

F E R T I L I Z E R
A N N U A L R E P O R T

JANUARY 1, 2024 TO

DECEMBER 31, 2024



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2024 COMMERCIAL FERTILIZER ANNUAL REPORT

The South Dakota Department of Agriculture and Natural Resources Inspection, Compliance, and Remediation Program under the Authority of SDCL 38-14 provides for sampling and analysis of fertilizer ingredients and fertilizer products sold in South Dakota. Analyses of all products distributed under the law are in this report.

State Inspectors randomly sample fertilizer products throughout South Dakota. The following summary of samples was analyzed, and results provided by the Analytical Services Laboratory at South Dakota Agriculture Laboratories located in Brookings, South Dakota.

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Performed By:

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2024 Fertilizer Manufacturer Sample Totals

Manufacturer:

ADM Fertilizer-Marion	Marion			SD		
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	10.00	0.00	0.00	1.00	11	5
ADM Fertilizer-Minneapolis-4th Ave	Minneapolis			MN		
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	5.00	0.00	0.00	1.00	6	3
ADM Fertilizer-Minneapolis-S 8th St	Minneapolis			MN		
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	18.00	0.00	0.00	4.00	22	8
ADM Tulare Fertilizer--Hitchcock	Hitchcock			SD		
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	5.00	0.00	0.00	1.00	6	2
AdvanSix-Corporate	Parsippany-Troy Hills			NJ		
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	2.00	0.00	0.00	0.00	2	1
AdvanSix-Sioux City, IA	Sioux City			IA		
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	6.00	0.00	0.00	0.00	6	3
Agrium-Sioux City, IA	Sioux City			IA		
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	2.00	0.00	0.00	0.00	2	1
AgroLiquid	St. Johns			MI		

Manufacturer:

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
2.00	0.00	0.00	2.00	4	2

Agtegra Bath Fertilizer**Aberdeen****SD**

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
1.00	0.00	0.00	0.00	1	1

Agtegra Ipswitch-Hwy 12**Ipswitch****SD**

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
1.00	0.00	0.00	0.00	1	1

Agtegra-Aberdeen-392**Aberdeen****SD**

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
20.00	1.00	0.00	4.00	25	7

Agtegra-McLaughlin**McLaughlin****SD**

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
4.00	0.00	0.00	1.00	5	2

Agtegra-Roscoe**Roscoe****SD**

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
3.00	0.00	0.00	1.00	4	1

Agtegra-Wolsey**Wolsey****SD**

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
5.00	1.00	0.00	1.00	7	2

ArborSystems**Omaha****NE**

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
3.00	1.00	0.00	1.00	5	1

Bonide Products, Inc.**Oriskany****NY**

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
23.00	0.00	0.00	6.00	29	6

CBH Coop- Belle Fourche-6th Ave**Belle Fourche****SD**

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
14.00	3.00	0.00	3.00	20	4

Central Farmers Coop-Marion**Marion****SD**

Manufacturer:

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
2.00	0.00	0.00	0.00	2	1

Central Farmers Coop-Montrose**Montrose****SD**

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
3.00	0.00	0.00	1.00	4	1

CF Industries LLC-Northbrook, IL**Northbrook****IL**

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
8.00	0.00	0.00	0.00	8	8

CF Industries-Chicago**Chicago****IL**

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
1.00	0.00	0.00	0.00	1	1

CF Industries-Deerfield**Deerfield****IL**

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
2.00	0.00	0.00	0.00	2	2

CF Industries-Sergeant Bluff**Sergeant Bluff****IA**

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
37.00	1.00	0.00	0.00	38	38

CHS -Minneapolis- NW7792**Minneapolis****MN**

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
3.00	0.00	0.00	1.00	4	1

CHS Northern Plains-Selby**Selby****SD**

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
18.00	0.00	0.00	3.00	21	6

CHS Southwest Grain**Lemmon****SD**

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
16.00	1.00	0.00	3.00	20	3

CHS-Alton**Alton****IA**

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
10.00	0.00	0.00	2.00	12	5

CHS-Brooten**Brooten****MN**

Manufacturer:

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
15.00	3.00	0.00	6.00	24	7

Dakota Mill & Grain --Highmore, SD**Highmore****SD**

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
1.00	0.00	0.00	0.00	1	1

Dr. Earth**Winters****CA**

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
12.00	0.00	0.00	3.00	15	3

DYNO Nobel**Cheyenne****WY**

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
1.00	0.00	0.00	0.00	1	1

Easy Gardener Inc**Waco****TX**

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
28.00	0.00	0.00	7.00	35	7

Easy Gardener, Inc--Paris**Paris****KY**

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
3.00	1.00	0.00	1.00	5	1

Eau Claire Coop**EauClaire****WI**

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
22.00	0.00	0.00	5.00	27	5

EC Grow**Eau Claire****WI**

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
16.00	2.00	0.00	4.00	22	4

Espoma Company**Millville****NJ**

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
26.00	0.00	0.00	6.00	32	6

EuroChem North America Corp**Tulsa****OK**

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
10.00	0.00	0.00	3.00	13	4

Farmers Pride -Battle Creek**Battle Creek****NE**

Manufacturer:

	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	3.00	0.00	0.00	1.00	4	1
Fertilome	Bonham		TX			
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	13.00	1.00	0.00	2.00	16	2
Fremar LLC-Marion	Marion		SD			
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	3.00	0.00	0.00	1.00	4	1
GroTec Inc.	Madison		GA			
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	55.00	3.00	0.00	7.00	65	7
Helena AGri --Menno SD	Menno		SD			
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	2.00	0.00	0.00	0.00	2	1
Hoven Coop Service	Hoven		SD			
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	2.00	2.00	0.00	1.00	5	1
Interoceanic Corp--Sioux City	Sioux City		IA			
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	4.00	0.00	0.00	0.00	4	2
Interoceanic Corp--White Plains	White Plains		NY			
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	4.00	0.00	0.00	0.00	4	2
Itafos Conda-Soda Springs	Soda Springs		ID			
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	24.00	0.00	0.00	7.00	31	7
J.R. Peters Inc.	Allentown		PA			
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	51.00	3.00	0.00	5.00	59	5
JR Simplot Company-Boise	Boise		ID			

Manufacturer:

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
8.00	0.00	0.00	2.00	10	2

JR Simplot Company-Pocatello Pocatello ID

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
3.00	0.00	0.00	1.00	4	1

K & S Potash Canada Saskatchewan Canada

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
3.00	0.00	0.00	0.00	3	3

Kinder Morgan Dakota St. Paul MN

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
3.00	0.00	0.00	1.00	4	1

Kingfisher Enterprises, LLC Bruce SD

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
5.00	2.00	0.00	1.00	8	1

Knox Fertilizer Company, Inc. Knox IN

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
147.00	6.00	0.00	19.00	172	19

Koch Fertilizer LLC-Wichita Wichita KS

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
6.00	0.00	0.00	0.00	6	4

Kugler Company-McCook NE McCook NE

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
9.00	0.00	0.00	3.00	12	4

Labolt Farmers Grain-Nasau Nasau MN

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
1.00	0.00	0.00	0.00	1	1

Lilly Miller Brands Atlanta GA

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
12.00	0.00	0.00	3.00	15	3

MacroSource LLC-- Kansas City Kansas City MO

Manufacturer:

	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	1.00	0.00	0.00	0.00	1	1
MacroSource LLC -Savage	Savage		MN			
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	12.00	0.00	0.00	4.00	16	4
MacroSource--Sioux City	Sioux City		IA			
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	3.00	0.00	0.00	0.00	3	2
Mears Fertilizer, Inc.	El Dorado		KS			
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	3.00	0.00	0.00	1.00	4	1
Milwaukee Metropolitan Sewage District	Milwaukee		WI			
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	5.00	0.00	0.00	1.00	6	1
Mosaic--Esterhazy	Esterhazy		Saskatchewan			
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	4.00	0.00	0.00	0.00	4	4
Mosaic--Lithia	Lithia		FL			
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	10.00	0.00	0.00	2.00	12	2
Mosaic--Mulberry	Mulberry		FL			
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	3.00	0.00	0.00	1.00	4	1
Mosaic--Regina	Regina		Saskatchewan			
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	1.00	0.00	0.00	0.00	1	1
Mosaic--Rosemount	Rosemount		MN			
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	38.00	0.00	0.00	10.00	48	10
Mosaic--West Bartlow	West Bartlow		FL			

Manufacturer:

	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	5.00	0.00	0.00	1.00	6	1
N-7 LLC	Sioux City		IA			
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	2.00	0.00	0.00	0.00	2	1
Nachurs-Garretson	Garretson		SD			
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	4.00	0.00	0.00	1.00	5	1
NeuAg LLC	Clute		TX			
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	2.00	0.00	0.00	0.00	2	1
Nutrien	Deerfield		IL			
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	1.00	0.00	0.00	0.00	1	1
Nutrien Ag-Loveland	Loveland		Colorado			
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	9.00	0.00	0.00	1.00	10	6
Nutrien Ag-Parkston	Parkston		SD			
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	15.00	0.00	0.00	2.00	17	7
Nutrien-Calgary	Calgary		Alberta			
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	2.00	0.00	0.00	0.00	2	1
PCI Nitrogen	Pasadena		TX			
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	3.00	1.00	0.00	0.00	4	2
PCS Sales Inc--Deerfield	Deerfield		IL			
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	3.00	0.00	0.00	0.00	3	3
Pearl Valley Organix, Inc.	Pearl City		IL			

Manufacturer:

	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	2.00	2.00	0.00	1.00	5	1
Plantation Products LLC	Norton		MA			
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	10.00	2.00	0.00	2.00	14	2
Potash Corp of Saskatchewan--Saskatoon	Saskatoon		Canada			
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	9.00	0.00	0.00	0.00	9	9
Potash Corp-SCity	Sioux City		IA			
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	7.00	0.00	0.00	0.00	7	7
SBM Life Science Corp	Cary		NC			
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	7.00	0.00	0.00	1.00	8	1
Scotts Miracle-Gro Products	Marysville		OH			
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	579.00	20.00	0.00	80.00	679	80
Simplot--Pocatello, ID	Pocatello		ID			
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	3.00	0.00	0.00	1.00	4	1
Simplot--Rocksprings, WY	Rocksprings		WY			
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	5.00	0.00	0.00	1.00	6	1
Simplot--Sioux City, IA	Sioux City		IA			
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	16.00	1.00	0.00	5.00	22	5
Skyline Encap Holdings LLC	Green Bay		WI			
	<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
	10.00	0.00	0.00	2.00	12	3
Spectrum Group Division of United Industries Co	St Louis		MO			

Manufacturer:

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
1.00	0.00	0.00	0.00	1	1

Sun Bulb Company**Arcadia****FL**

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
37.00	0.00	0.00	3.00	40	3

Swiss Farms Products Inc**Las Vegas****NV**

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
12.00	0.00	0.00	4.00	16	4

The Andersons**Maumee****OH**

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
2.00	0.00	0.00	0.00	2	1

ThorAg-Holloway**Holloway****MN**

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
2.00	0.00	0.00	0.00	2	2

ThorAg-Shoreview**Shoreview****MN**

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
3.00	0.00	0.00	0.00	3	2

True Organic Products**Helm****CA**

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
44.00	2.00	0.00	8.00	54	8

Van Diest**Webster City****IA**

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
1.00	0.00	0.00	0.00	1	1

Voluntary Purchasing Groups, Inc.**Bonham****TX**

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
17.00	5.00	0.00	5.00	27	7

VPG**BonHam****TX**

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
7.00	2.00	0.00	2.00	11	2

Western Consolidated Coop--Holloway**Holloway****MN**

Manufacturer:

<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
4.00	0.00	0.00	0.00	4	3

Western Consolidated Coop--Twin Brooks	Twin Brooks	SD			
<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
16.00	0.00	0.00	2.00	18	10

Wilbur Ellis-Huron	Huron	SD			
<u>Total Pass</u>	<u>Total Fail</u>	<u>Total Canceled</u>	<u>Total No Disposition</u>	<u>Total Tests</u>	<u>Total Samples</u>
3.00	0.00	0.00	1.00	4	1

Report Totals:	1,745.00	67.00	0.00	286.00	2,098	472
Report Averages:	0.83	0.03	0.00	0.14		

Performed By:

Collected By:



DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES
JOE FOSS BUILDING
523 E CAPITOL AVE
PIERRE SD 57501-3182
danr.sd.gov

2024 Fertilizer Individual Samples

		Analyte	Claim	Found Unit	Disposition
Manufacturer: ADM Fertilizer-Marion					
Product: AMS					
Sample No:	24N000275				
		Nitrogen, Total	21	21.24 %	Pass
		Sulfur	24	23.98 %	Pass
Sample No:	24N009769				
		Nitrogen, Total	21	21.23 %	Pass
		Sulfur	24	25.30 %	Pass
Product: AMS 21-0-0-24S					
Sample No:	24N010272				
		Nitrogen, Total	21	21.31 %	Pass
		Sulfur	24	24.41 %	Pass
Product: MAP 11-52-0					
Sample No:	24N010269				
		Commercial Value	137	138.08	
		Nitrogen, Total	11	10.80 %	Pass
		Overall Index Value		100.79 %	Pass
		Phosphate, Available as P2C	52	52.84 %	Pass
Product: Potash					
Sample No:	24N009329				
		Potash, Soluble as K2O	60	60.18 %	Pass
Manufacturer: ADM Fertilizer-Minneapolis					
Product: 0-0-60					
Sample No:	24N009901				
		Potash, Soluble as K2O	60	62.10 %	Pass
Product: 46-0-0					

Sample No:	Analyte	Claim	Found Unit	Disposition
24N003577	Nitrogen, Total	46	46.78 %	Pass
Product: MAP				
Sample No: 24N009902	Commercial Value	137	136.56	
	Nitrogen, Total	11	11.16 %	Pass
	Overall Index Value		99.68 %	Pass
	Phosphate, Available as P2C	52	51.54 %	Pass
Manufacturer: ADM Fertilizer-Minneapolis				
Product: 46-0-0				
Sample No: 24N009900	Nitrogen, Total	46	47.22 %	Pass
Product: AMS				
Sample No: 24N003676	Nitrogen, Total	21	22.06 %	Pass
	Sulfur	24	23.80 %	Pass
Sample No: 24N009330	Nitrogen, Total	21	22.07 %	Pass
	Sulfur	24	24.73 %	Pass
Product: DAP				
Sample No: 24N003677	Commercial Value	146	151.71	
	Nitrogen, Total	18	19.58 %	Pass
	Overall Index Value		103.91 %	Pass
	Phosphate, Available as P2C	46	46.48 %	Pass
Sample No: 24N008973	Commercial Value	146	147.05	
	Nitrogen, Total	18	18.17 %	Pass
	Overall Index Value		100.72 %	Pass
	Phosphate, Available as P2C	46	46.27 %	Pass
Product: MAP				
Sample No: 24N003423	Commercial Value	137	138.85	
	Nitrogen, Total	11	11.11 %	Pass
	Overall Index Value		101.35 %	Pass
	Phosphate, Available as P2C	52	52.76 %	Pass

Sample No:	Analyte	Claim	Found Unit	Disposition
24N009763	Commercial Value	137	140.54	
	Nitrogen, Total	11	11.45 %	Pass
	Overall Index Value		102.59 %	Pass
	Phosphate, Available as P2C	52	53.10 %	Pass
Product: Potash				
Sample No: 24N001669	Potash, Soluble as K2O	60	60.22 %	Pass
Manufacturer: ADM Tulare Fertilizer--Hitcl				
Product: AMS				
Sample No: 24N003802	Nitrogen, Total	21	21.20 %	Pass
	Sulfur	24	24.38 %	Pass
Product: MAP 11-52				
Sample No: 24N003799	Commercial Value	137	142.02	
	Nitrogen, Total	11	11.81 %	Pass
	Overall Index Value		103.67 %	Pass
	Phosphate, Available as P2C	52	53.30 %	Pass
Manufacturer: AdvanSix-Corporate				
Product: AMS 21-0-0-24S				
Sample No: 24N010332	Nitrogen, Total	21	21.48 %	Pass
	Sulfur	24	24.13 %	Pass
Manufacturer: AdvanSix-Sioux City, IA				
Product: AMS				
Sample No: 24N000013	Nitrogen, Total	21	21.28 %	Pass
	Sulfur	24	24.03 %	Pass
Sample No: 24N003041	Nitrogen, Total	21	21.21 %	Pass
	Sulfur	24	24.09 %	Pass
Sample No: 24N008789	Nitrogen, Total	21	21.89 %	Pass
	Sulfur	24	24.43 %	Pass
Manufacturer: Agrium-Sioux City, IA				

	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Product: AMS				
Sample No: 24N001662				
	Nitrogen, Total	21	21.03 %	Pass
	Sulfur	24	24.18 %	Pass
Manufacturer: AgroLiquid				
Product: Liquid Bulk Fertilizer 27-0-0-1S				
Sample No: 24N009006				
	Nitrogen, Total	27	27.43 %	Pass
	Sulfur	1	1.00 %	
Product: Liquid Fertilizer (27-0-0-1sulfur)				
Sample No: 24N003794				
	Nitrogen, Total	27	27.26 %	Pass
	Sulfur	1	1.08 %	
Manufacturer: Agtegra Bath Fertilizer				
Product: 46-0-0 Bath				
Sample No: 24N009402				
	Nitrogen, Total	46	47.57 %	Pass
Manufacturer: Agtegra Ipswich-Hwy 12				
Product: 0-0-60				
Sample No: 24N009897				
	Potash, Soluble as K2O	60	60.23 %	Pass
Manufacturer: Agtegra-Aberdeen-392				
Product: 20.5-00-00-24s				
Sample No: 24N003430				
	Nitrogen, Total	20.5	21.69 %	Pass
	Sulfur	24	24.33 %	Pass
Product: Blend of nitrogen and sulfur				
Sample No: 24N003581				
	Nitrogen, Total	39.6	39.89 %	Pass
	Sulfur	6	6.60 %	Pass
Product: MAP 11-52-0				
Sample No: 24N003428				
	Commercial Value	137	139.01	
	Nitrogen, Total	11	11.51 %	Pass
	Overall Index Value		101.46 %	Pass
	Phosphate, Available as P2C	52	52.24 %	Pass

	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Product: nitrogen and sulfur blend				
Sample No: 24N003587				
	Nitrogen, Total	41	43.91 %	Pass
	Sulfur	5	1.93 %	Deficient
Product: nitrogen phosphate blend				
Sample No: 24N003588				
	Commercial Value	138	139.54	
	Nitrogen, Total	38	37.62 %	Pass
	Overall Index Value		101.12 %	Pass
	Phosphate, Available as P2C	12	13.34 %	Pass
Product: nitrogen, phosphate potash bler				
Sample No: 24N003586				
	Commercial Value	126	129.36	
	Nitrogen, Total	34	34.53 %	Pass
	Overall Index Value		102.66 %	Pass
	Phosphate, Available as P2C	8	8.60 %	Pass
	Potash, Soluble as K2O	8	8.57 %	Pass
Product: nitrogen, potash, phosphate, su				
Sample No: 24N003585				
	Commercial Value	119	120.70	
	Nitrogen, Total	31	30.24 %	Pass
	Overall Index Value		101.43 %	Pass
	Phosphate, Available as P2C	10	11.70 %	Pass
	Potash, Soluble as K2O	6	6.58 %	Pass
	Sulfur	4	5.82 %	Pass
Manufacturer: Agtegra-McLaughlin				
Product: Liquid fertilizer (28-0-0)				
Sample No: 24N003505				
	Nitrogen, Total	28	27.33 %	Pass
Product: MAP Fertilizer (11-52-0)				
Sample No: 24N003502				
	Commercial Value	137	138.18	
	Nitrogen, Total	11	11.49 %	Pass
	Overall Index Value		100.86 %	Pass
	Phosphate, Available as P2C	52	51.85 %	Pass
Manufacturer: Agtegra-Roscoe				

	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Product: 11-52-0				
Sample No: 24N009896				
	Commercial Value	137	138.49	
	Nitrogen, Total	11	11.21 %	Pass
	Overall Index Value		101.09 %	Pass
	Phosphate, Available as P2C	52	52.43 %	Pass
Manufacturer: Agtegra-Wolsey				
Product: MEZS				
Sample No: 24N003801				
	Commercial Value	116	116.00	
	Nitrogen, Total	12	12.21 %	Pass
	Overall Index Value		100.00 %	Pass
	Phosphate, Available as P2C	40	39.68 %	Pass
	Sulfur	10	9.81 %	Pass
	Zinc, Acid Soluble	1	0.84 %	Deficient
Product: Potash				
Sample No: 24N003800				
	Potash, Soluble as K2O	60	58.50 %	Pass
Manufacturer: ArborSystems				
Product: GreenTree Pro				
Sample No: 24N007484				
	Commercial Value	40	10.63	
	Iron	8.00	7.79 %	Pass
	Overall Index Value		26.58 %	Pass
	Phosphate, Available as P2C	15.00	0.50 %	Deficient
	Potash, Soluble as K2O	10.00	9.62 %	Pass
Manufacturer: Bonide Products, Inc.				
Product: Fish Fertilizer				
Sample No: 24N007465				
	Commercial Value	14	15.75	
	Nitrogen, Total	2	2.28 %	Pass
	Overall Index Value		112.47 %	Pass
	Phosphate, Available as P2C	4	4.45 %	Pass
Product: Garden Rich Root & Grow				
Sample No: 24N007946				
	Commercial Value	35	34.58	

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Nitrogen, Total	4.00	3.68 %	Pass
Overall Index Value		98.81 %	Pass
Phosphate, Available as P2C	10.00	10.30 %	Pass
Potash, Soluble as K2O	3.00	2.94 %	Pass

Product: Liquid African Violet Plant Food

Sample No: 24N010377

Commercial Value (STPB)	48	47.69	
Nitrogen, Total	7	6.80 %	Pass
Overall Index Value (STPB)		99.35 %	Pass
Phosphate, Available as P2C	10	10.05 %	Pass
Potash, Soluble (STPB) as K	7	7.20 %	Pass

Product: Liquid Orchid Food 9-7-9

Sample No: 24N010378

Commercial Value (STPB)	50	50.90	
Nitrogen, Total	9	9.40 %	Pass
Overall Index Value (STPB)		101.80 %	Pass
Phosphate, Available as P2C	7	6.91 %	Pass
Potash, Soluble (STPB) as K	9	8.88 %	Pass

Product: Liquid plant food

Sample No: 24N007468

Commercial Value	60	63.34	
Nitrogen, Total	10	10.79 %	Pass
Overall Index Value		105.57 %	Pass
Phosphate, Available as P2C	10	10.59 %	Pass
Potash, Soluble as K2O	10	9.79 %	Pass

Product: Plant Starter

Sample No: 24N007477

Commercial Value	32	32.37	
Nitrogen, Total	3	3.20 %	Pass
Overall Index Value		101.15 %	Pass
Phosphate, Available as P2C	10	10.05 %	Pass
Potash, Soluble as K2O	3	2.67 %	Pass

Manufacturer: CBH Coop- Belle Fourche-f

Product: Chester Bruce Custom Blend Ff

Sample No: 24N003757

Commercial Value	122.2	114.27	
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	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
	Nitrogen, Total	21.4	18.82 %	Pass
	Overall Index Value		197.70 %	Pass
	Phosphate, Available as P2C	26.0	25.99 %	Pass
	Potash, Soluble as K2O	6.0	5.82 %	Pass
	Sulfur	2.4	10.07 %	Pass
Product:	Grady Matt Custom Blend Fertilizer			
Sample No:	24N003154			
	Nitrogen, Total	43.7	42.58 %	Deficient
	Sulfur	2.18	7.26 %	Pass
Product:	John Crump Custom Blend (34.0)			
Sample No:	24N003151			
	Commercial Value	105.87	115.29	
	Nitrogen, Total	18.35	16.48 %	Deficient
	Overall Index Value		108.90 %	Pass
	Phosphate, Available as P2C	18.35	25.78 %	Pass
	Potash, Soluble as K2O	14.12	14.28 %	Pass
	Sulfur	5.29	5.67 %	Pass
Product:	Reed Cammack Custom Blend			
Sample No:	24N003152			
	Commercial Value	112.89	118.10	
	Nitrogen, Total	23.83	24.21 %	Pass
	Overall Index Value		104.61 %	Pass
	Phosphate, Available as P2C	18.09	19.88 %	Pass
	Potash, Soluble as K2O	5.22	5.70 %	Pass
	Sulfur	11.74	10.23 %	Deficient
Manufacturer:	Central Farmers Coop-Marietta			
Product:	AMS			
Sample No:	24N002223			
	Nitrogen, Total	21	20.86 %	Pass
	Sulfur	24	24.95 %	Pass
Manufacturer:	Central Farmers Coop-Monroe			
Product:	MAP 11-52-0			
Sample No:	24N010004			
	Commercial Value	137	136.87	
	Nitrogen, Total	11	10.99 %	Pass
	Overall Index Value		99.91 %	Pass

	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Manufacturer: CF Industries LLC-Northbrook	Phosphate, Available as P2C	52	51.95 %	Pass
Product: 32-0-0 liquid fertilizer				
Sample No: 24N003796				
	Nitrogen, Total	32	32.65 %	Pass
Product: 46% Urea Nitrogen (46-0-0)				
Sample No: 24N008979				
	Nitrogen, Total	46	47.77 %	Pass
Product: Urea (46-0-0)				
Sample No: 24N008379				
	Nitrogen, Total	46	48.60 %	Pass
Product: Urea 46-0-0				
Sample No: 24N009260				
	Nitrogen, Total	46	46.97 %	Pass
Sample No: 24N009634				
	Nitrogen, Total	46	47.24 %	Pass
Product: Urea fertilizer (46-0-0)				
Sample No: 24N003503				
	Nitrogen, Total	46	47.45 %	Pass
Sample No: 24N003753				
	Nitrogen, Total	46	46.55 %	Pass
Product: Urea Fertilizer 46-0-0				
Sample No: 24N007906				
	Nitrogen, Total	46	47.96 %	Pass
Manufacturer: CF Industries-Chicago				
Product: Urea 46-0-0				
Sample No: 24N008783				
	Nitrogen, Total	46	47.24 %	Pass
Manufacturer: CF Industries-Deerfield				
Product: Liquid fertilizer 32-0-0				
Sample No: 24N009375				
	Nitrogen, Total	32	33.20 %	Pass
Product: Urea (46-0-0)				
Sample No: 24N002135				
	Nitrogen, Total	46	46.33 %	Pass
Manufacturer: CF Industries-Sergeant Blu				

<u>Product:</u>	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Product: 46-0-0				
Sample No:	24N001435			
	Nitrogen, Total	46	47.63 %	Pass
Sample No:	24N002127			
	Nitrogen, Total	46	46.56 %	Pass
Sample No:	24N003427			
	Nitrogen, Total	46	46.42 %	Pass
Sample No:	24N008971			
	Nitrogen, Total	46	47.44 %	Pass
Sample No:	24N009406			
	Nitrogen, Total	46	47.76 %	Pass
Sample No:	24N009903			
	Nitrogen, Total	46	46.36 %	Pass
Product: 46-0-0 cf				
Sample No:	24N009401			
	Nitrogen, Total	46	47.29 %	Pass
Product: Urea				
Sample No:	24N000007			
	Nitrogen, Total	46	46.26 %	Pass
Sample No:	24N000011			
	Nitrogen, Total	46	40.63 %	Deficient
Sample No:	24N000274			
	Nitrogen, Total	46	46.77 %	Pass
Sample No:	24N000900			
	Nitrogen, Total	46	50.47 %	Pass
Sample No:	24N001661			
	Nitrogen, Total	46	48.27 %	Pass
Sample No:	24N001665			
	Nitrogen, Total	46	47.91 %	Pass
Sample No:	24N002221			
	Nitrogen, Total	46	47.12 %	Pass
Sample No:	24N002630			
	Nitrogen, Total	46	45.51 %	Pass
Sample No:	24N002721			
	Nitrogen, Total	46	46.33 %	Pass
Sample No:	24N002956			

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Sample No:	24N002974	Nitrogen, Total	46	45.98 %	Pass
Sample No:	24N003042	Nitrogen, Total	46	46.63 %	Pass
Sample No:	24N003323	Nitrogen, Total	46	46.16 %	Pass
Sample No:	24N003680	Nitrogen, Total	46	46.04 %	Pass
Sample No:	24N003803	Nitrogen, Total	46	46.85 %	Pass
Sample No:	24N006859	Nitrogen, Total	46	46.80 %	Pass
Sample No:	24N008061	Nitrogen, Total	46	46.20 %	Pass
Sample No:	24N008150	Nitrogen, Total	46	49.01 %	Pass
Sample No:	24N008155	Nitrogen, Total	46	48.01 %	Pass
Sample No:	24N008790	Nitrogen, Total	46	47.36 %	Pass
Sample No:	24N008794	Nitrogen, Total	46	47.56 %	Pass
Sample No:	24N009324	Nitrogen, Total	46	47.37 %	Pass
Sample No:	24N009328	Nitrogen, Total	46	47.83 %	Pass
Sample No:	24N009762	Nitrogen, Total	46	48.19 %	Pass
Sample No:	24N010013	Nitrogen, Total	46	46.59 %	Pass
Sample No:	24N010250	Nitrogen, Total	46	46.78 %	Pass
Sample No:	24N010410	Nitrogen, Total	46	46.88 %	Pass
		Nitrogen, Total	46	46.39 %	Pass

Product: Urea 46-0-0

<u>Sample No:</u>	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
24N010009				
	Nitrogen, Total	46	46.53 %	Pass
24N010270				
	Nitrogen, Total	46	46.51 %	Pass
24N010333				
	Nitrogen, Total	46	46.80 %	Pass
Product: Urea 46-0-0 fertilizer				
24N000903				
	Nitrogen, Total	46	47.63 %	Pass
Manufacturer: CHS -Minneapolis- NW7792				
Product: MAP				
24N004254				
	Commercial Value	137	136.83	
	Nitrogen, Total	11	10.92 %	Pass
	Overall Index Value		99.88 %	Pass
	Phosphate, Available as P2C	52	52.04 %	Pass
Manufacturer: CHS Northern Plains-Selby				
Product: 46-0-0				
24N001438				
	Nitrogen, Total	46	45.91 %	Pass
Product: AMS				
24N001439				
	Nitrogen, Total	20.5	20.24 %	Pass
	Sulfur	24	23.13 %	Pass
24N002132				
	Nitrogen, Total	21	20.62 %	Pass
	Sulfur	24	25.49 %	Pass
Product: MAP				
24N001440				
	Commercial Value	137	136.76	
	Nitrogen, Total	11	10.94 %	Pass
	Overall Index Value		99.83 %	Pass
	Phosphate, Available as P2C	52	51.97 %	Pass
Product: MESZ				
24N001437				
	Commercial Value	116	114.05	

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Nitrogen, Total	12	11.78 %	Pass
Overall Index Value		98.32 %	Pass
Phosphate, Available as P2C	40	39.35 %	Pass
Sulfur	10	9.95 %	Pass
Zinc, Acid Soluble	1	0.95 %	Pass

Sample No: 24N002133

Commercial Value	116	113.76	
Nitrogen, Total	12	11.53 %	Pass
Overall Index Value		98.07 %	Pass
Phosphate, Available as P2C	40	39.59 %	Pass
Sulfur	10	9.96 %	Pass
Zinc, Acid Soluble	1	1.02 %	Pass

Manufacturer: CHS Southwest Grain
Product: Fertilizer Blend Mix - Order #529

Sample No: 24N002184

Commercial Value	80.5	83.95	
Nitrogen, Total	14.8	15.74 %	Pass
Overall Index Value		104.28 %	Pass
Phosphate, Available as P2C	8.2	8.97 %	Pass
Potash, Soluble as K2O	19.7	18.80 %	Pass
Sulfur	10.9	10.41 %	Pass
Zinc, Acid Soluble	0.205	0.22 %	Pass

Product: Fertilizer Blend Mix - Order #529

Sample No: 24N002185

Commercial Value	133.1	137.03	
Nitrogen, Total	38.5	40.08 %	Pass
Overall Index Value		102.95 %	Pass
Phosphate, Available as P2C	8.8	8.40 %	Pass
Sulfur	2.2	1.96 %	Pass
Zinc, Acid Soluble	0.22	0.20 %	Pass

Product: Fertilizer Blend Mix - Order #529

Sample No: 24N002183

Commercial Value	108.3	108.28	
Nitrogen, Total	21.3	21.76 %	Pass
Overall Index Value		99.98 %	Pass
Phosphate, Available as P2C	16	15.35 %	Pass

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Manufacturer: CHS-Alton		Potash, Soluble as K2O	12.4	12.30 %	Pass
Product: AMS		Sulfur	5.66	5.32 %	Pass
		Zinc, Acid Soluble	0.4	0.34 %	Deficient
Manufacturer: CHS-Alton					
Product: AMS					
Sample No:	24N008791				
		Nitrogen, Total	21	21.82 %	Pass
		Sulfur	24	24.71 %	Pass
Manufacturer: CHS-Alton					
Product: DAP					
Sample No:	24N003044				
		Commercial Value	146	149.85	
		Nitrogen, Total	18	19.39 %	Pass
		Overall Index Value		102.64 %	Pass
Sample No:	24N008793	Phosphate, Available as P2C	46	45.84 %	Pass
		Commercial Value	146	146.70	
		Nitrogen, Total	18	18.21 %	Pass
		Overall Index Value		100.48 %	Pass
		Phosphate, Available as P2C	46	46.04 %	Pass
Manufacturer: CHS-Alton					
Product: Potash					
Sample No:	24N003043				
Sample No:	24N008792	Potash, Soluble as K2O	60	61.50 %	Pass
		Potash, Soluble as K2O	60	60.57 %	Pass
Manufacturer: CHS-Brooten					
Product: AMS					
Sample No:	24N002128				
		Nitrogen, Total	21	21.55 %	Pass
Sample No:	24N008976	Sulfur	24	23.78 %	Pass
		Nitrogen, Total	21	21.73 %	Pass
		Sulfur	24	24.01 %	Pass
Manufacturer: CHS-Minneapolis					
Product: 7-23-5 Liquid fertilizer					
Sample No:	24N000855				
		Commercial Value	72	73.61	

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Nitrogen, Total	7	7.57 %	Pass
Overall Index Value		102.24 %	Pass
Phosphate, Available as P2C	23	22.72 %	Pass
Potash, Soluble as K2O	5	5.47 %	Pass

Manufacturer: CHS-Mitchell-Elevator Rd
Product: AMS

Sample No: 24N010248

Nitrogen, Total	21	21.67 %	Pass
Sulfur	24	24.21 %	Pass

Product: MAP

Sample No: 24N008154

Commercial Value	137	137.40	
Nitrogen, Total	11	10.99 %	Pass
Overall Index Value		100.29 %	Pass
Phosphate, Available as P2C	52	52.22 %	Pass

Sample No: 24N010003

Commercial Value	137	137.41	
Nitrogen, Total	11	10.95 %	Pass
Overall Index Value		100.30 %	Pass
Phosphate, Available as P2C	52	52.28 %	Pass

Sample No: 24N010245

Commercial Value	137	136.58	
Nitrogen, Total	11	10.74 %	Pass
Overall Index Value		99.70 %	Pass
Phosphate, Available as P2C	52	52.18 %	Pass

Product: Mesz

Sample No: 24N008157

Commercial Value	116	115.50	
Nitrogen, Total	12	11.97 %	Pass
Overall Index Value		99.57 %	Pass
Phosphate, Available as P2C	40	39.79 %	Pass
Sulfur	10	9.96 %	Pass
Zinc, Acid Soluble	1	0.93 %	Pass

Sample No: 24N010017

Commercial Value	116	114.70	
Nitrogen, Total	12	11.81 %	Pass

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
		Overall Index Value		98.88 %	Pass
		Phosphate, Available as P2C	40	39.63 %	Pass
		Sulfur	10	10.26 %	Pass
		Zinc, Acid Soluble	1	0.90 %	Pass
Sample No:	24N010244				
		Commercial Value	116	114.11	
		Nitrogen, Total	12	11.75 %	Pass
		Overall Index Value		98.37 %	Pass
		Phosphate, Available as P2C	40	39.43 %	Pass
		Sulfur	10	10.20 %	Pass
		Zinc, Acid Soluble	1	0.92 %	Pass
Manufacturer:	CHS-Onida				
Product:	28-0-0 Liquid fertilizer				
Sample No:	24N000853				
		Nitrogen, Total	28	29.61 %	Pass
Manufacturer:	CHS-Selby 1510				
Product:	AMS				
Sample No:	24N009898				
		Nitrogen, Total	20.5	20.81 %	Pass
		Sulfur	24	23.50 %	Pass
Product:	MAP 11-52-0 fertilizer				
Sample No:	24N000904				
		Commercial Value	137	136.44	
		Nitrogen, Total	11	11.39 %	Pass
		Overall Index Value		99.59 %	Pass
		Phosphate, Available as P2C	52	51.13 %	Pass
Product:	Mesz 12-40-0-10S-1ZN fertilizer				
Sample No:	24N000906				
		Commercial Value	116	116.94	
		Nitrogen, Total	12	11.76 %	Pass
		Overall Index Value		100.81 %	Pass
		Phosphate, Available as P2C	40	40.83 %	Pass
		Sulfur	10	9.99 %	Pass
		Zinc, Acid Soluble	1	1.00 %	Pass
Manufacturer:	CHS-Sergeant Bluff				
Product:	Urea				

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Sample No:	24N010018				
		Nitrogen, Total	46	46.50 %	Pass
Manufacturer: CHS-St. Paul					
Product: 46-0-0					
Sample No:	24N003574				
		Nitrogen, Total	46	46.42 %	Pass
Sample No:	24N008975				
		Nitrogen, Total	46	47.57 %	Pass
Product: AMS					
Sample No:	24N002129				
		Nitrogen, Total	21	21.45 %	Pass
		Sulfur	24	24.09 %	Pass
Sample No:	24N003576				
		Nitrogen, Total	21	21.67 %	Pass
		Sulfur	24	24.61 %	Pass
Sample No:	24N009325				
		Nitrogen, Total	21	22.19 %	Pass
		Sulfur	24	24.33 %	Pass
Product: MAP					
Sample No:	24N002131				
		Commercial Value	137	138.89	
		Nitrogen, Total	11	11.78 %	Pass
		Overall Index Value		101.38 %	Pass
		Phosphate, Available as P2C	52	51.78 %	Pass
Sample No:	24N009327				
		Commercial Value	137	135.85	
		Nitrogen, Total	11	11.17 %	Pass
		Overall Index Value		99.16 %	Pass
		Phosphate, Available as P2C	52	51.17 %	Pass
Product: MESZ					
Sample No:	24N003575				
		Commercial Value	116	115.33	
		Nitrogen, Total	12	11.90 %	Pass
		Overall Index Value		99.42 %	Pass
		Phosphate, Available as P2C	40	39.82 %	Pass
		Sulfur	10	9.58 %	Pass

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Sample No:	24N009326	Zinc, Acid Soluble	1	0.86 %	Deficient
		Commercial Value	116	115.68	
		Nitrogen, Total	12	12.32 %	Pass
		Overall Index Value		99.72 %	Pass
		Phosphate, Available as P2C	40	39.36 %	Pass
		Sulfur	10	9.98 %	Pass
		Zinc, Acid Soluble	1	0.90 %	Pass
Product:	Potash Fertilizer (0-0-60)				
Sample No:	24N003501	Potash, Soluble as K2O	60	62.25 %	Pass
Manufacturer:	CHS-Watertown-20th Ave				
Product:	46-0-0				
Sample No:	24N003422	Nitrogen, Total	46	46.22 %	Pass
Product:	AMS				
Sample No:	24N001443	Nitrogen, Total	21	21.26 %	Pass
		Sulfur	24	24.43 %	Pass
Sample No:	24N002953	Nitrogen, Total	21	20.68 %	Pass
		Sulfur	24	23.89 %	Pass
Sample No:	24N006860	Nitrogen, Total	21	21.05 %	Pass
		Sulfur	24	23.84 %	Pass
Product:	MAP				
Sample No:	24N002954	Commercial Value	137	140.68	
		Nitrogen, Total	11	12.22 %	Pass
		Overall Index Value		102.68 %	Pass
		Phosphate, Available as P2C	52	52.01 %	Pass
Sample No:	24N003678	Commercial Value	137	139.51	
		Nitrogen, Total	11	11.97 %	Pass
		Overall Index Value		101.83 %	Pass
		Phosphate, Available as P2C	52	51.81 %	Pass

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Sample No:	24N004250				
		Commercial Value	137	139.62	
		Nitrogen, Total	11	12.48 %	Pass
		Overall Index Value		101.91 %	Pass
		Phosphate, Available as P2C	52	51.09 %	Pass
Sample No:	24N006858				
		Commercial Value	137	137.80	
		Nitrogen, Total	11	11.34 %	Pass
		Overall Index Value		100.59 %	Pass
		Phosphate, Available as P2C	52	51.89 %	Pass
Sample No:	24N008977				
		Commercial Value	137	140.47	
		Nitrogen, Total	11	12.03 %	Pass
		Overall Index Value		102.53 %	Pass
		Phosphate, Available as P2C	52	52.19 %	Pass
Product:	Potash				
Sample No:	24N001444				
		Potash, Soluble as K2O	60	62.37 %	Pass
Sample No:	24N002130				
		Potash, Soluble as K2O	60	59.74 %	Pass
Sample No:	24N002937				
		Potash, Soluble as K2O	60	58.50 %	Pass
Sample No:	24N006853				
		Potash, Soluble as K2O	60	58.82 %	Pass
Sample No:	24N008978				
		Potash, Soluble as K2O	60	59.86 %	Pass
Manufacturer:	CHS-Winona				
Product:	AMS				
Sample No:	24N008156				
		Nitrogen, Total	21	21.67 %	Pass
		Sulfur	24	24.02 %	Pass
Sample No:	24N010016				
		Nitrogen, Total	21	20.45 %	Pass
		Sulfur	24	23.14 %	Pass
Manufacturer:	CHS-Worthing				
Product:	AMS				

<u>Sample No:</u>	<u>24N010408</u>	<u>Analyte</u>	<u>Claim</u>	<u>Found</u>	<u>Unit</u>	<u>Disposition</u>
		Nitrogen, Total	20.5	20.30	%	Pass
		Sulfur	24	24.47	%	Pass
Product:	DAP					
Sample No:	24N010411					
		Commercial Value	146	145.98		
		Nitrogen, Total	18	17.83	%	Pass
		Overall Index Value		99.98	%	Pass
		Phosphate, Available as P2C	46	46.24	%	Pass
Manufacturer:	Cone Ag-Pierre					
Product:	10-34-0 Liquid Fertilizer					
Sample No:	24N003754					
		Commercial Value	98	96.53		
		Nitrogen, Total	10	10.27	%	Pass
		Overall Index Value		98.50	%	Pass
		Phosphate, Available as P2C	34	32.86	%	Deficient
Sample No:	24N005416					
		Commercial Value	98	96.07		
		Nitrogen, Total	10	10.99	%	Pass
		Overall Index Value		98.03	%	Pass
		Phosphate, Available as P2C	34	31.55	%	Deficient
Product:	27-0-0-1(s) Liquid Fertilizer					
Sample No:	24N005417					
		Nitrogen, Total	27	26.56	%	Pass
		Sulfur	1.0	0.75	%	Pass
Product:	27-0-0-1s [s=sulfur] Liquid Fertil					
Sample No:	24N003756					
		Nitrogen, Total	27	25.85	%	Deficient
		Sulfur	1.0	1.38	%	
Product:	Cone Ag liquid 10-34-0 to Leber					
Sample No:	24N003506					
		Commercial Value	98	99.47		
		Nitrogen, Total	10	10.83	%	Pass
		Overall Index Value		101.50	%	Pass
		Phosphate, Available as P2C	34	33.49	%	Pass
Product:	Cone Ag liquid 10-34-0 to Leber					

Sample No:	Analyte	Claim	Found Unit	Disposition
24N003507	Commercial Value	98	96.64	
	Nitrogen, Total	10	10.06 %	Pass
	Overall Index Value		98.61 %	Pass
	Phosphate, Available as P2C	34	33.23 %	Pass
Product: Liquid Fertilizer (10-34-0)				
Sample No: 24N003500				
	Commercial Value	98	101.14	
	Nitrogen, Total	10	11.32 %	Pass
	Overall Index Value		103.20 %	Pass
	Phosphate, Available as P2C	34	33.59 %	Pass
Manufacturer: Dakota Mill & Grain --Highn				
Product: Liquid Fertilizer (28-0-0)				
Sample No: 24N003498				
	Nitrogen, Total	28	29.00 %	Pass
Manufacturer: Dr. Earth				
Product: Dr Earth Fruit Tree Fertilizer (5-1				
Sample No: 24N007424				
	Commercial Value	27	37.77	
	Nitrogen, Total	5	7.08 %	Pass
	Overall Index Value		139.90 %	Pass
	Phosphate, Available as P2C	5	6.85 %	Pass
	Potash, Soluble as K2O	2	2.83 %	Pass
Product: Dr Earth Fruit Tree Fertilizer				
Sample No: 24N010380				
	Commercial Value (STPB)	27	33.12	
	Nitrogen, Total	5	5.93 %	Pass
	Overall Index Value (STPB)		122.68 %	Pass
	Phosphate, Available as P2C	5	6.41 %	Pass
	Potash, Soluble (STPB) as K	2	2.52 %	Pass
Product: Dr. Earth Fruit & Tree Fertilizer (
Sample No: 24N001297				
	Commercial Value	27	35.67	
	Nitrogen, Total	5	7.03 %	Pass
	Overall Index Value		132.13 %	Pass
	Phosphate, Available as P2C	5	6.17 %	Pass

	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Manufacturer: DYNO Nobel	Potash, Soluble as K2O	2	2.25 %	Pass
Product: Liquid fertilizer 28-0-0 derived fr				
Sample No: 24N008982				
	Nitrogen, Total	28	28.71 %	Pass
Manufacturer: Easy Gardener Inc				
Product: Jobs Fertilizer Spikes				
Sample No: 24N005289				
	Commercial Value	49	60.82	
	Nitrogen, Total	13	15.74 %	Pass
	Overall Index Value		124.13 %	Pass
	Phosphate, Available as P2C	3	4.19 %	Pass
Sample No: 24N006852	Potash, Soluble as K2O	4	5.22 %	Pass
	Commercial Value	63	81.69	
	Nitrogen, Total	9	12.80 %	Pass
	Overall Index Value		129.67 %	Pass
	Phosphate, Available as P2C	12	14.35 %	Pass
	Potash, Soluble as K2O	12	14.60 %	Pass
Product: Jobs Fertilizer Spikes for Vege				
Sample No: 24N003281				
	Commercial Value	24	73.04	
	Nitrogen, Total	2	6.75 %	Pass
	Overall Index Value		304.33 %	Pass
	Phosphate, Available as P2C	7	23.50 %	Pass
	Potash, Soluble as K2O	4	5.78 %	Pass
Product: Jobs flowering plants fertilizer :				
Sample No: 24N006030				
	Commercial Value	54	62.85	
	Nitrogen, Total	10	12.29 %	Pass
	Overall Index Value		116.39 %	Pass
	Phosphate, Available as P2C	10	10.93 %	Pass
	Potash, Soluble as K2O	4	4.13 %	Pass
Product: Jobs Organics Fertilizer Spikes				
Sample No: 24N000270				
	Commercial Value	24	46.02	

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Nitrogen, Total	2	5.35 %	Pass
Overall Index Value		191.75 %	Pass
Phosphate, Available as P2C	7	10.84 %	Pass
Potash, Soluble as K2O	4	8.30 %	Pass

Product: Jobs Rose Fertilizer Spikes

Sample No: 24N006040

Commercial Value	60	97.13	
Nitrogen, Total	9	13.52 %	Pass
Overall Index Value		161.88 %	Pass
Phosphate, Available as P2C	12	20.62 %	Pass
Potash, Soluble as K2O	9	15.31 %	Pass

Product: Jobs Tree Fertilizer Spikes

Sample No: 24N006029

Commercial Value	54	69.49	
Nitrogen, Total	15	18.88 %	Pass
Overall Index Value		128.69 %	Pass
Phosphate, Available as P2C	3	4.02 %	Pass
Potash, Soluble as K2O	3	4.80 %	Pass

Manufacturer: Easy Gardener, Inc--Paris

Product: Jobs Organics Vegetable Fertil

Sample No: 24N004669

Commercial Value	24	30.51	
Nitrogen, Total	2	4.09 %	Pass
Overall Index Value		127.14 %	Pass
Phosphate, Available as P2C	7	5.60 %	Deficient
Potash, Soluble as K2O	4	7.05 %	Pass

Manufacturer: Eau Claire Coop

Product: Ideal All Purpose Fertilizer 10-10

Sample No: 24N005379

Commercial Value	60	60.22	
Nitrogen, Total	10	9.75 %	Pass
Overall Index Value		100.37 %	Pass
Phosphate, Available as P2C	10	10.31 %	Pass
Potash, Soluble as K2O	10	10.35 %	Pass

Product: Lawn food

Sample No: 24N004688

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Commercial Value	82	85.07	
Iron	1.0	1.20 %	Pass
Nitrogen, Total	26	27.10 %	Pass
Overall Index Value		104.00 %	Pass
Potash, Soluble as K2O	1	3.77 %	Pass

Product: Menards Starter Fertilizer

Sample No: 24N002625

Commercial Value	101	104.83	
Iron	1.0	1.71 %	Pass
Nitrogen, Total	15.0	15.34 %	Pass
Overall Index Value		103.79 %	Pass
Phosphate, Available as P2C	23.0	24.13 %	Pass
Potash, Soluble as K2O	10.0	10.56 %	Pass

Product: Starter fertilizer

Sample No: 24N004687

Commercial Value	90	97.93	
Nitrogen, Total	12.0	13.50 %	Pass
Overall Index Value		108.81 %	Pass
Phosphate, Available as P2C	24	25.36 %	Pass
Potash, Soluble as K2O	6.0	6.73 %	Pass

Sample No: 24N005380

Commercial Value	72	76.10	
Iron	1.0	1.28 %	Pass
Nitrogen, Total	10	10.84 %	Pass
Overall Index Value		105.70 %	Pass
Phosphate, Available as P2C	18.0	18.61 %	Pass
Potash, Soluble as K2O	6.0	6.38 %	Pass

Manufacturer: EC Grow

Product: Crabgrass Fertilizer

Sample No: 24N000798

Commercial Value	81	80.45	
Iron	1.0	1.43 %	Pass
Nitrogen, Total	26.0	25.78 %	Pass
Overall Index Value		99.31 %	Pass
Potash, Soluble as K2O	3.0	3.11 %	Pass

Product: Fall Lawn Food

Sample No:	Analyte	Claim	Found Unit	Disposition
24N000797	Commercial Value	76	81.97	
	Iron	1.0	1.35 %	Pass
	Nitrogen, Total	22.0	24.02 %	Pass
	Overall Index Value		107.85 %	Pass
	Potash, Soluble as K2O	10.0	9.91 %	Pass
Product: Menards Lawn Food				
Sample No: 24N005286	Commercial Value	93	98.42	
	Iron	1.0	1.05 %	Pass
	Nitrogen, Total	30.0	31.64 %	Pass
	Overall Index Value		105.82 %	Pass
	Potash, Soluble as K2O	3.0	3.50 %	Pass
Product: Menards Starter Fertilizer				
Sample No: 24N005285	Commercial Value (STPB)	101	107.70	
	Iron	1.0	1.06 %	Pass
	Nitrogen, Total	15.0	16.31 %	Pass
	Overall Index Value (STPB)		106.63 %	Pass
	Phosphate, Available as P2C	23.0	25.04 %	Pass
	Potash, Soluble as K2O	10.0	8.54 %	Deficient
	Potash, Soluble (STPB) as K	10	8.69 %	Deficient
Manufacturer: Espoma Company				
Product: Espoma Company Organic tom:				
Sample No: 24N006042	Calcium	1	0.86 %	Pass
	Commercial Value	10	16.25	
	Nitrogen, Total	1	1.43 %	Pass
	Overall Index Value		162.50 %	Pass
	Phosphate, Available as P2C	3	2.99 %	Pass
	Potash, Soluble as K2O	1	5.97 %	Pass
Product: Espoma Garden Food (10-10-10)				
Sample No: 24N004670	Commercial Value (STPB)	60	61.26	
	Nitrogen, Total	10	9.83 %	Pass
	Overall Index Value (STPB)		102.09 %	Pass

	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
	Phosphate, Available as P2C	10	11.23 %	Pass
	Potash, Soluble (STPB) as K	10	9.33 %	Pass
Product:	Espoma Garden Food (5-10-5)			
Sample No:	24N004684			
	Commercial Value	40	40.55	
	Nitrogen, Total	5	5.07 %	Pass
	Overall Index Value		101.37 %	Pass
	Phosphate, Available as P2C	10	10.35 %	Pass
	Potash, Soluble as K2O	5	4.63 %	Pass
Product:	Organic Cactus Plant Food			
Sample No:	24N000272			
	Commercial Value	9	12.45	
	Nitrogen, Total	1	1.08 %	Pass
	Overall Index Value		138.37 %	Pass
	Phosphate, Available as P2C	2	2.45 %	Pass
	Potash, Soluble as K2O	2	4.31 %	Pass
Product:	Organic Indoor Houseplant Food			
Sample No:	24N000271			
	Commercial Value	12	15.65	
	Nitrogen, Total	2	1.95 %	Pass
	Overall Index Value		130.38 %	Pass
	Phosphate, Available as P2C	2	2.34 %	Pass
	Potash, Soluble as K2O	2	5.12 %	Pass
Product:	Organic Tomato & Vegetable fer			
Sample No:	24N004577			
	Calcium	1.00	1.10 %	Pass
	Commercial Value	10	15.71	
	Nitrogen, Total	1.00	1.35 %	Pass
	Overall Index Value		157.10 %	Pass
	Phosphate, Available as P2C	3.00	3.22 %	Pass
	Potash, Soluble as K2O	1.00	5.23 %	Pass
Manufacturer:	EuroChem North America C			
Product:	11-52-0			
Sample No:	24N008149			
	Commercial Value	137	139.12	
	Nitrogen, Total	11	11.55 %	Pass

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Sample No:	24N009405	Overall Index Value		101.55 %	Pass
		Phosphate, Available as P2C	52	52.24 %	Pass
		Commercial Value	137	141.64	
		Nitrogen, Total	11	12.28 %	Pass
		Overall Index Value		103.39 %	Pass
		Phosphate, Available as P2C	52	52.40 %	Pass
Product: MAP					
Sample No:	24N010334				
		Commercial Value	137	139.80	
		Nitrogen, Total	11	11.60 %	Pass
		Overall Index Value		102.04 %	Pass
		Phosphate, Available as P2C	52	52.50 %	Pass
Product: Potash					
Sample No:	24N003579				
		Potash, Soluble as K2O	60	59.02 %	Pass
Manufacturer: Farmers Pride -Battle Creel					
Product:	MAP				
Sample No:	24N001663				
		Commercial Value	137	137.73	
		Nitrogen, Total	11	11.28 %	Pass
		Overall Index Value		100.53 %	Pass
		Phosphate, Available as P2C	52	51.95 %	Pass
Manufacturer: Fertilome					
Product:	Fish Emulsion Fertilizer				
Sample No:	24N007482				
		Commercial Value	18	25.94	
		Nitrogen, Total	5	5.10 %	Pass
		Overall Index Value		144.11 %	Pass
		Phosphate, Available as P2C	1	4.84 %	Pass
		Potash, Soluble as K2O	1	0.96 %	Pass
Product: Garden cote					
Sample No:	24N007483				
		Commercial Value	72	77.47	
		Iron	0.33	0.67 %	Pass
		Magnesium, Acid Soluble	0.60	1.41 %	Pass

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Magnesium, Water Soluble	0.60	1.26 %	Pass
Manganese, Acid Soluble	0.06	0.12 %	Pass
Manganese, Water Soluble	0.06	0.11 %	Pass
Nitrogen, Total	12.00	14.25 %	Pass
Overall Index Value		107.60 %	Pass
Phosphate, Available as P2C	12.00	10.87 %	Deficient
Potash, Soluble as K2O	12.00	12.98 %	Pass
Sulfur	6.10	6.62 %	Pass

Manufacturer: Fremar LLC-Marion

Product: MAP 11-52-0

Sample No: 24N010010

Commercial Value	137	136.22	
Nitrogen, Total	11	10.71 %	Pass
Overall Index Value		99.43 %	Pass
Phosphate, Available as P2C	52	52.05 %	Pass

Manufacturer: GroTec Inc.

Product: Expert Garden All Purpose Plan

Sample No: 24N004955

Commercial Value	53	60.48	
Iron	0.50	0.82 %	Pass
Manganese, Acid Soluble	0.20	0.22 %	Pass
Nitrogen, Total	12.00	13.70 %	Pass
Overall Index Value		114.12 %	Pass
Phosphate, Available as P2C	5.00	5.44 %	Pass
Potash, Soluble as K2O	7.00	8.50 %	Pass
Zinc, Acid Soluble	0.05	0.07 %	Pass

Product: Expert Gardener All-Purpose Pl

Sample No: 24N008122

Commercial Value	53	60.45	
Iron	0.50	0.93 %	Pass
Manganese, Acid Soluble	0.20	0.21 %	Pass
Nitrogen, Total	12.00	13.15 %	Pass
Overall Index Value		114.05 %	Pass
Phosphate, Available as P2C	5.00	6.85 %	Pass
Potash, Soluble as K2O	7.00	7.29 %	Pass
Zinc, Acid Soluble	0.05	0.05 %	Pass

Product:	Analyte	Claim	Found Unit	Disposition
Expert Gardener Evergreen Tree				
Sample No:	24N008072			
	Commercial Value	64	68.46	
	Iron	1.00	1.61 %	Pass
	Manganese, Acid Soluble	0.20	0.19 %	Pass
	Nitrogen, Total	16.00	17.76 %	Pass
	Overall Index Value		106.97 %	Pass
	Phosphate, Available as P2C	4.00	3.64 %	Pass
	Potash, Soluble as K2O	8.00	7.90 %	Pass
	Zinc, Acid Soluble	0.05	0.05 %	Pass
Expert Gardener Plant Food (24				
Sample No:	24N008071			
	Boron, Acid Soluble	0.02	0.02 %	Pass
	Commercial Value	104	109.27	
	Copper	0.07	0.07 %	Pass
	Iron	0.15	0.15 %	Pass
	Manganese, Acid Soluble	0.05	0.05 %	Pass
	Nitrogen, Total	24.00	25.22 %	Pass
	Overall Index Value		105.07 %	Pass
	Phosphate, Available as P2C	8.00	8.45 %	Pass
	Potash, Soluble as K2O	16.00	16.71 %	Pass
	Zinc, Acid Soluble	0.06	0.06 %	Pass
	Zinc, Water Soluble	0.06	0.04 %	Deficient
Expert Lawn Fertilizer				
Sample No:	24N004952			
	Commercial Value	94	97.43	
	Iron	2	1.81 %	Pass
	Nitrogen, Total	30	31.10 %	Pass
	Overall Index Value		103.65 %	Pass
	Potash, Soluble as K2O	4	4.13 %	Pass
Expert Tomato & Veg Garden PI				
Sample No:	24N004954			
	Calcium	3.00	5.80 %	Pass
	Commercial Value	61	63.00	
	Iron	1.00	1.44 %	Pass
	Magnesium, Acid Soluble	2.00	4.55 %	Pass

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Magnesium, Water Soluble	2.0	2.29 %	Pass
Manganese, Acid Soluble	0.20	0.23 %	Pass
Nitrogen, Total	12.00	12.32 %	Pass
Overall Index Value		103.27 %	Pass
Phosphate, Available as P2C	10.00	10.53 %	Pass
Potash, Soluble as K2O	5.00	4.98 %	Pass
Sulfur	7.00	8.70 %	Pass
Zinc, Acid Soluble	0.05	0.06 %	Pass

Product: sta green Tomato & Vegetable F

Sample No: 24N007376

Commercial Value	111	119.24	
Copper	0.05	0.06 %	Pass
Iron	0.10	0.13 %	Pass
Magnesium, Acid Soluble	0.50	0.04 %	Deficient
Magnesium, Water Soluble	0.50	0.04 %	Deficient
Manganese, Acid Soluble	0.05	0.06 %	Pass
Nitrogen, Total	18.00	18.68 %	Pass
Overall Index Value		107.42 %	Pass
Phosphate, Available as P2C	18.00	20.89 %	Pass
Potash, Soluble as K2O	21.00	21.42 %	Pass
Sulfur	1.47	1.49 %	Pass
Zinc, Acid Soluble	0.05	0.05 %	Pass
Zinc, Water Soluble	0.05	0.05 %	Pass

Manufacturer: Helena AGri --Menno SD

Product: AMS 21-0-0-24

Sample No: 24N008781

Nitrogen, Total	21	21.24 %	Pass
Sulfur	24	24.32 %	Pass

Manufacturer: Hoven Coop Service

Product: MES10

Sample No: 24N009899

Commercial Value	116	92.86	
Nitrogen, Total	12	13.11 %	Pass
Overall Index Value		80.05 %	Deficient
Phosphate, Available as P2C	40	26.77 %	Deficient
Sulfur	10	10.89 %	Pass

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Manufacturer: Interoceanic Corp--Sioux C					
Product: AMS					
Sample No:	24N001667				
		Nitrogen, Total	21	21.03 %	Pass
		Sulfur	24	24.01 %	Pass
Sample No:	24N008152				
		Nitrogen, Total	21	21.63 %	Pass
		Sulfur	24	24.82 %	Pass
Manufacturer: Interoceanic Corp--White P					
Product: AMS					
Sample No:	24N002628				
		Nitrogen, Total	21	20.63 %	Pass
		Sulfur	24	24.56 %	Pass
Sample No:	24N009683				
		Nitrogen, Total	21	20.77 %	Pass
		Sulfur	24	25.17 %	Pass
Manufacturer: Itafos Conda-Soda Springs					
Product: 11-52-0					
Sample No:	24N008969				
		Commercial Value	137	139.95	
		Nitrogen, Total	11	11.46 %	Pass
		Overall Index Value		102.15 %	Pass
		Phosphate, Available as P2C	52	52.79 %	Pass
Product: Ammonium Phosphate Sulfate (
Sample No:	24N008378				
		Commercial Value	114	121.78	
		Nitrogen, Total	12	13.96 %	Pass
		Overall Index Value		106.83 %	Pass
		Phosphate, Available as P2C	39	39.95 %	Pass
		Sulfur	6	6.72 %	Pass
Product: Ammonium Phosphate Sulfate 1					
Sample No:	24N009639				
		Commercial Value	114	120.95	
		Nitrogen, Total	12	13.57 %	Pass
		Overall Index Value		106.10 %	Pass
		Phosphate, Available as P2C	39	40.12 %	Pass

	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Product: Fertilizer 12-39-0-6s Ammonium	Sulfur	6	6.86 %	Pass
Sample No: 24N007905				
	Commercial Value	114	122.76	
	Nitrogen, Total	12	13.95 %	Pass
	Overall Index Value		107.68 %	Pass
	Phosphate, Available as P2C	39	40.45 %	Pass
	Sulfur	6	6.57 %	Pass
Product: MAP (11-52-0) Monoammonium				
Sample No: 24N002136				
	Commercial Value	137	139.46	
	Nitrogen, Total	11	11.27 %	Pass
	Overall Index Value		101.79 %	Pass
	Phosphate, Available as P2C	52	52.82 %	Pass
Product: Monoammonium Phosphate (M)				
Sample No: 24N003747				
	Commercial Value	137	140.61	
	Nitrogen, Total	11	11.85 %	Pass
	Overall Index Value		102.64 %	Pass
	Phosphate, Available as P2C	52	52.53 %	Pass
Sample No: 24N009637				
	Commercial Value	137	139.21	
	Nitrogen, Total	11.0	11.37 %	Pass
	Overall Index Value		101.61 %	Pass
	Phosphate, Available as P2C	52.0	52.55 %	Pass
Manufacturer: J.R. Peters Inc.				
Product: All purpose plant food				
Sample No: 24N007467				
	Boron, Acid Soluble	0.02	0.02 %	Pass
	Commercial Value	120	129.42	
	Copper	0.05	0.05 %	Pass
	Iron	0.10	0.14 %	Pass
	Manganese, Acid Soluble	0.05	0.06 %	Pass
	Nitrogen, Total	20	22.70 %	Pass
	Overall Index Value		107.85 %	Pass
	Phosphate, Available as P2C	20	19.85 %	Pass

	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Sample No: 24N007485	Potash, Soluble as K2O	20	21.62 %	Pass
	Zinc, Acid Soluble	0.05	0.06 %	Pass
	Zinc, Chelated	0.05	0.06 %	Pass
	Boron, Acid Soluble	0.02	0.01 %	Deficient
	Commercial Value	120	130.91	
	Copper	0.05	0.05 %	Pass
	Iron	0.10	0.11 %	Pass
	Manganese, Acid Soluble	0.05	0.06 %	Pass
	Nitrogen, Total	20	22.25 %	Pass
	Overall Index Value		109.09 %	Pass
	Phosphate, Available as P2C	20	20.64 %	Pass
	Potash, Soluble as K2O	20	22.88 %	Pass
	Zinc, Acid Soluble	0.05	0.05 %	Pass

Product: Jack's Blossom Booster (10-30-

Sample No: 24N006477

Boron, Acid Soluble	.02	0.02 %	Pass
Commercial Value	110	116.50	
Copper	.05	0.05 %	Pass
Iron	.10	0.11 %	Pass
Magnesium, Acid Soluble	.50	0.62 %	Pass
Magnesium, Water Soluble	.50	0.63 %	Pass
Manganese, Acid Soluble	.05	0.06 %	Pass
Nitrogen, Total	10	10.82 %	Pass
Overall Index Value		105.91 %	Pass
Phosphate, Available as P2C	30	31.70 %	Pass
Potash, Soluble as K2O	20	20.65 %	Pass
Zinc, Acid Soluble	.05	0.06 %	Pass
Zinc, Chelated	.05	0.06 %	Pass

Product: Jack's Classic Tomato FeED (12

Sample No: 24N004575

Boron, Acid Soluble	.02	0.02 %	Pass
Calcium	0.50	0.48 %	Pass
Commercial Value	96	101.04	
Copper	0.05	0.05 %	Pass
Iron	0.10	0.10 %	Pass

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Magnesium, Acid Soluble	0.30	0.34 %	Pass
Magnesium, Water Soluble	0.30	0.36 %	Pass
Manganese, Acid Soluble	0.05	0.06 %	Pass
Nitrogen, Total	12	12.73 %	Pass
Overall Index Value		105.25 %	Pass
Phosphate, Available as P2C	15	15.06 %	Pass
Potash, Soluble as K2O	30	32.73 %	Pass
Zinc, Acid Soluble	0.05	0.05 %	Pass
Zinc, Chelated	0.05	0.06 %	Pass

Product: Jack's ClassiCote Fertilizer (15-

Sample No: 24N006480

Commercial Value	84	90.05	
Iron	0.6	0.66 %	Pass
Magnesium, Acid Soluble	1.3	1.70 %	Pass
Magnesium, Water Soluble	0.3	1.25 %	Pass
Manganese, Acid Soluble	0.09	0.12 %	Pass
Manganese, Water Soluble	0.09	0.03 %	Deficient
Nitrogen, Total	15	16.12 %	Pass
Overall Index Value		107.21 %	Pass
Phosphate, Available as P2C	8	8.56 %	Pass
Potash, Soluble as K2O	23	24.57 %	Pass
Sulfur	2.4	1.72 %	Deficient

Manufacturer: JR Simplot Company-Boise

Product: 40 Rock 12-4--0-6.5x-1zn

Sample No: 24N001666

Commercial Value	116	118.41	
Nitrogen, Total	12	12.98 %	Pass
Overall Index Value		102.08 %	Pass
Phosphate, Available as P2C	40	39.74 %	Pass
Sulfur	6.5	6.70 %	Pass
Zinc, Acid Soluble	1	0.95 %	Pass

Product: MAP

Sample No: 24N001668

Commercial Value	137	138.85	
Nitrogen, Total	11	11.61 %	Pass
Overall Index Value		101.35 %	Pass

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Manufacturer: JR Simplot Company-Poca		Phosphate, Available as P2C	52	52.01 %	Pass
Product: MAP					
Sample No: 24N002722					
		Commercial Value	137	139.70	
		Nitrogen, Total	11	11.64 %	Pass
		Overall Index Value		101.97 %	Pass
		Phosphate, Available as P2C	52	52.39 %	Pass
Manufacturer: K & S Potash Canada					
Product: 0-0-60					
Sample No: 24N009404					
		Potash, Soluble as K2O	60	60.00 %	Pass
Product: Potash					
Sample No: 24N009778					
		Potash, Soluble as K2O	60	61.45 %	Pass
Sample No: 24N010271					
		Potash, Soluble (STPB) as K	60	61.48 %	Pass
Manufacturer: Kinder Morgan Dakota					
Product: DAP 18-46-0					
Sample No: 24N010005					
		Commercial Value	146	145.86	
		Nitrogen, Total	18	17.98 %	Pass
		Overall Index Value		99.91 %	Pass
		Phosphate, Available as P2C	46	45.96 %	Pass
Manufacturer: Kingfisher Enterprises, LLC					
Product: Dankyield Green Formula (4-2-0)					
Sample No: 24N003153					
		Calcium	0.09	0.36 %	Pass
		Commercial Value	16	21.30	
		Magnesium, Acid Soluble	0.04	0.04 %	Pass
		Nitrogen, Total	4	3.57 %	Pass
		Overall Index Value		133.10 %	Pass
		Phosphate, Available as P2C	2	5.29 %	Pass
		Sodium	2	0.28 %	Deficient
		Sulfur	1	0.11 %	Deficient
Manufacturer: Knox Fertilizer Company, Inc					

Product:	Analyte	Claim	Found Unit	Disposition
Product: All purpose plant food				
Sample No: 24N007856				
	Commercial Value	70	85.94	
	Iron	0.10	0.11 %	Pass
	Manganese, Acid Soluble	0.05	0.05 %	Pass
	Nitrogen, Total	10	11.18 %	Pass
	Overall Index Value		122.77 %	Pass
	Phosphate, Available as P2C	15	20.76 %	Pass
	Potash, Soluble as K2O	10	10.88 %	Pass
	Zinc, Acid Soluble	0.05	0.04 %	Pass
	Zinc, Chelated	0.05	0.04 %	Deficient
Product: Green Thumb Winterizer 32-0-1				
Sample No: 24N004957				
	Commercial Value	106	107.80	
	Nitrogen, Total	32	32.61 %	Pass
	Overall Index Value		101.70 %	Pass
	Potash, Soluble as K2O	10	9.97 %	Pass
Product: Lawn Fertilizer 27-0-3				
Sample No: 24N004958				
	Commercial Value	84	84.54	
	Iron	2	1.85 %	Pass
	Nitrogen, Total	27	27.23 %	Pass
	Overall Index Value		100.64 %	Pass
	Potash, Soluble as K2O	3	2.85 %	Pass
Product: Nursery plus				
Sample No: 24N007858				
	Boron, Acid Soluble	0.02	0.02 %	Pass
	Commercial Value	54	61.38	
	Copper	0.08	0.08 %	Pass
	Iron	0.42	2.10 %	Pass
	Manganese, Acid Soluble	0.08	0.07 %	Pass
	Manganese, Water Soluble	0.01	0.01 %	Pass
	Nitrogen, Total	12.00	14.08 %	Pass
	Overall Index Value		113.67 %	Pass
	Phosphate, Available as P2C	6.00	6.29 %	Pass
	Potash, Soluble as K2O	6.00	6.56 %	Pass

	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
	Zinc, Acid Soluble	0.08	0.13 %	Pass
	Zinc, Water Soluble	0.01	0.01 %	Pass
Product: Plant food				
	Sample No:	24N007853		
	Commercial Value	70	73.96	
	Iron	0.10	0.12 %	Pass
	Manganese, Acid Soluble	0.05	0.05 %	Pass
	Nitrogen, Total	10	10.50 %	Pass
	Overall Index Value		105.66 %	Pass
	Phosphate, Available as P2C	15	15.91 %	Pass
	Potash, Soluble as K2O	10	10.65 %	Pass
	Zinc, Acid Soluble	0.05	0.05 %	Pass
	Zinc, Chelated	0.05	0.05 %	Pass
Product: Schultz All Purose Liquid Plant				
	Sample No:	24N002623		
	Commercial Value	70	73.01	
	Iron	0.10	0.11 %	Pass
	Manganese, Acid Soluble	0.05	0.05 %	Pass
	Nitrogen, Total	10	9.81 %	Pass
	Overall Index Value		104.30 %	Pass
	Phosphate, Available as P2C	15	16.71 %	Pass
	Potash, Soluble as K2O	10	10.16 %	Pass
	Zinc, Acid Soluble	0.05	0.02 %	Deficient
	Zinc, Chelated	0.05	0.02 %	Deficient
Product: Schultz All Purpose Plant Food				
	Sample No:	24N004234		
	Boron, Acid Soluble	0.02	0.02 %	Pass
	Commercial Value	120	119.16	
	Copper	0.07	0.08 %	Pass
	Iron	0.325	0.38 %	Pass
	Manganese, Acid Soluble	0.07	0.09 %	Pass
	Manganese, Water Soluble	0.07	0.09 %	Pass
	Nitrogen, Total	20.00	19.02 %	Deficient
	Overall Index Value		99.30 %	Pass
	Phosphate, Available as P2C	20	20.60 %	Pass
	Potash, Soluble as K2O	20	20.88 %	Pass

	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Sample No: 24N005039	Zinc, Acid Soluble	0.07	0.07 %	Pass
	Zinc, Water Soluble	0.07	0.01 %	Deficient
	Boron, Acid Soluble	0.02	0.02 %	Pass
	Commercial Value	120	124.81	
	Copper	0.07	0.06 %	Pass
	Iron	0.325	0.34 %	Pass
	Manganese, Acid Soluble	0.07	0.07 %	Pass
	Manganese, Water Soluble	0.07	0.07 %	Pass
	Nitrogen, Total	20.00	20.58 %	Pass
	Overall Index Value		104.01 %	Pass
	Phosphate, Available as P2C	20.00	21.10 %	Pass
	Potash, Soluble as K2O	20.00	20.86 %	Pass
	Zinc, Acid Soluble	0.07	0.07 %	Pass
	Zinc, Water Soluble	0.07	0.01 %	Deficient

Product: Schultz Bloom Food 12-24-12 S

Sample No: 24N000828

Boron, Acid Soluble	0.02	0.03 %	Pass
Commercial Value	96	99.10	
Copper	0.05	0.07 %	Pass
Iron	1.11	1.94 %	Pass
Manganese, Acid Soluble	0.05	0.08 %	Pass
Nitrogen, Total	12.00	12.82 %	Pass
Overall Index Value		103.23 %	Pass
Phosphate, Available as P2C	24.00	24.03 %	Pass
Potash, Soluble as K2O	12.00	12.59 %	Pass
Zinc, Acid Soluble	0.05	0.11 %	Pass

Product: Schultz Cactus Liquid Plant Foo

Sample No: 24N006880

Commercial Value	27	35.04	
Iron	0.10	0.12 %	Pass
Manganese, Acid Soluble	0.05	0.05 %	Pass
Nitrogen, Total	2	4.01 %	Pass
Overall Index Value		129.79 %	Pass
Phosphate, Available as P2C	7	7.77 %	Pass
Potash, Soluble as K2O	7	7.47 %	Pass

	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
	Zinc, Acid Soluble	0.05	0.05 %	Pass
	Zinc, Chelated	0.05	0.05 %	Pass
Product: Schultz Cactus Liquid Plant Foo				
Sample No: 24N004230				
	Commercial Value	27	31.92	
	Iron	0.10	0.11 %	Pass
	Manganese, Acid Soluble	0.05	0.05 %	Pass
	Nitrogen, Total	2	2.64 %	Pass
	Overall Index Value		118.21 %	Pass
	Phosphate, Available as P2C	7	8.26 %	Pass
	Potash, Soluble as K2O	7	7.47 %	Pass
	Zinc, Acid Soluble	0.05	0.04 %	Pass
	Zinc, Chelated	0.05	0.05 %	Pass
Product: Schultz Orchid Food 20-20-15				
Sample No: 24N000829				
	Boron, Acid Soluble	0.02	0.02 %	Pass
	Commercial Value	115	126.71	
	Copper	0.07	0.07 %	Pass
	Iron	0.325	0.36 %	Pass
	Manganese, Acid Soluble	0.07	0.07 %	Pass
	Manganese, Water Soluble	0.07	0.08 %	Pass
	Nitrogen, Total	20.00	22.68 %	Pass
	Overall Index Value		110.18 %	Pass
	Phosphate, Available as P2C	20.00	21.31 %	Pass
	Potash, Soluble as K2O	15.00	16.06 %	Pass
	Zinc, Acid Soluble	0.07	0.06 %	Pass
Product: Schultz Plant Food (10-15-10)				
Sample No: 24N006879				
	Commercial Value	70	75.29	
	Iron	0.10	0.11 %	Pass
	Manganese, Acid Soluble	0.05	0.05 %	Pass
	Nitrogen, Total	10	11.75 %	Pass
	Overall Index Value		107.56 %	Pass
	Phosphate, Available as P2C	15	15.33 %	Pass
	Potash, Soluble as K2O	10	9.38 %	Pass
	Zinc, Acid Soluble	0.05	0.05 %	Pass

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Sample No:	24N007352	Zinc, Chelated	0.05	0.05 %	Pass
		Commercial Value	70	74.62	
		Iron	0.10	0.12 %	Pass
		Manganese, Acid Soluble	0.05	0.06 %	Pass
		Nitrogen, Total	10	10.61 %	Pass
		Overall Index Value		106.60 %	Pass
		Phosphate, Available as P2C	15	16.31 %	Pass
		Potash, Soluble as K2O	10	10.18 %	Pass
		Zinc, Acid Soluble	0.05	0.05 %	Pass
		Zinc, Chelated	0.05	0.05 %	Pass
Product:	Schultz Starter Plus Transplantii				
Sample No:	24N002620				
		Commercial Value	40	42.31	
		Iron	0.10	0.11 %	Pass
		Nitrogen, Total	5	5.64 %	Pass
		Overall Index Value		105.77 %	Pass
		Phosphate, Available as P2C	10	9.94 %	Pass
		Potash, Soluble as K2O	5	5.51 %	Pass
Product:	Schultz Tomato and Vegetable F				
Sample No:	24N004235				
		Boron, Acid Soluble	0.02	0.03 %	Pass
		Commercial Value	66	67.51	
		Copper	0.05	0.24 %	Pass
		Iron	1.11	3.67 %	Pass
		Manganese, Acid Soluble	0.05	0.12 %	Pass
		Nitrogen, Total	10.00	9.89 %	Pass
		Overall Index Value		102.29 %	Pass
		Phosphate, Available as P2C	12.00	12.46 %	Pass
		Potash, Soluble as K2O	12.00	12.92 %	Pass
		Zinc, Acid Soluble	0.05	0.16 %	Pass
Product:	Shultz African Violet Liquid Plan				
Sample No:	24N004233				
		Commercial Value	61	64.54	
		Iron	0.10	0.11 %	Pass
		Manganese, Water Soluble	0.05	0.05 %	Pass

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Nitrogen, Total	8	8.22 %	Pass
Overall Index Value		105.80 %	Pass
Phosphate, Available as P2C	14	15.38 %	Pass
Potash, Soluble as K2O	9	9.12 %	Pass
Zinc, Acid Soluble	0.05	0.04 %	Pass
Zinc, Chelated	0.05	0.04 %	Pass

Product: Shultz Cactus

Sample No: 24N002636

Commercial Value	27	32.04	
Iron	0.10	0.12 %	Pass
Manganese, Acid Soluble	0.05	0.05 %	Pass
Nitrogen, Total	2	2.87 %	Pass
Overall Index Value		118.65 %	Pass
Phosphate, Available as P2C	7	8.02 %	Pass
Potash, Soluble as K2O	7	7.38 %	Pass
Zinc, Acid Soluble	0.05	0.05 %	Pass

Product: Slow release plant food

Sample No: 24N005329

Boron, Acid Soluble	0.02	0.03 %	Pass
Commercial Value	84	85.20	
Copper	0.05	0.18 %	Pass
Iron	1.11	1.50 %	Pass
Manganese, Acid Soluble	0.05	0.06 %	Pass
Nitrogen, Total	16.00	16.63 %	Pass
Overall Index Value		101.43 %	Pass
Phosphate, Available as P2C	12.00	11.47 %	Pass
Potash, Soluble as K2O	12.00	12.38 %	Pass
Zinc, Acid Soluble	0.05	0.16 %	Pass

Manufacturer: Koch Fertilizer LLC-Wichita

Product: 11-0-0-24S Liquid fertilizer

Sample No: 24N000854

Nitrogen, Total	11	10.59 %	Pass
Sulfur	24	23.47 %	Pass

Product: 28% Liquid Fertilizer

Sample No: 24N007299

Nitrogen, Total	28	30.19 %	Pass
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	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Product: 46-0-0				
Sample No: 24N009905				
	Nitrogen, Total	46	46.48 %	Pass
Product: ATS Liquid Fertilizer				
Sample No: 24N007298				
	Nitrogen, Total	11	11.00 %	Pass
	Sulfur	24	25.38 %	Pass
Manufacturer: Kugler Company-McCook				
Product: 10-25-0-5s liquid fertilizer				
Sample No: 24N003795				
	Commercial Value	80	82.65	
	Nitrogen, Total	10	11.25 %	Pass
	Overall Index Value		103.32 %	Pass
	Phosphate, Available as P2C	25	24.45 %	Pass
	Sulfur	5	5.69 %	
Product: 28-0-0 KQXRN liquid fertilizer				
Sample No: 24N003797				
	Nitrogen, Total	28	28.42 %	Pass
Product: Liquid fertilizer 10-25-0-5s				
Sample No: 24N009376				
	Commercial Value	80	80.55	
	Nitrogen, Total	10	10.67 %	Pass
	Overall Index Value		100.69 %	Pass
	Phosphate, Available as P2C	25	24.27 %	Pass
	Sulfur	5	5.68 %	Pass
Product: Liquid fertilizer 28-0-0				
Sample No: 24N009377				
	Nitrogen, Total	28	30.13 %	Pass
Manufacturer: Labolt Farmers Grain-Nasa				
Product: 46-0-0				
Sample No: 24N001441				
	Nitrogen, Total	46	46.33 %	Pass
Manufacturer: Lilly Miller Brands				
Product: Alaska Fish Fertilizer				
Sample No: 24N000273				
	Commercial Value	18	21.05	

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
		Nitrogen, Total	5	4.88 %	Pass
		Overall Index Value		116.96 %	Pass
		Phosphate, Available as P2C	1	2.33 %	Pass
		Potash, Soluble as K2O	1	1.76 %	Pass
Product: Fish Fertilizer					
Sample No:		24N007855			
		Commercial Value	18	21.74	
		Nitrogen, Total	5	5.36 %	Pass
		Overall Index Value		120.79 %	Pass
		Phosphate, Available as P2C	1	2.23 %	Pass
		Potash, Soluble as K2O	1	1.20 %	Pass
Product: Fish Plant Food					
Sample No:		24N005328			
		Commercial Value	18	21.01	
		Nitrogen, Total	5.0	5.05 %	Pass
		Overall Index Value		116.71 %	Pass
		Phosphate, Available as P2C	1.0	2.35 %	Pass
		Potash, Soluble as K2O	1.0	1.16 %	Pass
Manufacturer: MacroSource LLC-- Kansas					
Product:		Potash (0-0-60)			
Sample No:		24N008981			
		Potash, Soluble as K2O	60	61.05 %	Pass
Manufacturer: MacroSource LLC -Savage					
Product:		DAP 18-46-0			
Sample No:		24N008780			
		Commercial Value	146	147.56	
		Nitrogen, Total	18	18.17 %	Pass
		Overall Index Value		101.07 %	Pass
		Phosphate, Available as P2C	46	46.52 %	Pass
Sample No:		24N010012			
		Commercial Value	146	146.62	
		Nitrogen, Total	18	17.92 %	Pass
		Overall Index Value		100.42 %	Pass
		Phosphate, Available as P2C	46	46.43 %	Pass
Product: MAP					
Sample No:		24N000006			

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Product: MAP 11-52-0		Commercial Value	137	135.24	
Sample No: 24N008980		Nitrogen, Total	11	10.57 %	Pass
		Overall Index Value		98.72 %	Pass
		Phosphate, Available as P2C	52	51.77 %	Pass
Manufacturer: MacroSource--Sioux City		Commercial Value	137	138.50	
Product: AMS		Nitrogen, Total	11	11.49 %	Pass
Sample No: 24N008786		Overall Index Value		101.09 %	Pass
		Phosphate, Available as P2C	52	52.01 %	Pass
Product: Potash		Nitrogen, Total	21	21.39 %	Pass
Sample No: 24N010006		Sulfur	24	24.81 %	Pass
		Potash, Soluble (STPB) as K	60	60.73 %	Pass
Manufacturer: Mears Fertilizer, Inc.		Commercial Value	80	86.34	
Product: Thrive 25-00-05 NPK Fertilizer		Nitrogen, Total	25.00	26.83 %	Pass
Sample No: 24N009465		Overall Index Value		107.92 %	Pass
		Potash, Soluble as K2O	5.00	5.85 %	Pass
Manufacturer: Milwaukee Metropolitan Se		Calcium	1.2	2.01 %	Pass
Product: All Purpose Fertilizer		Commercial Value	26	29.09	
Sample No: 24N007476		Iron	2.5	4.27 %	Pass
		Nitrogen, Total	6.0	6.54 %	Pass
		Overall Index Value		111.90 %	Pass
		Phosphate, Available as P2C	4.0	4.74 %	Pass
Manufacturer: Mosaic--Esterhazy					
Product: Potash					

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Sample No:	24N002134				
		Potash, Soluble as K2O	60	60.84 %	Pass
Sample No:	24N008158				
		Potash, Soluble (STPB) as K	60	60.54 %	Pass
Product:	Potash 0-0-60				
Sample No:	24N010407				
		Potash, Soluble (STPB) as K	60	58.47 %	Pass
Product:	Potash 0-0-60 fertilizer				
Sample No:	24N000905				
		Potash, Soluble as K2O	60	60.51 %	Pass
Manufacturer:	Mosaic--Lithia				
Product:	MESZ				
Sample No:	24N010242				
		Commercial Value	116	114.22	
		Nitrogen, Total	12	11.72 %	Pass
		Overall Index Value		98.47 %	Pass
		Phosphate, Available as P2C	40	39.53 %	Pass
		Sulfur	10	10.01 %	Pass
		Zinc, Acid Soluble	1	0.95 %	Pass
Product:	MESZ: 12-40-0-10s-1zn				
Sample No:	24N002769				
		Commercial Value	116	114.98	
		Nitrogen, Total	12	11.95 %	Pass
		Overall Index Value		99.12 %	Pass
		Phosphate, Available as P2C	40	39.57 %	Pass
		Sulfur	10	9.63 %	Pass
		Zinc, Acid Soluble	1	0.98 %	Pass
Manufacturer:	Mosaic--Mulberry				
Product:	MAP				
Sample No:	24N003324				
		Commercial Value	137	137.65	
		Nitrogen, Total	11	10.75 %	Pass
		Overall Index Value		100.47 %	Pass
		Phosphate, Available as P2C	52	52.70 %	Pass
Manufacturer:	Mosaic--Regina				
Product:	Potash 0-0-62				

Sample No:	Analyte	Claim	Found Unit	Disposition
24N002768	Potash, Soluble as K2O	62	61.44 %	Pass
Manufacturer: Mosaic--Rosemount				
Product: 11-52-0				
24N001442	Commercial Value	137	134.53	
	Nitrogen, Total	11	10.68 %	Pass
	Overall Index Value		98.19 %	Pass
	Phosphate, Available as P2C	52	51.24 %	Pass
Product: MAP				
24N002079	Commercial Value	137	136.96	
	Nitrogen, Total	11	11.12 %	Pass
	Overall Index Value		99.97 %	Pass
	Phosphate, Available as P2C	52	51.80 %	Pass
24N002222	Commercial Value	137	141.23	
	Nitrogen, Total	11	11.56 %	Pass
	Overall Index Value		103.09 %	Pass
	Phosphate, Available as P2C	52	53.28 %	Pass
24N008058	Commercial Value	137	139.01	
	Nitrogen, Total	11	11.60 %	Pass
	Overall Index Value		101.47 %	Pass
	Phosphate, Available as P2C	52	52.11 %	Pass
24N008787	Commercial Value	137	138.44	
	Nitrogen, Total	11	11.26 %	Pass
	Overall Index Value		101.05 %	Pass
	Phosphate, Available as P2C	52	52.33 %	Pass
24N010409	Commercial Value	137	136.87	
	Nitrogen, Total	11	11.44 %	Pass
	Overall Index Value		99.91 %	Pass
	Phosphate, Available as P2C	52	51.28 %	Pass
Product: MESZ				

Sample No:		Analyte	Claim	Found Unit	Disposition
24N003326		Commercial Value	116	115.94	
		Nitrogen, Total	12	11.94 %	Pass
		Overall Index Value		99.95 %	Pass
		Phosphate, Available as P2C	40	40.07 %	Pass
		Sulfur	10	10.84 %	Pass
		Zinc, Acid Soluble	1	1.13 %	Pass
	24N008059		Commercial Value	116	120.18
		Nitrogen, Total	12	13.46 %	Pass
		Overall Index Value		103.60 %	Pass
		Phosphate, Available as P2C	40	39.90 %	Pass
		Sulfur	10	10.09 %	Pass
		Zinc, Acid Soluble	1	0.90 %	Pass
24N009904			Commercial Value	116	114.91
		Nitrogen, Total	12	11.80 %	Pass
		Overall Index Value		99.06 %	Pass
		Phosphate, Available as P2C	40	39.75 %	Pass
		Sulfur	10	10.00 %	Pass
		Zinc, Acid Soluble	1	0.92 %	Pass

Product: MESZ 12-40-0

Sample No: 24N001436

	Commercial Value	116	114.15	
	Nitrogen, Total	12	11.91 %	Pass
	Overall Index Value		98.40 %	Pass
	Phosphate, Available as P2C	40	39.21 %	Pass
	Sulfur	10	9.89 %	Pass
	Zinc, Acid Soluble	1	0.90 %	Pass

Manufacturer: Mosaic--West Bartlow

Product: MESZ

Sample No: 24N009906

	Commercial Value	116	117.31	
	Nitrogen, Total	12	11.93 %	Pass
	Overall Index Value		101.13 %	Pass
	Phosphate, Available as P2C	40	40.76 %	Pass

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
		Sulfur	10	10.08 %	Pass
		Zinc, Acid Soluble	1	0.92 %	Pass
Manufacturer:	N-7 LLC				
Product:	Ammonium Sulfate (AMS) 21-0-				
Sample No:	24N002770				
		Nitrogen, Total	21	20.99 %	Pass
		Sulfur	24	24.67 %	Pass
Manufacturer:	Nachurs-Garretson				
Product:	6-24-6 Liquid Fertilizer				
Sample No:	24N003755				
		Commercial Value	72	74.68	
		Nitrogen, Total	6	7.03 %	Pass
		Overall Index Value		103.72 %	Pass
		Phosphate, Available as P2C	24	23.72 %	Pass
		Potash, Soluble as K2O	6	6.14 %	Pass
Manufacturer:	NeuAg LLC				
Product:	AMS				
Sample No:	24N010243				
		Nitrogen, Total	21	21.46 %	Pass
		Sulfur	24	24.86 %	Pass
Manufacturer:	Nutrien				
Product:	Potash fertilizer (0-0-60)				
Sample No:	24N003748				
		Potash, Soluble as K2O	60	60.30 %	Pass
Manufacturer:	Nutrien Ag-Loveland				
Product:	AMS				
Sample No:	24N001433				
		Nitrogen, Total	20.5	21.09 %	Pass
		Sulfur	24.0	24.10 %	Pass
Product:	ESN 44-0-0				
Sample No:	24N003426				
		Nitrogen, Total	44	45.80 %	Pass
Product:	Monoammonium Phosphate MA				
Sample No:	24N009259				
		Commercial Value	137	139.54	
		Nitrogen, Total	11	12.50 %	Pass

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
		Overall Index Value		101.85 %	Pass
		Phosphate, Available as P2C	52	51.02 %	Pass
Product:	Potash				
Sample No:	24N008060				
		Potash, Soluble (STPB) as K	60	60.12 %	Pass
Sample No:	24N010240				
		Potash, Soluble (STPB) as K	60	60.24 %	Pass
Product:	Urea				
Sample No:	24N010239				
		Nitrogen, Total	46	46.81 %	Pass
Manufacturer:	Nutrien Ag-Parkston				
Product:	AMS				
Sample No:	24N000008				
		Nitrogen, Total	20.5	20.64 %	Pass
		Sulfur	24	24.42 %	Pass
Sample No:	24N002973				
		Nitrogen, Total	21	20.82 %	Pass
		Sulfur	24	24.59 %	Pass
Sample No:	24N003325				
		Nitrogen, Total	20	20.83 %	Pass
		Sulfur	24	24.89 %	Pass
Product:	AMS 20.5-0-0-24S				
Sample No:	24N010011				
		Nitrogen, Total	20.5	20.82 %	Pass
		Sulfur	24	25.12 %	Pass
Product:	MAP				
Sample No:	24N002975				
		Commercial Value	137	135.28	
		Nitrogen, Total	11	10.77 %	Pass
		Overall Index Value		98.74 %	Pass
		Phosphate, Available as P2C	52	51.48 %	Pass
Sample No:	24N009757				
		Commercial Value	137	134.59	
		Nitrogen, Total	11	10.65 %	Pass
		Overall Index Value		98.24 %	Pass
		Phosphate, Available as P2C	52	51.32 %	Pass

	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Product: Potash				
Sample No:	24N009660			
	Potash, Soluble as K2O	60	60.60 %	Pass
Manufacturer: Nutrien-Calgary				
Product: Ammonium Sulfate (AMS) 20.5-				
Sample No:	24N000907			
	Nitrogen, Total	20.5	20.94 %	Pass
	Sulfur	24	23.78 %	Pass
Manufacturer: PCI Nitrogen				
Product: AMS				
Sample No:	24N008062			
	Nitrogen, Total	20.5	28.75 %	Pass
	Sulfur	24	22.80 %	Deficient
Sample No:	24N008970			
	Nitrogen, Total	21	20.88 %	Pass
	Sulfur	24	24.29 %	Pass
Manufacturer: PCS Sales Inc--Deerfield				
Product: 0-0-60				
Sample No:	24N003421			
	Potash, Soluble as K2O	60	58.32 %	Pass
Product: 0-0-60 Potash				
Sample No:	24N001434			
	Potash, Soluble as K2O	60	58.94 %	Pass
Product: Potash 0-0-60				
Sample No:	24N009261			
	Potash, Soluble as K2O	60	58.41 %	Pass
Manufacturer: Pearl Valley Organix, Inc.				
Product: Coop Poop				
Sample No:	24N007475			
	Commercial Value (STPB)	24	21.75	
	Nitrogen, Total	4.0	3.74 %	Pass
	Overall Index Value (STPB)	98	90.62 %	Deficient
	Phosphate, Available as P2C	4.0	3.27 %	Deficient
	Potash, Soluble (STPB) as K	4	3.99 %	Pass
Manufacturer: Plantation Products LLC				
Product: Superthrive Plant Food				

<u>Sample No:</u>	<u>24N002638</u>	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
		Calcium	9.0	9.61 %	Pass
		Commercial Value	24	27.76	
		Iron	0.2	0.26 %	Pass
		Nitrogen, Total	4.0	4.63 %	Pass
		Overall Index Value		115.65 %	Pass
		Phosphate, Available as P2C	4.0	4.52 %	Pass
		Potash, Soluble as K2O	4.0	4.83 %	Pass
Product:	SUPERthrive Plant Food (4-4-4)				
Sample No:	24N007421				
		Calcium	9.0	9.38 %	Pass
		Commercial Value	24	23.03	
		Iron	0.2	0.18 %	Pass
		Nitrogen, Total	4.0	4.41 %	Pass
		Overall Index Value		95.95 %	Deficient
		Phosphate, Available as P2C	4.0	2.96 %	Deficient
		Potash, Soluble as K2O	4.0	3.88 %	Pass
Manufacturer:	Potash Corp of Saskatchewan				
Product:	Potash				
Sample No:	24N000009				
		Potash, Soluble as K2O	60	62.08 %	Pass
Sample No:	24N000010				
		Potash, Soluble as K2O	60	59.72 %	Pass
Sample No:	24N001664				
		Potash, Soluble as K2O	60	63.56 %	Pass
Sample No:	24N002224				
		Potash, Soluble as K2O	60	60.36 %	Pass
Sample No:	24N003327				
		Potash, Soluble as K2O	60	58.27 %	Pass
Sample No:	24N003679				
		Potash, Soluble as K2O	60	60.53 %	Pass
Sample No:	24N008151				
		Potash, Soluble as K2O	60	58.78 %	Pass
Sample No:	24N010015				
		Potash, Soluble (STPB) as K	60	60.94 %	Pass
Sample No:	24N010249				

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Manufacturer: Potash Corp-SCity		Potash, Soluble (STPB) as K	60	60.83 %	Pass
Product: Potash					
Sample No:	24N000899				
		Potash, Soluble as K2O	60	60.09 %	Pass
Sample No:	24N002629				
		Potash, Soluble as K2O	60	59.18 %	Pass
Sample No:	24N008785				
		Potash, Soluble as K2O	60	59.34 %	Pass
Sample No:	24N008788				
		Potash, Soluble as K2O	60	58.55 %	Pass
Sample No:	24N010014				
		Potash, Soluble (STPB) as K	60	60.02 %	Pass
Sample No:	24N010335				
		Potash, Soluble (STPB) as K	60	60.27 %	Pass
Product: Potash 0-0-60					
Sample No:	24N008782				
		Potash, Soluble as K2O	60	58.94 %	Pass
Manufacturer: SBM Life Science Corp					
Product: Nutri One Essense All Purpose					
Sample No:	24N010379				
		Commercial Value (STPB)	60	61.22	
		Magnesium, Acid Soluble	1.2	1.41 %	Pass
		Magnesium, Water Soluble	1.2	1.46 %	Pass
		Nitrogen, Total	10	10.66 %	Pass
		Overall Index Value (STPB)		102.04 %	Pass
		Phosphate, Available as P2C	10	9.83 %	Pass
		Potash, Soluble (STPB) as K	10	9.59 %	Pass
		Sulfur	13.2	15.68 %	Pass
Manufacturer: Scotts Miracle-Gro Product					
Product: All Purpose Lawn Food					
Sample No:	24N005327				
		Boron, Acid Soluble	0.02	0.02 %	Pass
		Commercial Value	104	108.75	
		Copper	0.07	0.08 %	Pass
		Iron	0.15	0.15 %	Pass

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Manganese, Acid Soluble	0.05	0.05 %	Pass
Nitrogen, Total	24	25.80 %	Pass
Overall Index Value		104.56 %	Pass
Phosphate, Available as P2C	8	7.76 %	Pass
Potash, Soluble as K2O	16	15.83 %	Pass
Zinc, Acid Soluble	0.06	0.07 %	Pass
Zinc, Water Soluble	0.06	0.06 %	Pass

Product: All purpose plant food

Sample No: 24N007466

Boron, Acid Soluble	0.02	0.02 %	Pass
Commercial Value	104	108.07	
Copper	0.07	0.08 %	Pass
Iron	0.15	0.19 %	Pass
Manganese, Acid Soluble	0.05	0.06 %	Pass
Nitrogen, Total	24	25.28 %	Pass
Overall Index Value		103.91 %	Pass
Phosphate, Available as P2C	8	8.16 %	Pass
Potash, Soluble as K2O	16	15.92 %	Pass
Zinc, Acid Soluble	0.06	0.05 %	Pass
Zinc, Water Soluble	0.06	0.05 %	Pass

Product: All Purpose Plant Food MG

Sample No: 24N004953

Boron, Acid Soluble	0.02	0.02 %	Pass
Commercial Value	104	107.66	
Copper	0.07	0.08 %	Pass
Iron	0.15	0.19 %	Pass
Manganese, Acid Soluble	0.05	0.06 %	Pass
Nitrogen, Total	24	23.97 %	Pass
Overall Index Value		103.52 %	Pass
Phosphate, Available as P2C	8	8.84 %	Pass
Potash, Soluble as K2O	16	18.07 %	Pass
Zinc, Acid Soluble	0.06	0.07 %	Pass
Zinc, Water Soluble	0.06	0.06 %	Pass

Product: Evergreen Plant Food Spike

Sample No: 24N005040

Commercial Value	60	69.67	
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<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Iron	0.1	0.17 %	Pass
Manganese, Acid Soluble	0.05	0.03 %	Deficient
Manganese, Water Soluble	0.05	0.02 %	Deficient
Nitrogen, Total	12.0	15.20 %	Pass
Overall Index Value		116.11 %	Pass
Phosphate, Available as P2C	6.0	6.03 %	Pass
Potash, Soluble as K2O	12.0	12.02 %	Pass
Sulfur	14.0	16.25 %	Pass

Product: Evergreen, Flowering Tree & Sh

Sample No: 24N007046

Commercial Value	54	67.14	
Nitrogen, Total	11	11.86 %	Pass
Overall Index Value		124.33 %	Pass
Phosphate, Available as P2C	7	11.54 %	Pass
Potash, Soluble as K2O	7	8.48 %	Pass
Sulfur	2.1	2.53 %	Pass

Product: Fruit and Citrus Plant food

Sample No: 24N005265

Commercial Value	75	73.67	
Iron	0.1	0.14 %	Pass
Manganese, Acid Soluble	0.05	0.03 %	Deficient
Manganese, Water Soluble	0.05	0.02 %	Deficient
Nitrogen, Total	10	14.62 %	Pass
Overall Index Value		98.23 %	Pass
Phosphate, Available as P2C	15	8.84 %	Deficient
Potash, Soluble as K2O	15	11.89 %	Deficient
Potash, Soluble (STPB) as K	15	11.74 %	Deficient
Sulfur	8	15.30 %	Pass

Product: Indoor Plant Food

Sample No: 24N004232

Commercial Value	6	6.05	
Nitrogen, Total	1	1.07 %	Pass
Overall Index Value		100.87 %	Pass
Phosphate, Available as P2C	1	1.07 %	Pass
Potash, Soluble as K2O	1	0.68 %	Pass

Product: Liqua Feed

Sample No:		Analyte	Claim	Found Unit	Disposition
24N005324		Commercial Value	60	60.87	
		Manganese, Acid Soluble	0.05	0.06 %	Pass
		Nitrogen, Total	12	12.06 %	Pass
		Overall Index Value		101.44 %	Pass
		Phosphate, Available as P2C	9	9.03 %	Pass
		Potash, Soluble as K2O	6	6.61 %	Pass
		Zinc, Acid Soluble	0.05	0.06 %	Pass
		Zinc, Chelated	0.05	0.06 %	Pass
Product:	MG All Purpose Plant Food				
Sample No:	24N006851				
		Boron, Acid Soluble	0.02	0.02 %	Pass
		Commercial Value	104	105.87	
		Copper	0.07	0.09 %	Pass
		Iron	0.15	0.19 %	Pass
		Manganese, Acid Soluble	0.05	0.06 %	Pass
		Nitrogen, Total	24	22.98 %	Deficient
		Overall Index Value		101.80 %	Pass
		Phosphate, Available as P2C	8	9.35 %	Pass
		Potash, Soluble as K2O	16	18.22 %	Pass
		Zinc, Acid Soluble	0.06	0.06 %	Pass
		Zinc, Water Soluble	0.06	0.05 %	Pass
Product:	MG Flower Food				
Sample No:	24N005264				
		Boron, Acid Soluble	0.02	0.02 %	Pass
		Commercial Value	144	146.45	
		Copper	0.07	0.07 %	Pass
		Iron	0.15	0.16 %	Pass
		Manganese, Acid Soluble	0.05	0.05 %	Pass
		Nitrogen, Total	10	10.06 %	Pass
		Overall Index Value		101.70 %	Pass
		Phosphate, Available as P2C	52	52.22 %	Pass
		Potash, Soluble as K2O	10	11.81 %	Pass
Product:	Miracid Plant Food				
Sample No:	24N004956				
		Boron, Acid Soluble	0.02	0.02 %	Pass

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Commercial Value	120	124.41	
Copper	0.07	0.09 %	Pass
Iron	0.325	0.42 %	Pass
Manganese, Acid Soluble	0.05	0.06 %	Pass
Nitrogen, Total	30	29.78 %	Pass
Overall Index Value		103.68 %	Pass
Phosphate, Available as P2C	10	11.75 %	Pass
Potash, Soluble as K2O	10	11.57 %	Pass
Zinc, Acid Soluble	0.07	0.09 %	Pass
Zinc, Chelated	0.07	0.08 %	Pass

Product: Miracle Gro all purpose plant fo

Sample No: 24N006041

Commercial Value	104	106.11	
Copper	0.07	0.09 %	Pass
Iron	0.15	0.18 %	Pass
Manganese, Acid Soluble	0.05	0.06 %	Pass
Nitrogen, Total	24	23.50 %	Pass
Overall Index Value		102.03 %	Pass
Phosphate, Available as P2C	8	8.64 %	Pass
Potash, Soluble as K2O	16	18.31 %	Pass
Zinc, Acid Soluble	0.06	0.06 %	Pass
Zinc, Water Soluble	0.06	0.06 %	Pass

Product: Miracle Gro Lawn Food (36-0-6)

Sample No: 24N004576

Commercial Value	114	115.77	
Iron	0.325	0.35 %	Pass
Nitrogen, Total	36	36.39 %	Pass
Overall Index Value		101.55 %	Pass
Potash, Soluble as K2O	6	6.58 %	Pass
Sulfur	3	3.66 %	Pass

Product: Miracle Gro Tomato, Fruit & Veg

Sample No: 24N004425

Calcium	5.6	6.30 %	Pass
Commercial Value	55	53.36	
Copper	0.05	0.08 %	Pass
Iron	0.92	1.63 %	Pass

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Magnesium, Acid Soluble	2.9	3.82 %	Pass
Magnesium, Water Soluble	0.69	1.32 %	Pass
Manganese, Acid Soluble	0.34	0.44 %	Pass
Manganese, Water Soluble	0.23	0.18 %	Deficient
Nitrogen, Total	10	8.32 %	Deficient
Overall Index Value		97.02 %	Deficient
Phosphate, Available as P2C	5	4.91 %	Pass
Potash, Soluble as K2O	15	18.60 %	Pass
Sulfur	6.0	8.34 %	Pass
Zinc, Acid Soluble	0.11	0.17 %	Pass

Product: Miracle Gro Vegetable & Herbs

Sample No: 24N004426

Boron, Acid Soluble	0.02	0.02 %	Pass
Commercial Value	111	115.96	
Copper	0.05	0.06 %	Pass
Iron	0.10	0.12 %	Pass
Magnesium, Acid Soluble	0.50	0.55 %	Pass
Magnesium, Water Soluble	0.50	0.57 %	Pass
Manganese, Acid Soluble	0.05	0.05 %	Pass
Nitrogen, Total	18	18.41 %	Pass
Overall Index Value		104.47 %	Pass
Phosphate, Available as P2C	18	19.12 %	Pass
Potash, Soluble as K2O	21	22.51 %	Pass
Zinc, Acid Soluble	0.05	0.05 %	Pass
Zinc, Water Soluble	0.05	0.04 %	Pass

Product: Miracle Grow All Purpose Plant

Sample No: 24N002640

Commercial Value	52	55.18	
Iron	0.10	0.12 %	Pass
Manganese, Acid Soluble	0.05	0.06 %	Pass
Nitrogen, Total	12	13.28 %	Pass
Overall Index Value		106.12 %	Pass
Phosphate, Available as P2C	4	3.96 %	Pass
Potash, Soluble as K2O	8	7.43 %	Pass
Zinc, Acid Soluble	0.05	0.05 %	Pass
Zinc, Chelated	0.05	0.05 %	Pass

Product:		Analyte	Claim	Found Unit	Disposition
Sample No: 24N006263		Commercial Value	52	53.48	
		Iron	0.10	0.12 %	Pass
		Manganese, Acid Soluble	0.05	0.06 %	Pass
		Nitrogen, Total	12	12.23 %	Pass
		Overall Index Value		102.84 %	Pass
		Phosphate, Available as P2C	4	4.13 %	Pass
		Potash, Soluble as K2O	8	8.52 %	Pass
		Zinc, Acid Soluble	0.05	0.06 %	Pass
		Zinc, Chelated	0.05	0.06 %	Pass
Sample No: 24N006864		Commercial Value	52	53.22	
		Iron	0.10	0.12 %	Pass
		Manganese, Acid Soluble	0.05	0.06 %	Pass
		Nitrogen, Total	12	12.25 %	Pass
		Overall Index Value		102.35 %	Pass
		Phosphate, Available as P2C	4	4.15 %	Pass
		Potash, Soluble as K2O	8	8.17 %	Pass
		Zinc, Acid Soluble	0.05	0.06 %	Pass
		Zinc, Chelated	0.05	0.07 %	Pass
Sample No: 24N007350		Commercial Value	52	58.01	
		Iron	0.10	0.13 %	Pass
		Manganese, Acid Soluble	0.05	0.06 %	Pass
		Nitrogen, Total	12	14.11 %	Pass
		Overall Index Value		111.55 %	Pass
		Phosphate, Available as P2C	4	4.06 %	Pass
		Potash, Soluble as K2O	8	7.55 %	Pass
		Zinc, Acid Soluble	0.05	0.06 %	Pass
		Zinc, Chelated	0.05	0.05 %	Pass
Product: Miracle-Gro All Purpose Plant F					
Sample No: 24N006871		Boron, Acid Soluble	0.02	0.02 %	Pass
		Commercial Value	104	107.22	
		Copper	0.07	0.08 %	Pass

	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
	Iron	0.15	0.19 %	Pass
	Manganese, Acid Soluble	0.05	0.06 %	Pass
	Nitrogen, Total	24	24.64 %	Pass
	Overall Index Value		103.09 %	Pass
	Phosphate, Available as P2C	8	8.62 %	Pass
	Potash, Soluble as K2O	16	16.05 %	Pass
	Zinc, Acid Soluble	0.06	0.06 %	Pass
	Zinc, Water Soluble	0.06	0.07 %	Pass

Sample No: 24N006883

	Boron, Acid Soluble	0.02	0.02 %	Pass
	Commercial Value	104	106.03	
	Copper	0.07	0.08 %	Pass
	Iron	0.15	0.20 %	Pass
	Manganese, Acid Soluble	0.05	0.06 %	Pass
	Nitrogen, Total	24	24.54 %	Pass
	Overall Index Value		101.95 %	Pass
	Phosphate, Available as P2C	8	8.14 %	Pass
	Potash, Soluble as K2O	16	16.13 %	Pass
	Zinc, Acid Soluble	0.06	0.06 %	Pass
	Zinc, Water Soluble	0.06	0.05 %	Pass

Sample No: 24N007297

	Boron, Acid Soluble	0.02	0.02 %	Pass
	Commercial Value	104	102.86	
	Copper	0.07	0.09 %	Pass
	Iron	0.15	0.20 %	Pass
	Manganese, Acid Soluble	0.05	0.06 %	Pass
	Nitrogen, Total	24	23.23 %	Pass
	Overall Index Value		98.90 %	Pass
	Phosphate, Available as P2C	8	8.63 %	Pass
	Potash, Soluble as K2O	16	15.91 %	Pass
	Zinc, Acid Soluble	0.06	0.06 %	Pass
	Zinc, Water Soluble	0.06	0.07 %	Pass

Product: Miracle-Gro Bloom Booster Flow

Sample No: 24N007354

	Boron, Acid Soluble	0.02	0.02 %	Pass
	Commercial Value	144	152.47	

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Copper	0.07	0.07 %	Pass
Iron	0.15	0.18 %	Pass
Manganese, Acid Soluble	0.05	0.06 %	Pass
Nitrogen, Total	10	11.09 %	Pass
Overall Index Value		105.88 %	Pass
Phosphate, Available as P2C	52	54.58 %	Pass
Potash, Soluble as K2O	10	10.04 %	Pass

Product: Miracle-Gro Flower Plant Food (

Sample No: 24N006873

Boron, Acid Soluble	0.02	0.02 %	Pass
Commercial Value	144	147.85	
Copper	0.07	0.09 %	Pass
Iron	0.15	0.22 %	Pass
Manganese, Acid Soluble	0.05	0.07 %	Pass
Nitrogen, Total	10	10.14 %	Pass
Overall Index Value		102.67 %	Pass
Phosphate, Available as P2C	52	53.20 %	Pass
Potash, Soluble as K2O	10	11.02 %	Pass

Product: Miracle-Gro Lawn Food (36-0-6)

Sample No: 24N007349

Commercial Value	114	121.00	
Iron	0.325	0.36 %	Pass
Nitrogen, Total	36	38.02 %	Pass
Overall Index Value		106.14 %	Pass
Potash, Soluble as K2O	6	6.94 %	Pass
Sulfur	3	3.95 %	Pass

Sample No: 24N007517

Commercial Value	114	119.88	
Iron	0.325	0.37 %	Pass
Nitrogen, Total	36	38.00 %	Pass
Overall Index Value		105.16 %	Pass
Potash, Soluble as K2O	6	5.88 %	Pass
Sulfur	3	2.86 %	Pass

Product: Miracle-Gro LiquaFeed Flower F

Sample No: 24N007359

Commercial Value	60	62.12	
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<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Manganese, Acid Soluble	0.05	0.06 %	Pass
Nitrogen, Total	12	12.53 %	Pass
Overall Index Value		103.53 %	Pass
Phosphate, Available as P2C	9	9.29 %	Pass
Potash, Soluble as K2O	6	5.95 %	Pass
Zinc, Acid Soluble	0.05	0.06 %	Pass
Zinc, Chelated	0.05	0.06 %	Pass

Product: Miracle-Gro LiquaFeed Tomato,

Sample No: 24N007351

Commercial Value	44	46.42	
Manganese, Acid Soluble	0.05	0.06 %	Pass
Nitrogen, Total	9	9.52 %	Pass
Overall Index Value		105.50 %	Pass
Phosphate, Available as P2C	4	4.25 %	Pass
Potash, Soluble as K2O	9	9.36 %	Pass
Zinc, Acid Soluble	0.05	0.06 %	Pass
Zinc, Chelated	0.05	0.07 %	Pass

Product: Miracle-Gro Liquid Plant Food (

Sample No: 24N007423

Commercial Value	52	54.50	
Iron	0.10	0.13 %	Pass
Manganese, Acid Soluble	0.05	0.06 %	Pass
Nitrogen, Total	12	12.77 %	Pass
Overall Index Value		104.81 %	Pass
Phosphate, Available as P2C	4	4.21 %	Pass
Potash, Soluble as K2O	8	7.78 %	Pass
Zinc, Acid Soluble	0.05	0.05 %	Pass
Zinc, Chelated	0.05	0.06 %	Pass

Product: Miracle-Gro Liquid Quick Start S

Sample No: 24N007425

Commercial Value	40	44.27	
Nitrogen, Total	4	4.57 %	Pass
Overall Index Value		110.68 %	Pass
Phosphate, Available as P2C	12	13.19 %	Pass
Potash, Soluble as K2O	4	4.18 %	Pass

Product: Miracle-Gro Miracid Plant Food

Sample No:		Analyte	Claim	Found Unit	Disposition
24N006884		Boron, Acid Soluble	0.02	0.02 %	Pass
		Commercial Value	120	125.86	
		Copper	0.07	0.09 %	Pass
		Iron	0.325	0.48 %	Pass
		Manganese, Acid Soluble	0.05	0.07 %	Pass
		Nitrogen, Total	30	30.00 %	Pass
		Overall Index Value		104.88 %	Pass
		Phosphate, Available as P2C	10	12.06 %	Pass
		Potash, Soluble as K2O	10	11.74 %	Pass
		Zinc, Acid Soluble	0.07	0.08 %	Pass
		Zinc, Chelated	0.07	0.08 %	Pass

Sample No:	24N007296	Boron, Acid Soluble	0.02	0.02 %	Pass
		Commercial Value	120	129.45	
		Copper	0.07	0.08 %	Pass
		Iron	0.325	0.42 %	Pass
		Manganese, Acid Soluble	0.05	0.07 %	Pass
		Nitrogen, Total	30	32.00 %	Pass
		Overall Index Value		107.88 %	Pass
		Phosphate, Available as P2C	10	11.48 %	Pass
		Potash, Soluble as K2O	10	10.49 %	Pass
		Zinc, Acid Soluble	0.07	0.08 %	Pass
		Zinc, Chelated	0.07	0.08 %	Pass

Product: Miracle-Gro Orchid Food (30-10)

Sample No: 24N007374

Boron, Acid Soluble	0.02	0.02 %	Pass
Commercial Value	120	125.28	
Copper	0.07	0.07 %	Pass
Iron	0.325	0.37 %	Pass
Manganese, Acid Soluble	0.05	0.06 %	Pass
Nitrogen, Total	30	31.00 %	Pass
Overall Index Value		104.40 %	Pass
Phosphate, Available as P2C	10	11.23 %	Pass
Potash, Soluble as K2O	10	9.82 %	Pass
Zinc, Acid Soluble	0.07	0.07 %	Pass

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Product: Miracle-Gro Performance Organ		Zinc, Chelated	0.07	0.07 %	Pass
Sample No: 24N007520					
		Calcium	3	2.97 %	Pass
		Commercial Value	47	50.57	
		Copper	0.05	0.07 %	Pass
		Iron	0.10	0.16 %	Pass
		Manganese, Acid Soluble	0.05	0.07 %	Pass
		Manganese, Water Soluble	0.05	0.06 %	Pass
		Nitrogen, Total	11	11.79 %	Pass
		Overall Index Value		107.60 %	Pass
		Phosphate, Available as P2C	3	3.56 %	Pass
		Potash, Soluble as K2O	8	8.07 %	Pass
		Zinc, Acid Soluble	0.05	0.07 %	Pass
		Zinc, Water Soluble	0.05	0.01 %	Deficient
Product: Miracle-Gro Plant Food Vegetat					
Sample No: 24N006207					
		Boron, Acid Soluble	0.02	0.02 %	Pass
		Commercial Value	111	114.11	
		Copper	0.05	0.06 %	Pass
		Iron	0.10	0.13 %	Pass
		Magnesium, Acid Soluble	0.50	0.57 %	Pass
		Magnesium, Water Soluble	0.50	0.61 %	Pass
		Manganese, Acid Soluble	0.05	0.06 %	Pass
		Nitrogen, Total	18	17.74 %	Pass
		Overall Index Value		102.80 %	Pass
		Phosphate, Available as P2C	18	19.45 %	Pass
		Potash, Soluble as K2O	21	22.00 %	Pass
		Zinc, Acid Soluble	0.05	0.05 %	Pass
		Zinc, Water Soluble	0.05	0.04 %	Pass
Product: Miracle-Gro Raised Bed Plant F					
Sample No: 24N007518					
		Calcium	3.6	6.96 %	Pass
		Commercial Value	24	29.00	
		Iron	.50	0.91 %	Pass
		Magnesium, Acid Soluble	3	3.61 %	Pass

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Magnesium, Water Soluble	.40	0.63 %	Pass
Manganese, Acid Soluble	.20	0.23 %	Pass
Manganese, Water Soluble	.13	0.07 %	Deficient
Nitrogen, Total	5	6.00 %	Pass
Overall Index Value		120.81 %	Pass
Phosphate, Available as P2C	1	1.77 %	Pass
Potash, Soluble as K2O	7	7.45 %	Pass
Sulfur	2.75	2.93 %	Pass
Zinc, Acid Soluble	.06	0.07 %	Pass

Product: Miracle-Gro Shake 'n Feed Tom

Sample No: 24N007372

Calcium	5.6	7.29 %	Pass
Commercial Value	55	51.58	
Copper	0.05	0.10 %	Pass
Iron	0.92	1.77 %	Pass
Magnesium, Acid Soluble	2.9	4.69 %	Pass
Magnesium, Water Soluble	0.69	1.23 %	Pass
Manganese, Acid Soluble	0.34	0.44 %	Pass
Manganese, Water Soluble	0.23	0.23 %	Pass
Nitrogen, Total	10	8.72 %	Deficient
Overall Index Value		93.78 %	Deficient
Phosphate, Available as P2C	5	5.31 %	Pass
Potash, Soluble as K2O	15	14.80 %	Pass
Sulfur	6.0	7.19 %	Pass
Zinc, Acid Soluble	0.11	0.22 %	Pass

Product: Miracle-Gro Singles All Purpose

Sample No: 24N007373

Commercial Value	104	106.28	
Nitrogen, Total	24	23.78 %	Pass
Overall Index Value		102.19 %	Pass
Phosphate, Available as P2C	8	9.62 %	Pass
Potash, Soluble as K2O	16	15.69 %	Pass

Product: Miracle-Gro Tomato Fertilizer (1

Sample No: 24N005419

Commercial Value	111	116.80	
Copper	0.05	0.06 %	Pass

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Iron	0.10	0.11 %	Pass
Manganese, Acid Soluble	0.05	0.05 %	Pass
Nitrogen, Total	18	19.67 %	Pass
Overall Index Value		105.23 %	Pass
Phosphate, Available as P2C	18	18.25 %	Pass
Potash, Soluble as K2O	21	21.29 %	Pass
Zinc, Acid Soluble	0.05	0.06 %	Pass
Zinc, Water Soluble	0.05	0.04 %	Pass

Product: Miracle-Gro Tomato Plant Food

Sample No: 24N006264

Commercial Value	111	115.08	
Copper	0.05	0.06 %	Pass
Iron	0.10	0.14 %	Pass
Magnesium, Acid Soluble	0.50	0.60 %	Pass
Magnesium, Water Soluble	0.50	0.53 %	Pass
Manganese, Acid Soluble	0.05	0.06 %	Pass
Nitrogen, Total	18	19.00 %	Pass
Overall Index Value		103.68 %	Pass
Phosphate, Available as P2C	18	18.15 %	Pass
Potash, Soluble as K2O	21	21.77 %	Pass
Zinc, Acid Soluble	0.05	0.05 %	Pass
Zinc, Water Soluble	0.05	0.05 %	Pass

Sample No: 24N007515

Commercial Value	111	118.97	
Copper	.05	0.06 %	Pass
Iron	.10	0.13 %	Pass
Magnesium, Acid Soluble	.50	0.60 %	Pass
Magnesium, Water Soluble	.50	0.62 %	Pass
Manganese, Acid Soluble	.05	0.14 %	Pass
Nitrogen, Total	18	20.41 %	Pass
Overall Index Value		107.18 %	Pass
Phosphate, Available as P2C	18	17.82 %	Pass
Potash, Soluble as K2O	21	22.10 %	Pass
Zinc, Acid Soluble	.05	0.05 %	Pass
Zinc, Water Soluble	.05	0.05 %	Pass

Product: Miracle-Gro Tree & Shrub Plant

Sample No:		Analyte	Claim	Found Unit	Disposition
24N005288		Commercial Value	65	68.12	
		Iron	0.1	0.20 %	Pass
		Manganese, Acid Soluble	0.05	0.06 %	Pass
		Manganese, Water Soluble	0.05	0.02 %	Deficient
		Nitrogen, Total	15.0	16.18 %	Pass
		Overall Index Value		104.80 %	Pass
		Phosphate, Available as P2C	5.0	4.82 %	Pass
		Potash, Soluble as K2O	10.0	9.94 %	Pass
		Sulfur	16.0	18.16 %	Pass
Product: Miracle-Gro Tree & Shrub Plant					
Sample No:	24N007516				
		Commercial Value	65	73.03	
		Iron	0.1	0.23 %	Pass
		Manganese, Acid Soluble	0.05	0.03 %	Deficient
		Manganese, Water Soluble	0.05	0.01 %	Deficient
		Nitrogen, Total	15.0	17.25 %	Pass
		Overall Index Value		112.36 %	Pass
		Phosphate, Available as P2C	5.0	5.69 %	Pass
		Potash, Soluble as K2O	10.0	9.90 %	Pass
		Sulfur	16.0	17.35 %	Pass
Product: Miracle-Gro Vegetable & Herbs					
Sample No:	24N007422				
		Boron, Acid Soluble	0.02	0.02 %	Pass
		Commercial Value	111	114.88	
		Copper	0.05	0.07 %	Pass
		Iron	0.10	0.15 %	Pass
		Magnesium, Acid Soluble	0.50	0.55 %	Pass
		Magnesium, Water Soluble	0.50	0.62 %	Pass
		Manganese, Acid Soluble	0.05	0.06 %	Pass
		Nitrogen, Total	18	19.52 %	Pass
		Overall Index Value		103.50 %	Pass
		Phosphate, Available as P2C	18	18.17 %	Pass
		Potash, Soluble as K2O	21	19.99 %	Pass
		Zinc, Acid Soluble	0.05	0.05 %	Pass
		Zinc, Water Soluble	0.05	0.05 %	Pass

Product:	Analyte	Claim	Found Unit	Disposition
Miracle-Gro Water Soluble All P				
Sample No: 24N005287				
	Boron, Acid Soluble	0.02	0.02 %	Pass
	Commercial Value	104	105.16	
	Copper	0.07	0.09 %	Pass
	Iron	0.15	0.16 %	Pass
	Manganese, Acid Soluble	0.05	0.06 %	Pass
	Nitrogen, Total	24	23.64 %	Pass
	Overall Index Value		101.12 %	Pass
	Phosphate, Available as P2C	8	8.80 %	Pass
	Potash, Soluble as K2O	16	16.65 %	Pass
	Zinc, Acid Soluble	0.06	0.07 %	Pass
	Zinc, Water Soluble	0.06	0.06 %	Pass
Product: Miracle-Gro Water Soluble Lawr				
Sample No: 24N003280				
	Commercial Value	114	117.31	
	Iron	0.325	0.33 %	Pass
	Nitrogen, Total	36	37.02 %	Pass
	Overall Index Value		103.00 %	
	Potash, Soluble as K2O	6	6.25 %	Pass
	Sulfur	3	3.19 %	Pass
Product: Mircl Gro All Purpose Plant Fo				
Sample No: 24N002713				
	Boron, Acid Soluble	0.02	0.02 %	Pass
	Commercial Value	104	109.18	
	Copper	0.07	0.09 %	Pass
	Iron	0.15	0.21 %	Pass
	Manganese, Acid Soluble	0.05	0.07 %	Pass
	Nitrogen, Total	24	24.75 %	Pass
	Overall Index Value		104.98 %	Pass
	Phosphate, Available as P2C	8	9.08 %	Pass
	Potash, Soluble as K2O	16	16.78 %	Pass
	Zinc, Acid Soluble	0.06	0.07 %	Pass
	Zinc, Water Soluble	0.06	0.07 %	Pass
Product: Mircl Gro All Purpose Fertilize				
Sample No: 24N008952				

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Boron, Acid Soluble	0.02	0.02 %	Pass
Commercial Value	104	111.02	
Copper	0.07	0.09 %	Pass
Iron	0.15	0.20 %	Pass
Manganese, Acid Soluble	0.05	0.06 %	Pass
Nitrogen, Total	24	25.45 %	Pass
Overall Index Value		106.75 %	Pass
Phosphate, Available as P2C	8	8.72 %	Pass
Potash, Soluble as K2O	16	17.22 %	Pass
Zinc, Acid Soluble	0.06	0.06 %	Pass
Zinc, Water Soluble	0.06	0.06 %	Pass

Product: Miricle Grow Miracid Plant Food

Sample No: 24N008954

Boron, Acid Soluble	0.02	0.02 %	Pass
Commercial Value	120	128.76	
Copper	0.07	0.09 %	Pass
Iron	0.325	0.44 %	Pass
Manganese, Acid Soluble	0.05	0.07 %	Pass
Nitrogen, Total	30	32.08 %	Pass
Overall Index Value		107.30 %	Pass
Phosphate, Available as P2C	10	11.09 %	Pass
Potash, Soluble as K2O	10	10.34 %	Pass
Zinc, Acid Soluble	0.07	0.08 %	Pass
Zinc, Chelated	0.07	0.07 %	Pass

Product: Miricle-Gro Liquid All Purpose P

Sample No: 24N002624

Commercial Value	52	51.47	
Iron	0.10	0.12 %	Pass
Manganese, Acid Soluble	0.05	0.06 %	Pass
Nitrogen, Total	12	11.90 %	Pass
Overall Index Value		98.98 %	Pass
Phosphate, Available as P2C	4	4.12 %	Pass
Potash, Soluble as K2O	8	7.54 %	Pass
Zinc, Acid Soluble	0.05	0.05 %	Pass
Zinc, Chelated	0.05	0.06 %	Pass

Product: Osmocote Flower & Vegetable (

Sample No:	24N006265	Analyte	Claim	Found Unit	Disposition
		Commercial Value	84	88.99	
		Nitrogen, Total	14	14.52 %	Pass
		Overall Index Value		105.94 %	Pass
		Phosphate, Available as P2C	14	14.99 %	Pass
		Potash, Soluble as K2O	14	15.44 %	Pass
Product:	Osmocote Flower & Vegetable F				
Sample No:	24N006476				
		Commercial Value	84	84.47	
		Nitrogen, Total	14	14.04 %	Pass
		Overall Index Value		100.56 %	Pass
		Phosphate, Available as P2C	14	14.20 %	Pass
		Potash, Soluble as K2O	14	13.94 %	Pass
Product:	Osmocote Flower & Vegetable F				
Sample No:	24N007353				
		Commercial Value	84	88.74	
		Nitrogen, Total	14	15.04 %	Pass
		Overall Index Value		105.65 %	Pass
		Phosphate, Available as P2C	14	14.86 %	Pass
		Potash, Soluble as K2O	14	13.91 %	Pass
Product:	Osmocote Plus Outdoor & Indoc				
Sample No:	24N006861				
		Boron, Acid Soluble	0.02	0.03 %	Pass
		Commercial Value	75	77.06	
		Copper	0.05	0.07 %	Pass
		Iron	0.46	0.48 %	Pass
		Magnesium, Acid Soluble	1.3	1.54 %	Pass
		Magnesium, Water Soluble	0.9	1.52 %	Pass
		Manganese, Acid Soluble	0.06	0.08 %	Pass
		Manganese, Water Soluble	0.02	0.03 %	Pass
		Molybdenum	0.02	0.03 %	Pass
		Nitrogen, Total	15	15.33 %	Pass
		Overall Index Value		102.75 %	Pass
		Phosphate, Available as P2C	9	9.38 %	Pass
		Potash, Soluble as K2O	12	12.32 %	Pass
		Sulfur	6.0	7.12 %	Pass

	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
	Zinc, Acid Soluble	0.05	0.07 %	Pass
	Zinc, Water Soluble	0.011	0.01 %	Pass
Product: Performance Organic Garden F				
Sample No: 24N007047				
	Calcium	3	4.04 %	Pass
	Commercial Value	47	49.90	
	Copper	0.05	0.07 %	Pass
	Iron	0.10	0.17 %	Pass
	Manganese, Acid Soluble	0.05	0.07 %	Pass
	Manganese, Water Soluble	0.05	0.05 %	Pass
	Nitrogen, Total	11	11.44 %	Pass
	Overall Index Value		106.17 %	Pass
	Phosphate, Available as P2C	3	3.76 %	Pass
	Potash, Soluble as K2O	8	8.05 %	Pass
	Zinc, Acid Soluble	0.05	0.07 %	Pass
	Zinc, Water Soluble	0.05	0.02 %	Deficient
Product: Pour and feed plant food				
Sample No: 24N007854				
	Nitrogen, Total	0.02	0.02 %	Pass
	Phosphate, Available as P2C	0.02	0.04 %	Pass
Sample No: 24N008953				
	Commercial Value	0.12	0.64	
	Nitrogen, Total	0.02	0.10 %	Pass
	Overall Index Value		535.83 %	Pass
	Phosphate, Available as P2C	0.02	0.02 %	Pass
	Potash, Soluble as K2O	0.02	0.30 %	Pass
Product: Scotts All Purpose Flower and v				
Sample No: 24N003155				
	Commercial Value	60	69.97	
	Nitrogen, Total	10	11.68 %	Pass
	Overall Index Value		116.62 %	Pass
	Phosphate, Available as P2C	10	10.57 %	Pass
	Potash, Soluble as K2O	10	13.80 %	Pass
	Sulfur	2	2.91 %	Pass
Product: Scotts Crabgrass Prev and Fert				
Sample No: 24N008949				

	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Product: Scotts Evergreen, Flowering Tre				
Sample No: 24N006071				
	Commercial Value	81	89.10	
	Nitrogen, Total	26	28.57 %	Pass
	Overall Index Value		110.00 %	Pass
	Potash, Soluble as K2O	3	3.39 %	Pass
	Sulfur	15	14.93 %	Pass
Product: Scotts Evergreen, Flowering, Tr				
Sample No: 24N006881				
	Commercial Value	54	67.30	
	Nitrogen, Total	11	11.45 %	Pass
	Overall Index Value		124.62 %	Pass
	Phosphate, Available as P2C	7	9.51 %	Pass
	Potash, Soluble as K2O	7	13.91 %	Pass
	Sulfur	2.1	2.98 %	Pass
Product: Scotts Fall Lawn Fertilizer				
Sample No: 24N008948				
	Commercial Value	54	64.15	
	Nitrogen, Total	11	12.26 %	Pass
	Overall Index Value		118.80 %	Pass
	Phosphate, Available as P2C	7	9.25 %	Pass
	Potash, Soluble as K2O	7	8.87 %	Pass
	Sulfur	2.1	2.74 %	Pass
Product: Scotts Flower & Vegetable fertili				
Sample No: 24N004578				
	Commercial Value	60	60.98	
	Nitrogen, Total	10	10.63 %	Pass
	Overall Index Value		101.63 %	Pass
	Phosphate, Available as P2C	10	9.78 %	Pass
	Potash, Soluble as K2O	10	9.54 %	Pass
	Sulfur	2	2.91 %	Pass

<u>Sample No:</u>	<u>24N006070</u>	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
		Commercial Value	60	66.67	
		Nitrogen, Total	10	11.00 %	Pass
		Overall Index Value		111.12 %	Pass
		Phosphate, Available as P2C	10	11.28 %	Pass
		Potash, Soluble as K2O	10	11.11 %	Pass
		Sulfur	2	3.26 %	Pass
Sample No:	24N006876				
		Commercial Value	60	68.34	
		Nitrogen, Total	10	11.21 %	Pass
		Overall Index Value		113.90 %	Pass
		Phosphate, Available as P2C	10	11.74 %	Pass
		Potash, Soluble as K2O	10	11.23 %	Pass
		Sulfur	2	2.72 %	Pass
Product:	Scotts Lawn Food				
Sample No:	24N005377				
		Commercial Value	100	103.89	
		Iron	2	1.86 %	Pass
		Nitrogen, Total	32	33.11 %	Pass
		Overall Index Value		103.89 %	Pass
		Potash, Soluble as K2O	4	4.55 %	Pass
		Sulfur	7	7.69 %	Pass
Product:	Scotts Rose & Bloom fertilizer ('				
Sample No:	24N006072				
		Commercial Value	52	68.05	
		Nitrogen, Total	12	13.96 %	Pass
		Overall Index Value		130.86 %	Pass
		Phosphate, Available as P2C	4	6.16 %	Pass
		Potash, Soluble as K2O	8	13.86 %	Pass
		Sulfur	2.2	3.58 %	Pass
Product:	Scotts Rose & Bloom Plant Foo				
Sample No:	24N007370				
		Commercial Value	52	53.74	
		Nitrogen, Total	12	12.10 %	Pass
		Overall Index Value		103.35 %	Pass
		Phosphate, Available as P2C	4	4.51 %	Pass

	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
	Potash, Soluble as K2O	8	8.42 %	Pass
	Sulfur	2.2	3.22 %	Pass
Product: Scotts Turf Builder				
Sample No: 24N008960				
	Commercial Value	106	106.04	
	Nitrogen, Total	32	31.98 %	Pass
	Overall Index Value		100.04 %	Pass
	Potash, Soluble as K2O	10	10.10 %	Pass
	Sulfur	6	6.84 %	Pass
Product: Scotts Turf Builder Lawn Fertiliz				
Sample No: 24N005418				
	Commercial Value	111	112.73	
	Iron	0.5	1.31 %	Pass
	Nitrogen, Total	21	21.30 %	Pass
	Overall Index Value		101.56 %	Pass
	Phosphate, Available as P2C	22	22.35 %	Pass
	Potash, Soluble as K2O	4	4.12 %	Pass
	Sulfur	1	2.75 %	Pass
Product: Scotts Turf Builder Lawn Food				
Sample No: 24N004951				
	Commercial Value	100	102.44	
	Iron	2	1.93 %	Pass
	Nitrogen, Total	32	32.89 %	Pass
	Overall Index Value		102.44 %	Pass
	Potash, Soluble as K2O	4	3.77 %	Pass
	Sulfur	7	7.18 %	Pass
Product: Scotts Turf Builder Plus 2				
Sample No: 24N007944				
	Commercial Value	77	77.29	
	Nitrogen, Total	25	25.03 %	Pass
	Overall Index Value		100.38 %	Pass
	Potash, Soluble as K2O	2	2.20 %	Pass
Product: Scotts Turf Builder Starter Fertiliz				
Sample No: 24N003156				
	Commercial Value	126	129.48	
	Nitrogen, Total	24	25.01 %	Pass

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Overall Index Value		102.76 %	Pass
Phosphate, Available as P2C	25	24.51 %	Pass
Potash, Soluble as K2O	4	5.44 %	Pass

Product: Scott's Turf Builder Starter lawn

Sample No: 24N004424

Commercial Value	126	126.45	
Nitrogen, Total	24	24.38 %	Pass
Overall Index Value		100.35 %	Pass
Phosphate, Available as P2C	25	24.43 %	Pass
Potash, Soluble as K2O	4	4.45 %	Pass

Product: Shake N Feed

Sample No: 24N005325

Calcium	7.6	8.92 %	Pass
Commercial Value	52	56.97	
Copper	0.06	0.08 %	Pass
Iron	0.95	1.32 %	Pass
Magnesium, Acid Soluble	2.5	3.14 %	Pass
Magnesium, Water Soluble	0.7	1.11 %	Pass
Manganese, Acid Soluble	0.35	0.45 %	Pass
Manganese, Water Soluble	0.23	0.21 %	Pass
Nitrogen, Total	12	13.01 %	Pass
Overall Index Value		109.55 %	Pass
Phosphate, Available as P2C	4	5.03 %	Pass
Potash, Soluble as K2O	8	7.86 %	Pass
Sulfur	3.2	4.65 %	Pass
Zinc, Acid Soluble	0.12	0.19 %	Pass

Product: Starter fertilizer

Sample No: 24N004685

Commercial Value	126	126.93	
Nitrogen, Total	24	24.51 %	Pass
Overall Index Value		100.73 %	Pass
Phosphate, Available as P2C	25	24.75 %	Pass
Potash, Soluble as K2O	4	3.89 %	Pass

Product: Tree and Shrub Plant food Spike

Sample No: 24N005266

Commercial Value	65	69.14	
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<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Iron	0.1	0.17 %	Pass
Manganese, Acid Soluble	0.05	0.04 %	Pass
Manganese, Water Soluble	0.05	0.02 %	Deficient
Nitrogen, Total	15	16.25 %	Pass
Overall Index Value		106.36 %	Pass
Phosphate, Available as P2C	5	5.34 %	Pass
Potash, Soluble as K2O	10	9.70 %	Pass
Sulfur	16	17.77 %	Pass

Product: Tropical Houseplant Food

Sample No: 24N004231

Commercial Value	5	5.78	
Iron	.006	0.01 %	Pass
Nitrogen, Total	1	1.17 %	Pass
Overall Index Value		115.52 %	Pass
Phosphate, Available as P2C	0.5	0.71 %	Pass
Potash, Soluble as K2O	1	0.84 %	Pass

Product: Turf builder

Sample No: 24N004686

Commercial Value	100	102.64	
Iron	2	1.91 %	Pass
Nitrogen, Total	32	32.86 %	Pass
Overall Index Value		102.64 %	Pass
Potash, Soluble as K2O	4	4.07 %	Pass
Sulfur	7	7.58 %	Pass

Product: Watering Can Singles

Sample No: 24N005326

Commercial Value	104	104.82	
Nitrogen, Total	24	24.28 %	Pass
Overall Index Value		100.79 %	Pass
Phosphate, Available as P2C	8	8.21 %	Pass
Potash, Soluble as K2O	16	15.58 %	Pass

Manufacturer: Simplot--Pocatello, ID

Product: MAP

Sample No: 24N003580

Commercial Value	137	141.94	
Nitrogen, Total	11	12.16 %	Pass

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
		Overall Index Value		103.60 %	Pass
		Phosphate, Available as P2C	52	52.73 %	Pass
Manufacturer:	Simplot--Rocksprings, WY				
Product:	Fertilizer 12-40-0-6.5s-1z.				
Sample No:	24N007904				
		Commercial Value	116	119.16	
		Nitrogen, Total	12	13.11 %	Pass
		Overall Index Value		102.72 %	Pass
		Phosphate, Available as P2C	40	39.91 %	Pass
		Sulfur	6.5	6.40 %	Pass
		Zinc, Acid Soluble	1	0.98 %	Pass
Manufacturer:	Simplot--Sioux City, IA				
Product:	40 Rock Power Blend treated wi				
Sample No:	24N008153				
		Commercial Value	116	117.89	
		Nitrogen, Total	12	13.28 %	Pass
		Overall Index Value		101.63 %	Pass
		Phosphate, Available as P2C	40	39.02 %	Deficient
		Sulfur	6.5	6.91 %	Pass
		Zinc, Acid Soluble	1	1.10 %	Pass
Product:	Fertilizer GREEN MAP				
Sample No:	24N000012				
		Commercial Value	137	137.71	
		Nitrogen, Total	11	11.08 %	Pass
		Overall Index Value		100.52 %	Pass
		Phosphate, Available as P2C	52	52.23 %	Pass
Product:	MAP				
Sample No:	24N002627				
		Commercial Value	137	139.93	
		Nitrogen, Total	11	11.29 %	Pass
		Overall Index Value		102.14 %	Pass
		Phosphate, Available as P2C	52	52.98 %	Pass
Sample No:	24N008784				
		Commercial Value	137	139.48	
		Nitrogen, Total	11	11.48 %	Pass
		Overall Index Value		101.81 %	Pass

	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Sample No: 24N010241	Phosphate, Available as P2C	52	52.52 %	Pass
	Commercial Value	137	135.95	
	Nitrogen, Total	11	11.24 %	Pass
	Overall Index Value		99.23 %	Pass
	Phosphate, Available as P2C	52	51.11 %	Pass
Manufacturer: Skyline Encap Holdings LL				
Product: Earth Science Bone Meal				
Sample No: 24N002639				
	Commercial Value	40	58.57	
	Nitrogen, Total	2	2.98 %	Pass
	Overall Index Value		146.44 %	Pass
	Phosphate, Available as P2C	17	24.82 %	Pass
Product: Earth Science Natural Blood Me				
Sample No: 24N001295				
	Nitrogen, Total	14.0	15.05 %	Pass
Product: Iron Pro 1-0-1				
Sample No: 24N005378				
	Calcium	8.0	12.40 %	Pass
	Commercial Value	4	5.54	
	Iron	20.0	21.09 %	Pass
	Nitrogen, Total	1.0	1.32 %	Pass
	Overall Index Value		138.48 %	Pass
	Potash, Soluble as K2O	1.0	1.59 %	Pass
	Sulfur	5.0	10.23 %	Pass
Manufacturer: Spectrum Group Division o				
Product: Spectracide Weed And Feed 20				
Sample No: 24N004238				
	Nitrogen, Total	20	21.24 %	Pass
Manufacturer: Sun Bulb Company				
Product: Better-Gro Orchid Plus (20-14-1				
Sample No: 24N007371				
	Boron, Acid Soluble	0.02	0.02 %	Pass
	Commercial Value	101	98.99	
	Copper	0.05	0.05 %	Pass
	Iron	0.20	0.22 %	Pass

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Magnesium, Acid Soluble	1.00	1.16 %	Pass
Magnesium, Water Soluble	1.00	1.25 %	Pass
Manganese, Acid Soluble	0.050	0.05 %	Pass
Nitrogen, Total	20.00	19.67 %	Pass
Overall Index Value		98.01 %	Pass
Phosphate, Available as P2C	14.00	13.75 %	Pass
Potash, Soluble as K2O	13.00	12.47 %	Pass
Zinc, Acid Soluble	0.05	0.05 %	Pass
Zinc, Chelated	0.05	0.05 %	Pass

Product: Better-Gro Orchid Plus Fertilizer

Sample No: 24N008029

Boron, Acid Soluble	0.02	0.02 %	Pass
Commercial Value	101	102.05	
Copper	0.05	0.06 %	Pass
Iron	0.20	0.23 %	Pass
Magnesium, Acid Soluble	1.00	1.09 %	Pass
Magnesium, Water Soluble	1.00	1.20 %	Pass
Manganese, Acid Soluble	0.050	0.05 %	Pass
Nitrogen, Total	20.00	20.49 %	Pass
Overall Index Value		101.04 %	Pass
Phosphate, Available as P2C	14.00	13.87 %	Pass
Potash, Soluble as K2O	13.00	12.84 %	Pass
Zinc, Acid Soluble	0.05	0.05 %	Pass
Zinc, Chelated	0.05	0.05 %	Pass

Product: Dynamite Cactus & Succulent F

Sample No: 24N006478

Boron, Acid Soluble	0.02	0.03 %	Pass
Commercial Value	74	77.79	
Copper	0.05	0.06 %	Pass
Iron	0.20	0.44 %	Pass
Magnesium, Acid Soluble	1.20	1.93 %	Pass
Magnesium, Water Soluble	1.20	1.73 %	Pass
Manganese, Acid Soluble	0.06	0.13 %	Pass
Manganese, Water Soluble	0.06	0.10 %	Pass
Molybdenum	0.02	0.02 %	Pass
Nitrogen, Total	18.00	18.58 %	Pass

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Overall Index Value		105.12 %	Pass
Phosphate, Available as P2C	6.00	6.65 %	Pass
Potash, Soluble as K2O	8.00	8.74 %	Pass
Sulfur	4.00	5.26 %	Pass

Manufacturer: Swiss Farms Products Inc
Product: Lawn Fertilizer

Sample No: 24N008950

Commercial Value	91	102.27	
Nitrogen, Total	29	32.47 %	Pass
Overall Index Value		112.38 %	Pass
Potash, Soluble as K2O	4	4.86 %	Pass

Product: Winterizer 28-0-10 Fertilizer

Sample No: 24N000796

Commercial Value	94	99.53	
Nitrogen, Total	28	29.61 %	Pass
Overall Index Value		105.88 %	Pass
Potash, Soluble as K2O	10	10.70 %	Pass

Product: Winterizer Fertilizer

Sample No: 24N008951

Commercial Value	94	106.22	
Nitrogen, Total	28	32.06 %	Pass
Overall Index Value		113.00 %	Pass
Potash, Soluble as K2O	10	10.04 %	Pass

Sample No: 24N008959

Commercial Value	94	101.75	
Nitrogen, Total	28	29.88 %	Pass
Overall Index Value		108.25 %	Pass
Potash, Soluble as K2O	10	12.11 %	Pass

Manufacturer: The Andersons
Product: Liquid Fertilizer (11-0-0-24S)

Sample No: 24N003497

Nitrogen, Total	11	11.72 %	Pass
Sulfur	24	23.20 %	Pass

Manufacturer: ThorAg-Holloway
Product: 46-0-0

Sample No: 24N004253

	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Product: Urea 46-0-0	Nitrogen, Total	46	46.24 %	Pass
Sample No: 24N002767				
	Nitrogen, Total	46	46.03 %	Pass
Manufacturer: ThorAg-Shoreview				
Product: AMS				
Sample No: 24N002720				
	Nitrogen, Total	21	20.57 %	Pass
	Sulfur	24	24.16 %	Pass
Product: Potash				
Sample No: 24N002706				
	Potash, Soluble as K2O	60	60.34 %	Pass
Manufacturer: True Organic Products				
Product: All purpose plant food				
Sample No: 24N007859				
	Calcium	4	4.05 %	Pass
	Commercial Value	28	29.75	
	Nitrogen, Total	5	4.95 %	Pass
	Overall Index Value		106.26 %	Pass
	Phosphate, Available as P2C	4	4.84 %	Pass
	Potash, Soluble as K2O	5	5.23 %	Pass
	Sulfur	1	0.90 %	Pass
Product: Preplant starter food				
Sample No: 24N007857				
	Calcium	6	6.54 %	Pass
	Commercial Value	24	30.94	
	Nitrogen, Total	4	5.14 %	Pass
	Overall Index Value		128.91 %	Pass
	Phosphate, Available as P2C	4	4.62 %	Pass
	Potash, Soluble as K2O	4	6.29 %	Pass
	Sulfur	1	2.82 %	Pass
Product: True Organic Annuals & Perenn				
Sample No: 24N002626				
	Calcium	4	5.67 %	Pass
	Commercial Value	23	29.38	
	Nitrogen, Total	3	4.86 %	Pass

	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Product: True Organic Azalea Camellia a				
Sample No: 24N007947				
	Overall Index Value		127.74 %	Pass
	Phosphate, Available as P2C	5	4.75 %	Pass
	Potash, Soluble as K2O	4	5.30 %	Pass
	Sulfur	1	2.97 %	Pass
Product: True Organic Berry Food				
Sample No: 24N007948				
	Calcium	6	7.96 %	Pass
	Commercial Value	26	34.61	
	Nitrogen, Total	5	6.08 %	Pass
	Overall Index Value		133.12 %	Pass
	Phosphate, Available as P2C	4	6.34 %	Pass
	Potash, Soluble as K2O	3	3.68 %	Pass
	Sulfur	5	3.19 %	Deficient
Product: True Organic Bone Meal				
Sample No: 24N004236				
	Calcium	6	4.82 %	Deficient
	Commercial Value	27	31.27	
	Nitrogen, Total	5	5.32 %	Pass
	Overall Index Value		115.81 %	Pass
	Phosphate, Available as P2C	4	5.12 %	Pass
	Potash, Soluble as K2O	4	5.06 %	Pass
	Sulfur	1	1.01 %	Pass
Product: True organic raised bed food				
Sample No: 24N006043				
	Calcium	5	6.79 %	Pass
	Commercial Value	30	37.16	
	Nitrogen, Total	6	6.30 %	Pass
	Overall Index Value		123.86 %	Pass
	Phosphate, Available as P2C	3	5.67 %	Pass

	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
	Potash, Soluble as K2O	6	6.92 %	Pass
	Sulfur	1	3.50 %	Pass
Product: True Organic Tomato & Vegetab				
Sample No: 24N004668				
	Calcium	6	8.89 %	Pass
	Commercial Value	28	33.54	
	Nitrogen, Total	4	5.04 %	Pass
	Overall Index Value		119.80 %	Pass
	Phosphate, Available as P2C	5	5.50 %	Pass
	Potash, Soluble as K2O	6	7.42 %	Pass
	Sulfur	1	2.57 %	Pass
Manufacturer: Van Diest				
Product: Sulfur fertilizer (0-0-0-90s)				
Sample No: 24N003504				
	Sulfur	90	89.54 %	Pass
Manufacturer: Voluntary Purchasing Grou				
Product: Ferti-lome All Purpose Househo				
Sample No: 24N006076				
	Commercial Value	60	58.98	
	Nitrogen, Total	10	9.89 %	Pass
	Overall Index Value		98.29 %	Pass
	Phosphate, Available as P2C	10	9.75 %	Pass
	Potash, Soluble as K2O	10	9.82 %	Pass
Product: Ferti-lome Blooming & Rooting 1				
Sample No: 24N006075				
	Commercial Value	151	154.64	
	Nitrogen, Total	9	9.21 %	Pass
	Overall Index Value		102.41 %	Pass
	Phosphate, Available as P2C	58	59.14 %	Pass
	Potash, Soluble as K2O	8	8.72 %	Pass
Product: Hi-Yield Bone Meal (0-10-0)				
Sample No: 24N006074				
	Phosphate, Available as P2C	10	18.84 %	Pass
Product: Hi-Yield Garden Fertilizer (8-10-				
Sample No: 24N004429				
	Commercial Value	52	45.88	

	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
	Nitrogen, Total	8.0	7.28 %	Deficient
	Overall Index Value		88.23 %	Deficient
	Phosphate, Available as P2C	10	7.60 %	Deficient
	Potash, Soluble as K2O	8.0	8.83 %	Pass
Product: Hi-Yield Tomato & Vegetable Fe				
Sample No: 24N006073				
	Commercial Value	38	35.23	
	Nitrogen, Total	4	3.62 %	Pass
	Overall Index Value		92.70 %	Deficient
	Phosphate, Available as P2C	10	8.79 %	Deficient
	Potash, Soluble as K2O	6	6.79 %	Pass
Product: Hi-Yield Tomato & Vegetable Fo				
Sample No: 24N002446				
	Commercial Value	38	53.30	
	Nitrogen, Total	4	5.54 %	Pass
	Overall Index Value		140.27 %	Pass
	Phosphate, Available as P2C	10	13.91 %	Pass
	Potash, Soluble as K2O	6	8.86 %	Pass
Product: Muriate of Potash (0-0-60)				
Sample No: 24N004428				
	Potash, Soluble as K2O	60	59.48 %	Pass
Manufacturer: VPG				
Product: ferti-lome All Purpose Housepla				
Sample No: 24N006479				
	Commercial Value	60	56.50	
	Nitrogen, Total	10	8.89 %	Deficient
	Nitrogen, Total	10	9.60 %	Pass
	Overall Index Value		94.16 %	Deficient
	Phosphate, Available as P2C	10	9.77 %	Pass
	Potash, Soluble as K2O	10	9.56 %	Pass
Product: Ferti-lome Blooming & Rooting I				
Sample No: 24N001388				
	Commercial Value	151	153.00	
	Nitrogen, Total	9	9.16 %	Pass
	Overall Index Value		101.33 %	Pass
	Phosphate, Available as P2C	58	58.07 %	Pass

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
		Potash, Soluble as K2O	8	9.38 %	Pass
Manufacturer:	Western Consolidated Coo				
Product:	AMS				
Sample No:	24N008974				
		Nitrogen, Total	21	21.69 %	Pass
		Sulfur	24	24.54 %	Pass
Product:	Potash				
Sample No:	24N003429				
		Potash, Soluble as K2O	60	59.65 %	Pass
Product:	Urea				
Sample No:	24N001960				
		Nitrogen, Total	46	45.77 %	Pass
Manufacturer:	Western Consolidated Coo				
Product:	0-0-60				
Sample No:	24N003424				
		Potash, Soluble as K2O	60	58.90 %	Pass
Product:	11-52-0				
Sample No:	24N009403				
		Commercial Value	137	138.56	
		Nitrogen, Total	11	11.51 %	Pass
		Overall Index Value		101.14 %	Pass
		Phosphate, Available as P2C	52	52.02 %	Pass
Product:	46-0-0				
Sample No:	24N003419				
		Nitrogen, Total	46	46.55 %	Pass
Sample No:	24N004251				
		Nitrogen, Total	46	46.51 %	Pass
Product:	AMS				
Sample No:	24N003425				
		Nitrogen, Total	21	21.84 %	Pass
		Sulfur	24	24.87 %	Pass
Sample No:	24N003578				
		Nitrogen, Total	21	21.93 %	Pass
		Sulfur	24	23.93 %	Pass
Product:	MAP				
Sample No:	24N003420				

		<u>Analyte</u>	<u>Claim</u>	<u>Found</u>	<u>Unit</u>	<u>Disposition</u>
		Commercial Value	137	141.89		
		Nitrogen, Total	11	11.23 %		Pass
		Overall Index Value		103.57 %		Pass
		Phosphate, Available as P2C	52	54.10 %		Pass
Product:	Potash					
Sample No:	24N002078					
		Potash, Soluble as K2O	60	62.10 %		Pass
Sample No:	24N004252					
		Potash, Soluble as K2O	60	59.50 %		Pass
Sample No:	24N008972					
		Potash, Soluble as K2O	60	60.29 %		Pass
Manufacturer:	Wilbur Ellis-Huron					
Product:	11-52-0					
Sample No:	24N009331					
		Commercial Value	137	140.46		
		Nitrogen, Total	11	12.09 %		Pass
		Overall Index Value		102.53 %		Pass
		Phosphate, Available as P2C	52	52.09 %		Pass

Performed By:



Collected By:



DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES
JOE FOSS BUILDING
523 E CAPITOL AVE
PIERRE SD 57501-3182
danr.sd.gov

2024 Fertilizer Analyte Totals

<u>Analyte</u>	<u>Unit</u>	<u>Count</u>
Boron, Acid Soluble	%	41.00
Calcium	%	25.00
Commercial Value		284.00
Commercial Value (STPB)		7.00
Copper	%	50.00
Iron	%	104.00
Magnesium, Acid Soluble	%	24.00
Magnesium, Water Soluble	%	23.00
Manganese, Acid Soluble	%	84.00
Manganese, Water Soluble	%	31.00
Molybdenum	%	2.00
Nitrogen, Total	%	429.00
Overall Index Value	%	284.00
Overall Index Value (STPB)	%	7.00
Phosphate, Available as P2O5	%	268.00
Phosphate, Available as P2O5	%	5.00
Potash, Soluble as K2O	%	235.00
Potash, Soluble (STPB) as K2O	%	18.00
Sodium	%	2.00
Sulfur	%	150.00
Zinc, Acid Soluble	%	96.00
Zinc, Chelated	%	29.00
Zinc, Water Soluble	%	32.00
Total Fertilizer Analyses:		2,230.00

South Dakota Department of Agriculture and Natural Resources
 Tonnage Summary Report
 Report Year 2024

Code	Grade	Total
998	0	1,138.52
649	0.5-0.5-0.5	0.00
754	00-00-00	18.08
732	00-00-00	3,344.59
733	00-00-00	11.51
742	00-00-00	2.32
744	00-00-00	0.00
745	00-00-00	-4.21
782	00-00-00	2,476.54
750	00-00-00	0.82
728	00-00-00	0.75
764	00-00-00	249.78
765	00-00-00	0.41
766	00-00-00	580.02
767	00-00-00	1.68
770	00-00-00	2,979.84
773	00-00-00	18.78
780	00-00-00	0.00
749	00-00-00	18.10
498	00-00-00	250.73
56	00-00-00	569.69
61	00-00-00	29,320.48
97	00-00-00	24,504.35
98	00-00-00	8,341.74
205	00-00-00	1,839.41
209	00-00-00	850.00
297	00-00-00	11,980.09
731	00-00-00	0.25
497	00-00-00	775.64
730	00-00-00	35.56
697	00-00-00	6.44
0	00-00-00	22,416.76
702	00-00-00	0.17
720	00-00-00	27.48
722	00-00-00	24.69
726	00-00-00	0.03
706	00-00-00	553.27
298	00-00-00	4,222.52
908	00-00-00	326.63
783	00-00-00	56.44
698	00-00-00	8.00

Code	Grade	Total
998	00-00-00	241,054.00
990	00-00-00	37,950.43
988	00-00-00	3,153.16
978	00-00-00	20,390.91
910	00-00-00	4,350.31
907	00-00-00	889.75
905	00-00-00	690.74
904	00-00-00	0.05
902	00-00-00	115.60
798	00-00-00	133.19
797	00-00-00	934.66
784	00-00-00	793.20
915	00-00-00	113.82
443	00-00-22	44.81
463	00-00-50	2,924.25
428	00-00-58	265.44
428	00-00-60	172,777.57
428	00-00-62	3,461.92
430	00-00-62	2,208.27
423	00-00-64	39.96
233	00-13-00	57.26
243	00-3-00	1,434.36
267	00-46-00	0.05
248	00-54-00	95.15
273	00-68-00	22,668.91
649	01-01-01	0.00
73	10-00-00	19.52
249	10-34-00	23,651.49
998	11-22-00	0.00
998	11-28-00	0.00
202	11-48-00	5,447.87
209	11-52-00	249,743.07
601	12-00-00	222.06
31	12-00-00	14,064.78
629	12-11-2	0.02
998	12-35-00	0.00
201	12-51-00	2,125.60
998	15-8-20	0.00
207	16-20-00	1,879.00
35	17-00-00	0.20
13	18-46-00	1,522.76
203	18-46-00	41,818.25
12	20-00-00	113.17
20	20-00-00	15,598.39
67	20-00-00	0.50

Code	Grade	Total
998	20-22-00	0.00
998	21.5-16-18	0.00
38	21-00-00	2.75
24	21-00-00	123,910.43
13	21-00-00	6,265.60
613	2-2-1	2,741.20
216	2-27-00	0.20
998	23-10-00	0.00
998	24-21-00	0.00
998	25-16-9	0.00
998	27-10-00	0.00
58	28-00-00	107,322.91
203	28-00-00	5081.07
998	28-28-00	0.00
59	30-00-00	44.18
16	30-00-00	1.89
998	30-00-04	0.01
998	30-13-6	16.00
998	30-13-9	16.00
60	32-00-00	137,773.58
10	34-00-00	0.00
29	34-00-00	30.02
998	34-10-00	0.00
998	34-13-00	0.00
998	35-18-00	0.00
64	36-00-00	0.00
998	36-07-00	0.00
998	36-08-00	0.00
68	38-00-00	0.50
998	39-09-00	0.00
998	39-10-00	0.00
66	46-00-00	804,850.76
25	6-00-00	264.69
665	6-2-2	251.90
998	6-24-6	408.86
998	6-24-6-1S	0.00
50	7-00-00	0.00
2	82-00-00	14,621.28
77	9-00-00	258.50
		2,193,532.54