-Div of United	St. Louis	MO	3	3	0
Stateline Farmers	Milbank	SD	1	1	0
Terra Nitrogen Corp	Sioux City	IA	4	4	0
Tessengerlo Kerley Inc	Phoenix	AZ	1	1	0
Tetra Micronutrients	Woodlands	TX	1	1	0
Tiger Int.	Calgary, Alberta	CN	1	0	1
Toro Company	Maple Plain	MN	1	1	0
Tru Serv Corp.	Maumee	OH	1	0	1
Truserv Corporation	Chicago	IL	3	3	0
Turnis Farm Service	Platte	SD	1	1	0
United Agri Products	Franklin	MN	1	1	0
United Industries Corp.	St. Louis	MO	1	1	0
United Suppliers Inc.	Eldora	IA	5	5	0

<b>Manufacturer and Location</b>			<b>Sample</b>	<b>Passed</b>	<b>Not</b>
Vermillion Fertilizer Company	Vermillion	SD	1	1	0
Viborg Coop Elevator	Viborg	SD	1	0	1
Volga Ag Service	Volga	SD	1	0	1
Voluntary Purchasing Group	Borham	TX	1	1	0
Voluntary Purchasing Groups	Bonham	TX	5	2	3
Warne Chemical	Rapid City	SD	1	1	0
Watertown Coop Elevator	Watertown	SD	1	0	1
Weatherly Consumer Products	Lexington	KY	1	1	0
Western Consolidated Coop	Appleton	MN	1	1	0
Wil Farm LLC	Gladstone	MO	1	1	0
Winona River & Rail	Winona	MN	2	2	0
<b>Totals:</b>			360	302	58

**Percent Passed:** 83.9%

**Percent Not** 16.1%

SECTION B:

SAMPLE

REPORT

SUMMARY



Manufacturer Location	Product	Analyte	Found	Claim	
<b>Ag First Farmers Coop</b>					
<b>Brookings, SD</b>					
	<b>Custom blend 35.53-12.24-3.94</b>		<b>01N-03437</b>		
	Commercial Value		137.	135.01	
	Overall Index Value		102.	100	
	Total Nitrogen, %		34.79	35.53	
	Available Phosphate, %		13.92	12.24	
	Soluble Potash, %		4.99	3.94	
	<b>*** Custom blend fertilizer 32.27-13.83-6.92</b>		<b>01N-03438</b>		
	Arsenic, ug/g (ppm)		5.2	0	
	Cadmium, ug/g (ppm)		1.3	0	
	Commercial Value		132.	131.39	
	Overall Index Value		101.	100	
	Total Nitrogen, %		31.18	32.27	DEFICIENT
	Available Phosphate, %		14.95	13.83	
	Soluble Potash, %		8.56	6.92	
	Lead, ug/g (ppm)		0.9	0	
	Mercury, ug/g (ppm)		<0.10	0	
	Selenium, ug/g (ppm)		<0.045	0	
	<b>*** Custom blend fertilizer 32.93-13.18-6.59</b>		<b>01N-03439</b>		
	Commercial Value		135.	131.74	
	Overall Index Value		103.	100	
	Total Nitrogen, %		33.74	32.93	
	Available Phosphate, %		14.16	13.18	
	Soluble Potash, %		5.89	6.59	DEFICIENT
<b>Ag-Land Fertilizer</b>					
<b>Yankton, SD</b>					
	<b>*** Custom blend fertilizer 18-46-10 @ 117# per ac.</b>		<b>01N-02920</b>		
	Commercial Value		134.	156	
	Overall Index Value		86.0	100	DEFICIENT
	Total Nitrogen, %		15.06	18	DEFICIENT
	Available Phosphate, %		39.47	46	DEFICIENT
	Soluble Potash, %		10.04	10	
<b>Agrilience</b>					
<b>Sioux City, IA</b>					
	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-03851</b>		
	Total Nitrogen, %		46.50	46	
<b>Agrilience</b>					
<b>Verdi, MN</b>					
	<b>Liquid fertilizer 28-0-0</b>		<b>01N-04057</b>		
	Total Nitrogen, %		28.20	28	
<b>Agrilience Agronomy</b>					
<b>Bismarck, ND</b>					
	<b>Dry bulk fertilizer 0-0-60</b>		<b>01N-03985</b>		
	Soluble Potash, %		60.47	60	
	<b>Dry bulk fertilizer 21-0-0-24</b>		<b>01N-04999</b>		
	Total Nitrogen, %		21.40	21	
	Sulfur, %		23.63	24	
	<b>Dry bulk fertilizer 18-46-0</b>		<b>01N-05000</b>		
	Commercial Value		146.	146	
	Overall Index Value		100.	100	
	Total Nitrogen, %		17.36	18	
	Available Phosphate, %		47.14	46	

Manufacturer Location	Product	Analyte	Found	Claim
	<b>Dry bulk fertilizer 11-52-0</b>		<b>01N-05002</b>	
		Commercial Value	140.	137
		Overall Index Value	103.	100
		Total Nitrogen, %	11.01	11
		Available Phosphate, %	53.73	52
<b>Agrilience LLC Minneapolis, MN</b>				
	<b>Dry bulk fertilizer 10-50-0</b>		<b>01N-03546</b>	
		Commercial Value	138.	130
		Overall Index Value	106.	100
		Total Nitrogen, %	11.19	10
		Available Phosphate, %	52.06	50
	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-03859</b>	
		Total Nitrogen, %	46.52	46
<b>Agrilience LLC Watertown, SD</b>				
	<b>Custom blend fertilizer 0-31.73-17.7</b>		<b>01N-03596</b>	
		Commercial Value	85.5	81.16
		Overall Index Value	105.	100
		Available Phosphate, %	33.42	31.73
		Soluble Potash, %	18.63	17.7
	<b>Dry bulk fertilizer 18-46-0</b>		<b>01N-03772</b>	
		Commercial Value	145.	146
		Overall Index Value	99.3	100
		Total Nitrogen, %	17.70	18
		Available Phosphate, %	45.95	46
	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-03773</b>	
		Total Nitrogen, %	46.53	46
	<b>Dry bulk fertilizer DAP 18-46-0</b>		<b>01N-04183</b>	
		Commercial Value	148.	146
		Overall Index Value	101.	100
		Total Nitrogen, %	17.71	18
		Available Phosphate, %	47.40	46
	<b>Dry bulk fertilizer Triple Super 0-46-0</b>		<b>01N-04185</b>	
		Available Phosphate, %	48.22	46
<b>Agrilience, LLC Kansas City, MO</b>				
	<b>Dry bulk fertilizer 11-52-0</b>		<b>01N-03403</b>	
		Commercial Value	140.	137
		Overall Index Value	103.	100
		Total Nitrogen, %	12.18	11
		Available Phosphate, %	52.06	52
	<b>Dry bulk fertilizer 18-46-0</b>		<b>01N-03595</b>	
		Commercial Value	148.	146
		Overall Index Value	101.	100
		Total Nitrogen, %	17.96	18
		Available Phosphate, %	46.94	46
	<b>** Dry bulk fertilizer 18-46-0</b>		<b>01N-03599</b>	
		Commercial Value	145.	146
		Overall Index Value	99.2	100
		Total Nitrogen, %	16.75	18
		Available Phosphate, %	47.38	46
	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-03600</b>	
		Total Nitrogen, %	46.53	46

DEFICIENT

Manufacturer Location	Product	Analyte	Found	Claim
	<b>Dry bulk fertilizer 18-46-0</b>		<b>01N-03602</b>	
		Commercial Value	146.	146
		Overall Index Value	100.	100
		Total Nitrogen, %	17.46	18
		Available Phosphate, %	47.04	46
	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-03603</b>	
		Total Nitrogen, %	46.54	46
	<b>Dry bulk fertilizer 18-46-0</b>		<b>01N-03661</b>	
		Commercial Value	146.	146
		Overall Index Value	99.7	100
		Total Nitrogen, %	17.60	18
		Available Phosphate, %	46.41	46
	<b>Dry bulk fertilizer 18-46-0</b>		<b>01N-03688</b>	
		Commercial Value	147.	146
		Overall Index Value	101.	100
		Total Nitrogen, %	17.74	18
		Available Phosphate, %	47.03	46
	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-03689</b>	
		Total Nitrogen, %	46.48	46
	<b>Liquid fertilizer 10-34-0</b>		<b>01N-03690</b>	
		Commercial Value	98.2	98
		Overall Index Value	100.	100
		Total Nitrogen, %	10.00	10
		Available Phosphate, %	34.12	34
	<b>Liquid fertilizer 28-0-0</b>		<b>01N-03691</b>	
		Total Nitrogen, %	27.88	28
	<b>Liquid fertilizer 28-0-0</b>		<b>01N-03820</b>	
		Total Nitrogen, %	27.97	28
	<b>Custom blend fertilizer 12-30.67-20</b>		<b>01N-03821</b>	
		Commercial Value	118.	117.34
		Overall Index Value	101.	100
		Total Nitrogen, %	11.92	12
		Available Phosphate, %	30.85	30.67
		Soluble Potash, %	20.57	20
	<b>Dry bulk fertilizer 18-46-0</b>		<b>01N-03852</b>	
		Commercial Value	146.	146
		Overall Index Value	100.	100
		Total Nitrogen, %	18.11	18
		Available Phosphate, %	45.81	46
	<b>Dry bulk fertilizer Zinc Sulfate</b>		<b>01N-03884</b>	
		Arsenic, ug/g (ppm)	1.0	0
		Cadmium, ug/g (ppm)	23.3	0
		Sulfur, %	17.12	17.5
		Zinc, %	34.82	35.5
		Lead, ug/g (ppm)	39.7	0
		Mercury, ug/g (ppm)	<0.10	0
		Selenium, ug/g (ppm)	<0.045	0
	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-03885</b>	
		Total Nitrogen, %	46.54	46
	<b>Dry bulk fertilizer urea 46-0-0</b>		<b>01N-03987</b>	
		Total Nitrogen, %	46.58	46
	<b>Dry bulk fertilizer 18-46-0</b>		<b>01N-04007</b>	
		Commercial Value	148.	146
		Overall Index Value	101.	100
		Total Nitrogen, %	17.77	18
		Available Phosphate, %	47.39	46

Manufacturer Location	Product	Analyte	Found	Claim
	<b>Dry bulk fertilizer 11-52-0</b>		<b>01N-04197</b>	
		Commercial Value	139.	137
		Overall Index Value	101.	100
		Total Nitrogen, %	10.88	11
		Available Phosphate, %	52.94	52
	<b>Dry bulk fertilizer 0-0-60</b>		<b>01N-04198</b>	
		Soluble Potash, %	59.65	60
	<b>Dry bulk fertilizer 21-0-0-24</b>		<b>01N-04497</b>	
		Total Nitrogen, %	21.11	21
		Sulfur, %	24.40	24
	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-04597</b>	
		Total Nitrogen, %	46.40	46
	<b>Dry bulk fertilizer 0-0-60</b>		<b>01N-04598</b>	
		Soluble Potash, %	59.69	60
	<b>Dry bulk fertilizer 18-46-0</b>		<b>01N-04599</b>	
		Commercial Value	147.	146
		Overall Index Value	101.	100
		Total Nitrogen, %	17.75	18
		Available Phosphate, %	46.77	46
	<b>Dry bulk fertilizer 18-46-0</b>		<b>01N-04613</b>	
		Commercial Value	148.	146
		Overall Index Value	101.	100
		Total Nitrogen, %	18.02	18
		Available Phosphate, %	46.91	46
	<b>Dry bulk fertilizer 0-0-60</b>		<b>01N-04614</b>	
		Soluble Potash, %	60.22	60
	<b>Dry bulk fertilizer Urea 46-0-0</b>		<b>01N-05216</b>	
		Arsenic, ug/g (ppm)	<0.4	0
		Cadmium, ug/g (ppm)	0.2	0
		Total Nitrogen, %	46.81	46
		Lead, ug/g (ppm)	<0.1	0
		Mercury, ug/g (ppm)	<0.10	0
		Selenium, ug/g (ppm)	<0.045	0
	<b>Liquid fertilizer 28-0-0</b>		<b>01N-05218</b>	
		Total Nitrogen, %	28.11	28
	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-05344</b>	
		Total Nitrogen, %	46.40	46
	<b>Dry bulk fertilizer 18-46-0</b>		<b>01N-05345</b>	
		Commercial Value	145.	146
		Overall Index Value	99.5	100
		Total Nitrogen, %	17.40	18
		Available Phosphate, %	46.50	46
	<b>Dry bulk fertilizer Urea 46-0-0</b>		<b>01N-05644</b>	
		Total Nitrogen, %	46.42	46
	<b>Dry bulk fertilizer 18-46-0</b>		<b>01N-05898</b>	
		Commercial Value	147.	146
		Overall Index Value	101.	100
		Total Nitrogen, %	17.68	18
		Available Phosphate, %	46.87	46
	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-05899</b>	
		Total Nitrogen, %	46.36	46
	<b>Liquid fertilizer 28-0-0</b>		<b>01N-06267</b>	
		Total Nitrogen, %	28.53	28

Manufacturer Location	Product	Analyte	Found	Claim
	<b>Liquid fertilizer 10-34-0</b>		<b>01N-06272</b>	
		Commercial Value	97.3	98
		Overall Index Value	99.3	100
		Total Nitrogen, %	10.03	10
		Available Phosphate, %	33.61	34
	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-06478</b>	
		Total Nitrogen, %	46.39	46
	<b>Dry bulk fertilizer 21-0-0-24</b>		<b>01N-06479</b>	
		Arsenic, ug/g (ppm)	1.2	0
		Cadmium, ug/g (ppm)	0.3	0
		Total Nitrogen, %	21.11	21
		Sulfur, %	24.66	24
		Lead, ug/g (ppm)	1.1	0
		Mercury, ug/g (ppm)	<0.10	0
		Selenium, ug/g (ppm)	3.53	0
	<b>Dry bulk fertilizer 11-52-0</b>		<b>01N-06480</b>	
		Commercial Value	139.	137
		Overall Index Value	101.	100
		Total Nitrogen, %	11.06	11
		Available Phosphate, %	52.74	52
	<b>Dry bulk fertilizer 0-0-60</b>		<b>01N-06481</b>	
		Soluble Potash, %	59.42	60
	<b>Dry bulk fertilizer 46-0-0 Urea</b>		<b>01N-06553</b>	
		Total Nitrogen, %	46.41	46
	<b>Dry bulk fertilizer 18-46-0 DAP</b>		<b>01N-06554</b>	
		Commercial Value	146.	146
		Overall Index Value	100.	100
		Total Nitrogen, %	17.39	18
		Available Phosphate, %	46.95	46
	<b>Dry bulk fertilizer 11-52-0 MAP</b>		<b>01N-06555</b>	
		Commercial Value	139.	137
		Overall Index Value	101.	100
		Total Nitrogen, %	10.91	11
		Available Phosphate, %	53.06	52
<b>Agrilience, LLC</b>				
<b>St. Paul, MN</b>				
	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-00293</b>	
		Total Nitrogen, %	46.29	46
	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-03396</b>	
		Total Nitrogen, %	46.57	46
	<b>Dry bulk fertilizer 18-46-0</b>		<b>01N-03397</b>	
		Commercial Value	149.	146
		Overall Index Value	102.	100
		Total Nitrogen, %	18.05	18
		Available Phosphate, %	47.29	46
	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-03401</b>	
		Total Nitrogen, %	46.74	46
	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-03402</b>	
		Total Nitrogen, %	46.64	46
	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-03435</b>	
		Total Nitrogen, %	46.71	46
	<b>Dry bulk fertilizer 18-46-0</b>		<b>01N-03436</b>	
		Commercial Value	148.	146
		Overall Index Value	101.	100
		Total Nitrogen, %	17.72	18
		Available Phosphate, %	47.36	46

Manufacturer Location	Product	Analyte	Found	Claim
	<b>Dry bulk fertilizer 18-46-0</b>		<b>01N-03775</b>	
		Commercial Value	146.	146
		Overall Index Value	99.7	100
		Total Nitrogen, %	17.64	18
		Available Phosphate, %	46.32	46
	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-03776</b>	
		Total Nitrogen, %	46.56	46
	<b>Liquid fertilizer 10-34-0</b>		<b>01N-03778</b>	
		Commercial Value	98.4	98
		Overall Index Value	100.	100
		Total Nitrogen, %	9.99	10
		Available Phosphate, %	34.22	34
	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-03816</b>	
		Total Nitrogen, %	46.39	46
	<b>Dry bulk fertilizer 18-46-0</b>		<b>01N-03817</b>	
		Commercial Value	147.	146
		Overall Index Value	100.	100
		Total Nitrogen, %	17.69	18
		Available Phosphate, %	46.76	46
	<b>Liquid fertilizer 10-34-0</b>		<b>01N-03818</b>	
		Commercial Value	97.5	98
		Overall Index Value	99.4	100
		Total Nitrogen, %	9.78	10
		Available Phosphate, %	34.06	34
	<b>Custom blend fertilizer 36.67-15.33-0</b>		<b>01N-03819</b>	
		Commercial Value	142.	140.67
		Overall Index Value	101.	100
		Total Nitrogen, %	36.89	36.67
		Available Phosphate, %	15.73	15.33
	<b>Dry bulk fertilizer 18-46-0</b>		<b>01N-03863</b>	
		Commercial Value	146.	146
		Overall Index Value	99.8	100
		Total Nitrogen, %	17.55	18
		Available Phosphate, %	46.53	46
	<b>Liquid fertilizer 10-34-0</b>		<b>01N-03864</b>	
		Commercial Value	97.9	98
		Overall Index Value	99.9	100
		Total Nitrogen, %	9.92	10
		Available Phosphate, %	34.06	34
	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-03867</b>	
		Total Nitrogen, %	46.49	46
	<b>Dry bulk fertilizer 18-46-0</b>		<b>01N-03868</b>	
		Commercial Value	146.	146
		Overall Index Value	99.7	100
		Total Nitrogen, %	17.49	18
		Available Phosphate, %	46.52	46
	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-03870</b>	
		Total Nitrogen, %	46.48	46
	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-03872</b>	
		Total Nitrogen, %	46.43	46
	<b>Dry bulk fertilizer 18-46-0</b>		<b>01N-03873</b>	
		Commercial Value	145.	146
		Overall Index Value	99.5	100
		Total Nitrogen, %	17.74	18
		Available Phosphate, %	46.00	46

Manufacturer Location	Product	Analyte	Found	Claim
	<b>Dry bulk fertilizer 18-46-0</b>		<b>01N-03886</b>	
		Commercial Value	147.	146
		Overall Index Value	100.	100
		Total Nitrogen, %	17.76	18
		Available Phosphate, %	46.63	46
	<b>Dry bulk fertilizer 11-52-0</b>		<b>01N-03889</b>	
		Arsenic, ug/g (ppm)	18.3	0
		Cadmium, ug/g (ppm)	4.2	0
		Commercial Value	140.	137
		Overall Index Value	102.	100
		Total Nitrogen, %	11.21	11
		Available Phosphate, %	52.95	52
		Lead, ug/g (ppm)	2.9	0
		Mercury, ug/g (ppm)	<0.10	0
		Selenium, ug/g (ppm)	0.109	0
	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-03890</b>	
		Total Nitrogen, %	46.58	46
	<b>Liquid fertilizer 10-34-0</b>		<b>01N-03963</b>	
		Commercial Value	98.5	98
		Overall Index Value	100.	100
		Total Nitrogen, %	10.09	10
		Available Phosphate, %	34.11	34
	<b>Liquid fertilizer 28-0-0</b>		<b>01N-03964</b>	
		Total Nitrogen, %	28.56	28
	<b>Dry bulk fertilizer 18-46-0</b>		<b>01N-04001</b>	
		Commercial Value	145.	146
		Overall Index Value	99.6	100
		Total Nitrogen, %	17.76	18
		Available Phosphate, %	46.07	46
	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-04003</b>	
		Total Nitrogen, %	46.62	46
	<b>Dry bulk fertilizer 18-46-0</b>		<b>01N-04004</b>	
		Commercial Value	148.	146
		Overall Index Value	101.	100
		Total Nitrogen, %	18.03	18
		Available Phosphate, %	46.76	46
	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-04006</b>	
		Arsenic, ug/g (ppm)	<0.4	0
		Cadmium, ug/g (ppm)	0.2	0
		Total Nitrogen, %	46.56	46
		Lead, ug/g (ppm)	0.2	0
		Mercury, ug/g (ppm)	<0.10	0
		Selenium, ug/g (ppm)	<0.045	0
<b>Agrium Conda Phosphate Operations</b>				
<b>Soda Springs, ID</b>				
	<b>Dry bulk fertilizer Ammonium Phosphate 11-52-0</b>		<b>01N-05125</b>	
		Arsenic, ug/g (ppm)	9.8	0
		Cadmium, ug/g (ppm)	221.	0
		Commercial Value	143.	137
		Overall Index Value	104.	100
		Total Nitrogen, %	10.54	11
		Available Phosphate, %	55.72	52
		Lead, ug/g (ppm)	4.2	0
		Mercury, ug/g (ppm)	<0.10	0
		Selenium, ug/g (ppm)	0.072	0

Manufacturer Location	Product	Analyte	Found	Claim
	<b>Dry bulk fertilizer 11-52-0</b>		<b>01N-05624</b>	
		Commercial Value	136.	137
		Overall Index Value	99.3	100
		Total Nitrogen, %	10.69	11
		Available Phosphate, %	51.96	52
<b>Agrium Inc.</b>				
<b>Calgary Alberta, CN</b>				
	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-00307</b>	
		Total Nitrogen, %	46.31	46
	<b>Dry bulk fertilizer 0-0-60</b>		<b>01N-04203</b>	
		Soluble Potash, %	60.68	60
	<b>Dry bulk fertilizer 0-0-60</b>		<b>01N-04607</b>	
		Soluble Potash, %	60.05	60
<b>Agrium U.S., Inc</b>				
<b>Denver, CO</b>				
	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-02922</b>	
		Total Nitrogen, %	46.65	46
	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-03542</b>	
		Total Nitrogen, %	46.57	46
	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-04201</b>	
		Total Nitrogen, %	46.26	46
<b>Agrium US Inc.</b>				
<b>Carseland AB, CN</b>				
	<b>Dry bulk fertilizer urea 46-0-0 bin 3</b>		<b>01N-05621</b>	
		Total Nitrogen, %	46.66	46
<b>Agrium US Inc.</b>				
<b>Redwater, Alberta, CN</b>				
	<b>Dry bulk fertilizer 20.5-0-0-24 Ammonium Sulfate Bin 4</b>		<b>01N-05623</b>	
		Arsenic, ug/g (ppm)	<0.4	0
		Cadmium, ug/g (ppm)	0.2	0
		Total Nitrogen, %	20.54	20.5
		Sulfur, %	24.90	24
		Lead, ug/g (ppm)	0.1	0
		Mercury, ug/g (ppm)	<0.10	0
		Selenium, ug/g (ppm)	<0.045	0
<b>AH Hoffman Inc</b>				
<b>Lancaster, PA</b>				
	<b>Ace Tomato and Vegetable Food 8-10-8</b>		<b>01N-03356</b>	
		Commercial Value	67.4	52
		Overall Index Value	130.	100
		Total Nitrogen, %	9.87	8
		Available Phosphate, %	14.13	10
		Soluble Potash, %	9.49	8
<b>Aim Lawn &amp; Garden Products</b>				
<b>Avon Lake, OH</b>				
	<b>Scenic Green Weed and Feed 17-2-3</b>		<b>01N-03684</b>	
		Commercial Value	65.1	58
		Overall Index Value	112.	100
		Total Nitrogen, %	16.54	17
		Available Phosphate, %	4.84	2
		Soluble Potash, %	5.77	3



Manufacturer Location	Product	Analyte	Found	Claim	
<b>Alljack St. Louis, MO</b>					
	<b>Gro Best Rose Food Water Soluble 18-24-16</b>		<b>01N-03217</b>		
		Arsenic, ug/g (ppm)	0.4	0	
		Cadmium, ug/g (ppm)	0.3	0	
		Commercial Value	128.	118	
		Overall Index Value	109.	100	
		Total Nitrogen, %	19.87	18	
		Available Phosphate, %	25.83	24	
		Soluble Potash, %	17.22	16	
		Lead, ug/g (ppm)	0.4	0	
		Mercury, ug/g (ppm)	<0.10	0	
		Selenium, ug/g (ppm)	<0.045	0	
	<b>Gro Best Tomato Food 18-18-21</b>		<b>01N-03219</b>		
		Commercial Value	117.	111	
		Overall Index Value	106.	100	
		Total Nitrogen, %	19.76	18	
		Available Phosphate, %	18.29	18	
		Soluble Potash, %	21.46	21	
<b>Am Turf R Bradley, MI</b>					
	<b>Am Turf R Wild Flowers W/Jobes Fertilizer</b>		<b>01N-03374</b>		
		Commercial Value	8.1	3	
		Overall Index Value	271.	100	
		Total Nitrogen, %	1.99	0.5	
		Available Phosphate, %	0.72	0.5	
		Soluble Potash, %	0.73	0.5	
<b>American Plant Food Co. Creve Coeur, MO</b>					
	<b>Sams Choice Deep Feeding All Purpose Plant Food</b>		<b>01N-09275</b>		
		Commercial Value	132.	120	
		Overall Index Value	110.	100	
		Total Nitrogen, %	16.66	15	
		Available Phosphate, %	32.56	30	
		Soluble Potash, %	16.65	15	
<b>Andersons (The) Lawn Fert Div Maumee, OH</b>					
	<b>*** Lawn Food Sam's Choice 29-3-4</b>		<b>01N-03424</b>		
		Commercial Value	88.7	97	
		Overall Index Value	97.5	100	DEFICIENT
		Total Nitrogen, %	27.70	29	DEFICIENT
		Available Phosphate, %	3.36	3	
		Soluble Potash, %	4.33	4	
<b>Arlington Farmers Elevator Arlington, SD</b>					
	<b>*** Custom blend fertilizer 31.79-12.19-7.95</b>		<b>01N-03883</b>		
		Commercial Value	125.	127.7	
		Overall Index Value	98.2	100	
		Total Nitrogen, %	29.89	31.79	DEFICIENT
		Available Phosphate, %	12.53	12.19	
		Soluble Potash, %	10.82	7.95	
	<b>*** Custom blend fertilizer 27.9-10.1-15.7</b>		<b>01N-03887</b>		
		Commercial Value	113.	119.5	
		Overall Index Value	94.6	100	DEFICIENT
		Total Nitrogen, %	24.02	27.85	DEFICIENT
		Available Phosphate, %	9.90	10.1	
		Soluble Potash, %	20.26	15.7	

Manufacturer Location	Product	Analyte	Found	Claim	
<b>Bayer-Pursell LLC.</b>					
<b>Birmingham, AL</b>					
	<b>Bayer Advanced Garden 2 in 1 Plant Spikes</b>		<b>01N-09273</b>		
		Commercial Value	52.3	51	
		Overall Index Value	103.	100	
		Magnesium, %	1.11	1	
		Total Nitrogen, %	8.27	8	
		Available Phosphate, %	10.86	11	
		Soluble Potash, %	5.81	5	
<b>BCA Products</b>					
<b>Sleepy Eye, MN</b>					
	<b>Garden Fertilizer 10-10-10</b>		<b>01N-03310</b>		
		Arsenic, ug/g (ppm)	2.0	0	
		Cadmium, ug/g (ppm)	0.9	0	
		Commercial Value	63.2	60	
		Overall Index Value	105.	100	
		Total Nitrogen, %	10.90	10	
		Available Phosphate, %	10.30	10	
		Soluble Potash, %	9.85	10	
		Lead, ug/g (ppm)	1.2	0	
		Mercury, ug/g (ppm)	<0.10	0	
		Selenium, ug/g (ppm)	0.062	0	
<b>Beresford Farmers Coop Elevator</b>					
<b>Beresford, SD</b>					
	<b>Custom blend fertilizer 27.28-9-11.03</b>		<b>01N-04196</b>		
		Commercial Value	123.	110.87	
		Overall Index Value	111.	100	
		Total Nitrogen, %	26.75	27.28	
		Available Phosphate, %	16.22	9	
		Soluble Potash, %	11.20	11.03	
<b>Big Green Inc</b>					
<b>Mitchell, SD</b>					
	<b>Custom blend fertilizer 39.98-9.89-0</b>		<b>01N-04977</b>		
		Commercial Value	140.	139.72	
		Overall Index Value	99.8	100	
		Total Nitrogen, %	39.76	39.98	
		Available Phosphate, %	10.11	9.89	
<b>Calcium Products Inc.</b>					
<b>Gilmore City, IA</b>					
	<b>*** Dry bulk fertilizer SO4 CalSul</b>		<b>01N-04609</b>		
		Arsenic, ug/g (ppm)	0.9	0	
		Cadmium, ug/g (ppm)	0.4	0	
		Calcium, %	19.07	23	DEFICIENT
		Sulfur, %	15.97	17	DEFICIENT
		Lead, ug/g (ppm)	1.8	0	
		Mercury, ug/g (ppm)	<0.10	0	
		Selenium, ug/g (ppm)	0.049	0	
<b>Cargill Fertilizer Inc</b>					
<b>Riverview, FL</b>					
	<b>Dry bulk fertilizer 10-50-0</b>		<b>01N-03399</b>		
		Commercial Value	137.	130	
		Overall Index Value	105.	100	
		Total Nitrogen, %	10.68	10	
		Available Phosphate, %	52.29	50	

Manufacturer Location	Product	Analyte	Found	Claim	
	<b>Dry bulk fertilizer 10-50-0</b>		<b>01N-03858</b>		
		Commercial Value	133.	130	
		Overall Index Value	102.	100	
		Total Nitrogen, %	10.50	10	
		Available Phosphate, %	50.77	50	
	<b>Dry bulk fertilizer 10-50-0</b>		<b>01N-05415</b>		
		Commercial Value	137.	130	
		Overall Index Value	106.	100	
		Total Nitrogen, %	10.66	10	
		Available Phosphate, %	52.70	50	
	<b>Dry bulk fertilizer 10-50-0 Phosphate</b>		<b>01N-05634</b>		
		Commercial Value	140.	130	
		Overall Index Value	107.	100	
		Total Nitrogen, %	11.20	10	
		Available Phosphate, %	53.03	50	
	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-08690</b>		
		Total Nitrogen, %	46.50	46	
	<b>Dry bulk fertilizer 10-50-0</b>		<b>01N-10723</b>		
		Commercial Value	138.	130	
		Overall Index Value	106.	100	
		Total Nitrogen, %	10.95	10	
		Available Phosphate, %	52.43	50	
<b>Cargill Inc. Savage, MN</b>					
	<b>Dry bulk fertilizer 10-50-0</b>		<b>01N-03983</b>		
		Arsenic, ug/g (ppm)	10.0	0	
		Cadmium, ug/g (ppm)	4.7	0	
		Commercial Value	137.	130	
		Overall Index Value	106.	100	
		Total Nitrogen, %	11.06	10	
		Available Phosphate, %	52.04	50	
		Lead, ug/g (ppm)	3.5	0	
		Mercury, ug/g (ppm)	<0.10	0	
		Selenium, ug/g (ppm)	0.130	0	
<b>Cenex Wolsey, SD</b>					
	<b>** Liquid fertilizer 10-34-0</b>		<b>01N-00292</b>		
		Commercial Value	93.7	98	
		Overall Index Value	95.6	100	DEFICIENT
		Total Nitrogen, %	15.25	10	
		Available Phosphate, %	24.03	34	DEFICIENT
<b>Cenex/Land O Lakes St. Paul, MN</b>					
	<b>Liquid fertilizer 10-34-0</b>		<b>01N-03865</b>		
		Commercial Value	98.6	98	
		Overall Index Value	101.	100	
		Total Nitrogen, %	10.17	10	
		Available Phosphate, %	34.07	34	
<b>Cenex/Land O Lakes Ag Services Bismarck, ND</b>					
	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-03362</b>		
		Total Nitrogen, %	46.72	46	

Manufacturer Location	Product	Analyte	Found	Claim	
<b>Centennial Ag Supply Company</b>					
<b>Kersey, CO</b>					
	<b>*** Liquid fertilizer &amp; herbicide use dilution custom mix</b>		<b>01N-03592</b>		
		Commercial Value	18.0	63	
		Overall Index Value	28.6	100	DEFICIENT
		Total Nitrogen, %	4.97	18	DEFICIENT
		Available Phosphate, %	1.28	3.6	DEFICIENT
		Soluble Potash, %	0.64	1.8	DEFICIENT
	<b>*** Centennial Ag Supply Fert. 18-3.6-1.8</b>		<b>01N-03593</b>		
		Commercial Value	61.6	63	
		Overall Index Value	97.7	100	DEFICIENT
		Total Nitrogen, %	16.87	18	DEFICIENT
		Available Phosphate, %	4.40	3.6	
		Soluble Potash, %	2.15	1.8	
	<b>*** Liquid base fertilizer 18-1.8-3.6</b>		<b>01N-07335</b>		
		Commercial Value	62.2	61.2	
		Overall Index Value	102.	100	
		Total Nitrogen, %	17.61	18	
		Available Phosphate, %	3.63	1.8	
		Soluble Potash, %	2.04	3.6	DEFICIENT
<b>CF Industries Inc</b>					
<b>Long Grove, IL</b>					
	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-03394</b>		
		Total Nitrogen, %	46.67	46	
	<b>Dry bulk fertilizer 18-46-00</b>		<b>01N-03395</b>		
		Commercial Value	147.	146	
		Overall Index Value	100.	100	
		Total Nitrogen, %	17.79	18	
		Available Phosphate, %	46.60	46	
	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-04612</b>		
		Total Nitrogen, %	46.35	46	
	<b>Dry bulk fertilizer 18-46-0</b>		<b>01N-04941</b>		
		Commercial Value	146.	146	
		Overall Index Value	100.	100	
		Total Nitrogen, %	18.40	18	
		Available Phosphate, %	45.45	46	
<b>Chevron Chemical Company</b>					
<b>San Francisco, CA</b>					
	<b>Ortho Vegetable Garden Food 5-10-10</b>		<b>01N-00134</b>		
		Commercial Value	46.5	45	
		Overall Index Value	103.	100	
		Total Nitrogen, %	5.10	5	
		Available Phosphate, %	9.56	10	
		Soluble Potash, %	12.06	10	
<b>Clark Community Oil Co.</b>					
<b>Clark, SD</b>					
	<b>Custom blend fertilizer 35.95-11.98-3.59</b>		<b>01N-03598</b>		
		Commercial Value	135.	135.4	
		Overall Index Value	99.6	100	
		Total Nitrogen, %	35.38	35.95	
		Available Phosphate, %	11.71	11.98	
		Soluble Potash, %	5.39	3.59	
<b>Coastal Chemical Inc</b>					
<b>Cheyenne, WY</b>					
	<b>Dry bulk fertilizer 34-0-0</b>		<b>01N-04099</b>		
		Total Nitrogen, %	34.97	34	

Manufacturer Location	Product	Analyte	Found	Claim	
	<b>Dry bulk fertilizer Ammonium Nitrate 34-0-0</b>		<b>01N-05622</b>		
		Total Nitrogen, %	34.80	34	
<b>Cone Ag Service Pierre, SD</b>	<b>Custom blend fertilizer</b>		<b>01N-03541</b>		
		Commercial Value	140.		
		Total Nitrogen, %	35.13		
		Available Phosphate, %	17.07		
	<b>Liquid fertilizer 10-34-0</b>		<b>01N-03590</b>		
		Commercial Value	98.4	98	
		Overall Index Value	100.	100	
		Total Nitrogen, %	10.29	10	
		Available Phosphate, %	33.74	34	
	<b>Liquid fertilizer 10-34-0</b>		<b>01N-04101</b>		
		Commercial Value	98.1	98	
		Overall Index Value	100.	100	
		Total Nitrogen, %	9.88	10	
		Available Phosphate, %	34.23	34	
	<b>Liquid fertilizer 10-34-0</b>		<b>01N-05617</b>		
		Commercial Value	98.8	98	
		Overall Index Value	101.	100	
		Total Nitrogen, %	10.34	10	
		Available Phosphate, %	33.91	34	
<b>Cooperative Agronomy Services Groton, SD</b>	<b>Dry bulk fertilizer Urea 46-0-0</b>		<b>01N-04182</b>		
		Total Nitrogen, %	46.46	46	
<b>Country Partners Cooperative Sisseton, SD</b>	<b>Custom blend fertilizer 37.54-0-11.04</b>		<b>01N-03962</b>		
		Commercial Value	124.	123.66	
		Overall Index Value	100.	100	
		Total Nitrogen, %	37.55	37.54	
		Soluble Potash, %	11.33	11.04	
<b>Cropmate Company Pekin, IL</b>	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-04998</b>		
		Total Nitrogen, %	46.46	46	
	<b>Dry bulk fertilizer 0-0-61</b>		<b>01N-05416</b>		
		Arsenic, ug/g (ppm)	<0.4	0	
		Cadmium, ug/g (ppm)	0.2	0	
		Soluble Potash, %	60.22	61	
		Lead, ug/g (ppm)	0.2	0	
		Mercury, ug/g (ppm)	<0.10	0	
		Selenium, ug/g (ppm)	<0.045	0	
<b>Dakota Diamond St. Lawrence, SD</b>	<b>*** Dry bulk fertilizer 13-10-5</b>		<b>01N-09104</b>		
		Calcium, %	4.12	4	
		Commercial Value	63.5	64	
		Overall Index Value	99.2	100	
		Total Nitrogen, %	13.21	13	
		Available Phosphate, %	10.00	10	
		Soluble Potash, %	4.07	5	
		Sulfur, %	18.44	17	DEFICIENT

Manufacturer Location	Product	Analyte	Found	Claim
<b>Dakota Gasification Company</b>				
<b>Beulah, ND</b>				
	<b>Dry bulk fertilizer 21-0-0-24</b>		<b>01N-03860</b>	
		Total Nitrogen, %	21.02	21
		Sulfur, %	24.46	24
<b>Dakota Gasification Company</b>				
<b>Englewood, CO</b>				
	<b>Dry bulk fertilizer 21-0-0-24</b>		<b>01N-03548</b>	
		Total Nitrogen, %	21.18	21
		Sulfur, %	24.68	24
<b>Dakota Mill &amp; Grain</b>				
<b>Fort Pierre, SD</b>				
	<b>Dry bulk fertilizer 18-46-0</b>		<b>01N-05212</b>	
		Commercial Value	148.	146
		Overall Index Value	101.	100
		Total Nitrogen, %	17.92	18
		Available Phosphate, %	47.14	46
<b>Dakota Mill and Grain</b>				
<b>Presho, SD</b>				
	<b>Dry bulk fertilizer urea 46-0-0</b>		<b>01N-05213</b>	
		Total Nitrogen, %	46.19	46
<b>Dakota Plains (Cargill)</b>				
<b>Tripp,</b>				
	<b>Dry bulk fertilizer 18-46-0</b>		<b>01N-04997</b>	
		Commercial Value	149.	146
		Overall Index Value	102.	100
		Total Nitrogen, %	18.01	18
		Available Phosphate, %	47.42	46
<b>Dakota Plains Ag Ctr</b>				
<b>Parkston, SD</b>				
	<b>Dry bulk fertilizer 18-46-0</b>		<b>01N-04495</b>	
		Commercial Value	147.	146
		Overall Index Value	101.	100
		Total Nitrogen, %	17.87	18
		Available Phosphate, %	46.88	46
	<b>Dry bulk fertilizer 11-52-0</b>		<b>01N-05247</b>	
		Commercial Value	140.	137
		Overall Index Value	102.	100
		Total Nitrogen, %	11.18	11
		Available Phosphate, %	53.12	52
	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-05248</b>	
		Total Nitrogen, %	46.43	46
<b>De Bruce Fertilizer Inc.</b>				
<b>St. Louis, MO</b>				
	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-04942</b>	
		Total Nitrogen, %	46.69	46
<b>DeBoer Ag Service</b>				
<b>Oral, SD</b>				
	<b>Liquid fertilizer UAN 28-0-0</b>		<b>01N-02906</b>	
		Total Nitrogen, %	27.88	28

Manufacturer Location	Product	Analyte	Found	Claim		
DeBruce Fertilizer, Inc. Kansas City, MO	Dry bulk fertilizer 46-0-0		<b>01N-05001</b>			
		Total Nitrogen, %	46.58	46		
Domestic Fertilizer Inc Paris, KY	Tree Food Stakes		<b>01N-05770</b>			
		Commercial Value	75.4	65		
		Overall Index Value	116.	100		
		Total Nitrogen, %	16.81	15		
		Available Phosphate, %	8.71	7		
		Soluble Potash, %	7.52	6		
Eastern Farmers Coop Hurley, SD	Custom blend fertilizer 11.39-29.1-22.05		<b>01N-04494</b>			
		Commercial Value	116.	114.42		
		Overall Index Value	101.	100		
		Total Nitrogen, %	11.42	11.39		
		Available Phosphate, %	29.72	29.1		
		Soluble Potash, %	21.91	22.05		
Easy Gardener Waco, TX	Jobes Plant Food Spikes		<b>01N-03162</b>			
		Commercial Value	63.4	54		
		Overall Index Value	118.	100		
		Total Nitrogen, %	12.08	10		
		Available Phosphate, %	10.89	10		
		Soluble Potash, %	5.43	4		
	Ross Root Feeder 25-10-10		<b>01N-09264</b>			
		Commercial Value	115.	105		
		Overall Index Value	110.	100		
		Total Nitrogen, %	26.91	25		
		Available Phosphate, %	11.64	10		
		Soluble Potash, %	11.15	10		
		Easy Gardener Inc. Paris, KY	*** Jobs Fert. Spikes 16-4-4		<b>01N-08787</b>	
				Chlorine, %	5.98	4
Commercial Value	65.4			60		
Overall Index Value	109.			100		
Total Nitrogen, %	16.62			16		
Available Phosphate, %	4.22			4		
Soluble Potash, %	7.09			4		
Eau Claire Coop Oil Company Eau Claire, WI	Mennards Premium Crabgrass Preventor		<b>01N-03164</b>			
		Commercial Value	95.2	90		
		Overall Index Value	106.	100		
		Total Nitrogen, %	27.33	26		
		Available Phosphate, %	2.45	2		
		Soluble Potash, %	8.27	8		

<b>Manufacturer Location</b>	<b>Product</b>	<b>Analyte</b>	<b>Found</b>	<b>Claim</b>
	<b>Forever Green Lawn Builder Weed and Feed</b>		<b>01N-09531</b>	
		Commercial Value	88.4	89
		Iron, %	1.21	1
		Overall Index Value	99.3	100
		Total Nitrogen, %	25.46	26
		Available Phosphate, %	3.07	3
		Soluble Potash, %	5.84	5
		Sulfur, %	2.23	1
	<b>Forever Green Lawn Builder Weed and Feed</b>		<b>01N-09537</b>	
		Commercial Value	96.2	89
		Iron, %	0.92	1
		Overall Index Value	108.	100
		Total Nitrogen, %	27.93	26
		Available Phosphate, %	3.57	3
		Soluble Potash, %	5.31	5
		Sulfur, %	2.56	1
<b>Estelline Coop Grain</b>				
<b>Estelline, SD</b>				
	<b>Custom blend fertilizer 30.8-15.43-7.57</b>		<b>01N-03777</b>	
		Commercial Value	131.	130.83
		Overall Index Value	100.	100
		Total Nitrogen, %	30.40	30.8
		Available Phosphate, %	15.85	15.43
		Soluble Potash, %	8.41	7.57
<b>Farmers Co-op Assc.</b>				
<b>Wilmot, SD</b>				
	<b>Custom blend fertilizer 35.02-18.04-0</b>		<b>01N-03961</b>	
		Commercial Value	144.	141.14
		Overall Index Value	102.	100
		Total Nitrogen, %	35.59	35.02
		Available Phosphate, %	18.68	18.04
<b>Farmers Coop Elevator</b>				
<b>New Effington, SD</b>				
	<b>Custom blend fertilizer 35.03-18.03-0</b>		<b>01N-04005</b>	
		Commercial Value	143.	141.15
		Overall Index Value	101.	100
		Total Nitrogen, %	35.99	35.03
		Available Phosphate, %	17.37	18.03
<b>Farmers Coop Oil</b>				
<b>White Lake, SD</b>				
	<b>Custom blend fertilizer 35.94-16.53-0</b>		<b>01N-03850</b>	
		Commercial Value	143.	140.88
		Overall Index Value	102.	100
		Total Nitrogen, %	36.46	35.94
		Available Phosphate, %	17.02	16.53
<b>Farmers Elevator</b>				
<b>Colfax, ND</b>				
	<b>Dry bulk fertilzier 46-0-0</b>		<b>01N-04499</b>	
		Total Nitrogen, %	46.37	46
<b>Farmers Plant Food Inc</b>				
<b>Garretson, SD</b>				
	<b>Liquid fertilizer 10-34-0</b>		<b>01N-03400</b>	
		Commercial Value	96.4	98
		Overall Index Value	98.4	100
		Total Nitrogen, %	9.80	10
		Available Phosphate, %	33.50	34



Manufacturer Location	Product	Analyte	Found	Claim	
	<b>Liquid fertilizer 28-0-0</b>		<b>01N-03888</b>		
		Total Nitrogen, %	28.02	28	
	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-04606</b>		
		Total Nitrogen, %	46.45	46	
	<b>Liquid fertilizer 10-34-0</b>		<b>01N-05244</b>		
		Commercial Value	96.8	98	
		Overall Index Value	98.8	100	
		Total Nitrogen, %	9.83	10	
		Available Phosphate, %	33.66	34	
	<b>Liquid fertilizer 28-0-0</b>		<b>01N-05245</b>		
		Arsenic, ug/g (ppm)	<0.4	0	
		Cadmium, ug/g (ppm)	0.5	0	
		Total Nitrogen, %	27.66	28	
		Lead, ug/g (ppm)	1.8	0	
		Mercury, ug/g (ppm)	<0.10	0	
		Selenium, ug/g (ppm)	<0.045	0	
	<b>Liquid fertilizer 10-34-0</b>		<b>01N-06556</b>		
		Commercial Value	98.1	98	
		Overall Index Value	100.	100	
		Total Nitrogen, %	10.03	10	
		Available Phosphate, %	33.99	34	
	<b>Liquid fertilizer 28-0-0</b>		<b>01N-06634</b>		
		Total Nitrogen, %	28.10	28	
	<b>Liquid fertilizer 10-34-0</b>		<b>01N-06635</b>		
		Commercial Value	98.7	98	
		Overall Index Value	101.	100	
		Total Nitrogen, %	9.96	10	
		Available Phosphate, %	34.41	34	
<b>Farmers Plant Food Inc</b>					
<b>Wolsey, SD</b>					
	<b>Liquid fertilizer 28-0-0</b>		<b>01N-03989</b>		
		Total Nitrogen, %	28.25	28	
	<b>Liquid fertilizer 32-0-0</b>		<b>01N-03990</b>		
		Total Nitrogen, %	32.11	32	
	<b>Liquid fertizer 10-34-0</b>		<b>01N-03991</b>		
		Commercial Value	98.1	98	
		Overall Index Value	100.	100	
		Total Nitrogen, %	9.91	10	
		Available Phosphate, %	34.19	34	
	<b>Liquid fertilizer 12-0-0-26</b>		<b>01N-03992</b>		
		Total Nitrogen, %	11.78	12	
		Sulfur, %	26.09	26	
<b>Farmers Union</b>					
<b>Faulkton, SD</b>					
	<b>*** Custom blend fertilizer 30.02-15.44-8.57</b>		<b>01N-04181</b>		
		Commercial Value	120.	129.45	
		Overall Index Value	97.5	100	DEFICIENT
		Total Nitrogen, %	29.59	30.02	
		Available Phosphate, %	12.82	15.44	DEFICIENT
		Soluble Potash, %	12.17	8.51	
	<b>*** Custom blend fertilizer 39.5-10.6-0</b>		<b>01N-04186</b>		
		Commercial Value	145.	139.8	
		Overall Index Value	104.	100	
		Total Nitrogen, %	36.69	39.53	DEFICIENT
		Available Phosphate, %	17.44	10.61	

Manufacturer Location	Product	Analyte	Found	Claim	
	<b>*** Custom blend fertilizer 35.03-18-0</b>		<b>01N-04187</b>		
		Commercial Value	143.	141.09	
		Overall Index Value	101.	100	
		Total Nitrogen, %	33.80	35.03	DEFICIENT
		Available Phosphate, %	20.57	18	
<b>Farmers Union Oil Company Pierpont, SD</b>					
	<b>*** Custom blend fertilizer 14.04-35.88-13.2</b>		<b>01N-04000</b>		
		Commercial Value	132.	127.08	
		Overall Index Value	104.	100	
		Total Nitrogen, %	14.96	14.04	
		Available Phosphate, %	38.20	35.88	
		Soluble Potash, %	10.24	13.2	DEFICIENT
<b>Farmland OLathe, KS</b>					
	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-08698</b>		
		Total Nitrogen, %	46.38	46	
<b>Farmland Industries Lawrence, KS</b>					
	<b>Dry bulk fertilizer 11-52-0</b>		<b>01N-10210</b>		
		Commercial Value	139.	137	
		Overall Index Value	101.	100	
		Total Nitrogen, %	10.80	11	
		Available Phosphate, %	53.07	52	
<b>Florence Farmers Elevator Florence, SD</b>					
	<b>*** Custom blend fertilizer 35.08-17.94-0</b>		<b>01N-03837</b>		
		Commercial Value	143.	141.12	
		Overall Index Value	101.	100	
		Total Nitrogen, %	36.36	35.08	
		Available Phosphate, %	16.67	17.94	DEFICIENT
<b>Free Flow Fertilizer Maumee, OH</b>					
	<b>American Green TM Lawn Food 29-3-4</b>		<b>01N-03382</b>		
		Chlorine, %	3.13	3.3	
		Commercial Value	100.	97	
		Overall Index Value	103.	100	
		Total Nitrogen, %	29.53	29	
		Available Phosphate, %	3.44	3	
		Soluble Potash, %	4.54	4	
	<b>American Green Lawn Food 29-3-4</b>		<b>01N-03475</b>		
		Chlorine, %	3.60	3.3	
		Commercial Value	97.4	97	
		Overall Index Value	100.	100	
		Total Nitrogen, %	28.68	29	
		Available Phosphate, %	3.31	3	
		Soluble Potash, %	4.76	4	
<b>Fremar Farmers Coop Inc Marion, SD</b>					
	<b>*** Custom blend fertilizer 34-13-4</b>		<b>01N-04498</b>		
		Commercial Value	123.	132	
		Overall Index Value	104.	100	
		Total Nitrogen, %	31.59	34	DEFICIENT
		Available Phosphate, %	18.70	13	
		Soluble Potash, %	4.63	4	

Manufacturer Location	Product	Analyte	Found	Claim	
<b>Gro Tec Inc Madison, GA</b>					
	<b>*** Tree and Shrub Fert Spikes 16-10-9</b>		<b>01N-03423</b>		
		Chlorine, %	9.08	9	
		Commercial Value	79.6	77	
		Overall Index Value	103.	100	
		Total Nitrogen, %	16.53	16	
		Available Phosphate, %	9.09	10	DEFICIENT
		Soluble Potash, %	11.63	9	
<b>Growing Markets, Inc. West Des Moines, IA</b>					
	<b>*** Glorious Gardens Evergreen Food 9-15-12</b>		<b>01N-03583</b>		
		Commercial Value	67.6	69	
		Overall Index Value	98.0	100	
		Total Nitrogen, %	8.80	9	
		Available Phosphate, %	15.70	15	
		Soluble Potash, %	10.17	12	DEFICIENT
<b>Hamlin County Farmers Coop Hayti, SD</b>					
	<b>Custom blend fertilizer 35.08-17.94-0</b>		<b>01N-03771</b>		
		Commercial Value	143.	141.12	
		Overall Index Value	101.	100	
		Total Nitrogen, %	34.43	35.08	
		Available Phosphate, %	19.84	17.94	
<b>Harvest States Coop Claire City, SD</b>					
	<b>*** Custom blend fertilizer 35.03-18.03-0</b>		<b>01N-04002</b>		
		Commercial Value	143.	141.15	
		Overall Index Value	101.	100	
		Total Nitrogen, %	32.39	35.03	DEFICIENT
		Available Phosphate, %	22.93	18.03	
<b>Helana Chemical Co. Bassett, NE</b>					
	<b>Liquid fertilizer 32-0-0</b>		<b>01N-05642</b>		
		Total Nitrogen, %	33.07	32	
	<b>Liquid fertilizer 10-34-0</b>		<b>01N-05643</b>		
		Commercial Value	97.9	98	
		Overall Index Value	99.9	100	
		Total Nitrogen, %	10.27	10	
		Available Phosphate, %	33.54	34	
<b>Howard Johnsons Enterprises Inc Milwaukee, WI</b>					
	<b>Weed and Feed Fertilizer 10-6-4</b>		<b>01N-00136</b>		
		Commercial Value	48.1	46	
		Overall Index Value	105.	100	
		Total Nitrogen, %	10.32	10	
		Available Phosphate, %	6.66	6	
		Soluble Potash, %	3.84	4	
	<b>Hardware Hank Turf Food 28-3-4</b>		<b>01N-03375</b>		
		Commercial Value	96.2	94	
		Iron, %	1.26	1	
		Overall Index Value	102.	100	
		Total Nitrogen, %	28.20	28	
		Available Phosphate, %	3.84	3	
		Soluble Potash, %	3.94	4	
		Sulfur, %	3.36	2.94	

Manufacturer Location	Product	Analyte	Found	Claim	
	<b>Rose Food</b>		<b>01N-03582</b>		
		Chlorine, %	11.89	12.5	
		Commercial Value	102.	118	
		Overall Index Value	114.	100	
		Total Nitrogen, %	21.77	18	
		Available Phosphate, %	25.79	24	
		Soluble Potash, %	21.89	16	
	<b>Hardware Hank Weed and Feed Plus 26-3-4</b>		<b>01N-03584</b>		
		Commercial Value	89.5	88	
		Overall Index Value	102.	100	
		Total Nitrogen, %	26.24	26	
		Available Phosphate, %	3.14	3	
		Soluble Potash, %	4.53	4	
	<b>*** Hardware Hank Prevents Crabgrass</b>		<b>01N-03585</b>		
		Chlorine, %	5.90	4	EXCESSIVE
		Commercial Value	89.0	83	
		Overall Index Value	107.	100	
		Total Nitrogen, %	24.82	23	
		Available Phosphate, %	3.54	3	
		Soluble Potash, %	7.48	8	
		Sulfur, %	1.96	2	
	<b>*** Hardware Hank All Purpose Fertilizer 10-10-10</b>		<b>01N-03588</b>		
		Arsenic, ug/g (ppm)	2.5	0	
		Cadmium, ug/g (ppm)	0.8	0	
		Commercial Value	54.4	60	
		Overall Index Value	90.7	100	DEFICIENT
		Total Nitrogen, %	8.94	10	DEFICIENT
		Available Phosphate, %	8.55	10	DEFICIENT
		Soluble Potash, %	10.16	10	
		Lead, ug/g (ppm)	0.5	0	
		Mercury, ug/g (ppm)	<0.10	0	
		Selenium, ug/g (ppm)	<0.045	0	
	<b>*** Howard Johnsons All Purpose Garden Food 5-10-5</b>		<b>01N-04018</b>		
		Commercial Value	31.5	40	
		Overall Index Value	78.8	100	DEFICIENT
		Total Nitrogen, %	4.19	5	DEFICIENT
		Available Phosphate, %	7.03	10	DEFICIENT
		Soluble Potash, %	5.01	5	
	<b>*** Rose Food</b>		<b>01N-05772</b>		
		Chlorine, %	4.79	6	
		Commercial Value	36.6	39	
		Iron, %	1.13	1	
		Overall Index Value	93.7	100	DEFICIENT
		Total Nitrogen, %	4.70	5	
		Available Phosphate, %	7.94	9	DEFICIENT
		Soluble Potash, %	6.54	6	
	<b>*** All Puposé Garden Food 5-10-5</b>		<b>01N-05773</b>		
		Chlorine, %	4.03	3	EXCESSIVE
		Commercial Value	41.3	40	
		Overall Index Value	103.	100	
		Total Nitrogen, %	5.18	5	
		Available Phosphate, %	10.32	10	
		Soluble Potash, %	5.09	5	

Manufacturer Location	Product	Analyte	Found	Claim
	<b>Lawn Builder Plus Crabgrass Preventer</b>		<b>01N-06275</b>	
		Chlorine, %	2.96	3
		Commercial Value	83.9	84
		Overall Index Value	99.8	100
		Total Nitrogen, %	24.51	25
		Available Phosphate, %	3.32	3
		Soluble Potash, %	3.70	3
		Sulfur, %	1.75	1.6
	<b>Howard Johnson Turf Food 24-2-3</b>		<b>01N-08974</b>	
		Commercial Value	80.9	79
		Overall Index Value	102.	100
		Total Nitrogen, %	24.25	24
		Available Phosphate, %	2.73	2
		Soluble Potash, %	2.68	3
	<b>Howard Johnson's Weed and Feed 20-0-0</b>		<b>01N-08975</b>	
		Total Nitrogen, %	20.61	20
	<b>Blood Meal 12-0-0</b>		<b>01N-09479</b>	
		Total Nitrogen, %	14.73	12
	<b>Bone Meal 3-6-0</b>		<b>01N-09480</b>	
		Commercial Value	42.1	21
		Overall Index Value	201.	100
		Total Nitrogen, %	5.86	3
		Available Phosphate, %	12.27	6
<b>IMC Kalium Canada</b>				
<b>Regina, Saskatchewan, CA</b>				
	<b>Dry bulk fertilizer 0-0-60</b>		<b>01N-03547</b>	
		Arsenic, ug/g (ppm)	<0.4	0
		Cadmium, ug/g (ppm)	0.2	0
		Soluble Potash, %	59.77	60
		Lead, ug/g (ppm)	0.2	0
		Mercury, ug/g (ppm)	<0.10	0
		Selenium, ug/g (ppm)	<0.045	0
<b>IMC Kalium Ltd.</b>				
<b>Deerfield, IL</b>				
	<b>Dry bulk fertilizer 0-45-0</b>		<b>01N-03597</b>	
		Available Phosphate, %	48.74	45
<b>IMC USA Inc.</b>				
<b>Lake Forest, IL</b>				
	<b>Dry bulk fertilizer 0-0-62</b>		<b>01N-02921</b>	
		Soluble Potash, %	61.43	62
	<b>Dry bulk fertilizer 18-46-0</b>		<b>01N-02923</b>	
		Commercial Value	149.	146
		Overall Index Value	102.	100
		Total Nitrogen, %	18.03	18
		Available Phosphate, %	47.60	46
	<b>Dry bulk fertilizer 18-46-0</b>		<b>01N-04202</b>	
		Commercial Value	148.	146
		Overall Index Value	102.	100
		Total Nitrogen, %	17.95	18
		Available Phosphate, %	47.26	46
	<b>Dry bulk fertilizer 11-52-0</b>		<b>01N-04608</b>	
		Commercial Value	139.	137
		Overall Index Value	102.	100
		Total Nitrogen, %	11.07	11
		Available Phosphate, %	53.14	52

Manufacturer Location	Product	Analyte	Found	Claim
<b>Ironite Products Company Scottsdale, AZ</b>				
	<b>Ironite Liquid Lawn and Garden Spray</b>		<b>01N-09270</b>	
		Commercial Value	31.2	23
		Overall Index Value	136.	100
		Total Nitrogen, %	8.26	6
		Available Phosphate, %	2.03	2
		Soluble Potash, %	2.36	1
		Sulfur, %	1.07	1
<b>Johnsons Ranchers Supply Inc Wall, SD</b>				
	<b>Liquid fertilizer 28-0-0</b>		<b>01N-04100</b>	
		Total Nitrogen, %	27.77	28
<b>JR Simplot Rock Springs, WY</b>				
	<b>Dry bulk fertilizer 11-52-0</b>		<b>01N-00294</b>	
		Commercial Value	139.	137
		Overall Index Value	102.	100
		Total Nitrogen, %	11.03	11
		Available Phosphate, %	52.99	52
	<b>Dry bulk fertilizer 11-52-0</b>		<b>01N-05215</b>	
		Arsenic, ug/g (ppm)	3.1	0
		Cadmium, ug/g (ppm)	0.5	0
		Commercial Value	138.	137
		Overall Index Value	101.	100
		Total Nitrogen, %	10.97	11
		Available Phosphate, %	52.76	52
		Lead, ug/g (ppm)	0.5	0
		Mercury, ug/g (ppm)	<0.10	0
		Selenium, ug/g (ppm)	<0.045	0
<b>Knox Fertilizer Co Inc Knox, IN</b>				
	<b>*** Quality Select Premium Lawn Starter 12-22-14</b>		<b>01N-03769</b>	
		Commercial Value	92.3	94
		Overall Index Value	98.2	100
		Total Nitrogen, %	11.48	12
		Available Phosphate, %	20.51	22
		Soluble Potash, %	16.84	14
	<b>*** Quality Select Premium Turf Food 27-3-3</b>		<b>01N-03770</b>	
		Chlorine, %	4.95	3
		Commercial Value	94.8	90
		Overall Index Value	105.	100
		Total Nitrogen, %	26.44	27
		Available Phosphate, %	4.73	3
		Soluble Potash, %	6.07	3
<b>Labolt Farmers Grain Labolt, SD</b>				
	<b>Custom blend fertilizer 15.33-0-40</b>		<b>01N-03869</b>	
		Commercial Value	84.8	85.99
		Overall Index Value	98.6	100
		Total Nitrogen, %	14.89	15.33
		Soluble Potash, %	40.03	40

DEFICIENT

EXCESSIVE

Manufacturer Location	Product	Analyte	Found	Claim	
<b>Lake Norden Farmers Elevator</b>					
<b>Lake Norden, SD</b>					
	<b>*** Custom blend fertilizer 37.97-13.19-0</b>		<b>01N-03774</b>		
		Commercial Value	142.	140.29	
		Overall Index Value	101.	100	
		Total Nitrogen, %	39.08	37.97	
		Available Phosphate, %	12.48	13.19	DEFICIENT
<b>Lake Preston Farm Supply</b>					
<b>Lake Preston, SD</b>					
	<b>Custom blend fertilizer 28.5-28.61-0</b>		<b>01N-03815</b>		
		Commercial Value	144.	142.96	
		Overall Index Value	101.	100	
		Total Nitrogen, %	28.81	28.58	
		Available Phosphate, %	28.90	28.61	
<b>Lebanon Chemical Corp</b>					
<b>Lebanon, PA</b>					
	<b>Greenview R Preen and Green and Fertilizer Prevent</b>		<b>01N-03379</b>		
		Chlorine, %	8.69	8	
		Commercial Value	81.6	70	
		Overall Index Value	117.	100	
		Total Nitrogen, %	10.36	9	
		Available Phosphate, %	19.50	17	
		Soluble Potash, %	11.52	9	
<b>Linear Grain, Inc</b>					
<b>Carman, Manitoba, CA</b>					
	<b>Dry bulk fertilizer 0-0-60</b>		<b>01N-04496</b>		
		Soluble Potash, %	59.13	60	
<b>Martha Stewart LLC</b>					
<b>Buffalo, NY</b>					
	<b>Martha Stewart Seed Starting Mix Premium .08-.24-.08</b>		<b>01N-06404</b>		
		Commercial Value	2.1	0.8	
		Overall Index Value	266.	100	
		Total Nitrogen, %	0.45	0.08	
		Available Phosphate, %	0.34	0.24	
		Soluble Potash, %	0.10	0.08	
<b>Medicine Hat</b>					
<b>Calgary, Alberta, CN</b>					
	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-10722</b>		
		Total Nitrogen, %	46.45	46	
<b>Midwest Cooperatives</b>					
<b>Pierre, SD</b>					
	<b>Liquid fertilizer 28-0-0</b>		<b>01N-00291</b>		
		Total Nitrogen, %	27.97	28	
	<b>*** Liquid fertilizer 10-34-0</b>		<b>01N-00298</b>		
		Commercial Value	92.5	98	
		Overall Index Value	94.4	100	DEFICIENT
		Total Nitrogen, %	10.38	10	
		Available Phosphate, %	30.67	34	DEFICIENT

Manufacturer Location	Product	Analyte	Found	Claim	
<b>Miracle Gro Lawn Products</b>					
<b>Marysville, OH</b>					
	<b>Miracle Gro Lawn Fert 31-3-9</b>		<b>01N-09520</b>		
		Commercial Value	109.	108	
		Iron, %	2.77	2	
		Overall Index Value	101.	100	
		Total Nitrogen, %	30.43	31	
		Available Phosphate, %	3.83	3	
		Soluble Potash, %	9.70	9	
		Sulfur, %	4.82	3.5	
<b>Miracle Gro Lawn Products</b>					
<b>Port Washington, NY</b>					
	<b>Miracle-Gro Lawn Fert 31-3-9</b>		<b>01N-02735</b>		
		Commercial Value	111.	108	
		Overall Index Value	103.	100	
		Total Nitrogen, %	31.22	31	
		Available Phosphate, %	3.25	3	
		Soluble Potash, %	11.24	9	
	<b>Miracle Gro Potting Mix</b>		<b>01N-03687</b>		
		Commercial Value	1.8	0.84	
		Overall Index Value	218.	100	
		Total Nitrogen, %	0.47	0.14	
		Available Phosphate, %	0.14	0.14	
		Soluble Potash, %	0.15	0.14	
	<b>*** Miracle Gro Lawn Fert 31-3-9</b>		<b>01N-06406</b>		
		Commercial Value	107.	108	
		Iron, %	3.69	2	
		Overall Index Value	99.1	100	
		Total Nitrogen, %	29.26	31	DEFICIENT
		Available Phosphate, %	4.25	3	
		Soluble Potash, %	11.35	9	
		Sulfur, %	4.35	3.5	
<b>Northern Ag Supply</b>					
<b>Burnsville, MN</b>					
	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-08699</b>		
		Total Nitrogen, %	46.50	46	
	<b>Dry bulk fertilizer 18-46-0</b>		<b>01N-08700</b>		
		Commercial Value	147.	146	
		Overall Index Value	101.	100	
		Total Nitrogen, %	17.88	18	
		Available Phosphate, %	46.67	46	
<b>Nutra-Flo Company</b>					
<b>Sioux City, IA</b>					
	<b>Liquid fertilizer 8-20-5-5</b>		<b>01N-04901</b>		
		Commercial Value	70.8	69	
		Overall Index Value	103.	100	
		Total Nitrogen, %	8.38	8	
		Available Phosphate, %	20.28	20	
		Soluble Potash, %	5.06	5	
		Sulfur, %	4.61	5	



Manufacturer Location	Product	Analyte	Found	Claim
<b>PCS Sales (USA) Inc.</b>				
<b>Northbrook, IL</b>				
	<b>Dry bulk fertilizer 0-0-60</b>		<b>01N-05249</b>	
		Arsenic, ug/g (ppm)	<0.4	0
		Cadmium, ug/g (ppm)	0.3	0
		Soluble Potash, %	60.78	60
		Lead, ug/g (ppm)	0.3	0
		Mercury, ug/g (ppm)	<0.10	0
		Selenium, ug/g (ppm)	<0.045	0
<b>Pursell Industries Inc</b>				
<b>Sylacauga, AL</b>				
	<b>*** Holland Bulb Booster Fertilizer 9-9-6</b>		<b>01N-03216</b>	
		Chlorine, %	1.60	4.8
		Commercial Value	33.5	51
		Overall Index Value	121.	100
		Total Nitrogen, %	12.08	9
		Available Phosphate, %	10.12	9
		Soluble Potash, %	5.25	6
				DEFICIENT
	<b>** Martha Stewart Tomato and Veg. Fertilizer</b>		<b>01N-03220</b>	
		Calcium, %	15.26	16
		Commercial Value	23.4	30
		Iron, %	0.88	1
		Overall Index Value	141.	100
		Magnesium, %	0.35	2
		Total Nitrogen, %	4.59	4
		Available Phosphate, %	11.73	6
		Soluble Potash, %	4.80	6
		Sulfur, %	2.78	3
				DEFICIENT
				DEFICIENT
				DEFICIENT
				DEFICIENT
	<b>KGro Super 150 Weed and Feed 28-3-3</b>		<b>01N-03227</b>	
		Commercial Value	94.2	93
		Overall Index Value	101.	100
		Total Nitrogen, %	27.43	28
		Available Phosphate, %	3.33	3
		Soluble Potash, %	5.21	3
	<b>KGro Premium Crabgrass Preventer Plus Fertilizer</b>		<b>01N-03228</b>	
		Commercial Value	95.8	94
		Overall Index Value	102.	100
		Total Nitrogen, %	28.14	28
		Available Phosphate, %	3.18	3
		Soluble Potash, %	5.04	4
	<b>Holland Bulb Booster Fert. 9-9-6</b>		<b>01N-03353</b>	
		Commercial Value	68.8	51
		Overall Index Value	135.	100
		Total Nitrogen, %	12.51	9
		Available Phosphate, %	11.73	9
		Soluble Potash, %	7.77	6
	<b>Ace Premium Lawn Fertilizer 35-2-4</b>		<b>01N-03380</b>	
		Commercial Value	122.	113
		Overall Index Value	108.	100
		Total Nitrogen, %	35.43	35
		Available Phosphate, %	5.51	2
		Soluble Potash, %	4.43	4
	<b>Ace Premium Weed and Feed 29-3-4</b>		<b>01N-03678</b>	
		Commercial Value	105.	97
		Overall Index Value	108.	100
		Total Nitrogen, %	30.58	29
		Available Phosphate, %	3.68	3
		Soluble Potash, %	5.42	4

Manufacturer Location	Product	Analyte	Found	Claim		
Quali Trade, Inc. Shakopee, MN	*** Ace Premium Lawn Fertilizer 35-2-4		<b>01N-04159</b>			
		Commercial Value	110.	113		
		Overall Index Value	97.3	100	DEFICIENT	
		Total Nitrogen, %	33.42	35	DEFICIENT	
		Available Phosphate, %	2.89	2		
		Soluble Potash, %	4.73	4		
	K-Gro Premium Weed and Feed 28-3-3		<b>01N-05695</b>			
		Commercial Value	100.	93		
		Overall Index Value	108.	100		
		Total Nitrogen, %	30.26	28		
		Available Phosphate, %	3.12	3		
		Soluble Potash, %	3.26	3		
	*** Ace Premium Lawn fertilizer 35-2-4		<b>01N-07635</b>			
		Commercial Value	104.	113		
		Overall Index Value	98.8	100		
		Total Nitrogen, %	33.67	35	DEFICIENT	
		Available Phosphate, %	2.63	2		
		Soluble Potash, %	5.13	4		
	*** Martha Stewart Acid Loving Plant Fertilizer 4-6-4		<b>01N-09517</b>			
		Calcium, %	13.30	14		
		Commercial Value	33.9	28		
		Iron, %	1.08	1		
Overall Index Value		121.	100			
Total Nitrogen, %		4.73	4			
Available Phosphate, %		8.73	6			
Soluble Potash, %		2.79	4	DEFICIENT		
		Sulfur, %	8.12	6		
Summer Green 15-2-3			<b>01N-10141</b>			
	Chlorine, %	2.35	2.4			
	Commercial Value	53.4	52			
	Iron, %	3.00	3			
	Overall Index Value	103.	100			
	Total Nitrogen, %	15.13	15			
	Available Phosphate, %	2.44	2			
	Soluble Potash, %	3.14	3			
*** Mum Booster 17-5-11		<b>01N-10959</b>				
	Commercial Value	77.3	72			
	Overall Index Value	107.	100			
	Total Nitrogen, %	15.72	17	DEFICIENT		
	Available Phosphate, %	8.68	5			
	Soluble Potash, %	12.16	11			
Vigoro Rose Food 15-5-13		<b>01N-10960</b>				
	Commercial Value	81.5	68			
	Iron, %	1.01	1			
	Overall Index Value	120.	100			
	Magnesium, %	1.65	1.5			
	Total Nitrogen, %	18.12	15			
	Available Phosphate, %	7.02	5			
	Soluble Potash, %	13.13	13			
		Sulfur, %	8.52	3		
Dry bulk fertilizer 21-0-0-24		<b>01N-04605</b>				
	Total Nitrogen, %	21.18	21			
	Sulfur, %	24.10	24			

Manufacturer Location	Product	Analyte	Found	Claim	
<b>Revilla Farmers Elevator</b>					
<b>Revilla, SD</b>					
	<b>*** Custom blend fertilizer 29.66-14.96-9.43</b>		<b>01N-03866</b>		
		Commercial Value	128.	128.33	
		Overall Index Value	99.4	100	
		Total Nitrogen, %	30.10	29.66	
		Available Phosphate, %	13.73	14.96	DEFICIENT
		Soluble Potash, %	11.03	9.43	
<b>Saskferco</b>					
<b>Belle Plaine, Sask., CN</b>					
	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-03981</b>		
		Total Nitrogen, %	46.50	46	
	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-05417</b>		
		Total Nitrogen, %	46.69	46	
	<b>Dry bulk fertilizer urea 46-0-0</b>		<b>01N-05632</b>		
		Total Nitrogen, %	46.32	46	
<b>Schultz Company</b>					
<b>Bridgeton, MO</b>					
	<b>Schultz African Violet Plus 8-14-9</b>		<b>01N-03163</b>		
		Commercial Value	63.9	61	
		Overall Index Value	105.	100	
		Total Nitrogen, %	8.19	8	
		Available Phosphate, %	14.91	14	
		Soluble Potash, %	9.48	9	
	<b>Shultz Expert Rose Food 10-12-12</b>		<b>01N-09112</b>		
		Commercial Value	67.6	66	
		Overall Index Value	102.	100	
		Total Nitrogen, %	10.13	10	
		Available Phosphate, %	12.69	12	
		Soluble Potash, %	11.82	12	
	<b>Schultz Expert Tomato Food</b>		<b>01N-09113</b>		
		Commercial Value	65.7	62	
		Overall Index Value	106.	100	
		Total Nitrogen, %	9.73	9	
		Available Phosphate, %	10.10	10	
		Soluble Potash, %	16.27	15	
	<b>*** Schultz Expert Spray Green Weed and Feed</b>		<b>01N-09533</b>		
		Chlorine, %	1.82	1.5	EXCESSIVE
		Commercial Value	65.4	64	
		Overall Index Value	102.	100	
		Total Nitrogen, %	20.34	20	
		Available Phosphate, %	1.12	1	
		Soluble Potash, %	2.16	2	
	<b>*** Schultz Expert Spray Weed and Feed</b>		<b>01N-09535</b>		
		Chlorine, %	1.80	1.5	EXCESSIVE
		Commercial Value	65.0	64	
		Overall Index Value	102.	100	
		Total Nitrogen, %	20.38	20	
		Available Phosphate, %	0.82	1	
		Soluble Potash, %	2.19	2	

Manufacturer Location	Product	Analyte	Found	Claim
<b>Schultz Company</b>				
<b>St. Louis, MO</b>				
	<b>Schultz All Purpose Plant Food 20-30-20</b>		<b>01N-00135</b>	
	Commercial Value		144.	140
	Overall Index Value		103.	100
	Total Nitrogen, %		20.63	20
	Available Phosphate, %		31.54	30
	Soluble Potash, %		19.41	20
	<b>Potting Soil .08-.12-.08</b>		<b>01N-03421</b>	
	Commercial Value		2.2	0.56
	Overall Index Value		392.	100
	Total Nitrogen, %		0.48	0.08
	Available Phosphate, %		0.31	0.12
	Soluble Potash, %		0.15	0.08
<b>Scotts Company</b>				
<b>Marysville, OH</b>				
	<b>Scotts Natural Bone Meal Enriched with Iron</b>		<b>01N-03221</b>	
	Arsenic, ug/g (ppm)		<0.4	0
	Cadmium, ug/g (ppm)		0.2	0
	Commercial Value		49.1	42
	Overall Index Value		117.	100
	Total Nitrogen, %		6.61	6
	Available Phosphate, %		14.63	12
	Lead, ug/g (ppm)		1.2	0
	Mercury, ug/g (ppm)		<0.10	0
	Selenium, ug/g (ppm)		0.195	0
	<b>Scotts Evergreen Shrub and Tree Food 31-3-10</b>		<b>01N-03226</b>	
	Commercial Value		109.	109
	Overall Index Value		100.	100
	Total Nitrogen, %		31.05	31
	Available Phosphate, %		2.92	3
	Soluble Potash, %		10.03	10
	Sulfur, %		4.39	3.8
	<b>Scotts Starter Fertilizer 20-27-5</b>		<b>01N-03229</b>	
	Commercial Value		128.	119
	Overall Index Value		107.	100
	Total Nitrogen, %		20.97	20
	Available Phosphate, %		29.18	27
	Soluble Potash, %		6.47	5
	Sulfur, %		3.01	2
	<b>Scotts Lawn Pro Lawn Fertilizer 31-3-9</b>		<b>01N-03311</b>	
	Commercial Value		113.	108
	Overall Index Value		105.	100
	Total Nitrogen, %		32.24	31
	Available Phosphate, %		3.31	3
	Soluble Potash, %		10.11	9
	<b>Scotts Blossom Booster 18-22-8</b>		<b>01N-03355</b>	
	Commercial Value		116.	106
	Overall Index Value		109.	100
	Total Nitrogen, %		20.62	18
	Available Phosphate, %		22.31	22
	Soluble Potash, %		9.27	8
	<b>Osmocote Vegetable and Bedding Plant Food 14-14-14</b>		<b>01N-03357</b>	
	Commercial Value		86.2	84
	Overall Index Value		103.	100
	Total Nitrogen, %		14.29	14
	Available Phosphate, %		14.72	14
	Soluble Potash, %		13.92	14

Manufacturer Location	Product	Analyte	Found	Claim	
	<b>Scotts Lawn Fertilizer 32-3-10</b>		<b>01N-03572</b>		
		Commercial Value	117.	112	
		Overall Index Value	105.	100	
		Total Nitrogen, %	33.13	32	
		Available Phosphate, %	3.52	3	
		Soluble Potash, %	10.78	10	
	<b>Scotts Lawn Pro Super Turf Builder</b>		<b>01N-03586</b>		
		Commercial Value	101.	99	
		Overall Index Value	102.	100	
		Total Nitrogen, %	30.19	30	
		Available Phosphate, %	3.51	3	
		Soluble Potash, %	3.51	3	
	<b>Scotts Lawn Pro Super Turf Builder Plus 2 Weed Control</b>		<b>01N-03587</b>		
		Commercial Value	97.6	96	
		Overall Index Value	102.	100	
		Total Nitrogen, %	29.56	29	
		Available Phosphate, %	2.91	3	
		Soluble Potash, %	3.06	3	
	<b>"Scotts" Lawn Pro R Super Turf Builder Lawn Fertilizer</b>		<b>01N-03680</b>		
		Commercial Value	101.	99	
		Overall Index Value	102.	100	
		Total Nitrogen, %	29.59	30	
		Available Phosphate, %	4.18	3	
		Soluble Potash, %	4.14	3	
	<b>African Violet Plant Food 7-7-7</b>		<b>01N-04016</b>		
		Commercial Value	45.0	42	
		Overall Index Value	107.	100	
		Total Nitrogen, %	7.53	7	
		Available Phosphate, %	7.77	7	
		Soluble Potash, %	6.87	7	
	<b>Scotts Lawn Pro Super Turf Builder Lawn Fert. 30-3-3</b>		<b>01N-04020</b>		
		Commercial Value	103.	99	
		Iron, %	2.02	1.8	
		Overall Index Value	104.	100	
		Total Nitrogen, %	31.00	30	
		Available Phosphate, %	3.32	3	
		Soluble Potash, %	3.18	3	
		Sulfur, %	6.88	4.5	
	<b>*** Scotts Lawn Fertilizer 31-3-9</b>		<b>01N-04021</b>		
		Commercial Value	112.	108	
		Iron, %	1.51	2	DEFICIENT
		Overall Index Value	104.	100	
		Total Nitrogen, %	31.28	31	
		Available Phosphate, %	2.98	3	
		Soluble Potash, %	12.51	9	
		Sulfur, %	4.72	3.5	
	<b>Miracle Gro All Purpose Plant Food</b>		<b>01N-05694</b>		
		Commercial Value	129.	120	
		Overall Index Value	108.	100	
		Total Nitrogen, %	16.61	15	
		Available Phosphate, %	32.56	30	
		Soluble Potash, %	14.07	15	
	<b>Scotts Turf Builder</b>		<b>01N-06276</b>		
		Commercial Value	95.0	93	
		Overall Index Value	102.	100	
		Total Nitrogen, %	28.31	28	
		Available Phosphate, %	3.19	3	
		Soluble Potash, %	3.64	3	

Manufacturer Location	Product	Analyte	Found	Claim	
	<b>Scott's Turf Builder</b>		<b>01N-06277</b>		
		Commercial Value	104.	100	
		Overall Index Value	104.	100	
		Total Nitrogen, %	30.79	30	
		Available Phosphate, %	3.24	3	
		Soluble Potash, %	5.01	4	
		Sulfur, %	8.11	8.5	
	<b>Osmocote Vegy and Bedding Plant Food 14-14-14</b>		<b>01N-06403</b>		
		Commercial Value	85.6	84	
		Overall Index Value	102.	100	
		Total Nitrogen, %	14.16	14	
		Available Phosphate, %	14.30	14	
		Soluble Potash, %	14.48	14	
	<b>Scotts Turf Builder 29-3-4</b>		<b>01N-06405</b>		
		Commercial Value	99.9	97	
		Overall Index Value	103.	100	
		Total Nitrogen, %	28.82	29	
		Available Phosphate, %	4.39	3	
		Soluble Potash, %	4.68	4	
<b>**</b>	<b>Miracid Plant Food 30-10-10</b>		<b>01N-08786</b>		
		Commercial Value	120.	120	
		Overall Index Value	100.	100	
		Total Nitrogen, %	28.82	30	DEFICIENT
		Available Phosphate, %	11.50	10	
		Soluble Potash, %	11.17	10	
	<b>Scotts Super Winterizer Fall Lawn Fert</b>		<b>01N-08788</b>		
		Commercial Value	92.3	90	
		Overall Index Value	103.	100	
		Total Nitrogen, %	23.88	24	
		Available Phosphate, %	3.69	3	
		Soluble Potash, %	13.24	12	
		Sulfur, %	11.30	10	
<b>**</b>	<b>Scotts Winterizer</b>		<b>01N-08968</b>		
		Commercial Value	74.6	90	
		Overall Index Value	95.6	100	DEFICIENT
		Total Nitrogen, %	22.98	24	DEFICIENT
		Available Phosphate, %	2.68	3	
		Soluble Potash, %	11.60	12	
	<b>Scotts Super Turf Builder with Plus 2 Weed Control</b>		<b>01N-09266</b>		
		Commercial Value	96.6	96	
		Overall Index Value	101.	100	
		Total Nitrogen, %	29.18	29	
		Available Phosphate, %	3.03	3	
		Soluble Potash, %	3.03	3	
	<b>Scotts Super Turf Builder With Weed Control</b>		<b>01N-09268</b>		
		Commercial Value	95.8	96	
		Overall Index Value	99.8	100	
		Total Nitrogen, %	28.44	29	
		Available Phosphate, %	3.67	3	
		Soluble Potash, %	3.14	3	
	<b>Scotts Super Winterizer</b>		<b>01N-09850</b>		
		Commercial Value	92.4	90	
		Overall Index Value	103.	100	
		Total Nitrogen, %	24.61	24	
		Available Phosphate, %	3.20	3	
		Soluble Potash, %	12.15	12	
		Sulfur, %	10.68	10	

Manufacturer Location	Product	Analyte	Found	Claim
	<b>Bright Wildflower Mix (Miracle Grow) 2-2-1</b>		<b>01N-10142</b>	
		Commercial Value	14.0	11
		Overall Index Value	127.	100
		Total Nitrogen, %	2.38	2
		Available Phosphate, %	2.88	2
		Soluble Potash, %	1.12	1
<b>Scotts Miracle-Grow</b>				
<b>Port Washington, NY</b>				
	<b>Miracle Gro Plant Food Spikes 6-12-6</b>		<b>01N-03215</b>	
		Commercial Value	53.2	48
		Overall Index Value	111.	100
		Total Nitrogen, %	7.06	6
		Available Phosphate, %	12.74	12
		Soluble Potash, %	6.56	6
	<b>Miracle - Gro 15-30-15</b>		<b>01N-03358</b>	
		Commercial Value	122.	120
		Overall Index Value	102.	100
		Total Nitrogen, %	14.45	15
		Available Phosphate, %	31.85	30
		Soluble Potash, %	15.26	15
	<b>Miracle-Gro R Evergreen Fert. Spikes</b>		<b>01N-03376</b>	
		Commercial Value	76.5	66
		Overall Index Value	116.	100
		Total Nitrogen, %	13.63	12
		Available Phosphate, %	11.22	10
		Soluble Potash, %	13.16	10
	<b>Miracle - Gro R Tree and Shrub Fert. Spikes</b>		<b>01N-03377</b>	
		Commercial Value	75.5	74
		Overall Index Value	102.	100
		Total Nitrogen, %	15.21	15
		Available Phosphate, %	10.17	10
		Soluble Potash, %	9.53	9
	<b>Liquid Miracle Gro-Plant Food Drops 8-7-6</b>		<b>01N-03474</b>	
		Commercial Value	48.2	44
		Overall Index Value	110.	100
		Total Nitrogen, %	8.72	8
		Available Phosphate, %	7.93	7
		Soluble Potash, %	6.18	6
	<b>Miracle Gro Plant Food</b>		<b>01N-03571</b>	
		Commercial Value	125.	120
		Overall Index Value	104.	100
		Total Nitrogen, %	15.04	15
		Available Phosphate, %	32.25	30
		Soluble Potash, %	15.71	15
	<b>Miracle Gro Tree and Shrub Spikes 15-10-9</b>		<b>01N-03683</b>	
		Commercial Value	75.2	74
		Overall Index Value	102.	100
		Total Nitrogen, %	15.57	15
		Available Phosphate, %	9.48	10
		Soluble Potash, %	9.57	9
	<b>Miracle Grow for Tomatoes 18-18-21</b>		<b>01N-03966</b>	
		Commercial Value	118.	111
		Overall Index Value	106.	100
		Total Nitrogen, %	20.15	18
		Available Phosphate, %	17.95	18
		Soluble Potash, %	21.24	21

Manufacturer Location	Product	Analyte	Found	Claim	
	<b>Miracle-Gro All Purpose Water Soluble Plant Food 15-30-15</b>		<b>01N-05691</b>		
		Commercial Value	124.	120	
		Overall Index Value	103.	100	
		Total Nitrogen, %	15.21	15	
		Available Phosphate, %	31.36	30	
		Soluble Potash, %	15.20	15	
<b>SD Wheat Growers</b>					
<b>McLaughlin, SD</b>					
	<b>Custom blend fertilizer Mark VollMuth</b>		<b>01N-03861</b>		
		Commercial Value	117.	116	
		Overall Index Value	101.	100	
		Total Nitrogen, %	12.76	12	
		Available Phosphate, %	39.39	40	
		Sulfur, %	9.06	4.8	
	<b>Custom blend fertilizer 20.54-20.53-10.26 Larry Peterson</b>		<b>01N-03862</b>		
		Commercial Value	106.	102.68	
		Overall Index Value	104.	100	
		Total Nitrogen, %	21.03	20.54	
		Available Phosphate, %	21.64	20.53	
		Sulfur, %	11.54	10.26	
<b>SD Wheat Growers</b>					
<b>Willow Lake, SD</b>					
	<b>** Custom blend fertilizer 13.99-34.96-13.99</b>		<b>01N-03601</b>		
		Commercial Value	128.	125.9	
		Overall Index Value	102.	100	
		Total Nitrogen, %	14.35	13.99	
		Available Phosphate, %	36.57	34.96	
		Soluble Potash, %	12.10	13.99	DEFICIENT
<b>SD Wheatgrowers Assn</b>					
<b>Aberdeen, SD</b>					
	<b>Dry bulk fertilizer 28-28-0</b>		<b>01N-05214</b>		
		Arsenic, ug/g (ppm)	7.5	0	
		Cadmium, ug/g (ppm)	2.0	0	
		Commercial Value	143.	140	
		Overall Index Value	102.	100	
		Total Nitrogen, %	28.69	28	
		Available Phosphate, %	28.25	28	
		Lead, ug/g (ppm)	1.4	0	
		Mercury, ug/g (ppm)	<0.10	0	
		Selenium, ug/g (ppm)	0.066	0	
<b>SD Wheatgrowers Assn</b>					
<b>Huron, SD</b>					
	<b>Custom blend fertilizer 43.4-0-0-5.09</b>		<b>01N-03986</b>		
		Total Nitrogen, %	42.71	43.4	
		Sulfur, %	7.78	5.09	
	<b>Dry bulk fertilizer Phosphorus 10-50-0</b>		<b>01N-05688</b>		
		Arsenic, ug/g (ppm)	9.8	0	
		Cadmium, ug/g (ppm)	3.2	0	
		Commercial Value	132.	130	
		Overall Index Value	102.	100	
		Total Nitrogen, %	10.34	10	
		Available Phosphate, %	50.57	50	
		Lead, ug/g (ppm)	3.6	0	
		Mercury, ug/g (ppm)	<0.10	0	
		Selenium, ug/g (ppm)	0.182	0	



Manufacturer Location	Product	Analyte	Found	Claim	
	Dry bulk fertilizer	Ammonium Sulfate 21-0-0-24	<b>01N-05689</b>		
		Total Nitrogen, %	20.66	21	
		Sulfur, %	24.81	24	
	Dry bulk fertilizer	Urea 46-0-0	<b>01N-05690</b>		
		Total Nitrogen, %	46.52	46	
<b>SE Farmers Elevator</b>					
<b>Elk Point, SD</b>					
	Custom blend fertilizer	32.11-16.05-5.38	<b>01N-04611</b>		
		Commercial Value	133.	133.81	
		Overall Index Value	99.0	100	
		Total Nitrogen, %	31.38	32.11	
		Available Phosphate, %	15.93	16.05	
		Soluble Potash, %	6.52	5.38	
<b>Simplot</b>					
<b>Boise, ID</b>					
	Dry bulk fertilizer	11-52-0	<b>01N-03543</b>		
		Commercial Value	136.	137	
		Overall Index Value	99.2	100	
		Total Nitrogen, %	10.75	11	
		Available Phosphate, %	51.82	52	
<b>Simplot Soil Builders</b>					
<b>Beresford, SD</b>					
	**	Custom blend fertilizer	34.32-20.28-12.17	<b>01N-04200</b>	
		Commercial Value	126.	125.69	
		Overall Index Value	100.	100	
		Total Nitrogen, %	22.71	24.32	DEFICIENT
		Available Phosphate, %	20.82	20.28	
		Soluble Potash, %	15.97	12.17	
<b>Sinai Coop Elevator</b>					
<b>Sinai, SD</b>					
	Custom blend fertilizer	21.69-36.11-0	<b>01N-03891</b>		
		Commercial Value	139.	137.29	
		Overall Index Value	102.	100	
		Total Nitrogen, %	22.34	21.69	
		Available Phosphate, %	36.20	36.11	
	Custom blend fertilizer	37.5-9.38-2.86	<b>01N-03892</b>		
		Commercial Value	137.	134.12	
		Overall Index Value	102.	100	
		Total Nitrogen, %	38.39	37.5	
		Available Phosphate, %	8.92	9.38	
		Soluble Potash, %	3.63	2.86	
<b>Solaris Group</b>					
<b>San Ramon, CA</b>					
	Ortho Rose and Flower Care	8-12-4	<b>01N-03686</b>		
		Commercial Value	58.8	52	
		Overall Index Value	113.	100	
		Total Nitrogen, %	8.72	8	
		Available Phosphate, %	13.48	12	
		Soluble Potash, %	5.63	4	
	Green Sweep Weed and Feed	20-0-0	<b>01N-08973</b>		
		Total Nitrogen, %	20.80	20	

Manufacturer Location	Product	Analyte	Found	Claim	
<b>Southwest Grain</b>					
<b>Belle Fourche, SD</b>					
	<b>*** Custom blend fertilizer 27.27-10.91-13.09</b>		<b>01N-03982</b>		
		Commercial Value	118.	116.72	
		Overall Index Value	101.	100	
		Total Nitrogen, %	24.88	27.27	DEFICIENT
		Available Phosphate, %	13.69	10.91	
		Soluble Potash, %	15.33	13.09	
<b>Southwest Grain</b>					
<b>Lemmon, SD</b>					
	<b>*** Custom blend fertilizer 11.63-23.58-11.96-7.9</b>		<b>01N-03545</b>		
		Commercial Value	95.4	94.01	
		Overall Index Value	101.	100	
		Total Nitrogen, %	11.40	11.63	
		Available Phosphate, %	22.57	23.58	DEFICIENT
		Soluble Potash, %	16.10	11.96	
		Sulfur, %	8.45	7.9	
	<b>Custom blend fertilizer 28.25-20.2-0</b>		<b>01N-05631</b>		
		Commercial Value	133.	125.15	
		Overall Index Value	106.	100	
		Total Nitrogen, %	30.62	28.25	
		Available Phosphate, %	20.25	20.2	
		Sulfur, %	6.70	6.27	
<b>Spectrum Group-Div of United Industries</b>					
<b>St. Louis, MO</b>					
	<b>Peters Professional Rose Food</b>		<b>01N-03218</b>		
		Commercial Value	132.	125	
		Overall Index Value	106.	100	
		Total Nitrogen, %	20.22	19	
		Available Phosphate, %	27.52	26	
		Soluble Potash, %	16.30	16	
	<b>Peters Professional All Purpose Plant Food</b>		<b>01N-09518</b>		
		Commercial Value	122.	120	
		Overall Index Value	102.	100	
		Total Nitrogen, %	20.62	20	
		Available Phosphate, %	19.85	20	
		Soluble Potash, %	20.42	20	
	<b>Peters All Purpose Plant Food 20-20-20</b>		<b>01N-10961</b>		
		Commercial Value	124.	120	
		Overall Index Value	103.	100	
		Total Nitrogen, %	20.94	20	
		Available Phosphate, %	20.07	20	
		Soluble Potash, %	21.02	20	
<b>Stateline Farmers</b>					
<b>Milbank, SD</b>					
	<b>Custom blend fertilizer 38.21-4.77-6.37</b>		<b>01N-03871</b>		
		Commercial Value	131.	130.54	
		Overall Index Value	100.	100	
		Total Nitrogen, %	37.50	38.21	
		Available Phosphate, %	5.32	4.77	
		Soluble Potash, %	7.75	6.37	
<b>Terra Nitrogen Corp</b>					
<b>Sioux City, IA</b>					
	<b>Liquid fertilizer 28-0-0</b>		<b>01N-04610</b>		
		Total Nitrogen, %	27.81	28	

Manufacturer Location	Product	Analyte	Found	Claim	
	<b>Liquid fertilizer 28% Nitrogen</b>		<b>01N-04980</b>		
	Total Nitrogen, %		27.34	28	
	<b>Liquid fertilizer 28-0-0</b>		<b>01N-05246</b>		
	Total Nitrogen, %		27.81	28	
	<b>Liquid fertilizer 28-0-0</b>		<b>01N-06557</b>		
	Total Nitrogen, %		27.42	28	
<b>Tessengerlo Kerley Inc Phoenix, AZ</b>	<b>N-Sure 28-0-0</b>		<b>01N-03589</b>		
	Total Nitrogen, %		28.48	28	
<b>Tetra Micronutrients Woodlands, TX</b>	<b>Dry bulk fertilizer zinc</b>		<b>01N-03984</b>		
	Arsenic, ug/g (ppm)		<0.4	0	
	Cadmium, ug/g (ppm)		25.3	0	
	Sulfur, %		17.52	17.5	
	Zinc, %		35.35	35.5	
	Lead, ug/g (ppm)		1.4	0	
	Mercury, ug/g (ppm)		<0.10	0	
	Selenium, ug/g (ppm)		0.433	0	
<b>Tiger Int. Calgary, Alberta, CN</b>	<b>*** Tiger 90</b>		<b>01N-05633</b>		
	Arsenic, ug/g (ppm)		1.1	0	
	Cadmium, ug/g (ppm)		0.1	0	
	Sulfur, %		88.50	90	DEFICIENT
	Lead, ug/g (ppm)		2.1	0	
	Mercury, ug/g (ppm)		<0.10	0	
	Selenium, ug/g (ppm)		<0.045	0	
<b>Toro Company Maple Plain, MN</b>	<b>Toro Nuture Thatch Attack 24-0-0</b>		<b>01N-08715</b>		
	Total Nitrogen, %		25.43	24	
<b>Tru Serv Corp. Maumee, OH</b>	<b>*** Green Thumb Winterizer Fert.</b>		<b>01N-08688</b>		
	Commercial Value		51.5	88	
	Overall Index Value		102.	100	
	Total Nitrogen, %		23.03	22	
	Available Phosphate, %		3.97	4	
	Soluble Potash, %		13.03	14	DEFICIENT
<b>Truserv Corporation Chicago, IL</b>	<b>Green Thumb R Premium All Purpose Flower and Vegetable</b>		<b>01N-03381</b>		
	Chlorine, %		6.40	6.7	
	Commercial Value		35.4	60	
	Overall Index Value		106.	100	
	Total Nitrogen, %		12.70	12	
	Available Phosphate, %		8.48	8	
	Soluble Potash, %		7.89	8	

Manufacturer Location	Product	Analyte	Found	Claim
	<b>Green Thumb Winterizer</b>		<b>01N-08966</b>	
		Commercial Value	87.2	94
		Overall Index Value	99.1	100
		Total Nitrogen, %	21.86	22
		Available Phosphate, %	3.95	4
		Soluble Potash, %	13.69	14
	<b>Green Thumb Seed and Sod Starter</b>		<b>01N-08967</b>	
		Commercial Value	121.	119
		Overall Index Value	101.	100
		Total Nitrogen, %	20.51	20
		Available Phosphate, %	26.93	27
		Soluble Potash, %	5.34	5
<b>Turnis Farm Service</b> <b>Platte, SD</b>				
	<b>Liquid fertilizer 32-0-0</b>		<b>01N-04900</b>	
		Total Nitrogen, %	31.77	32
<b>United Agri Products</b> <b>Franklin, MN</b>				
	<b>Dry bulk fertilizer 11-52-0</b>		<b>01N-04102</b>	
		Commercial Value	137.	137
		Overall Index Value	100.	100
		Total Nitrogen, %	11.03	11
		Available Phosphate, %	52.03	52
<b>United Industries Corp.</b> <b>St. Louis, MO</b>				
	<b>Rose Food 18-24-16</b>		<b>01N-02734</b>	
		Commercial Value	131.	118
		Overall Index Value	111.	100
		Total Nitrogen, %	20.53	18
		Available Phosphate, %	26.20	24
		Soluble Potash, %	17.09	16
<b>United Suppliers Inc.</b> <b>Eldora, IA</b>				
	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-04199</b>	
		Total Nitrogen, %	46.39	46
	<b>Dry bulk fertilizer 0-0-60</b>		<b>01N-04512</b>	
		Soluble Potash, %	59.67	60
	<b>Dry bulk fertilizer 18-46-0</b>		<b>01N-04513</b>	
		Commercial Value	149.	146
		Overall Index Value	102.	100
		Total Nitrogen, %	17.95	18
		Available Phosphate, %	47.44	46
	<b>Dry bulk fertilizer 46-0-0</b>		<b>01N-04978</b>	
		Total Nitrogen, %	46.42	46
	<b>Dry bulk fertilizer 18-46-0</b>		<b>01N-04979</b>	
		Commercial Value	146.	146
		Overall Index Value	100.	100
		Total Nitrogen, %	17.46	18
		Available Phosphate, %	46.86	46

Manufacturer Location	Product	Analyte	Found	Claim	
<b>Vermillion Fertilizer Company</b>					
<b>Vermillion, SD</b>					
	<b>Custom blend fertilizer 34.17-10.51-2.63-2.63</b>		<b>01N-04604</b>		
	Commercial Value		128.	126.16	
	Overall Index Value		102.	100	
	Total Nitrogen, %		34.57	34.17	
	Available Phosphate, %		10.73	10.51	
	Soluble Potash, %		2.92	2.63	
	Sulfur, %		2.60	2.63	
<b>Viborg Coop Elevator</b>					
<b>Viborg, SD</b>					
	<b>*** Custom blend fertilizer 30.74-16.26-7</b>		<b>01N-04596</b>		
	Commercial Value		135.	131.74	
	Overall Index Value		102.	100	
	Total Nitrogen, %		31.17	30.74	
	Available Phosphate, %		17.58	16.26	
	Soluble Potash, %		6.08	7	DEFICIENT
<b>Volga Ag Service</b>					
<b>Volga, SD</b>					
	<b>*** Custom blend fertilizer 9-23-30</b>		<b>01N-03660</b>		
	Commercial Value		91.4	103	
	Overall Index Value		88.7	100	DEFICIENT
	Total Nitrogen, %		6.93	9	DEFICIENT
	Available Phosphate, %		17.14	23	DEFICIENT
	Soluble Potash, %		37.07	30	
<b>Voluntary Purchasing Group</b>					
<b>Borham, TX</b>					
	<b>Fertilome Blooming and Rooting Plant Food</b>		<b>01N-09527</b>		
	Commercial Value		155.	153	
	Overall Index Value		102.	100	
	Total Nitrogen, %		9.57	9	
	Available Phosphate, %		59.29	59	
	Soluble Potash, %		8.11	8	
<b>Voluntary Purchasing Groups</b>					
<b>Bonham, TX</b>					
	<b>Hi-Yield Tomato and Vegetable Food</b>		<b>01N-03565</b>		
	Arsenic, ug/g (ppm)		2.7	0	
	Cadmium, ug/g (ppm)		2.0	0	
	Commercial Value		43.1	38	
	Overall Index Value		113.	100	
	Total Nitrogen, %		4.35	4	
	Available Phosphate, %		11.29	10	
	Soluble Potash, %		7.43	6	
	Lead, ug/g (ppm)		2.3	0	
	Mercury, ug/g (ppm)		<0.10	0	
	Selenium, ug/g (ppm)		0.075	0	
	<b>Hi-Yield Super Phosphate</b>		<b>01N-03566</b>		
	Available Phosphate, %		21.83	18	
	<b>*** Ferti-Lome Acid Loving - Soluble Plant Food</b>		<b>01N-03567</b>		
	Commercial Value		119.	126	
	Overall Index Value		94.1	100	DEFICIENT
	Total Nitrogen, %		26.07	31	DEFICIENT
	Available Phosphate, %		12.08	11	
	Soluble Potash, %		15.85	11	

Manufacturer Location	Product	Analyte	Found	Claim		
	*** Ferti-Lome Tree and Shrub Food		<b>01N-03568</b>			
		Commercial Value	89.9	83		
		Overall Index Value	108.	100		
		Total Nitrogen, %	21.57	19		
		Available Phosphate, %	7.03	8	DEFICIENT	
		Soluble Potash, %	10.87	10		
	*** Ferti-Lome Rose Food 14-12-11		<b>01N-10224</b>			
			Chlorine, %	9.62	4	EXCESSIVE
			Commercial Value	81.6	77	
			Overall Index Value	106.	100	
		Total Nitrogen, %	16.36	14		
		Available Phosphate, %	10.09	12	DEFICIENT	
	Soluble Potash, %	12.25	11			
<b>Warne Chemical</b>						
<b>Rapid City, SD</b>						
	<b>Liquid fertilizer 28-0-0</b>		<b>01N-03591</b>			
	Total Nitrogen, %		29.49	28		
<b>Watertown Coop Elevator</b>						
<b>Watertown, SD</b>						
	<b>*** Custom Blend Fertilizer 14.04-35.88-13.2</b>		<b>01N-03594</b>			
	Commercial Value		98.2	127.08		
	Overall Index Value		99.8	100		
	Total Nitrogen, %		14.14	14.04		
	Available Phosphate, %		34.62	35.88	DEFICIENT	
	Soluble Potash, %		15.19	13.2		
<b>Weatherly Consumer Products</b>						
<b>Lexington, KY</b>						
	<b>Jobe's Fertilizer Spikes</b>		<b>01N-03354</b>			
	Commercial Value		90.6	90		
	Overall Index Value		121.	100		
	Total Nitrogen, %		12.91	10		
	Available Phosphate, %		17.90	15		
	Soluble Potash, %		16.12	15		
<b>Western Consolidated Coop</b>						
<b>Appleton, MN</b>						
	<b>Liquid fertilizer 28-0-0</b>		<b>01N-05645</b>			
	Total Nitrogen, %		27.61	28		
<b>Wil Farm LLC</b>						
<b>Gladstone, MO</b>						
	<b>Dry bulk fertilizer Sulfur 90%</b>		<b>01N-03988</b>			
	Arsenic, ug/g (ppm)		1.0	0		
	Cadmium, ug/g (ppm)		0.3	0		
	Sulfur, %		89.10	90		
	Lead, ug/g (ppm)		1.9	0		
	Mercury, ug/g (ppm)		<0.10	0		
	Selenium, ug/g (ppm)		<0.045	0		

Manufacturer Location	Product	Analyte	Found	Claim	
Winona River & Rail Winona, MN	<b>Dry bulk fertilizer 15-5-5-15</b>		<b>01N-04981</b>		
		Arsenic, ug/g (ppm)	3.6	0	
		Cadmium, ug/g (ppm)	0.3	0	
		Commercial Value	65.0	60	
		Overall Index Value	108.	100	
		Total Nitrogen, %	16.02	15	
		Available Phosphate, %	5.77	5	
		Soluble Potash, %	5.45	5	
		Sulfur, %	17.10	15	
		Lead, ug/g (ppm)	1.8	0	
		Mercury, ug/g (ppm)	<0.10	0	
		Selenium, ug/g (ppm)	0.286	0	
		<b>Dry bulk fertilizer 5-5-10-6</b>		<b>01N-04982</b>	
		Commercial Value	45.7	35	
		Overall Index Value	131.	100	
		Total Nitrogen, %	5.95	5	
		Available Phosphate, %	8.69	5	
		Soluble Potash, %	10.50	10	
		Sulfur, %	11.93	6	

SECTION C:

REGULATORY

ANALYTE

TOTALS



# Regulatory Analyte Totals

Fertilizers Samples	Units	Received From 1/1/2001 To 12/31/2001
Arsenic	ug/g (ppm)	26
Cadmium	ug/g (ppm)	26
Calcium	%	4
Chlorine	%	17
Commercial Value		242
Iron	%	12
Overall Index Value		241
Magnesium	%	3
Total Nitrogen	%	334
Available Phosphate	%	243
Soluble Potash	%	159
Sulfur	%	42
Zinc	%	2
Lead	ug/g (ppm)	26
Mercury	ug/g (ppm)	26
Total Nitrogen	mg/L (ppm)	1
Phosphorous	mg/L (ppm)	1
Selenium	ug/g (ppm)	26

SECTION D:

FERTILIZER

TONNAGE

SUMMARY

DETAIL FERTILIZER SUMMARY  
 SOUTH DAKOTA DEPARTMENT OF AGRICULTURE  
 From January, 2001 To December, 2001

*Grades with 0 tons or more and reported by 1 or more shippers.*

CODE	GRADE	TOTAL	BAG	BULK	LIQUID	FARM	NONFARM
0	0-0-0	371.72	2.24	0.00	369.48	369.48	2.24
0	0-0-7	1.00	1.00	0.00	0.00	0.00	1.00
0	0-0-20	4.05	0.00	4.05	0.00	4.05	0.00
0	0-0-22	83.00	0.00	83.00	0.00	83.00	0.00
0	0-0-25	3.13	0.00	0.00	3.13	3.13	0.00
0	0-0-32	280.26	0.00	0.00	280.26	280.26	0.00
0	0-0-60	1,350.30	0.00	1,195.00	155.30	1,350.30	0.00
0	0-0-61	1,346.47	0.00	1,346.47	0.00	1,346.47	0.00
0	0-0-62	1,023.33	0.00	1,023.33	0.00	1,023.33	0.00
0	0-3-0	163.51	6.00	157.51	0.00	163.51	0.00
0	0-45-0	2,757.07	0.00	2,757.07	0.00	2,757.07	0.00
0	0-46-0	237.91	0.00	237.91	0.00	237.91	0.00
0	0-50-32	2.25	2.25	0.00	0.00	2.25	0.00
0	0-52-0	707.85	0.00	0.00	707.85	707.85	0.00
0	0-70-0	892.85	0.00	0.00	892.85	892.85	0.00
0	0.04-0.01-0.	0.06	0.06	0.00	0.00	0.00	0.06
0	1-0.4-0.4	2.40	2.40	0.00	0.00	0.00	2.40
0	1.5-0.38-0.8	241.00	0.00	241.00	0.00	0.00	241.00
0	1.6-0.67-1.4	86.67	0.00	86.67	0.00	0.00	86.67
0	1.8-0.09-1.2	82.20	0.00	82.20	0.00	82.20	0.00
0	2-0.5-0.5	2.40	2.40	0.00	0.00	0.00	2.40
0	2-1-6	14.00	0.00	0.00	14.00	14.00	0.00
0	3-6-0	5.00	5.00	0.00	0.00	0.00	5.00
0	3-9-27	111.00	0.00	0.00	111.00	111.00	0.00
0	3-18-18	351.37	0.00	0.00	351.37	351.37	0.00
0	4-1-2	2.00	0.00	0.00	2.00	2.00	0.00
0	4-3-2	75.83	0.00	75.83	0.00	75.83	0.00
0	4-4-6	3.37	0.00	0.00	3.37	3.37	0.00
0	4-10-10	1,492.04	3.06	0.00	1,488.98	1,492.04	0.00
0	4-12-4	0.07	0.00	0.00	0.07	0.00	0.07

DETAIL FERTILIZER SUMMARY  
 SOUTH DAKOTA DEPARTMENT OF AGRICULTURE  
 From January, 2001 To December, 2001

*Grades with 0 tons or more and reported by 1 or more shippers.*

CODE	GRADE	TOTAL	BAG	BULK	LIQUID	FARM	NONFARM
0	5-10-5	2.00	2.00	0.00	0.00	0.00	2.00
0	5-15-15	14.85	0.00	0.00	14.85	14.85	0.00
0	5-20-4	50.60	0.00	0.00	50.60	50.60	0.00
0	6-2-0	2.55	2.55	0.00	0.00	2.55	0.00
0	6-12-6	0.04	0.04	0.00	0.00	0.00	0.04
0	6-12-12	4.80	4.80	0.00	0.00	4.80	0.00
0	6-24-6	1,483.04	0.00	0.00	1,483.04	1,483.04	0.00
0	6-24-24	10.85	10.85	0.00	0.00	10.85	0.00
0	7-0-0	5.59	0.00	0.00	5.59	5.59	0.00
0	7-7-7	0.06	0.00	0.00	0.06	0.00	0.06
0	7-12-7	29.80	0.00	0.00	29.80	29.80	0.00
0	7-21-1	150.00	0.00	0.00	150.00	150.00	0.00
0	7-21-7	1,771.99	0.00	0.00	1,771.99	1,771.99	0.00
0	7.9-21-7	126.47	0.00	0.00	126.47	126.47	0.00
0	8-0-0	28.52	0.00	0.00	28.52	28.52	0.00
0	8-7-6	0.58	0.00	0.00	0.58	0.00	0.58
0	8-10-20	0.10	0.10	0.00	0.00	0.10	0.00
0	8-18-5	2.30	0.00	2.30	0.00	2.30	0.00
0	8-20-4	389.27	0.00	0.00	389.27	389.27	0.00
0	8-20-5	1,009.81	0.00	113.67	896.14	1,009.81	0.00
0	8-21-4	50.43	0.00	0.00	50.43	50.43	0.00
0	8-21-5	33.26	0.00	0.00	33.26	33.26	0.00
0	9-0-0	58.27	0.00	0.00	58.27	58.27	0.00
0	9-18-9	912.78	0.00	0.00	912.78	912.78	0.00
0	9-22-16	27.70	27.70	0.00	0.00	27.70	0.00
0	9-24-3	1,179.00	0.00	0.00	1,179.00	1,179.00	0.00
0	10-6-4	3.00	3.00	0.00	0.00	0.00	3.00
0	10-10-10	124.00	124.00	0.00	0.00	0.00	124.00
0	10-10-20	1.00	1.00	0.00	0.00	1.00	0.00
0	10-18-18	1.13	1.13	0.00	0.00	0.00	1.13

DETAIL FERTILIZER SUMMARY  
 SOUTH DAKOTA DEPARTMENT OF AGRICULTURE  
 From January, 2001 To December, 2001

*Grades with 0 tons or more and reported by 1 or more shippers.*

CODE	GRADE	TOTAL	BAG	BULK	LIQUID	FARM	NONFARM
0	10-18-22	1.00	1.00	0.00	0.00	0.00	1.00
0	10-22-22	3.00	3.00	0.00	0.00	0.00	3.00
0	10-25-5	21.00	0.00	21.00	0.00	21.00	0.00
0	10-27-0	101.90	0.00	0.00	101.90	101.90	0.00
0	10-30-0	2,702.89	0.00	0.00	2,702.89	2,702.89	0.00
0	10-50-0	20,841.06	0.00	20,841.06	0.00	20,841.06	0.00
0	10-50-10	62.50	0.00	62.50	0.00	62.50	0.00
0	10-52-10	0.05	0.05	0.00	0.00	0.00	0.05
0	11-0-0	104.59	0.00	14.36	90.23	104.59	0.00
0	11-8-5	1.00	0.00	0.00	1.00	1.00	0.00
0	11-28-18	0.83	0.83	0.00	0.00	0.83	0.00
0	11-52-0	266.18	0.00	266.18	0.00	266.18	0.00
0	11-52-11	16.00	16.00	0.00	0.00	16.00	0.00
0	12-12-12	12.38	12.38	0.00	0.00	2.38	10.00
0	12-22-14	54.00	54.00	0.00	0.00	0.00	54.00
0	12-44-10	7.33	7.33	0.00	0.00	7.33	0.00
0	12-87-8	0.90	0.90	0.00	0.00	0.90	0.00
0	13-0-4	57.63	0.00	57.63	0.00	57.63	0.00
0	13-2-7	15.00	15.00	0.00	0.00	15.00	0.00
0	13-2-13	0.25	0.25	0.00	0.00	0.25	0.00
0	13-13-13	23.03	23.03	0.00	0.00	23.03	0.00
0	14-26-6	5.63	5.63	0.00	0.00	0.00	5.63
0	14-28-10	1.13	1.13	0.00	0.00	0.00	1.13
0	15-0-0	0.17	0.00	0.00	0.17	0.17	0.00
0	15-0-30	0.25	0.25	0.00	0.00	0.25	0.00
0	15-3-5	0.25	0.25	0.00	0.00	0.25	0.00
0	15-5-5	26.50	2.00	24.50	0.00	26.50	0.00
0	15-30-15	15.72	15.72	0.00	0.00	10.06	5.66
0	15-50-0	49.97	0.00	49.97	0.00	49.97	0.00
0	16-2-2	44.61	0.00	0.00	44.61	44.61	0.00

DETAIL FERTILIZER SUMMARY  
 SOUTH DAKOTA DEPARTMENT OF AGRICULTURE  
**From January, 2001 To December, 2001**

*Grades with 0 tons or more and reported by 1 or more shippers.*

CODE	GRADE	TOTAL	BAG	BULK	LIQUID	FARM	NONFARM
0	16-4-8	2.00	2.00	0.00	0.00	2.00	0.00
0	16-20-0	273.54	5.98	267.56	0.00	273.54	0.00
0	16-22-22	0.63	0.63	0.00	0.00	0.63	0.00
0	16.5-28-18	28.26	0.00	28.26	0.00	28.26	0.00
0	17-5-5	0.35	0.35	0.00	0.00	0.35	0.00
0	17-17-0	25.89	0.00	0.00	25.89	25.89	0.00
0	18-3-12	0.33	0.33	0.00	0.00	0.33	0.00
0	18-3-15	25.00	25.00	0.00	0.00	0.00	25.00
0	18-3-18	2.25	2.25	0.00	0.00	0.00	2.25
0	18-3.6-1.8	240.00	0.00	0.00	240.00	240.00	0.00
0	18-4-18	4.00	4.00	0.00	0.00	0.00	4.00
0	18-5-9	13.20	13.20	0.00	0.00	0.00	13.20
0	18-6-12	73.00	73.00	0.00	0.00	0.00	73.00
0	18-6-15	1.73	1.73	0.00	0.00	0.60	1.13
0	18-8-15	128.00	128.00	0.00	0.00	0.00	128.00
0	18-9-18	0.10	0.10	0.00	0.00	0.00	0.10
0	18-18-21	0.05	0.05	0.00	0.00	0.00	0.05
0	18-24-12	2.13	2.13	0.00	0.00	2.13	0.00
0	18-24-16	0.08	0.08	0.00	0.00	0.00	0.08
0	18-36-0	3.72	0.00	3.72	0.00	3.72	0.00
0	19-3-6	3.38	3.38	0.00	0.00	3.38	0.00
0	19-6-12	0.06	0.06	0.00	0.00	0.00	0.06
0	20-0-20	1.13	1.13	0.00	0.00	0.00	1.13
0	20-2-5	2.65	2.65	0.00	0.00	2.65	0.00
0	20-5-15	1.00	1.00	0.00	0.00	1.00	0.00
0	20-7-5	4.08	4.08	0.00	0.00	4.08	0.00
0	20-10-5	48.68	48.68	0.00	0.00	48.68	0.00
0	20-10-10	10.30	10.30	0.00	0.00	10.30	0.00
0	20-14-12	106.20	106.20	0.00	0.00	106.20	0.00
0	20-20-10	0.20	0.20	0.00	0.00	0.20	0.00

DETAIL FERTILIZER SUMMARY  
 SOUTH DAKOTA DEPARTMENT OF AGRICULTURE  
 From January, 2001 To December, 2001

*Grades with 0 tons or more and reported by 1 or more shippers.*

CODE	GRADE	TOTAL	BAG	BULK	LIQUID	FARM	NONFARM
0	20-27-5	0.23	0.23	0.00	0.00	0.00	0.23
0	21-0-0	228.00	228.00	0.00	0.00	228.00	0.00
0	21-0-21	1.90	1.90	0.00	0.00	1.90	0.00
0	21-2-10	0.75	0.75	0.00	0.00	0.75	0.00
0	21-3-8	0.28	0.28	0.00	0.00	0.28	0.00
0	22-0-0	0.53	0.53	0.00	0.00	0.53	0.00
0	22-0-6	19.95	19.95	0.00	0.00	19.95	0.00
0	22-0-22	7.63	7.63	0.00	0.00	1.13	6.50
0	22-3-3	0.20	0.20	0.00	0.00	0.20	0.00
0	22-3-8	18.63	18.63	0.00	0.00	0.00	18.63
0	22-3-10	5.63	5.63	0.00	0.00	0.00	5.63
0	22-4-14	14.40	14.40	0.00	0.00	0.00	14.40
0	22-5-8	7.99	7.99	0.00	0.00	7.99	0.00
0	22-22-13	0.70	0.70	0.00	0.00	0.70	0.00
0	23-0-10	5.00	5.00	0.00	0.00	0.00	5.00
0	23-2-8	0.61	0.61	0.00	0.00	0.61	0.00
0	23-3-8	124.00	124.00	0.00	0.00	0.00	124.00
0	24-2-3	1.00	1.00	0.00	0.00	0.00	1.00
0	24-3-6	0.20	0.20	0.00	0.00	0.20	0.00
0	24-3-12	2.62	1.79	0.83	0.00	0.00	2.62
0	24-5-10	14.88	14.88	0.00	0.00	14.88	0.00
0	25-0-12	1.18	1.18	0.00	0.00	1.18	0.00
0	25-0-15	0.28	0.00	0.28	0.00	0.28	0.00
0	25-3-3	9.74	9.74	0.00	0.00	5.74	4.00
0	25-3-5	6.00	6.00	0.00	0.00	6.00	0.00
0	25-3-8	18.00	18.00	0.00	0.00	18.00	0.00
0	25-3-10	1.40	1.40	0.00	0.00	1.40	0.00
0	25-4-8	0.60	0.60	0.00	0.00	0.60	0.00
0	25-5-5	2.25	2.25	0.00	0.00	2.25	0.00
0	25-5-12	10.13	10.13	0.00	0.00	0.00	10.13

DETAIL FERTILIZER SUMMARY  
 SOUTH DAKOTA DEPARTMENT OF AGRICULTURE  
 From January, 2001 To December, 2001

*Grades with 0 tons or more and reported by 1 or more shippers.*

CODE	GRADE	TOTAL	BAG	BULK	LIQUID	FARM	NONFARM
0	25-5-15	61.65	61.65	0.00	0.00	2.52	59.13
0	25-14-20	3.11	0.00	3.11	0.00	3.11	0.00
0	26-0-0	0.05	0.00	0.00	0.05	0.05	0.00
0	26-3-3	2.00	2.00	0.00	0.00	0.00	2.00
0	26-3-4	327.00	327.00	0.00	0.00	0.00	327.00
0	26-3-8	10.00	10.00	0.00	0.00	10.00	0.00
0	26-14-14	26.88	26.88	0.00	0.00	26.88	0.00
0	26-33-6	6.00	0.00	6.00	0.00	6.00	0.00
0	27-0-0	2,059.00	0.00	0.00	2,059.00	2,059.00	0.00
0	28-3-4	219.00	219.00	0.00	0.00	0.00	219.00
0	28-3-10	4.50	4.50	0.00	0.00	0.00	4.50
0	28-5-5	9.75	9.75	0.00	0.00	9.75	0.00
0	28-5-10	4.45	4.45	0.00	0.00	4.45	0.00
0	28-8-10	6.02	6.02	0.00	0.00	6.02	0.00
0	28-28-0	422.23	0.00	422.23	0.00	422.23	0.00
0	28-28-12	0.78	0.00	0.78	0.00	0.78	0.00
0	29-3-3	0.30	0.30	0.00	0.00	0.00	0.30
0	29-3-4	2.16	2.16	0.00	0.00	0.00	2.16
0	29-28-0	53.00	0.00	53.00	0.00	53.00	0.00
0	29.6-0-0	300.85	0.00	300.85	0.00	300.85	0.00
0	30-3-3	0.37	0.37	0.00	0.00	0.00	0.37
0	30-3-4	1.08	1.08	0.00	0.00	1.08	0.00
0	30-3-5	8.00	8.00	0.00	0.00	8.00	0.00
0	30-7-9	34.00	34.00	0.00	0.00	0.00	34.00
0	30-10-10	33.80	33.80	0.00	0.00	1.88	31.92
0	31-0-0	0.34	0.00	0.00	0.34	0.34	0.00
0	31-0-17	6.85	6.85	0.00	0.00	6.85	0.00
0	31-3-7	2.25	2.25	0.00	0.00	0.00	2.25
0	31-3-10	0.05	0.05	0.00	0.00	0.00	0.05
0	31-3-12	1.38	1.38	0.00	0.00	1.38	0.00



DETAIL FERTILIZER SUMMARY  
 SOUTH DAKOTA DEPARTMENT OF AGRICULTURE  
 From January, 2001 To December, 2001

*Grades with 0 tons or more and reported by 1 or more shippers.*

CODE	GRADE	TOTAL	BAG	BULK	LIQUID	FARM	NONFARM
0	32-7-10	0.12	0.12	0.00	0.00	0.12	0.00
0	34-0-0	79.88	0.00	0.00	79.88	79.88	0.00
0	34-3-7	2.88	2.88	0.00	0.00	2.88	0.00
0	34-7-7	1.47	1.47	0.00	0.00	1.47	0.00
0	35-10-10	1.50	0.00	1.50	0.00	1.50	0.00
0	35-18-0	1,088.38	0.00	1,088.38	0.00	1,088.38	0.00
0	35-18-8	53.32	0.00	53.32	0.00	53.32	0.00
0	36-6-6	0.32	0.32	0.00	0.00	0.00	0.32
0	36-15-0	1.83	1.83	0.00	0.00	1.83	0.00
0	38-0-0	0.38	0.38	0.00	0.00	0.38	0.00
0	38-5-2	1.00	1.00	0.00	0.00	1.00	0.00
0	39-0-0	28.00	22.00	6.00	0.00	28.00	0.00
0	39-10-0	24.98	0.00	0.00	24.98	24.98	0.00
0	41-8-0	134.29	0.00	134.29	0.00	134.29	0.00
2	82-0-0	49,579.96	0.00	602.70	48,977.27	49,579.96	0.00
6	20.5-0-0	28.00	0.00	28.00	0.00	28.00	0.00
6	21-0-0	98.51	0.00	0.00	98.51	98.51	0.00
10	34-0-0	1,808.51	623.04	1,185.46	0.00	1,808.51	0.00
12	20-0-0	12.31	0.00	0.00	12.31	12.31	0.00
13	20.5-0-0	1,109.59	0.00	1,048.04	61.55	1,109.59	0.00
13	21-0-0	514.75	0.00	94.38	420.37	514.75	0.00
20	20-0-0	211.93	3.00	208.93	0.00	208.93	3.00
24	21-0-0	9,506.66	126.00	9,240.44	140.22	9,506.66	0.00
29	33.5-0-0	1,110.51	0.00	1,110.51	0.00	1,110.51	0.00
29	34-0-0	19.20	1.25	17.95	0.00	19.20	0.00
31	12-0-0	4,823.95	0.00	69.00	4,754.95	4,823.95	0.00
31	21-0-0	7.19	0.00	7.19	0.00	7.19	0.00
38	21-0-0	25.82	0.00	25.82	0.00	25.82	0.00
46	34-0-0	248.00	0.00	248.00	0.00	248.00	0.00
54	15-0-0	0.01	0.00	0.00	0.01	0.01	0.00

DETAIL FERTILIZER SUMMARY  
 SOUTH DAKOTA DEPARTMENT OF AGRICULTURE  
 From January, 2001 To December, 2001

*Grades with 0 tons or more and reported by 1 or more shippers.*

CODE	GRADE	TOTAL	BAG	BULK	LIQUID	FARM	NONFARM
58	28-0-0	124,027.59	0.00	158.10	123,869.49	124,027.59	0.00
59	30-0-0	0.05	0.00	0.00	0.05	0.05	0.00
60	32-0-0	42,862.16	0.00	0.00	42,862.16	42,862.16	0.00
66	46-0-0	412,796.88	809.55	411,283.79	703.54	412,796.88	0.00
67	20-0-0	148.56	0.00	0.00	148.56	148.56	0.00
68	38-0-0	1.52	0.25	1.27	0.00	1.52	0.00
201	12-51-0	683.20	0.00	683.20	0.00	683.20	0.00
203	18-46-0	153,136.28	337.63	152,376.65	422.00	153,136.28	0.00
205	0-0-0	41.00	0.00	41.00	0.00	41.00	0.00
206	27-14-0	125.00	0.00	125.00	0.00	125.00	0.00
209	11-52-0	82,954.53	105.39	82,849.14	0.00	82,954.53	0.00
214	3.9-22-0	4.00	0.00	4.00	0.00	4.00	0.00
238	0-18-0	4.00	4.00	0.00	0.00	4.00	0.00
248	0-54-0	52.42	0.00	0.00	52.42	52.42	0.00
249	10-34-0	68,121.71	0.00	0.00	68,121.71	68,121.71	0.00
253	0-35-0	187.10	0.00	0.00	187.10	187.10	0.00
267	0-46-0	874.52	0.00	874.52	0.00	874.52	0.00
423	0-0-64	152.93	0.00	152.93	0.00	152.93	0.00
428	0-0-60	34,725.50	1.58	34,723.93	0.00	34,725.50	0.00
430	0-0-62	3,633.42	0.05	3,091.54	541.83	3,633.42	0.00
443	0-0-22	46.50	0.00	46.50	0.00	46.50	0.00
463	0-0-50	123.92	25.73	98.19	0.00	123.92	0.00
497	0-0-0	502.13	0.00	502.13	0.00	502.13	0.00
498	0-0-0	5.38	5.38	0.00	0.00	5.38	0.00
601	12-0-0	2.00	2.00	0.00	0.00	0.00	2.00
604	5-1-1	2.00	2.00	0.00	0.00	2.00	0.00
613	2-2-1	2,709.79	0.00	2,709.79	0.00	2,709.79	0.00
649	0.5-0.5-0.5	194.20	0.00	194.20	0.00	188.20	6.00
652	1.9-0.2-0.2	1,282.50	0.00	1,282.50	0.00	1,282.50	0.00
667	6-2-1	8.00	8.00	0.00	0.00	8.00	0.00

DETAIL FERTILIZER SUMMARY  
 SOUTH DAKOTA DEPARTMENT OF AGRICULTURE  
 From January, 2001 To December, 2001

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CODE	GRADE	TOTAL	BAG	BULK	LIQUID	FARM	NONFARM
673	8.1-5.3-5.9	1,514.71	0.00	1,514.71	0.00	1,514.71	0.00
675	7.8-0-0	3,542.01	0.00	3,542.01	0.00	3,542.01	0.00
706	0-0-0	15.48	12.00	3.48	0.00	15.48	0.00
720	0-0-0	0.58	0.53	0.05	0.00	0.58	0.00
722	0-0-0	0.01	0.00	0.00	0.01	0.01	0.00
726	0-0-0	296.23	1.15	0.00	295.08	296.23	0.00
728	0-0-0	243.00	243.00	0.00	0.00	243.00	0.00
730	0-0-0	0.22	0.00	0.17	0.05	0.22	0.00
732	0-0-0	2,207.91	97.78	2,110.13	0.00	2,207.91	0.00
733	0-0-0	19.54	0.00	19.00	0.54	19.54	0.00
734	0-0-0	110.77	0.00	50.39	60.38	110.77	0.00
742	0-0-0	0.50	0.50	0.00	0.00	0.50	0.00
744	0-0-0	11.03	0.00	11.03	0.00	11.03	0.00
749	0-0-0	2.04	0.00	2.00	0.04	2.04	0.00
754	0-0-0	13.93	5.00	8.43	0.50	13.93	0.00
770	0-0-0	257.96	175.79	82.17	0.00	257.96	0.00
774	0-0-0	629.57	0.00	0.00	629.57	629.57	0.00
782	0-0-0	699.40	535.52	158.65	5.23	699.40	0.00
783	0-0-0	0.50	0.00	0.00	0.50	0.50	0.00
784	0-0-0	11.84	5.64	2.84	3.36	11.84	0.00
797	0-0-0	0.16	0.00	0.00	0.16	0.16	0.00
798	0-0-0	0.03	0.00	0.00	0.03	0.03	0.00
798	13-0-0	7.00	0.00	7.00	0.00	7.00	0.00
907	0-0-0	10,277.80	0.00	10,277.80	0.00	5,542.80	4,735.00
908	0-0-0	138.13	0.00	138.13	0.00	138.13	0.00
978	0-0-0	11,541.02	31.87	3,090.19	8,418.95	11,541.02	0.00
988	0-0-0	1,420.39	0.00	1,420.39	0.00	1,420.39	0.00
990	0-0-0	1,005.88	57.41	944.37	4.10	1,003.07	2.81
998	0-0-0	2,767.95	2.00	2,764.82	1.13	2,767.95	0.00

DETAIL FERTILIZER SUMMARY  
 SOUTH DAKOTA DEPARTMENT OF AGRICULTURE  
**From January, 2001 To December, 2001**

*Grades with 0 tons or more and reported by 1 or more shippers.*

CODE	GRADE	TOTAL	BAG	BULK	LIQUID	FARM	NONFARM
					D		M
TOTALS		1,085,385.74	5,314.91	762,345.89	317,724.93	1,078,961.6	6,424.07

*Totals of grades having the specified tonnage limit of 0 but less than 1 shippers:*

*Totals of grades Less Than 0 tons.*

GRAND TOTAL:	1,091,662.56
GRAND TOTAL FOR BAG:	5,314.91
GRAND TOTAL FOR	765,042.32
GRAND TOTAL FOR LIQUID:	321,305.33
GRAND TOTAL FOR FARM:	1,085,230.49
GRAND TOTAL FOR	6,432.07