

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

**JANUARY 1, 2018**

**TO**

**DECEMBER 31, 2018**



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## 2018 COMMERCIAL FERTILIZER ANNUAL REPORT

The South Dakota Department of Agriculture, Division of Agricultural Services, Office of Agronomy Services under the Authority of SDCL 38-14 provides for sampling and analysis of fertilizer ingredients and fertilizer products sold in South Dakota. 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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## 2018 Fertilizer Manufacturer Sample Totals

**Manufacturer:**

Manufacturer	Location			State		
	<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>
ADM Fertilizer - Minneapolis (2)	Minneapolis			MN		
	3.00	0.00	0.00	1.00	4	1
Advanced Prescription Fertilizer	Hurley			SD		
	14.00	0.00	0.00	1.00	15	6
AdvanSix, Inc	Parsippany			NJ		
	2.00	0.00	0.00	0.00	2	1
Ag First-Aurora	Aurora			SD		
	64.00	0.00	0.00	16.00	80	19
Agrium U.S. Inc.-Loveland	Loveland			CO		
	3.00	0.00	0.00	1.00	4	1
Agrium-S City	Sioux City			IA		
	1.00	0.00	0.00	0.00	1	1
Agroplasma, Inc.	Tempe			AZ		
	1.00	1.00	0.00	0.00	2	2



	<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>
	43.00	2.00	0.00	8.00	53	15
<b>Agtegra Cooperative-Aberdeen</b>	<b>Aberdeen</b>		<b>SD</b>			
	<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
<b>Agtegra-McLaughlin</b>	<b>McLaughlin</b>		<b>SD</b>			
	<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	2.00	9	3
<b>Ategra-Chamberlain</b>	<b>Chamberlain</b>		<b>SD</b>			
	<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	1.00	0.00	2.00	13	6
<b>Ategra-Kimball</b>	<b>Kimball</b>		<b>SD</b>			
	<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
<b>Bentrei Fertilizer Co.</b>	<b>Tulsa</b>		<b>OK</b>			
	<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	1.00	9	4
<b>Castlewood Farmers Elevator</b>	<b>Castlewood</b>		<b>SD</b>			
	<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
<b>CBH Coop</b>	<b>Belle Fourche</b>		<b>SD</b>			
	<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	2.00	11	2
<b>Cenex Harvest States</b>	<b>Minneapolis</b>		<b>MN</b>			
	<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
<b>Central Farmer-Fremar-Tyndall</b>	<b>Tyndall</b>		<b>SD</b>			
	<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	2.00	9	3
<b>Central Farmers Coop-Fremar-Irene</b>	<b>Irene</b>		<b>SD</b>			

	<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	2.00	0.00	4.00	20	6
<b>Central Farmers Coop-Marion</b>	<b>Marion</b>		<b>SD</b>			
	<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
<b>Central Farmers Coop-Scotland</b>	<b>Scotland</b>		<b>SD</b>			
	<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	2.00	0.00	3.00	14	4
<b>Central Valley Ag Coop-York</b>	<b>York</b>		<b>NE</b>			
	<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
<b>CF Industries - Port Neal</b>	<b>Port Neal</b>		<b>IA</b>			
	<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	0.00	6	6
<b>CF Industries Sales, LLC-Deerfield</b>	<b>Deerfield</b>		<b>IL</b>			
	<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
<b>CHS White Lake</b>	<b>White Lake</b>		<b>SD</b>			
	<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>
	19.00	1.00	0.00	4.00	24	7
<b>CHS-Alton</b>	<b>Alton</b>		<b>IA</b>			
	<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
<b>CHS-Corsica</b>	<b>Corsica</b>		<b>SD</b>			
	<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>
	33.00	4.00	0.00	7.00	44	9
<b>CHS-Elkton</b>	<b>Elkton</b>		<b>SD</b>			
	<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	2.00	0.00	6.00	28	6
<b>CHS-Inver Grove Heights</b>	<b>Inver Grove Heights</b>		<b>MN</b>			

<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

<b>CHS-St. Paul</b>	<b>St. Paul</b>	<b>MN</b>
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<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	1.00	0.00	2.00	12	6

<b>CHS-Watertown</b>	<b>Watertown</b>	<b>SD</b>
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<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>
58.00	0.00	0.00	10.00	68	32

<b>CHS-Watertown 710</b>	<b>Watertown</b>	<b>SD</b>
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<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

<b>CHS-Winona</b>	<b>Winona</b>	<b>MN</b>
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<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

<b>Cone Ag-Pierre</b>	<b>Pierre</b>	<b>SD</b>
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<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	1.00	0.00	0.00	2	1

<b>Country Pride Coop-Fairfax</b>	<b>Fairfax</b>	<b>SD</b>
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<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>
35.00	7.00	0.00	8.00	50	8

<b>Country Pride Coop-Freeman</b>	<b>Freeman</b>	<b>SD</b>
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<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	3.00	18	3

<b>Country Pride Coop-Menno</b>	<b>Menno</b>	<b>SD</b>
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<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	1.00	0.00	6	4

<b>Country Pride Coop-Winner</b>	<b>Winner</b>	<b>SD</b>
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<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	0.00	0.00	3.00	20	7



<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	7.00	45	15

<b>Crop Production Services / Meckling</b>	<b>Meckling</b>	<b>SD</b>
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<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

<b>Crop Production Services-Centerville</b>	<b>Centerville</b>	<b>SD</b>
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<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	2

<b>Dakota Fertilizer-Canton</b>	<b>Canton</b>	<b>SD</b>
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<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

<b>Dakota Gasification Company</b>	<b>Beulah</b>	<b>ND</b>
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<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

<b>Dakota Mill &amp; Grain</b>	<b>Presho</b>	<b>SD</b>
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<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	4

<b>Deuel County Farmers Oil Union</b>	<b>Toronto</b>	<b>SD</b>
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<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>
30.00	0.00	0.00	6.00	36	9

<b>Domestic Fertilizer, Inc.</b>	<b>Paris</b>	<b>KY</b>
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<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	1.00	2	1

<b>Easy Gardener Inc</b>	<b>Waco</b>	<b>TX</b>
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<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	6.00	30	6

<b>Eau Claire Coop</b>	<b>EauClaire</b>	<b>WI</b>
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<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>
42.00	2.00	0.00	21.00	65	13

	<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	2.00	5	1
<b>Estelline Community Oil</b>	<b>Estelline</b>		<b>SD</b>			
	<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
<b>Estelline Coop</b>	<b>Estelline</b>		<b>SD</b>			
	<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	2.00	11	2
<b>Farm Country Coop-Florence</b>	<b>Florence</b>		<b>SD</b>			
	<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	4
<b>Farmers Ag Center - Madison</b>	<b>Madison</b>		<b>SD</b>			
	<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	3.00	17	3
<b>Farmers Coop Elevator-Avon</b>	<b>Avon</b>		<b>SD</b>			
	<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	4.00	0.00	4.00	17	5
<b>Farmers Elevator-Platte</b>	<b>Platte</b>		<b>SD</b>			
	<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	4
<b>Fousek Grain-Wagner</b>	<b>Wagner</b>		<b>SD</b>			
	<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	1.00	0.00	1.00	6	3
<b>Frontier Fertilizer-Johnstown</b>	<b>Johnstown</b>		<b>CO</b>			
	<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
<b>Full Circle Ag-Hecla</b>	<b>Hecla</b>		<b>SD</b>			
	<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

	<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	2.00	9	3
<b>Geddes Farmers Elevator-Geddes</b>	<b>Geddes</b>		<b>SD</b>			
	<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	4
<b>GroTec Inc.</b>	<b>Madison</b>		<b>GA</b>			
	<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	4.00	14	3
<b>Hamlin County Farmers Coop-Hayti</b>	<b>Hayti</b>		<b>SD</b>			
	<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	1.00	0.00	2.00	10	2
<b>Helena Chemical Company-TN</b>	<b>Collierville</b>		<b>TN</b>			
	<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	5.00	21	5
<b>Helena Chemical-Clear Lake</b>	<b>Clear Lake</b>		<b>SD</b>			
	<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	5.00	0.00	4.00	21	4
<b>Howard Johnson's Enterprises, Inc.</b>	<b>Franklin</b>		<b>WI</b>			
	<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
<b>Invictis Crop Care</b>	<b>Loveland</b>		<b>CO</b>			
	<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
<b>Koch Fertilizer LLC-Wichita</b>	<b>Wichita</b>		<b>KS</b>			
	<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
<b>Koch Fertilizer, LLC-Garretson</b>	<b>Garretson</b>		<b>SD</b>			
	<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	4.00	0.00	1.00	6	2

<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	2.00	0.00	1.00	6	3

<b>Koch Nitrogen Company-Wolsey</b>	<b>Wolsey</b>	<b>SD</b>				
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<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>
0.00	1.00	0.00	0.00	1	1

<b>Kugler Company</b>	<b>Culbertson</b>	<b>NE</b>				
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<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

<b>Kugler Company-McCook NE</b>	<b>McCook</b>	<b>NE</b>				
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<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	3.00	0.00	1.00	12	3

<b>Lake Andes Farmers Coop</b>	<b>Lake Andes</b>	<b>SD</b>				
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<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	5.00	11	4

<b>Lebanon Seaboard Corp</b>	<b>Lebanon</b>	<b>PA</b>				
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<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

<b>Marion Agronomy-Marion</b>	<b>Marion</b>	<b>SD</b>				
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<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

<b>McLaughlin SDWG</b>	<b>McLaughlin</b>	<b>SD</b>				
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<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>
11.00	0.00	0.00	3.00	14	5

<b>Mettler Fertilizer</b>	<b>Tripp</b>	<b>SD</b>				
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<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

<b>Mettler Fertilizer -Tripp</b>	<b>Tripp</b>	<b>SD</b>				
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<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>
11.00	0.00	0.00	2.00	13	4

<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

<b>Milwaukee Metropolitan Sewage District</b>	<b>Milwaukee</b>	<b>WI</b>
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<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

<b>Miracle-Gro Lawn Inc - Marysville</b>	<b>Marysville</b>	<b>OH</b>
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<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	11.00	19	3

<b>Missouri River Farms-Yankton</b>	<b>Yankton</b>	<b>SD</b>
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<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	1.00	0.00	1.00	8	4

<b>Mosaic Global Sales, LLC-Lithia</b>	<b>Lithia</b>	<b>FL</b>
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<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	2.00	11	3

<b>North Forty AG-Gregory</b>	<b>Gregory</b>	<b>SD</b>
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<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	1.00	7	3

<b>Nutrien</b>	<b>Northbrook</b>	<b>IL</b>
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<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

<b>Nutrien Ag Solutions - Centerville</b>	<b>Centerville</b>	<b>SD</b>
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<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

<b>Nutrien Ag Solutions - Vermillion</b>	<b>Vermillion</b>	<b>SD</b>
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<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	1.00	7	3

<b>Nu-West Industries-ID</b>	<b>Soda Springs</b>	<b>ID</b>
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<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>
0.00	0.00	0.00	4.00	4	1

	<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
<b>PCI Nitrogen</b>	<b>Pasadena</b>		<b>TX</b>			
	<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
<b>Pinnacle Ag-Herreid</b>	<b>Herreid</b>		<b>SD</b>			
	<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
<b>Potash Corporation of Sask, Inc.</b>	<b>Rocanville</b>		<b>SK Canada</b>			
	<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
<b>Potash Corp-SCity</b>	<b>Sioux City</b>		<b>IA</b>			
	<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>
	0.00	0.00	0.00	1.00	1	1
<b>Prairie Ag Partners-Lake Preston</b>	<b>Lake Preston</b>		<b>SD</b>			
	<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	6.00	30	7
<b>Prairie Ag-Arlington</b>	<b>Arlington</b>		<b>SD</b>			
	<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
<b>Purple Cow Organics, LLC</b>	<b>Middleton</b>		<b>WI</b>			
	<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
<b>Ranek Ag</b>	<b>Tyndall</b>		<b>SD</b>			
	<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
<b>Ranek Ag-Mitchell</b>	<b>Mitchell</b>		<b>SD</b>			
	<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	1.00	1.00	6	2

	<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	2.00	0.00	4.00	15	6
<b>Scotts Miracle Grow</b>	<b>Marysville</b>		<b>OH</b>			
	<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>
	82.00	0.00	0.00	11.00	93	11
<b>Simplot Grower Solutions-Beresford</b>	<b>Beresford</b>		<b>SD</b>			
	<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>
	21.00	0.00	1.00	4.00	26	10
<b>Soil Works, LLC</b>	<b>Yankton</b>		<b>SD</b>			
	<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
<b>South Side Farm Services-Corsica</b>	<b>Corsica</b>		<b>SD</b>			
	<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	2
<b>Southeast Farmer's Coop-Burbank</b>	<b>Burbank</b>		<b>SD</b>			
	<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>
	33.00	0.00	0.00	5.00	38	14
<b>Tabor Lumber Co.</b>	<b>Tabor</b>		<b>SD</b>			
	<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	1.00	0.00	1.00	9	5
<b>Tabor Lumber Coop</b>	<b>Lesterville</b>		<b>SD</b>			
	<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
<b>The Andersons Plant Nutrients</b>	<b>Sioux City</b>		<b>IA</b>			
	<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	3.00	17	3
<b>The Doggett Corporation</b>	<b>Lebanon</b>		<b>NJ</b>			
	<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	1.00	0.00	1.00	9	1
<b>The Espoma Company</b>	<b>Millville</b>		<b>NJ</b>			

	<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	0.00	0.00	2.00	15	2
<b>The Hawthorne Gardening Co.</b>	<b>Port Washington</b>		<b>NY</b>			
	<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
<b>Tulare Fertilizer ADM</b>	<b>Minneapolis</b>		<b>MN</b>			
	<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
<b>Turnis Farm Services</b>	<b>Platte</b>		<b>SD</b>			
	<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
<b>Valley Ag Supply-Gayville</b>	<b>Gayville</b>		<b>SD</b>			
	<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>
	11.00	0.00	0.00	2.00	13	5
<b>Valley Ag-Spink/Elk Point</b>	<b>Elk Point</b>		<b>SD</b>			
	<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	3.00	19	8
<b>Van Diest</b>	<b>Webster City</b>		<b>IA</b>			
	<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
<b>Volga Ag Center</b>	<b>Bruce</b>		<b>SD</b>			
	<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>
	19.00	1.00	0.00	4.00	24	5
<b>Voluntary Purchasing Groups, Inc.</b>	<b>Bonham</b>		<b>TX</b>			
	<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>
	19.00	0.00	0.00	9.00	28	5
<b>West Central-Willmar</b>	<b>Willmar</b>		<b>MN</b>			
	<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	6.00	24	7
<b>Winfield Solutions, LLC-Kansas City</b>	<b>Kansas City</b>		<b>MO</b>			



<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

Yankton Ag Service, Inc.

Yankton

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>
6.00	2.00	0.00	1.00	9	4

<b>Report Totals:</b>	1,172.00	73.00	3.00	283.00	1,531	457
<b>Report Averages:</b>	0.77	0.05	0.00	0.18		

Section A

Sample  
Report

Performed By:



Collected By:  
 Division of Agricultural Services  
 Foss Building 523 E. Capitol  
 Pierre, SD 57501-3182  
 Phone: (605) 773-3724  
 Fax: (605) 773-3481

## 2018 Fertilizer Individual Samples

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
<b>Manufacturer:</b>	<b>ADM Fertilizer - Minneapolis (2)</b>				
<b>Product:</b>	MAP				
<b>Sample No:</b>	18N003116				
	Commercial Value		137	142.23	
	Nitrogen, Total		11	11.46 %	<b>Pass</b>
	Overall Index Value		100	103.82 %	<b>Pass</b>
	Phosphate, Available as P2O5		52	53.93 %	<b>Pass</b>
<b>Manufacturer:</b>	<b>Advanced Prescription Fertiliz</b>				
<b>Product:</b>	20-1-1-3				
<b>Sample No:</b>	18N003535				
	Commercial Value		63	64.97	
	Nitrogen, Total		20	20.42 %	<b>Pass</b>
	Overall Index Value		100	103.13 %	<b>Pass</b>
	Phosphate, Available as P2O5		1	1.12 %	<b>Pass</b>
	Potash, Soluble		1	1.46 %	<b>Pass</b>
	Sulfur		3	3.09 %	<b>Pass</b>
	Zinc, Acid Soluble		0.25	0.29 %	<b>Pass</b>
<b>Product:</b>	24-0-0-4				
<b>Sample No:</b>	18N003533				
	Sulphur		4	24.60 %	<b>Pass</b>
<b>Product:</b>	7-0-0-8				

<b>Sample No:</b>	18N003534	Nitrogen, Total	7	7.90 %	<b>Pass</b>
		Sulfur	8.	8.56 %	<b>Pass</b>

<u>Sample No:</u>	<u>18N003531</u>	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
		Nitrogen, Total	21	21.90 %	Pass
		Sulfur	24	24.77 %	Pass
<b>Product:</b> Potash 0-0-60					
<b>Sample No:</b>	18N003532				
		Potash, Soluble	60	65.29 %	Pass
<b>Product:</b> Urea 46-0-0					
<b>Sample No:</b>	18N003530				
		Nitrogen, Total	46	45.74 %	Pass
<b>Manufacturer:</b> AdvanSix, Inc					
<b>Product:</b> Ammonium Sulfate 21-0-0-24 S					
<b>Sample No:</b>	18N003082				
		Nitrogen, Total	21	20.73 %	Pass
		Sulfur	24	24.03 %	Pass
<b>Manufacturer:</b> Ag First-Aurora					
<b>Product:</b> 10-34-0					
<b>Sample No:</b>	18N003057				
		Commercial Value	98	99.38	
		Nitrogen, Total	10	10.78 %	Pass
		Overall Index Value	100	101.41 %	Pass
		Phosphate, Available as P2O5	34	33.52 %	Pass
<b>Product:</b> 28-0-0					
<b>Sample No:</b>	18N003086				
		Nitrogen, Total	28	29.46 %	Pass
<b>Product:</b> AMS 21-0-0-24					
<b>Sample No:</b>	18N003064				
		Commercial Value	63	65.94	
		Nitrogen, Total	21	21.98 %	Pass
		Overall Index Value	100	104.67 %	Pass
		Sulfur	24	24.54 %	Pass

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
<b>Product:</b>	AMS-21-0-0-24S and Urea 46-0-0				
<b>Sample No:</b>	18N003067				
		Nitrogen, Total	41.76	43.54 %	<b>Pass</b>
		Sulfur	3.902	4.53 %	<b>Pass</b>
<b>Sample No:</b>	18N003068				
		Commercial Value	125.28	137.04	

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Nitrogen, Total	41.76	45.68 %	Pass
Overall Index Value	100	109.39 %	Pass
Sulfur	3.902	4.18 %	Pass

**Product:** Custom Blend

**Sample No:** 18N003085

Commercial Value	114.12	116.99	
Nitrogen, Total	25.36	26.29 %	Pass
Overall Index Value	100	102.52 %	Pass
Phosphate, Available as P2O5	12.68	13.16 %	Pass
Potash, Soluble	12.68	11.81 %	Pass
Sulfur	2.219	3.26 %	Pass
Zinc, Acid Soluble	.021	0.14 %	Pass

**Product:** Custom Fertilizer

**Sample No:** 18N003051

Commercial Value	114.12	116.95	
Nitrogen, Total	25.36	25.28 %	Pass
Overall Index Value	100	102.48 %	Pass
Phosphate, Available as P2O5	12.68	12.12 %	Pass
Potash, Soluble	12.68	16.86 %	Pass
Sulfur	2.219	3.26 %	Pass
Zinc, Acid Soluble	.021	0.17 %	Pass

**Sample No:** 18N003052

Commercial Value	114.12	117.28	
Nitrogen, Total	25.36	25.30 %	Pass
Overall Index Value	100	102.77 %	Pass
Phosphate, Available as P2O5	12.68	12.24 %	Pass
Potash, Soluble	12.68	16.89 %	Pass
Sulfur	2.219	3.32 %	
Zinc, Acid Soluble	.021	0.14 %	Pass

**Sample No:** 18N003053

Commercial Value	112.06	113.21	
Nitrogen, Total	10.9	11.62 %	Pass
Overall Index Value	100	101.02 %	Pass
Phosphate, Available as P2O5	27.84	28.21 %	Pass

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
<b>Sample No:</b>	18N003054	Potash, Soluble	23.68	23.30 %	<b>Pass</b>



<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Commercial Value	112.24	115.49	
Nitrogen, Total	10.9	12.22 %	Pass
Overall Index Value	100	102.90 %	Pass
Phosphate, Available as P2O5	27.84	27.71 %	Pass
Potash, Soluble	23.86	23.42 %	Pass

Sample No: 18N003056

Commercial Value	125.85	126.04	
Nitrogen, Total	41.95	43.51 %	Pass
Overall Index Value	100	100.15 %	Pass
Sulfur	3.648	4.22 %	Pass
Zinc, Acid Soluble	.010	0.10 %	Pass

Product: Custom Fertilizer Blend

Sample No: 18N003060

Commercial Value	114.12	114.69	
Nitrogen, Total	25.36	24.68 %	Pass
Overall Index Value	100	100.50 %	Pass
Phosphate, Available as P2O5	12.68	13.22 %	Pass
Potash, Soluble	12.68	14.21 %	Pass
Sulfur	2.219	2.99 %	Pass
Zinc, Acid Soluble	.021	0.14 %	Pass

Product: Custom Formula

Sample No: 18N003055

Commercial Value	126		
Nitrogen, Total	41.95	43.81 %	Pass
Overall Index Value	100	%	
Sulfur	3.648	3.82 %	Pass
Zinc, Acid Soluble	.010	0.08 %	Pass

Product: DAP 18-46-0

Sample No: 18N003061

Commercial Value	146	150.59 %	Pass
Nitrogen, Total Overall Index Value	18	19.63 %	Pass
Phosphate, Available as P2O5	100	103.14 %	Pass
	46	45.86 %	Pass

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
<b>Product:</b>	Monitoring Well Water				
<b>Sample No:</b>	18N003050	Nitrogen, Total		0.07 %	<b>Pass</b>

<b>Product:</b>		<b>Analyte</b>	<b>Claim</b>	<b>Found Unit</b>	<b>Disposition</b>
<b>Product:</b> Phosphorus 0-0-60 and Potassium					
<b>Sample No:</b>	18N003065				
		Commercial Value	108.69	111.19	
		Nitrogen, Total	10.19	11.05 %	<b>Pass</b>
		Overall Index Value	100	102.30 %	<b>Pass</b>
		Phosphate, Available as P2O5	26.04	25.60 %	<b>Pass</b>
		Potash, Soluble	26.04	26.83 %	<b>Pass</b>
<b>Sample No:</b>	18N003066				
		Commercial Value	108.69	110.83	
		Nitrogen, Total	10.19	11.23 %	<b>Pass</b>
		Overall Index Value	100	101.97 %	<b>Pass</b>
		Phosphate, Available as P2O5	26.04	25.48 %	<b>Pass</b>
		Potash, Soluble	26.04	26.42 %	<b>Pass</b>
<b>Product:</b> Potash 0-0-60					
<b>Sample No:</b>	18N003062				
		Potash, Soluble	60	59.29 %	<b>Pass</b>
<b>Product:</b> Urea 46-0-0					
<b>Sample No:</b>	18N003063				
		Nitrogen, Total	46	46.83 %	<b>Pass</b>
<b>Manufacturer:</b>	<b>Agrium U.S. Inc.-Loveland</b>				
<b>Product:</b>	Phosphate 11-52-0				
<b>Sample No:</b>	18N003586				
		Commercial Value	137	140.37	
		Nitrogen, Total	11	11.72 %	<b>Pass</b>
		Overall Index Value	100	102.46 %	<b>Pass</b>
		Phosphate, Available as P2O5	52	52.61 %	<b>Pass</b>
<b>Manufacturer:</b>	<b>Agrium-S City</b>				
<b>Product:</b>	Potash 0-0-60				
<b>Sample No:</b>	18N003493				

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Potash, Soluble	60				
		59.73 %			
		<b>Pass</b>			

**Manufacturer:** Agroplasma, Inc.  
**Product:** 16-0-0

**Sample No:** 18N005758

Nitrogen, Total	16	17.24 %	<b>Pass</b>
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**Product:** Explacer 10-0-0

**Sample No:** 18N005759

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
		Nitrogen, Total	10	8.35 %	Deficient
<b>Manufacturer:</b>	<b>Agtegra</b>				
<b>Product:</b>	40 Rock 12-40-0-6.5-1				
<b>Sample No:</b>	18N002748				
		Commercial Value	116	118.03	
		Nitrogen, Total	12	12.79 %	Pass
		Overall Index Value	100	101.75 %	Pass
		Phosphate, Available as P2O5	40	39.82 %	Pass
		Sulfur	6.5	6.94 %	Pass
		Zinc, Acid Soluble	1	0.99 %	Pass
<b>Product:</b>	AMS				
<b>Sample No:</b>	18N002655				
		Nitrogen, Total	21	20.57 %	Pass
		Sulfur	24	24.60 %	Pass
<b>Product:</b>	AMS 20.5-00-00-24S				
<b>Sample No:</b>	18N002750				
		Nitrogen, Total	20.5	20.37 %	Pass
		Sulfur	24	24.84 %	Pass
<b>Product:</b>	Custom Fertilizer Blend				
<b>Sample No:</b>	18N002645				
		Boron, Acid Soluble	0.17	0.31 %	Pass
		Commercial Value	97	101.98	
		Nitrogen, Total	8	7.62 %	Pass
		Overall Index Value	100	105.14 %	Pass
		Phosphate, Available as P2O5	27.	26.47 %	Pass
		Potash, Soluble	19.	27.24 %	Pass
		Sulfur	7.	6.11 %	Deficient
		Zinc, Acid Soluble	0.67	0.62 %	Pass
<b>Sample No:</b>	18N002646				
		Commercial Value	128	133.09	
		Nitrogen, Total	36	37.42 %	Pass
		Overall Index Value	100	103.98 %	Pass
		Phosphate, Available as P2O5	10.	11.70 %	Pass
		Sulfur	3.	3.21 %	Pass
<b>Sample No:</b>	18N002755				

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Commercial Value	137.7	137.43	

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
<b>Sample No:</b>	18N002756	Nitrogen, Total	36	35.66 %	Pass
		Overall Index Value	100	99.80 %	Pass
		Phosphate, Available as P2O5	14.85	15.23 %	Pass
		Commercial Value	110.12	113.71	
		Nitrogen, Total	11.65	12.16 %	Pass
		Overall Index Value	100	103.26 %	Pass
		Phosphate, Available as P2O5	33.63	32.43 %	Deficient
		Potash, Soluble	7.91	12.38 %	Pass
		Sulfur	5.32	7.15 %	Pass
		<b>Product:</b> Gypsum			
<b>Sample No:</b>	18N002657				
		Calcium	23	24.78 %	Pass
		Sulfur	18	17.27 %	Pass
<b>Product:</b> MAP					
<b>Sample No:</b>	18N002650				
		Commercial Value	137	137.69	
		Nitrogen, Total	11	11.31 %	Pass
		Overall Index Value	100	100.50 %	Pass
		Phosphate, Available as P2O5	52	51.88 %	Pass
<b>Product:</b> MAP 11-52-00					
<b>Sample No:</b>	18N002749				
		Commercial Value	137	137.59	
		Nitrogen, Total	11	10.95 %	Pass
		Overall Index Value	100	100.43 %	Pass
		Phosphate, Available as P2O5	52	52.37 %	Pass
<b>Product:</b> MESZ					
<b>Sample No:</b>	18N002654				
		Commercial Value	116	114.79	
		Nitrogen, Total Overall	12	11.73 %	Pass
		Index Value	100	98.96 %	Pass
		Phosphate, Available as P2O5 Sulfur	40	39.80 %	Pass
		Zinc, Acid Soluble	10	9.61 %	Pass

Analyte

Claim

Found Unit

Disposition

0.97 %

Pass

Product: Potash

Sample No: 18N002656



		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
<b>Product:</b>	Potash 00-00-60	Potash, Soluble	60	58.75 %	Pass
<b>Sample No:</b>	18N002752	Potash, Soluble	60	60.52 %	Pass
<b>Product:</b>	Urea	Nitrogen, Total	46	45.96 %	Pass
<b>Sample No:</b>	18N002649	Nitrogen, Total	46	46.48 %	Pass
<b>Product:</b>	Urea 46-0-0	Nitrogen, Total	46	46.48 %	Pass
<b>Sample No:</b>	18N002751	Nitrogen, Total	46	46.48 %	Pass
<b>Manufacturer:</b>	Agtegra Cooperative-Aberdeen				
<b>Product:</b>	10-34-0	Commercial Value	98	97.62	
<b>Sample No:</b>	18N003481	Nitrogen, Total	10	10.07 %	Pass
		Overall Index Value	100	99.61 %	Pass
		Phosphate, Available as P2O5	34	33.71 %	Pass
<b>Product:</b>	28-0-0	Nitrogen, Total	28	28.29 %	Pass
<b>Sample No:</b>	18N003478	Nitrogen, Total	28	28.21 %	Pass
<b>Sample No:</b>	18N003482	Nitrogen, Total	28	28.21 %	Pass
<b>Manufacturer:</b>	Agtegra-McLaughlin				
<b>Product:</b>	10-34-0 Liquid Fertilizer	Commercial Value	98	94.91	
<b>Sample No:</b>	18N003377	Nitrogen, Total	10	9.76 %	Pass
		Overall Index Value	100	96.85 %	Deficient
		Phosphate, Available as P2O5	34	32.82 %	Deficient

	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
<b>Product:</b>	11-52-0 MAP			
<b>Sample No:</b>	18N003376			
	Commercial Value	137	136.71	
	Nitrogen, Total	11	10.79 %	<b>Pass</b>
	Overall Index Value	100	99.78 %	<b>Pass</b>
	Phosphate, Available as P2O5	52	52.16 %	<b>Pass</b>
<b>Product:</b>	46-0-0- Urea			

<u>Sample No:</u>	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
18N003375	Nitrogen, Total	46	45.86 %	Pass
<b>Manufacturer: Ategra-Chamberlain</b>				
<b>Product: 10-34-0</b>				
<b>Sample No:</b>				
18N003278	Commercial Value	98	98.52	
	Nitrogen, Total	10	10.68 %	Pass
	Overall Index Value	100	100.53 %	Pass
	Phosphate, Available as P2O5	34	33.24 %	Pass
<b>Product: 28-0-0</b>				
<b>Sample No:</b>				
18N003279	Nitrogen, Total	28	30.16 %	Pass
<b>Product: AMS/21-0-0-24S</b>				
<b>Sample No:</b>				
18N003275	Nitrogen, Total	21	21.15 %	Pass
	Sulfur	24	24.20 %	Pass
<b>Product: MAP 11-52-0</b>				
<b>Sample No:</b>				
18N003277	Commercial Value	137	139.84	
	Nitrogen, Total	11	11.74 %	Pass
	Overall Index Value	100	102.07 %	Pass
	Phosphate, Available as P2O5	52	52.32 %	Pass
<b>Product: Potash 0-0-60</b>				
<b>Sample No:</b>				
18N003280	Potash, Soluble	60	61.34 %	Pass
<b>Product: Urea 46-0-0</b>				
<b>Sample No:</b>				
18N003276	Nitrogen, Total	46	42.06 %	Deficient

	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
<b>Manufacturer: Ategra-Kimball</b>				
<b>Product: 10-34-0</b>				
<b>Sample No:</b>	Overall Index Value			
	Phosphate, Available as P2O5	98	98.25	
		10	10.50 %	<b>Pass</b>
		100	100.26 %	<b>Pass</b>
		34	33.37 %	<b>Pass</b>
<b>Product: 28-0-0</b>				

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
<b>Sample No:</b>	18N003356				
		Nitrogen, Total	28	28.71 %	Pass
<b>Manufacturer:</b>	<b>Bentrei Fertilizer Co.</b>				
<b>Product:</b>	AMS				
<b>Sample No:</b>	18N003191				
		Nitrogen, Total	21	21.25 %	Pass
		Sulfur	24	24.20 %	Pass
<b>Sample No:</b>	18N003258				
		Nitrogen, Total	21	21.64 %	Pass
		Sulfur	24	24.61 %	Pass
<b>Product:</b>	MAP				
<b>Sample No:</b>	18N003625				
		Commercial Value	137	137.86	
		Nitrogen, Total	11	11.32 %	Pass
		Overall Index Value	100	100.63 %	Pass
		Phosphate, Available as P2O5	52	51.95 %	Pass
<b>Product:</b>	Potash				
<b>Sample No:</b>	18N003261				
		Potash, Soluble	60	60.91 %	Pass
<b>Manufacturer:</b>	<b>Castlewood Farmers Elevator</b>				
<b>Product:</b>	Customer Blend Fertilizer				
<b>Sample No:</b>	18N003615				
		Commercial Value (STPB)	124.43	129.04	
		Nitrogen, Total	23.24	25.69 %	Pass
		Overall Index Value (STPB)	100	103.71 %	Pass
		Phosphate, Available as P2O5	23.24	21.87 %	Deficient
		Potash, Soluble (STPB)	9.29	8.23 %	Deficient
<b>Manufacturer:</b>	<b>CBH Coop</b>				
<b>Product:</b>	30-15-7				
<b>Sample No:</b>	18N003331				
		Commercial Value	127	30.34 %	Pass
		Nitrogen,	30		
		Total Overall Index Value	100	103.50 %	Pass
		Phosphate, Available as P2O5	15	15.75 %	Pass
		Potash, Soluble			

<u>Sample No:</u>	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
18N003356	Nitrogen, Total	28	28.71 %	Pass

**Product:** Custom MAP Urea Potash Sulpher

Sample No:	18N003345	Analyte	Claim	Found Unit	Disposition
		Commercial Value	76.82	81.12	
		Nitrogen, Total	8.57	8.91 %	Pass
		Overall Index Value	100	105.60 %	Pass
		Phosphate, Available as P2O5	13.32	13.97 %	Pass
		Potash, Soluble	24.47	26.44 %	Pass
		Sulfur	18.99	18.99 %	Pass
<b>Manufacturer:</b>	<b>Cenex Harvest States</b>				
<b>Product:</b>					

<b>Sample No:</b>	18N003118				
		Nitrogen, Total	46	46.72 %	Pass
<b>Product:</b>	AMS				

<b>Sample No:</b>	18N003115				
		Nitrogen, Total	21	21.46 %	Pass
		Sulfur	24	24.61 %	Pass
<b>Product:</b>	Potash				

<b>Sample No:</b>	18N003117				
		Potash, Soluble	60	58.65 %	Pass
<b>Manufacturer:</b>	<b>Central Farmer-Fremar-Tyndall</b>				
<b>Product:</b>	Custom Blend 33-16-0				

<b>Sample No:</b>	18N003484				
		Commercial Value	131	134.32	
		Nitrogen, Total	33	33.79 %	Pass
		Overall Index Value	100	102.53 %	Pass
		Phosphate, Available as P2O5	16	16.47 %	Pass
<b>Product:</b>	MAP 11-52-0				

<b>Sample No:</b>	18N003464				
		Commercial Value	137	141.12	
		Nitrogen, Total	11	12.53 %	Pass
		Overall Index Value	100	103.01 %	Pass
		Phosphate, Available as P2O5	52	51.77 %	Pass

	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
<b>Product:</b>	Urea 46-0-0			
<b>Sample No:</b>	18N003463			
	Nitrogen, Total	46	45.17 %	<b>Pass</b>
<b>Manufacturer:</b>	Central Farmers Coop-Fremar-			
<b>Product:</b>	Customer Blend (11-52-60)			



Sample No:		Analyte	Claim	Found Unit	Disposition
18N003529		Commercial Value (STPB)	100	122.98	
		Nitrogen, Total	6	9.43 %	Pass
		Overall Index Value (STPB)	100	122.98 %	Pass
		Phosphate, Available as P2O5	26	41.67 %	Pass
		Potash, Soluble (STPB)	30	11.37 %	Deficient
<b>Product:</b> Customer Blend (8-39-15)					
18N003455		Commercial Value (STPB)	117	123.08	
		Nitrogen, Total	8	9.75 %	Pass
		Overall Index Value (STPB)	100	105.20 %	Pass
		Phosphate, Available as P2O5	39	40.60 %	Pass
		Potash, Soluble (STPB)	15	12.63 %	Deficient
<b>Product:</b> MAP 11-52-0					
18N003454		Commercial Value	137	143.39	
		Nitrogen, Total	11	12.08 %	Pass
		Overall Index Value	100	104.66 %	Pass
		Phosphate, Available as P2O5	52	53.58 %	Pass
18N003521		Commercial Value	137	141.37	
		Nitrogen, Total	11	11.66 %	Pass
		Overall Index Value	100	103.19 %	Pass
		Phosphate, Available as P2O5	52	53.20 %	Pass
<b>Product:</b> Potash 0-0-60					
18N003453		Potash, Soluble	60	60.37 %	Pass
18N003526		Potash, Soluble	60	62.09 %	Pass
<b>Manufacturer:</b> Central Farmers Coop-Marion					
<b>Product:</b> 28%					

	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
18N003251	Nitrogen, Total	28	30.10 %	Pass

Sample No:

Manufacturer: Central Farmers Coop-Scotlan  
Product: 10-34-0

Sample No: 18N003552

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Commercial Value	98	92.22	
Nitrogen, Total	10	11.98 %	Pass
Overall Index Value	100	94.11 %	Deficient
Phosphate, Available as P2O5	34	28.14 %	Deficient

**Product:** Customer Blend 33-16-3

**Sample No:** 18N003551

Commercial Value	134	134.92	
Nitrogen, Total	33	32.23 %	Pass
Overall Index Value	100	100.68 %	Pass
Phosphate, Available as P2O5	16	16.21 %	Pass
Potash, Soluble	3	5.81 %	Pass

**Product:** MAP 10-50-0

**Sample No:** 18N003548

Commercial Value	130	137.65	
Nitrogen, Total	10	11.34 %	Pass
Overall Index Value	100	105.88 %	Pass
Phosphate, Available as P2O5	50	51.82 %	Pass

**Product:** Urea 46-0-0

**Sample No:** 18N003549

Nitrogen, Total	46	46.28 %	Pass
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**Manufacturer:** Central Valley Ag Coop-York

**Product:** 10-34-0

**Sample No:** 18N003779

Commercial Value	98	99.10	
Nitrogen, Total	10	10.66 %	Pass
Overall Index Value	100	101.13 %	Pass
Phosphate, Available as P2O5	34	33.56 %	Pass

**Product:** 32-0-0

**Sample No:** 18N003784

Nitrogen, Total	32	32.67 %	Pass
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Analyte

Claim

Found Unit

Disposition

**Manufacturer:** CF Industries - Port Neal

**Product:** 28-0-0

**Sample No:**

**Product:** Urea

**Sample No:** 18N003187

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
		Nitrogen, Total	46	46.30 %	Pass
<b>Sample No:</b>	18N003473				
		Nitrogen, Total	46	44.81 %	Deficient
<b>Sample No:</b>	18N003620				
		Nitrogen, Total	46	45.58 %	Pass
<b>Sample No:</b>	18N003624				
		Nitrogen, Total	46	46.05 %	Pass
<b>Product:</b> Urea 46-0-0					
<b>Sample No:</b>	18N003492				
		Nitrogen, Total	46	46.01 %	Pass
<b>Manufacturer:</b> CF Industries Sales, LLC-Deerf					
<b>Product:</b> Urea 46-0-0					
<b>Sample No:</b>	18N003524				
		Nitrogen, Total	46	46.07 %	Pass
<b>Product:</b> Urea Ammonium Nitrate Solution 28					
<b>Sample No:</b>	18N003490				
		Nitrogen, Total	28	28.41 %	Pass
<b>Manufacturer:</b> CHS White Lake					
<b>Product:</b> 21-0-0-24					
<b>Sample No:</b>	18N002991				
		Nitrogen, Total	21	21.19 %	Pass
		Sulfur	24	24.56 %	Pass
<b>Product:</b> Custom Fertilizer Blend					
<b>Sample No:</b>	18N003071	Commercial Value Nitrogen, Total	126.9	42.59 %	Pass
		Overall Index Value Sulfur	42.3	100.68 %	Pass
		Commercial Value	100	3.70 %	Pass
		Nitrogen, Total Overall	100	130.79 %	Pass
		Index Value	3.6	34.57 %	Pass
		Phosphate, Available as P2O5 Sulfur	130.4	100.30 %	Pass
		Zinc, Acid Soluble	34.6	13.55 %	Pass
<b>Sample No:</b>	18N003072		100	2.40 %	Deficient
				0.42 %	Pass

Analyte

Claim

Found Unit

Disposition

**Product:** MAP 11-52-0

<u>Sample No:</u>		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
<b>Sample No:</b>	18N002992				
		Commercial Value	137	137.34	
		Nitrogen, Total	11	11.36 %	<b>Pass</b>
		Overall Index Value	100	100.25 %	<b>Pass</b>
		Phosphate, Available as P2O5	52	51.63 %	<b>Pass</b>
<b>Product:</b>	Mesz 12-40-010-1				
<b>Sample No:</b>	18N002993				
		Commercial Value	116	115.56	
		Nitrogen, Total	12	12.34 %	<b>Pass</b>
		Overall Index Value	100	99.62 %	<b>Pass</b>
		Phosphate, Available as P2O5	40	39.26 %	<b>Pass</b>
		Sulfur	10	9.54 %	<b>Pass</b>
		Zinc, Acid Soluble	1	1.06 %	<b>Pass</b>
<b>Product:</b>	Potash 0-0-60				
<b>Sample No:</b>	18N002990				
		Potash, Soluble	60	60.07 %	<b>Pass</b>
<b>Product:</b>	Urea 46-0-0				
<b>Sample No:</b>	18N002989				
		Nitrogen, Total	46	45.52 %	<b>Pass</b>
<b>Manufacturer:</b>	<b>CHS-Alton</b>				
<b>Product:</b>	AMS 21-0-0-24				
<b>Sample No:</b>	18N003495				
		Nitrogen, Total	21	21.19 %	<b>Pass</b>
		Sulfur	24	24.76 %	<b>Pass</b>
<b>Manufacturer:</b>	<b>CHS-Corsica</b>				
<b>Product:</b>	Custom Fertilizer Blend				
<b>Sample No:</b>	18N003010				

Sample No: 18N003011

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Commercial Value	96.7	96.50	
Nitrogen, Total	8	8.23 %	Pass
Overall Index Value	100	99.79 %	Pass
Phosphate, Available as P2O5	26.7	27.55 %	Pass
Potash, Soluble	19.3	18.86 %	Pass
Sulfur	6.67	5.71 %	Deficient
Zinc, Acid Soluble	0.6	0.64 %	Pass

Commercial Value	127.4	129.35 %
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		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
		Nitrogen, Total	29.4	29.88 %	Pass
		Overall Index Value	100	101.53 %	Pass
		Phosphate, Available as P2O5	19.6	19.85 %	Pass
		Sulfur	4.89	4.53 %	Pass
		Zinc, Acid Soluble	0.49	0.52 %	Pass
<b>Sample No:</b>	18N003012				
		Nitrogen, Total	40.2	39.90 %	Pass
		Sulfur	5.54	5.88 %	Pass
<b>Sample No:</b>	18N003013				
		Commercial Value	126.3	125.44	
		Nitrogen, Total	35.6	35.58 %	Pass
		Overall Index Value	100	99.32 %	Pass
		Phosphate, Available as P2O5	6.5	6.37 %	Pass
		Potash, Soluble	6.5	7.32 %	Pass
		Zinc, Acid Soluble	0.1	0.16 %	Pass
<b>Sample No:</b>	18N003014				
		Commercial Value	137.6	139.32	
		Nitrogen, Total	32	36.63 %	Pass
		Overall Index Value	100	101.25 %	Pass
		Phosphate, Available as P2O5	20.8	14.72 %	Deficient
<b>Sample No:</b>	18N003015				
		Commercial Value	131.8	132.66	
		Nitrogen, Total	36.2	36.10 %	Pass
		Overall Index Value	100	100.65 %	Pass
		Phosphate, Available as P2O5	11.6	12.17 %	Pass
		Sulfur	2.89	2.19 %	Deficient
		Zinc, Acid Soluble	0.29	0.32 %	Pass
<b>Sample No:</b>	18N003016				
		Commercial Value	114.5	116.72	
		Nitrogen, Total	35.1	36.07 %	Pass
		Overall Index Value	100	101.94 %	Pass
		Potash, Soluble	9.2	8.50 %	Pass
		Sulfur	3.67	3.61 %	Pass
<b>Sample No:</b>	18N003017				
		Commercial Value	126.3	127.04	
		Nitrogen, Total	35.6	36.25 %	Pass

Analyte

Claim

Found Unit

Disposition

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Overall Index Value	100	100.58 %	Pass
Phosphate, Available as P2O5	6.5	5.94 %	Pass
Potash, Soluble	6.5	6.43 %	Pass
Sulfur	1.62	1.11 %	Deficient
Zinc, Acid Soluble	0.1	0.16 %	Pass

**Product:** Urea 46-0-0

**Sample No:** 18N002994

Nitrogen, Total 46 46.07 % Pass

**Manufacturer:** CHS-Elkton

**Product:** Custom Fertilizer Blend

**Sample No:** 18N003185

Commercial Value	118	124.24	
Nitrogen, Total	30	32.15 %	Pass
Overall Index Value	100	105.29 %	Pass
Phosphate, Available as P2O5	8	8.08 %	Pass
Potash, Soluble	12	11.64 %	Pass
Sulfur	2	1.76 %	Pass
Zinc, Acid Soluble	0.2	0.22 %	Pass

**Product:** Customer Blend Fertilizer

**Sample No:** 18N003178

Commercial Value (STPB)	116.78	135.96	
Nitrogen, Total	34.78	44.95 %	Pass
Overall Index Value (STPB)	100	116.42 %	
Potash, Soluble (STPB)	12.44	1.10 %	Deficient
Sulfur	1.62	1.70 %	Pass

**Sample No:** 18N003181

Commercial Value (STPB)	116.78	134.20	
Nitrogen, Total	34.78	44.45 %	Pass
Overall Index Value (STPB)	100	114.92 %	
Potash, Soluble (STPB)	12.44	0.84 %	Deficient
Sulfur	1.62	2.18 %	Pass

**Sample No:** 18N003182

Nitrogen, Total	44	44.59 %	Pass
Sulfur	1.92	1.72 %	Pass

**Sample No:** 18N003183

Nitrogen, Total 44 45.15 % Pass

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
<b>Sample No:</b>	18N003184	Sulfur	1.92	1.92 %	<b>Pass</b>
		Commercial Value	118	122.67	
		Nitrogen, Total	30	31.75 %	<b>Pass</b>
		Overall Index Value	100	103.95 %	<b>Pass</b>
		Phosphate, Available as P2O5	8	7.83 %	<b>Pass</b>
		Potash, Soluble	12	11.77 %	<b>Pass</b>
		Sulfur	2	1.77 %	<b>Pass</b>
		Zinc, Acid Soluble	0.2	0.21 %	<b>Pass</b>
<b>Manufacturer: CHS-Inver Grove Heights</b>					
<b>Product:</b>					
<b>Sample No:</b>	18N003081				
		Nitrogen, Total	46	46.62 %	<b>Pass</b>
<b>Product: DAP 18-46-0</b>					
<b>Sample No:</b>	18N003070				
		Commercial Value	146	152.63	
		Nitrogen, Total	18	19.91 %	<b>Pass</b>
		Overall Index Value	100	104.54 %	<b>Pass</b>
		Phosphate, Available as P2O5	46	46.45 %	<b>Pass</b>
<b>Manufacturer: CHS-St. Paul</b>					
<b>Product: 10-34-0</b>					
<b>Sample No:</b>	18N003202				
		Commercial Value	98	97.47	
		Nitrogen, Total	10	11.01 %	<b>Pass</b>
		Overall Index Value	100	99.46 %	<b>Pass</b>
		Phosphate, Available as P2O5	34	32.23 %	<b>Deficient</b>
<b>Product: MAP</b>					
<b>Sample No:</b>	18N003200				
		Commercial Value	137	139.84	
		Nitrogen, Total	11	11.80 %	<b>Pass</b>
		Overall Index Value	100	102.07 %	<b>Pass</b>
		Phosphate, Available as P2O5	52	52.22 %	<b>Pass</b>
<b>Product: Urea</b>					
<b>Sample No:</b>	18N003198				

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Nitrogen, total	46	46.72 %	Pass

**Product:** Urea 46-0-0

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Sample No:	18N003321	Nitrogen, Total	46		
				47.42 %	Pass
Sample No:	18N003324	Nitrogen, Total	46		
				45.31 %	Pass
Sample No:	18N003325	Nitrogen, Total	46		
				45.27 %	Pass
<b>Manufacturer: CHS-Watertown</b>					
<b>Product: 10-34-0</b>					
Sample No:	18N003601				
		Commercial Value	98	99.92	
		Nitrogen, Total	10	10.71 %	Pass
		Overall Index Value	100	101.96 %	Pass
		Phosphate, Available as P2O5	34	33.90 %	Pass
<b>Product: 28%</b>					
Sample No:	18N003604				
		Nitrogen, Total	28	27.65 %	Pass
Sample No:	18N003616				
		Nitrogen, Total	28	28.55 %	Pass
<b>Product: AMS</b>					
Sample No:	18N003121				
		Nitrogen, Total	21	22.75 %	Pass
		Sulfur	24	24.35 %	Pass
Sample No:	18N003129				
		Nitrogen, Total	21	22.04 %	Pass
		Sulfur	24	24.10 %	Pass
Sample No:	18N003476				
		Nitrogen, Total	21	20.60 %	Pass
		Sulfur	24	24.46 %	Pass
Sample No:	18N003600				
		Nitrogen, Total	21	21.07 %	Pass
		Sulfur	24	24.48 %	Pass
Sample No:	18N003608				
		Nitrogen, Total	21	20.87 %	Pass
		Sulfur	24	24.24 %	Pass
Sample No:	18N003614				

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Nitrogen, Total	21	21.33 %	Pass

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
		Sulfur	24	23.76 %	Pass
<b>Product: MAP</b>					
<b>Sample No:</b>	18N003122				
		Commercial Value	137	140.57	
		Nitrogen, Total	11	11.66 %	Pass
		Overall Index Value	100	102.61 %	Pass
		Phosphate, Available as P2O5	52	52.80 %	Pass
<b>Sample No:</b>	18N003130				
		Commercial Value	137	143.79	
		Nitrogen, Total	11	12.49 %	Pass
		Overall Index Value	100	104.96 %	Pass
		Phosphate, Available as P2O5	52	53.16 %	Pass
<b>Sample No:</b>	18N003475				
		Commercial Value	137	137.24	
		Nitrogen, Total	11	11.14 %	Pass
		Overall Index Value	100	100.17 %	Pass
		Phosphate, Available as P2O5	52	51.90 %	Pass
<b>Sample No:</b>	18N003591				
		Commercial Value	137	138.97	
		Nitrogen, Total	11	11.25 %	Pass
		Overall Index Value	100	101.44 %	Pass
		Phosphate, Available as P2O5	52	52.61 %	Pass
<b>Sample No:</b>	18N003595				
		Commercial Value	137	139.41	
		Nitrogen, Total	11	11.69 %	Pass
		Overall Index Value	100	101.76 %	Pass
		Phosphate, Available as P2O5	52	52.17 %	Pass
<b>Sample No:</b>	18N003599				
		Commercial Value	137	137.20	
		Nitrogen, Total	11	11.11 %	Pass
		Overall Index Value	100	100.15 %	Pass
		Phosphate, Available as P2O5	52	51.94 %	Pass
<b>Sample No:</b>	18N003607				
		Commercial Value	137	142.27	
		Nitrogen, Total	11	12.55 %	Pass
		Overall Index Value	100	103.85 %	Pass



Analyte

Claim

Found Unit

Disposition

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
<b>Sample No:</b>	18N003613	Phosphate, Available as P2O5	52	52.31 %	Pass
		Commercial Value	137	138.62	
		Nitrogen, Total	11	11.80 %	Pass
		Overall Index Value	100	101.18 %	Pass
		Phosphate, Available as P2O5	52	51.61 %	Pass
<b>Product:</b>	MAP 11-52-0				

<b>Sample No:</b>	18N003494				
		Commercial Value	137	139.38	
		Nitrogen, Total	11	11.79 %	Pass
		Overall Index Value	100	101.74 %	Pass
		Phosphate, Available as P2O5	52	52.01 %	Pass

<b>Product:</b>	Potash				
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<b>Sample No:</b>	18N003123				
		Potash, Soluble	60	61.39 %	Pass
<b>Sample No:</b>	18N003131				
		Potash, Soluble	60	59.74 %	Pass
<b>Sample No:</b>	18N003474				
		Potash, Soluble	60	61.72 %	Pass
<b>Sample No:</b>	18N003594				
		Potash, Soluble	60	60.21 %	Pass
<b>Sample No:</b>	18N003598				
		Potash, Soluble	60	62.32 %	Pass
<b>Sample No:</b>	18N003606				
		Potash, Soluble	60	61.60 %	Pass
<b>Sample No:</b>	18N003612				
		Potash, Soluble	60	59.13 %	Pass

<b>Product:</b>	Urea				
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<b>Sample No:</b>	18N003124	Nitrogen, Total	46	46.76 %	Pass
<b>Sample No:</b>	18N003132	Nitrogen, Total	46	46.88 %	Pass
<b>Sample No:</b>	18N003589	Nitrogen, Total	46	45.92 %	Pass
<b>Sample No:</b>	18N003593	Nitrogen, Total	46	46.01 %	Pass

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Sample No:	18N003597	Nitrogen, Total	46		
				51.34 %	Pass
Sample No:	18N003605	Nitrogen, Total	46		
				50.13 %	Pass
Sample No:	18N003611	Nitrogen, Total	46		
				45.73 %	Pass
<b>Manufacturer: CHS-Watertown 710</b>					
Product:	10-34-0				
Sample No:	18N003119				
		Commercial Value	68	67.63	
		Nitrogen, Total	10	10.44 %	Pass
		Overall Index Value	100	99.46 %	Pass
		Phosphate, Available as P2O5	34	33.82 %	Pass
<b>Manufacturer: CHS-Winona</b>					
Product:	MAP				
Sample No:	18N003623				
		Commercial Value	137	140.26	
		Nitrogen, Total	11	11.84 %	Pass
		Overall Index Value	100	102.38 %	Pass
		Phosphate, Available as P2O5	52	52.36 %	Pass
<b>Manufacturer: Cone Ag-Pierre</b>					
Product:	Nitrogen 27-0-0-1				
Sample No:	18N003585				
		Nitrogen, Total	27	24.62 %	Deficient
		Sulfur	1	1.11 %	Pass
<b>Manufacturer: Country Pride Coop-Fairfax</b>					
Product:	Custom Fertilizer Blend				
Sample No:	18N003087				
		Boron, Acid Soluble	0.30	0.44 %	Pass
		Commercial Value	100.93	91.41	
		Nitrogen, Total	6.80	6.33 %	Pass
		Overall Index Value	100	90.56 %	Deficient
		Phosphate, Available as P2O5	32.14	26.25 %	Deficient
		Potash, Soluble	16.25	19.81 %	Pass
		Sulfur	8.10	9.90 %	Pass
Sample No:	18N003088				

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
		Commercial Value	131.72	133.12	
		Nitrogen, Total	35.34	35.48 %	Pass
		Overall Index Value	100	101.07 %	Pass
		Phosphate, Available as P2O5	12.85.	13.34 %	Pass
		Sulfur	1.93	2.47 %	Pass
<b>Sample No:</b>	18N003089				
		Commercial Value	126.24	125.95	
		Nitrogen, Total	30.68	31.02 %	Pass
		Overall Index Value	100	99.77 %	Pass
		Phosphate, Available as P2O5	17.10	16.45 %	Pass
		Sulfur	2.74	4.87 %	Pass
		Zinc, Acid Soluble	0.69	0.97 %	Pass
<b>Sample No:</b>	18N003090				
		Commercial Value	125.52	128.32	
		Nitrogen, Total	25.08	25.80 %	Pass
		Overall Index Value	100	102.23 %	Pass
		Phosphate, Available as P2O5	25.14	25.45 %	Pass
		Sulfur	2.87	4.27 %	Pass
		Zinc, Acid Soluble	0.73	0.77 %	Pass
<b>Sample No:</b>	18N003091				
		Commercial Value	125.52	125.01	
		Nitrogen, Total	25.08	25.56 %	Pass
		Overall Index Value	100	99.59 %	Pass
		Phosphate, Available as P2O5	25.14	24.62 %	Pass
		Sulfur	2.87	5.01 %	Pass
		Zinc, Acid Soluble	0.73	0.79 %	Pass
<b>Sample No:</b>	18N003092				
		Commercial Value (STPB)	125	118.81	
		Nitrogen, Total	29	28.24 %	Pass
		Overall Index Value	100	0.00 %	Deficient
		Phosphate, Available as P2O5	19	17.05 %	Deficient
		Sulfur	3.8	7.12 %	Pass
		Zinc, Acid Soluble	0.5	0.78 %	Pass
<b>Sample No:</b>	18N003093				
		Boron, Acid Soluble	0.2.	0.18 %	Pass
		Commercial Value	112	105.51	

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Nitrogen, Total	23	20.44 %	Deficient
Overall Index Value	100	94.21 %	Deficient
Phosphate, Available as P2O5	16.	15.75 %	Pass
Potash, Soluble	11.	12.68 %	Pass
Sulfur	2.7.	5.02 %	Pass
Zinc, Acid Soluble	0.6	0.89 %	Pass
Boron, Acid Soluble	0.4	0.55 %	Pass
Commercial Value	120	120.55	
Nitrogen, Total	10	11.48 %	Pass
Overall Index Value	100	100.46 %	Pass
Phosphate, Available as P2O5	45	43.05 %	Deficient
Sulfur	9.77	10.89 %	Pass

Sample No: 18N003094

**Manufacturer: Country Pride Coop-Freeman**  
**Product: Custom Fertilizer Blend**

Sample No: 18N003431

Commercial Value	120	122.53	
Nitrogen, Total	29	29.83 %	Pass
Overall Index Value	100	102.11 %	Pass
Phosphate, Available as P2O5	12	12.08 %	Pass
Potash, Soluble	9	8.89 %	Pass
Sulfur	2.3	2.79 %	Pass

Sample No: 18N003432

Commercial Value	120	122.98	
Nitrogen, Total	29	29.27 %	Pass
Overall Index Value	100	102.49 %	Pass
Phosphate, Available as P2O5	12	13.05 %	Pass
Potash, Soluble	9	9.07 %	Pass
Sulfur	2.4	2.52 %	Pass

Sample No: 18N003433

Commercial Value	96	98.21	
Nitrogen, Total	11	10.80 %	Pass
Overall Index Value	100	102.31 %	Pass
Phosphate, Available as P2O5	19	18.79 %	Pass
Potash, Soluble	25	28.23 %	Pass
Sulfur	3.8	3.78 %	Pass

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
<b>Manufacturer: Country Pride Coop-Menno</b>					
<b>Product:</b>					
<b>Sample No:</b>	18N003547				
Cancel Sample					
<b>Product:</b> AMS 21-0-0-24					
<b>Sample No:</b>	18N003537				
		Nitrogen, Total	21	20.92 %	Pass
		Sulfur	24	23.81 %	Pass
<b>Product:</b> Customer Blend 43-0-0-3					
<b>Sample No:</b>	18N003539				
		Nitrogen, Total	43	43.65 %	Pass
		Sulfur	3	3.07 %	Pass
<b>Product:</b> Urea 46-0-0					
<b>Sample No:</b>	18N003538				
		Nitrogen, Total	46	45.61 %	Pass
<b>Manufacturer: Country Pride Coop-Winner</b>					
<b>Product:</b> AMS-21-0-0-24S					
<b>Sample No:</b>	18N003207				
		Nitrogen, Total	21	21.93 %	Pass
		Sulfur	24	24.78 %	Pass
<b>Product:</b> Custom Fertilizer Blend					
<b>Sample No:</b>	18N003204	Commercial Value Nitrogen,	126	27.68	
		Total Overall Index Value	22	21.55 %	Pass
		Phosphate,Available as P2O5	100	101.33 %	Pass
		Sulfur	30	31.52 %	Pass
		Zinc, Acid Soluble	2.3	5.21 %	Pass
		Commercial Value Nitrogen,	1	1.04 %	Pass
		Total Overall Index Value	111	121.72 %	Pass
		Phosphate,Available as P2O5	14.3	14.62 %	Pass
		Sulfur	100	109.00 %	Pass
<b>Sample No:</b>	18N003210		33.8	38.93 %	Pass
			8.40	8.45 %	Pass

Analyte

Claim

Found Unit

Disposition

**Product:** ESN 44-00-00

**Sample No:** 18N003206

	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
<b>Product:</b> MAP 11-52-0	Nitrogen, Total	44	45.91 %	Pass
<b>Sample No:</b> 18N003208	Commercial Value	137	139.60	
	Nitrogen, Total	11	11.62 %	Pass
	Overall Index Value	100	101.90 %	Pass
	Phosphate, Available as P2O5	52	52.37 %	Pass
<b>Product:</b> Potash 0-0-60				
<b>Sample No:</b> 18N003205	Potash, Soluble	60	61.03 %	Pass
<b>Product:</b> Urea 46-0-0				
<b>Sample No:</b> 18N003209	Nitrogen, Total	46	45.86 %	Pass
<b>Manufacturer:</b> Country Pride-Wagner				
<b>Product:</b> 0-0-60				
<b>Sample No:</b> 18N003425	Potash, Soluble	60	60.79 %	Pass
<b>Product:</b> 28-0-0				
<b>Sample No:</b> 18N003397	Nitrogen, Total	28	27.88 %	Pass
<b>Product:</b> 40 Rock (12-40-0-6.5-1)				
<b>Sample No:</b> 18N009041	Commercial Value	116	116.90	
	Nitrogen, Total	12	12.60 %	Pass
	Overall Index Value	100	100.78 %	Pass
	Phosphate, Available as P2O5	40	39.55 %	Pass
	Sulfur	6.5	6.72 %	Pass
	Zinc, Acid Soluble	1	1.09 %	Pass
<b>Product:</b>				



40 Rock            12-40-0-6-1  
**Sample No:**        18N003428

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Commercial Value	116	117.49	
Nitrogen, Total	12	12.85 %	<b>Pass</b>
Overall Index Value	100	101.28 %	<b>Pass</b>
Phosphate, Available as P2O5	40	39.47 %	<b>Pass</b>
Sulfur	6.5	6.99 %	<b>Pass</b>
Zinc, Acid Soluble	1	0.98 %	<b>Pass</b>

<b>Product:</b>		<b>Analyte</b>	<b>Claim</b>	<b>Found Unit</b>	<b>Disposition</b>
<b>AMS (21-0-0-24)</b>					
<b>Sample No:</b>	18N009021				
		Nitrogen, Total	21	21.40 %	<b>Pass</b>
		Sulfur	24	23.80 %	<b>Pass</b>
<b>AMS 21-0-0-24</b>					
<b>Sample No:</b>	18N003403				
		Nitrogen, Total	21	21.78 %	<b>Pass</b>
		Sulfur	24	23.94 %	<b>Pass</b>
<b>ENS (44-0-0)</b>					
<b>Sample No:</b>	18N009044				
		Nitrogen, Total	44	45.55 %	<b>Pass</b>
<b>ESN 44-0-0</b>					
<b>Sample No:</b>	18N003429				
		Commercial Value	132	136.66	
		Nitrogen, Total	44	45.55 %	<b>Pass</b>
		Overall Index Value	100	103.53 %	<b>Pass</b>
<b>MAP (11-52-0)</b>					
<b>Sample No:</b>	18N009040				
		Commercial Value	137	137.19	
		Nitrogen, Total	11	12.70 %	<b>Pass</b>
		Overall Index Value	100	100.14 %	<b>Pass</b>
		Phosphate, Available as P2O5	52	49.55 %	<b>Deficient</b>
<b>MAP 11-52-0</b>					
<b>Sample No:</b>	18N003427				
		Commercial Value	137	139.98	
		Nitrogen, Total	11	12.21 %	<b>Pass</b>
		Overall Index Value (STPB)	100	102.17 %	<b>Pass</b>
		Phosphate, Available as P2O5	52	51.68 %	<b>Pass</b>

	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
<b>Product:</b>	Martin Ezac 23-28-0-4.3			
<b>Sample No:</b>	18N003430			
	Commercial Value	125	129.27	
	Nitrogen, Total	23	24.60 %	<b>Pass</b>
	Overall Index Value	100	103.42 %	<b>Pass</b>
	Phosphate, Available as P2O5	28	27.73 %	<b>Pass</b>
	Sulfur	4.3	5.90 %	<b>Pass</b>
<b>Product:</b>	Potash (0-0-60)			

<u>Sample No:</u>	<u>18N009042</u>	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
		Potash, Soluble	60	60.92 %	Pass
<b>Product:</b>	Quick Start 8-20-5-5-.5				
<b>Sample No:</b>	18N003400				
		Commercial Value	69	71.42	
		Nitrogen, Total	8	9.17 %	Pass
		Overall Index Value	100	103.50 %	Pass
		Phosphate, Available as P2O5	20	19.38 %	Pass
		Potash, Soluble	5	5.15 %	Pass
		Sulfur	5.	5.51 %	Pass
		Zinc, Acid Soluble	0.5	0.51 %	Pass
<b>Product:</b>	Urea (46-0-0)				
<b>Sample No:</b>	18N009043				
		Nitrogen, Total	46	46.27 %	Pass
<b>Product:</b>	Urea 46-0-0				
<b>Sample No:</b>	18N003406				
		Nitrogen, Total	46	46.26 %	Pass
<b>Manufacturer:</b>	Crop Production Services / Me				
<b>Product:</b>	28-0-0				
<b>Sample No:</b>	18N003472				
		Nitrogen, Total	28	31.44 %	Pass
<b>Manufacturer:</b>	Crop Production Services-Cen				
<b>Product:</b>	10-34-0				
<b>Sample No:</b>	18N003379				
		Commercial Value	98	96.09	
		Nitrogen, Total	10	10.61 %	Pass
		Overall Index Value	100	98.05 %	Pass
		Phosphate, Available as P2O5	34	32.13 %	Deficient
<b>Product:</b>	32-0-0				
<b>Sample No:</b>	18N003378				
		Nitrogen, Total	32	31.83 %	Pass

	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
<b>Manufacturer:</b>	<b>Dakota Fertilizer-Canton</b>			
<b>Product:</b>	Blend 11-30-20			

**Sample No:** 18N003404

Commercial Value	113	118.48	
Nitrogen, Total	11	13.55 %	<b>Pass</b>

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Overall Index Value	100	104.85 %	Pass
Phosphate, Available as P2O5	30	27.93 %	Deficient
Potash, Soluble	20	21.98 %	Pass

**Manufacturer:** Dakota Gasification Company  
**Product:** AMS

**Sample No:** 18N003596

Nitrogen, Total	21	20.40 %	Pass
Sulfur	24	23.90 %	Pass

**Manufacturer:** Dakota Mill & Grain  
**Product:** 10-34-0

**Sample No:** 18N003362

Commercial Value	98	98.68	
Nitrogen, Total	10	10.18 %	Pass
Overall Index Value	100	100.69 %	Pass
Phosphate, Available as P2O5	34	34.07 %	Pass

**Product:** 28-0-0

**Sample No:** 18N003361

Nitrogen, Total	28	28.36 %	Pass
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**Product:** MAP 11-52-0

**Sample No:** 18N003360

Commercial Value	137	137.12	
Nitrogen, Total	11	10.69 %	Pass
Overall Index Value	100	100.09 %	Pass
Phosphate, Available as P2O5	52	52.53 %	Pass

**Product:** Urea 46-0-0

**Sample No:** 18N003359

Nitrogen, Total	46	45.75 %	Pass
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Analyte

Claim

Found Unit

Disposition

**Manufacturer:** Deuel County Farmers Oil Unio  
**Product:** AMS

**Sample** 18N003111

**No:**

Commercial Value	63	65.32	
Nitrogen, Total	21	21.77 %	<b>Pass</b>
Overall Index Value	100	103.68 %	<b>Pass</b>
Sulfur	24	24.21 %	<b>Pass</b>

**Product:** Custom Blend Fertilizer

**Sample No:** 18N003109

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Commercial Value	115.2	116.36	
Nitrogen, Total	24.7	24.51 %	Pass
Overall Index Value	100	101.01 %	Pass
Phosphate, Available as P2O5	15.4	15.94 %	Pass
Potash, Soluble	10.3	10.93 %	Pass
Sulfur	3.0	4.49 %	Pass

**Product:** Custom Fertilizer Blend

**Sample No:** 18N003106

Commercial Value	106.1	105.43	
Nitrogen, Total	21.5	21.73 %	Pass
Overall Index Value	100	99.36 %	Pass
Phosphate, Available as P2O5	13.8	13.45 %	Pass
Potash, Soluble	14.	13.36 %	Pass
Sulfur	3.6	4.93 %	Pass
Zinc, Acid Soluble	0.9	1.15 %	Pass

**Sample No:** 18N003107

Commercial Value	109.2	113.08	
Nitrogen, Total	23.2	24.27 %	Pass
Overall Index Value	100	103.55 %	Pass
Phosphate, Available as P2O5	13.2	13.61 %	Pass
Potash, Soluble	13.2	13.04 %	Pass
Sulfur	3.3	3.91 %	Pass
Zinc, Acid Soluble	0.5	0.59 %	Pass

**Product:** Liquid Fertilizer 28-0-0

**Sample No:** 18N003114

Nitrogen, Total	28	29.11 %	Pass
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**Product:** Liquid Fertilizer 7-23-3

**Sample No:** 18N003113

Commercial Value	70	72.82	
Nitrogen, Total	7	7.71 %	Pass
Overall Index Value	100	104.02 %	Pass
Phosphate, Available as P2O5	23	23.16 %	Pass
Potash, Soluble	3	3.37 %	Pass

**Product:** MAP



<b>Sample No:</b>		<b><u>Analyte</u></b>	<b><u>Claim</u></b>	<b><u>Found Unit</u></b>	<b><u>Disposition</u></b>
18N003110		Commercial Value	137	137.63	

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Nitrogen, Total	11	11.44 %	Pass
Overall Index Value	100	100.46 %	Pass
Phosphate, Available as P2O5	52	51.65 %	Pass

**Product:** Potash

**Sample No:** 18N003108

Potash, Soluble	60	60.40 %	Pass
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**Product:** Urea

**Sample No:** 18N003112

Nitrogen, Total	46	47.70 %	Pass
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**Manufacturer:** Domestic Fertilizer, Inc.

**Product:** Fruit Tree Stakes

**Sample No:** 18N000944

Nitrogen, Total	8	13.59 %	Pass
Overall Index Value	100	%	

**Manufacturer:** Easy Gardener Inc

**Product:** Fruit Spikes

**Sample No:** 18N010153

Commercial Value	57	75.39 %	
Nitrogen, Total	8	12.28 %	Pass
Overall Index Value	100	132.27 %	Pass
Phosphate, Available as P2O5	11	12.70 %	Pass
Potash, Soluble	11	13.17 %	Pass

**Product:** Jobes Organics All-Purpose Granul

**Sample No:** 18N010164

Commercial Value	24	25.20 %	
Nitrogen, Total	4	4.43 %	Pass
Overall Index Value	100	105.02 %	Pass
Phosphate, Available as P2O5	4	3.48 %	Pass
Potash, Soluble	4	4.94 %	Pass

**Product:** Jobes Organics Fertilizer

**Sample No:** 18N010160

Commercial Value	24	48.67 %	
Nitrogen, Total	2	3.71 %	Pass
Overall Index Value	100	202.79 %	Pass

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Phosphate, Available as P2O5	7	14.90 %	Pass
Potash, Soluble	4	7.73 %	Pass

<b>Product:</b>	<b>Analyte</b>	<b>Claim</b>	<b>Found Unit</b>	<b>Disposition</b>
<b>Jobs Organics Rose &amp; Flower gra</b>				
<b>Sample No:</b>	18N010165			
	Commercial Value	20	25.04 %	
	Nitrogen, Total	3	4.17 %	<b>Pass</b>
	Overall Index Value	100	125.19 %	<b>Pass</b>
	Phosphate, Available as P2O5	4	3.56 %	<b>Pass</b>
	Potash, Soluble	3	5.42 %	<b>Pass</b>
<b>Jobs Spikes</b>				
<b>Sample No:</b>	18N003028			
	Commercial Value	60	66.43	
	Nitrogen, Total	16	17.22 %	<b>Pass</b>
	Overall Index Value	100	110.72 %	<b>Pass</b>
	Phosphate, Available as P2O5	4	4.83 %	<b>Pass</b>
	Potash, Soluble	4	5.10 %	<b>Pass</b>
<b>Jobs Tomato Fertilizer Spikes</b>				
<b>Sample No:</b>	18N010158			
	Commercial Value	60	74.51 %	
	Nitrogen, Total	6	8.57 %	<b>Pass</b>
	Overall Index Value	100	124.18 %	<b>Pass</b>
	Phosphate, Available as P2O5	18	19.12 %	<b>Pass</b>
	Potash, Soluble	6	10.55 %	<b>Pass</b>
<b>Eau Claire Coop</b>				
<b>Product:</b>	Max Lawn Crabgrass Preventer 22-			
<b>Sample No:</b>	18N003385			
	Commercial Value	70	71.21	
	Iron	1	1.03 %	<b>Pass</b>
	Nitrogen, Total	22	22.41 %	<b>Pass</b>
	Overall Index Value	100	101.72 %	
	Potash, Soluble	4	3.96 %	<b>Pass</b>
<b>Max Lawn Food</b>				

<b>Sample No:</b>		<b><u>Analyte</u></b>	<b><u>Claim</u></b>	<b><u>Found Unit</u></b>	<b><u>Disposition</u></b>
	18N003024				
		Commercial Value	82	82.36	
		Iron	1	1.11 %	<b>Pass</b>
		Nitrogen, Total	26	26.11 %	<b>Pass</b>
		Overall Index Value	100	100.45 %	
		Potash, Soluble	4	4.03 %	<b>Pass</b>

<b>Product:</b>		<b>Analyte</b>	<b>Claim</b>	<b>Found Unit</b>	<b>Disposition</b>
<b>Product:</b>	Max Lawn Lawn Food 26-0-4				
<b>Sample No:</b>	18N003387				
		Commercial Value	82	80.82	
		Iron	1	1.08 %	<b>Pass</b>
		Nitrogen, Total	26	25.47 %	<b>Pass</b>
		Overall Index Value	100	98.56 %	<b>Pass</b>
		Potash, Soluble	4	4.42 %	<b>Pass</b>
<b>Product:</b>	Max Lawn premium fert				
<b>Sample No:</b>	18N003023				
		Commercial Value	60	66.95	
		Nitrogen, Total	10	11.36 %	<b>Pass</b>
		Overall Index Value	100	111.58 %	<b>Pass</b>
		Phosphate, Available as P2O5	10	11.13 %	<b>Pass</b>
		Potash, Soluble	10	10.63 %	<b>Pass</b>
<b>Product:</b>	Max Lawn Premium Fertilizer				
<b>Sample No:</b>	18N000744				
		Commercial Value	60	60.38	
		Nitrogen, Total	10	10.10 %	<b>Pass</b>
		Overall Index Value	100	100.64 %	<b>Pass</b>
		Phosphate, Available as P2O5	10	9.72 %	<b>Pass</b>
		Potash, Soluble	10	10.65 %	<b>Pass</b>
<b>Product:</b>	Max Lawn Weed and Feed 24-0-4				
<b>Sample No:</b>	18N003389				
		Commercial Value	76	80.73	
		Iron	1	0.96 %	<b>Pass</b>
		Nitrogen, Total	24	25.48 %	<b>Pass</b>
		Overall Index Value	100	106.23 %	<b>Pass</b>
		Potash, Soluble	4	4.29 %	<b>Pass</b>
<b>Product:</b>	Max Lawn Weed Feed				

<b>Sample No:</b>	<b>18N000943</b>	<b><u>Analyte</u></b>	<b><u>Claim</u></b>	<b><u>Found Unit</u></b>	<b><u>Disposition</u></b>
		Overall Index Value Potash, Soluble <sup>24</sup>	10	23.46 %	<b>Pass</b>
		Overall Index Value Potash, Soluble	4		

**Product:** MaxLawn All Purpose Fertilizer 10-1

<u>Sample No:</u>	<u>18N003407</u>	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
		Commercial Value	60	60.52	
		Nitrogen, Total	10	10.38 %	Pass
		Overall Index Value	100	100.87 %	Pass
		Phosphate, Available as P2O5	10	9.80 %	Pass
		Potash, Soluble	10	9.77 %	Pass
<b>Product:</b>	Maxlawn Lawn Food 26-0-4				
<b>Sample No:</b>	18N003426				
		Commercial Value	82	86.49	
		Iron	1	0.95 %	Pass
		Nitrogen, Total	26	27.35 %	Pass
		Overall Index Value	100	105.48 %	
		Potash, Soluble	4	4.43 %	Pass
<b>Product:</b>	MaxLawn Starter Fertilizer				
<b>Sample No:</b>	18N003047				
		Commercial Value	90	88.88	
		Nitrogen, Total	12	11.61 %	Pass
		Overall Index Value	100	98.75 %	Pass
		Phosphate, Available as P2O5	24	23.52 %	Pass
		Potash, Soluble	6	7.02 %	Pass
<b>Product:</b>	MaxLawn Weed and Feed				
<b>Sample No:</b>	18N003020				
		Commercial Value	76	69.66	
		Iron	1.	1.10 %	Pass
		Nitrogen, Total	24.	21.90 %	Deficient
		Overall Index Value	100	91.66 %	Deficient
		Potash, Soluble	4.	3.97 %	Pass
<b>Sample No:</b>	18N003021				
		Commercial Value	76	77.82	
		Iron	1.	0.94 %	Pass
		Nitrogen, Total	24.	24.61 %	Pass
		Overall Index Value	100	102.40 %	
		Potash, Soluble	4.	4.00 %	Pass
<b>Sample No:</b>	18N003048				
		Commercial Value	76	84.58	
		Iron	1	1.40 %	Pass



<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Nitrogen, Total	24	26.93 %	Pass
Overall Index Value	100	111.29 %	
Potash, Soluble	4	3.79 %	Pass

**Manufacturer: Espoma Company**

**Product: Espoma Garden Food**

**Sample No: 18N010162**

Commercial Value	60	66.19 %	
Nitrogen, Total	10	11.06 %	Pass
Overall Index Value	100	110.30 %	
Phosphate, Available as P2O5	10	10.78 %	Pass
Potash, Soluble	10	11.46 %	Pass

**Manufacturer: Estelline Community Oil**

**Product: 28-0-0**

**Sample No: 18N003137**

Nitrogen, Total	28	28.08 %	Pass
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**Product: 6-24-6**

**Sample No: 18N003135**

Commercial Value	72	74.28	
Nitrogen, Total	6	6.32 %	Pass
Overall Index Value	100	103.16 %	Pass
Phosphate, Available as P2O5	24	24.71 %	Pass
Potash, Soluble	6	5.89 %	Pass

**Product: 7-23-1**

**Sample No: 18N003136**

Commercial Value	68	74.12	
Nitrogen, Total	7	8.71 %	Pass
Overall Index Value	100	109.00 %	Pass
Phosphate, Available as P2O5	23	23.31 %	Pass
Potash, Soluble	1	1.38 %	Pass
Zinc, Acid Soluble	0.46	0.48 %	Pass

**Manufacturer: Estelline Coop**

**Product: Custom Fertilizer Blend**

**Sample No: 18N003150**

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
	109.19	125.26	
	16.25	18.66 %	<b>Pass</b>
	100	114.72 %	<b>Pass</b>
Commercial Value			
Nitrogen, Total			
All Index Value			

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Phosphate, Available as P2O5	24.72	29.43 %	Pass
Potash, Soluble	11.	10.41 %	Pass
Sulfur	4.40	4.47 %	Pass

**Product:** Sta-Green Weed and Feed 28-0-4

**Sample No:** 18N003138

Commercial Value	123.58	136.06	
Nitrogen, Total	30.34	34.27 %	Pass
Overall Index Value	100	110.10 %	Pass
Phosphate, Available as P2O5	10.81	10.82 %	Pass
Potash, Soluble	10.94	11.61 %	Pass

**Manufacturer:** Farm Country Coop-Florence

**Product:** 0-0-60 Potash

**Sample No:** 18N003399

Commercial Value	130	132.33	
Nitrogen, Total	10	10.74 %	Pass
Overall Index Value	100	101.79 %	Pass
Phosphate, Available as P2O5	50	50.06 %	Pass

**Product:** 10-50-0-MAP

**Sample No:** 18N003402

Potash, Soluble	60	58.75 %	Pass
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**Product:** 21-0-0-24

**Sample No:** 18N003401

Nitrogen, Total	21	21.26 %	Pass
Sulfur	24	24.15 %	Pass

**Product:** 46-0-0 Urea

**Sample No:** 18N003398

Nitrogen, Total	46	45.68 %	Pass
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**Manufacturer:** Farmers Ag Center - Madison

**Product:** 125-100-60-12 S

<b>Sample No:</b>		<b><u>Analyte</u></b>	<b><u>Claim</u></b>	<b><u>Found Unit</u></b>	<b><u>Disposition</u></b>
	18N003096				
		Commercial Value (STPB)	118.09	129.20	
		Nitrogen, Total	23.48	26.24 %	<b>Pass</b>
		Overall Index Value (STPB)	100	109.41 %	<b>Pass</b>
		Phosphate, Available as P2O5	18.86	20.28 %	<b>Pass</b>
		Potash, Soluble (STPB)	11.36	9.93 %	<b>Deficient</b>
		Sulfur	2.237	3.00 %	<b>Pass</b>

	Analyte	Claim	Found Unit	Disposition
<b>Product:</b> 125-40-50-12 S				
<b>Sample No:</b>	18N003095			
	Commercial Value	116.02	123.56	
	Nitrogen, Total	28.65	31.02 %	Pass
	Overall Index Value	100	106.50 %	Pass
	Phosphate, Available as P2O5	9.26	9.31 %	Pass
	Potash, Soluble	11.55	11.89 %	Pass
	Sulfur	2.741	3.17 %	Pass
<b>Product:</b> 160-60-40 plus Triple Flex II Herbici				
<b>Sample No:</b>	18N003097			
	Commercial Value	129.64	136.17	
	Nitrogen, Total	32.36	34.25 %	Pass
	Overall Index Value	100	105.04 %	Pass
	Phosphate, Available as P2O5	12.25	12.04 %	Pass
	Potash, Soluble	8.06	9.34 %	Pass
<b>Manufacturer:</b> Farmers Coop Elevator-Avon				
<b>Product:</b> 10-34-0				
<b>Sample No:</b>	18N003348			
	Commercial Value	98	94.19	
	Nitrogen, Total	10	10.44 %	Pass
	Overall Index Value	100	96.11 %	Deficient
	Phosphate, Available as P2O5	34	31.43 %	Deficient
<b>Product:</b> Custom Blend 70-30-0				
<b>Sample No:</b>	18N003446			
	Commercial Value	140.72	141.85	
	Nitrogen, Total	36.50	37.46 %	Pass
	Overall Index Value	100	100.80 %	Pass
	Phosphate, Available as P2O5	15.61	14.73 %	Deficient
<b>Product:</b>				

Custom Blend 80-30-0

**Sample No:**

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
18N003445	Commercial Value	140.44	
	Nitrogen, Total	142.07	
		37.4	41.10 %
	Overall Index Value	100	101.16 %
	Phosphate, Available as P2O5	14.12	9.38 %
			<b>Pass</b>
			<b>Pass</b>
			<b>Deficient</b>

<b>Sample No:</b>	<b><u>Analyte</u></b>	<b><u>Claim</u></b>	<b><u>Found Unit</u></b>	<b><u>Disposition</u></b>
	Urea 46-0-0	146	147.20	
18N003346	Commercial Value Nitrogen,	18	18.29 %	<b>Pass</b>
	Total Overall Index Value	100	100.82 %	<b>Pass</b>
	Phosphate, Available as P2O5	46	46.16 %	<b>Pass</b>

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
<b>Sample No:</b>	18N003347	Nitrogen, Total	46	46.83 %	<b>Pass</b>
<b>Manufacturer:</b>	<b>Farmers Elevator-Platte</b>				
<b>Product:</b>	AMS 21-0-0-24				
<b>Sample No:</b>	18N003449	Nitrogen, Total	21	21.78 %	<b>Pass</b>
		Sulfur	24	24.24 %	<b>Pass</b>
<b>Product:</b>	MAP 11-52-0				
<b>Sample No:</b>	18N003452	Commercial Value	137	137.51	
		Nitrogen, Total	11	11.16 %	<b>Pass</b>
		Overall Index Value	100	100.37 %	<b>Pass</b>
		Phosphate, Available as P2O5	52	52.01 %	<b>Pass</b>
<b>Product:</b>	Potash 0-0-60				
<b>Sample No:</b>	18N003450	Potash, Soluble (STPB)	60	59.89 %	<b>Pass</b>
<b>Product:</b>	Urea 46-0-0				
<b>Sample No:</b>	18N003451	Nitrogen, Total	46	46.16 %	<b>Pass</b>
<b>Manufacturer:</b>	<b>Fousek Grain-Wagner</b>				
<b>Product:</b>	MAP 11-52-0				
<b>Sample No:</b>	18N003436	Commercial Value	137	144.71	
		Nitrogen, Total	11	17.71 %	<b>Pass</b>
		Overall Index Value	100	105.63 %	<b>Pass</b>
		Phosphate, Available as P2O5	52	45.79 %	<b>Deficient</b>
<b>Product:</b>	Potash 0-0-60				
<b>Sample No:</b>	18N00343	Potash, Soluble	60	61.94 %	<b>Pass</b>



Analyte

Claim

Found Unit

Disposition

**Product:** Urea 46-0-0

**Sample No:** 18N003434

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
		Nitrogen, Total	46	45.32 %	Pass
<b>Manufacturer:</b>	<b>Frontier Fertilizer-Johnstown</b>				
<b>Product:</b>	Micro Urea				
<b>Sample No:</b>	18N003341				
		Nitrogen, Total	46	45.95 %	Pass
<b>Manufacturer:</b>	<b>Full Circle Ag-Hecla</b>				
<b>Product:</b>	Customer Blend Fertilizer				
<b>Sample No:</b>	18N003477				
		Commercial Value	123.58	123.50	
		Nitrogen, Total	32.47	32.08 %	Pass
		Overall Index Value	100	99.94 %	Pass
		Phosphate, Available as P2O5	10.55	10.92 %	Pass
		Potash, Soluble	5.07	5.41 %	Pass
		Sulfur	2.435	2.82 %	Pass
<b>Manufacturer:</b>	<b>Gavilon Fertilizer LLC-Savanna</b>				
<b>Product:</b>	DAP				
<b>Sample No:</b>	18N003259				
		Commercial Value	146	146.90	
		Nitrogen, Total	18	18.40 %	Pass
		Overall Index Value	100	100.61 %	Pass
		Phosphate, Available as P2O5	46	45.84 %	Pass
<b>Product:</b>	MAP				
<b>Sample No:</b>	18N003260				
		Commercial Value	137	139.10	
		Nitrogen, Total	11	11.60 %	Pass
		Overall Index Value	100	101.53 %	Pass
		Phosphate, Available as P2O5	52	52.15 %	Pass
<b>Product:</b>	Urea				
<b>Sample No:</b>	18N003262				
		Nitrogen, Total	46	46.71 %	Pass
<b>Manufacturer:</b>	<b>Geddes Farmers Elevator-Ged</b>				
<b>Product:</b>	AMS 21-0-0-24				
<b>Sample No:</b>	18N00344				
		Nitrogen, Total	27	21.27 %	Pass
		Sulfur	24	24.86 %	Pass

Analyte

Claim

Found Unit

Disposition

**Product:** MAP 11-52-0

<b>Sample No:</b>	18N003444	<b>Analyte</b>	<b>Claim</b>	<b>Found Unit</b>	<b>Disposition</b>
		Commercial Value	137	139.08	
		Nitrogen, Total	11	11.91 %	<b>Pass</b>
		Overall Index Value	100	101.52 %	<b>Pass</b>
		Phosphate, Available as P2O5	52	51.68 %	<b>Pass</b>

**Product:** Potash 0-0-60

<b>Sample No:</b>	18N003441	Potash, Soluble	60	62.97 %	<b>Pass</b>
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**Product:** Urea 46-0-0

<b>Sample No:</b>	18N003442	Nitrogen, Total	46	45.78 %	<b>Pass</b>
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**Manufacturer:** GroTec Inc.  
**Product:** Sta Green Lawn Starter 18-24-6

<b>Sample No:</b>	18N003395	Commercial Value	108	117.25	
		Nitrogen, Total	18	19.92 %	<b>Pass</b>
		Overall Index Value	100	108.57 %	<b>Pass</b>
		Phosphate, Available as P2O5	24	25.56 %	<b>Pass</b>
		Potash, Soluble	6	6.39 %	<b>Pass</b>

**Product:** Sta-Green Lawn Fertilizer Plus Iron

<b>Sample No:</b>	18N003392	Commercial Value	92	111.91	
		Iron	2	1.88 %	<b>Pass</b>
		Nitrogen, Total	29	35.30 %	<b>Pass</b>
		Overall Index Value	100	121.64 %	
		Potash, Soluble	5	6.00 %	<b>Pass</b>

**Product:** Sta-Green Weed and Feed 28-0-4

<b>Sample No:</b>	18N003390	Commercial Value	Soluble	104	
		Nitrogen, Total Overall	88		
		Index Value Potash,	28		

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
86.59		98.40 %	4.	%	Pass
27.27 %	<b>Pass</b>	<b>Pass</b>	79		
<b>Manufacturer:</b>	<b>Hamlin County Farmers Coop-</b>				
<b>Product:</b>	Customer blend fertilizer				

**Sample No:** 18N003609

Commercial Value 134.76 138.24

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Nitrogen, Total	30.93	29.08 %	Deficient
Overall Index Value	100	102.58 %	Pass
Phosphate, Available as P2O5	19.88	23.64 %	Pass
Potash, Soluble	2.21	3.71 %	Pass
Commercial Value	134.98	139.53	
Nitrogen, Total	30.93	31.44 %	Pass
Overall Index Value	100	103.37 %	Pass
Phosphate, Available as P2O5	19.99	21.14 %	Pass
Potash, Soluble	2.21	2.92 %	Pass

Sample No: 18N003610

Manufacturer: Helena Chemical Company-TN

Product: 8-24-0 O-Phos

Sample No: 18N003483

Commercial Value	72	76.93	
Nitrogen, Total	8	8.97 %	Pass
Overall Index Value (STPB)	100	106.85 %	Pass
Phosphate, Available as P2O5	24	25.01 %	Pass

Product: Nucleus O-Phos

Sample No: 18N003479

Commercial Value	72	77.00	
Iron	0.10	0.13 %	Pass
Nitrogen, Total	8.	8.66 %	Pass
Overall Index Value	100	106.94 %	
Phosphate, Available as P2O5	24.	25.51 %	Pass

Product: Nucleus Ortho-Phos 8-24-0

Sample No: 18N003084

Commercial Value	72	73.79	
Nitrogen, Total	8	8.67 %	Pass
Overall Index Value	100	102.48 %	Pass
Phosphate, Available as P2O5	24	24.97 %	Pass

Product: Nutri-Link 7-23-1-0.46 (ZN)

<b>Sample No:</b>		<b><u>Analyte</u></b>	<b><u>Claim</u></b>	<b><u>Found Unit</u></b>	<b><u>Disposition</u></b>
	18N003083				
		Commercial Value	68	74.55	
		Nitrogen, Total	7	8.55 %	<b>Pass</b>
		Overall Index Value	100	109.63 %	<b>Pass</b>
		Phosphate, Available as P2O5	23	23.90 %	<b>Pass</b>

	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
	Potash, Soluble	1	1.10 %	Pass
	Zinc, Acid Soluble	0.46	0.58 %	Pass
<b>Product: Zinc</b>				
<b>Sample No:</b>	18N003480			
	Sulfur	4.5	4.66 %	Pass
	Zinc, Acid Soluble	10.	9.89 %	Pass
<b>Manufacturer: Helena Chemical-Clear Lake</b>				
<b>Product:</b>	10-34-0			
<b>Sample No:</b>	18N003263			
	Commercial Value	98	95.92	
	Nitrogen, Total	10	10.46 %	Pass
	Overall Index Value	100	97.88 %	Deficient
	Phosphate, Available as P2O5	34	32.27 %	Deficient
<b>Product: Customer Blend Fertilizer</b>				
<b>Sample No:</b>	18N003255			
	Commercial Value (STPB)	104.89	114.36	
	Nitrogen, Total	23.21	28.01 %	Pass
	Overall Index Value (STPB)		109.00 %	Pass
	Phosphate, Available as P2O5	11.18	10.10 %	Deficient
	Potash, Soluble (STPB)	12.9	10.11 %	Deficient
	Sulfur	5.159	5.27 %	Pass
<b>Sample No:</b>	18N003256			
	Commercial Value	82.43	86.41	
	Nitrogen, Total	6.14	6.34 %	Pass
	Overall Index Value	100	104.82 %	Pass
	Phosphate, Available as P2O5	14.86	14.49 %	Pass
	Potash, Soluble	34.29	38.42 %	Pass
	Sulfur	3.429	3.85 %	Pass
<b>Sample No:</b>	18N003257			
	Commercial Value	124.71	133.11	
	Nitrogen, Total	28.78	32.66 %	Pass
	Overall Index Value	100	106.73 %	Pass
	Phosphate, Available as P2O5	14.39	12.60 %	Deficient
	Potash, Soluble	9.59	9.92 %	Pass
<b>Manufacturer: Howard Johnson's Enterprises</b>				



Analyte

Claim

Found Unit

Disposition

**Product:**

HJ All Purpose Fertilizer

Sample No:	Analyte	Claim	Found Unit	Disposition
18N003396	Commercial Value	60	56.63	
	Nitrogen, Total	10	10.07 %	Pass
	Overall Index Value	100	94.38 %	Deficient
	Phosphate, Available as P2O5	10	8.49 %	Deficient
	Potash, Soluble	10	9.43 %	Pass
<b>Manufacturer: Invictis CropCare</b>				
<b>Product: Captivate D 10-20-5</b>				
18N003374	Commercial Value	75	77.45	
	Nitrogen, Total	10	10.74 %	Pass
	Overall Index Value	100	103.27 %	Pass
	Phosphate, Available as P2O5	20	19.99 %	Pass
	Potash, Soluble	5	5.24 %	Pass
	Zinc, Acid Soluble	.43	0.60 %	Pass
<b>Manufacturer: Koch Fertilizer LLC-Wichita</b>				
<b>Product: 32-0-0 Liquid Fertilizer</b>				
18N003338	Nitrogen, Total	32	32.99 %	Pass
<b>Product: Uflexx Stabilized Fertilizer</b>				
18N003344	Nitrogen, Total	46	45.46 %	Pass
<b>Product: Umaxx Stabilized Nitrogen</b>				
18N003339	Nitrogen, Total	46	45.59 %	Pass
<b>Product: Urea</b>				
18N003587	Nitrogen, Total	46	46.74 %	Pass
<b>Manufacturer: Koch Fertilizer, LLC-Garretson</b>				
<b>Product: 8-24-4</b>				
18N003264	Commercial Value (STPB)	76	42.65	
	Nitrogen, Total	8	4.74 %	Deficient
	Overall Index Value (STPB)	100	56.12 %	Deficient
	Phosphate, Available as P2O5	24	12.99 %	Deficient
	Potash, Soluble (STPB)	4	2.46 %	Deficient

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
<b>Product:</b>	Urea Ammonium Nitrate Solution 32				
<b>Sample No:</b>	18N003491				
		Nitrogen, Total	32	32.06 %	Pass
<b>Manufacturer:</b>	Koch Fertilizer-Verdi				
<b>Product:</b>	10-34-0				
<b>Sample No:</b>	18N003358				
		Commercial Value	98	95.20	
		Nitrogen, Total	10	10.00 %	Pass
		Overall Index Value	100	97.14 %	Deficient
		Phosphate, Available as P2O5	34	32.60 %	Deficient
<b>Product:</b>	28-0-0				
<b>Sample No:</b>	18N003120				
		Nitrogen, Total	28	31.35 %	Pass
<b>Sample No:</b>	18N003128				
		Nitrogen, Total	28	30.46 %	Pass
<b>Manufacturer:</b>	Koch Nitrogen Company-Wols				
<b>Product:</b>	28-0-0				
<b>Sample No:</b>	18N003357				
		Nitrogen, Total	28	29.34 %	
<b>Manufacturer:</b>	Kugler Company				
<b>Product:</b>	LS 6-24-6				
<b>Sample No:</b>	18N003265				
		Commercial Value	72	71.15	
		Nitrogen, Total	6	5.75 %	Pass
		Overall Index Value	100	98.82 %	Pass
		Phosphate, Available as P2O5	24	23.71 %	Pass
		Potash, Soluble	6	6.49 %	Pass
<b>Manufacturer:</b>	Kugler Company-McCook NE				
<b>Product:</b>	9% Zinc EDTA				
<b>Sample No:</b>	18N003289				

			<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Zinc	9	8.31 %				

**Pass**

**Product:** KSMICROMAX

**Sample No:** 18N003266

Boron, Acid Soluble	0.025	0.04 %	<b>Pass</b>
Copper	0.5	0.51 %	<b>Pass</b>
Iron	1.	0.70 %	<b>Deficient</b>

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Manganese, Acid Soluble	2.	1.88 %	Pass
Zinc, Acid Soluble	2.	1.86 %	Pass

**Product:** LS 6-24-6 plus Zinc and KS MicroM

**Sample No:** 18N003267

Commercial Value	72	71.43	
Nitrogen, Total	6	6.44 %	Pass
Overall Index Value	100	99.21 %	Pass
Phosphate, Available as P2O5	24	22.90 %	Deficient
Potash, Soluble	6	6.33 %	Pass
Zinc, Acid Soluble	9	0.26 %	Deficient

**Manufacturer:** Lake Andes Farmers Coop

**Product:** 11-52

**Sample No:** 18N003485

Commercial Value	137		
Nitrogen, Total	11	%	
Overall Index Value	100	%	
Phosphate, Available as P2O5	52	%	

**Product:** AMS 21-0-0-24

**Sample No:** 18N003440

Nitrogen, Total	21	20.58 %	Pass
Sulfur	24	24.46 %	Pass

**Product:** MAP 11-52-0

**Sample No:** 18N003439

Commercial Value	137	141.53	
Nitrogen, Total	11	11.39 %	Pass
Overall Index Value	100	103.30 %	Pass
Phosphate, Available as P2O5	52	53.68 %	Pass

**Product:** Urea 46-0-0

**Sample No:** 18N003438

Nitrogen, Total	46	45.93 %	Pass
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	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
<b>Manufacturer:</b>	<b>Lebanon Seaboard Corp</b>			
<b>Product:</b>	Mesa Fertilizer			

**Sample No:** 18N003465

Commercial Value	80	86.65	
Nitrogen, Total	25	26.74 %	<b>Pass</b>
Overall Index Value	100	108.31 %	<b>Pass</b>

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		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
		Potash, Soluble	5	6.43 %	Pass
<b>Manufacturer:</b>	<b>Marion Agronomy-Marion</b>				
<b>Product:</b>	AMS				
<b>Sample No:</b>	18N003621				
		Nitrogen, Total	21	20.32 %	Pass
		Sulfur	24	24.16 %	Pass
<b>Product:</b>	Potash				
<b>Sample No:</b>	18N003622				
		Potash, Soluble	60	62.59 %	Pass
<b>Manufacturer:</b>	<b>McLaughlin SDWG</b>				
<b>Product:</b>	10-34-0				
<b>Sample No:</b>	18N003332				
		Commercial Value	98	98.10	
		Nitrogen, Total	10	10.51 %	Pass
		Overall Index Value	100	100.10 %	Pass
		Phosphate, Available as P2O5	34	33.28 %	Pass
<b>Product:</b>	28-0-0				
<b>Sample No:</b>	18N003333				
		Nitrogen, Total	28	28.70 %	Pass
<b>Sample No:</b>	18N003334				
		Nitrogen, Total	28	28.89 %	Pass
<b>Product:</b>	MAP 11-52-0				
<b>Sample No:</b>	18N003322				
		Commercial Value		Phosphate, Available as P2O5	
		Nitrogen, Total			
		Overall Index Value			
<b>Sample No:</b>	18N003323				
		Commercial Value			
		Nitrogen, Total			
		Overall Index Value			

	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
137		138.51		
11		11.64 %		
100				
52	<b>Pass</b>			
		101.11 %		
137	<b>Pass</b>			
11		51.79 %		
100				
52	<b>Pass</b>			
		137.57		
		11.29 %		
	<b>Pass</b>			
		100.42 %		
	<b>Pass</b>			
		51.84 %		
	<b>Pass</b>			

**Manufacturer:** Mettler Fertilizer  
**Product:** Urea 46-0-0

**Sample No:** 18N003350

Nitrogen, Total	46	45.35 %	<b>Pass</b>
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		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
<b>Manufacturer:</b>	<b>Mettler Fertilizer -Tripp</b>				
<b>Product:</b>	AMS 21-0-0-24				
<b>Sample No:</b>	18N003353				
		Nitrogen, Total	21	21.01 %	<b>Pass</b>
		Sulfur	24	24.36 %	<b>Pass</b>
<b>Product:</b>	MAP 11-52-0				
<b>Sample No:</b>	18N003354				
		Commercial Value	137	139.86	
		Nitrogen, Total	11	11.12 %	<b>Pass</b>
		Overall Index Value	100	102.09 %	<b>Pass</b>
		Phosphate, Available as P2O5	52	53.25 %	<b>Pass</b>
<b>Product:</b>	MESZ 12-45-0-5S-1ZN				
<b>Sample No:</b>	18N003352				
		Commercial Value	126	129.15	
		Nitrogen, Total	12	12.88 %	<b>Pass</b>
		Overall Index Value	100	102.50 %	<b>Pass</b>
		Phosphate, Available as P2O5	45	45.26 %	<b>Pass</b>
		Sulfur	5	5.36 %	<b>Pass</b>
		Zinc, Acid Soluble	1	0.90 %	<b>Pass</b>
<b>Product:</b>	Potash 0-0-60				
<b>Sample No:</b>	18N003351				
		Potash, Soluble	60	61.87 %	<b>Pass</b>
<b>Manufacturer:</b>	<b>Mettler Fertilizer-Menno</b>				
<b>Product:</b>	28-0-0				
<b>Sample No:</b>	18N003536				
		Nitrogen, Total	28	28.80 %	<b>Pass</b>
<b>Manufacturer:</b>	<b>Milwaukee Metropolitan Sewag</b>				
<b>Product:</b>	Milorganite				
<b>Sample No:</b>	18N003343				
		Calcium	1.2	2.07 %	<b>Pass</b>
		Commercial Value	22	27.53	

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Iron	2.5	2.89 %	<b>Pass</b>
Nitrogen, Total	6.	6.45 %	<b>Pass</b>
Overall Index Value	100	125.16 %	<b>Pass</b>
Phosphate, Available as P2O5	2.	4.10 %	<b>Pass</b>

**Manufacturer:** Miracle-Gro Lawn Inc - Marysvi

<b>Product:</b>	<b>Analyte</b>	<b>Claim</b>	<b>Found Unit</b>	<b>Disposition</b>
<b>Miracle Gro Fruit and Citrus Spikes</b>				
<b>Sample No:</b>	18N006613			
	Commercial Value	75	82.45	
	Iron	0.1	0.57 %	<b>Pass</b>
	Manganese, Acid Soluble	0.05	0.07 %	<b>Pass</b>
	Nitrogen, Total	10.	11.60 %	<b>Pass</b>
	Overall Index Value	100	109.93 %	<b>Pass</b>
	Phosphate, Available as P2O5	15.	15.97 %	<b>Pass</b>
	Potash, Soluble	15.	15.70 %	<b>Pass</b>
	Sulfur	8.	10.00 %	<b>Pass</b>
<b>Miracle-Gro Miracid</b>				
<b>Sample No:</b>	18N003337			
	Boron, Acid Soluble	0.02	%	
	Commercial Value	120		
	Copper	0.07	%	
	Iron	0.325	%	
	Manganese, Acid Soluble	0.05	%	
	Nitrogen, Total	30	%	
	Overall Index Value	100	%	
	Phosphate, Available as P2O5	10	%	
	Potash, Soluble	10	%	
	Zinc, Acid Soluble	0.07	%	
<b>Natures Care Blood Meal Fertilizer</b>				
<b>Sample No:</b>	18N000945			
	Nitrogen, Total	12	15.77 %	<b>Pass</b>
<b>Missouri River Farms-Yankton</b>				
<b>Product:</b>	AMS 21-0-0-24			
<b>Sample No:</b>	18N003569			
	Nitrogen, Total	21	21.45 %	<b>Pass</b>
	Sulfur	24	23.54 %	<b>Pass</b>
<b>MAP 11-52-0</b>				

<b>Sample No:</b>		<b><u>Analyte</u></b>	<b><u>Claim</u></b>	<b><u>Found Unit</u></b>	<b><u>Disposition</u></b>
	18N003570				
		Commercial Value	137	139.31	
		Nitrogen, Total	11	13.29 %	<b>Pass</b>
		Overall Index Value	100	101.69 %	<b>Pass</b>
		Phosphate, Available as P2O5	52	49.71 %	<b>Deficient</b>

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
<b>Product:</b>	Potash 0-0-60				
<b>Sample No:</b>	18N003568	Potash, Soluble	60	58.93 %	Pass
<b>Product:</b>	UREA 46-0-0				
<b>Sample No:</b>	18N003567	Nitrogen, Total	46	46.73 %	Pass
<b>Manufacturer:</b>	Mosaic Global Sales, LLC-Lithi				
<b>Product:</b>	DAP				
<b>Sample No:</b>	18N003190	Commercial Value	146	146.81	
		Nitrogen, Total	18	18.05 %	Pass
		Overall Index Value	100	100.56 %	Pass
		Phosphate, Available as P2O5	46	46.33 %	Pass
<b>Product:</b>	Micro Essentials SZ				
<b>Sample No:</b>	18N003189	Commercial Value	116	114.95	
		Nitrogen, Total	12	12.14 %	Pass
		Overall Index Value	100	99.10 %	Pass
		Phosphate, Available as P2O5	40	40.25 %	Pass
		Sulfur	10	9.30 %	Pass
		Zinc, Acid Soluble	1	0.93 %	Pass
<b>Product:</b>	Potash				
<b>Sample No:</b>	18N003188	Potash, Soluble	60	61.57 %	Pass
<b>Manufacturer:</b>	North Forty AG-Gregory				
<b>Product:</b>	11-52-0 MAP				
<b>Sample No:</b>	18N003780	Commercial Value	137	139.14	
		Nitrogen, Total Overall	11	11.92 %	Pass
		Index Value	100	101.56 %	Pass
		Phosphate, Available as P2O5	52	51.69 %	Pass

	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
<b>Product:</b>	AMS 21-0-0-24s			
<b>Sample No:</b>	18N003782			
	Nitrogen, Total	21	20.27 %	<b>Pass</b>
	Sulfur	24	23.74 %	<b>Pass</b>
<b>Product:</b>	Urea 46-0-0			

<u>Sample No:</u>	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
18N003783	Nitrogen, Total	46	46.56 %	Pass
<b>Manufacturer: Nutrien</b>				
<b>Product: Potash 0-0-60</b>				
18N003069	Potash, Soluble	60	63.11 %	Pass
<b>Manufacturer: Nutrien Ag Solutions - Centerv</b>				
<b>Product: Manganese Sulfate</b>				
18N009116	Manganese, Acid Soluble	32	34.73 %	Pass
<b>Manufacturer: Nutrien Ag Solutions - Vermilli</b>				
<b>Product: AMS (21-0-0-24)</b>				
18N009112	Nitrogen, Total	21	20.39 %	Pass
	Sulfur	24	23.59 %	Pass
<b>Product: MAP (11-52-00)</b>				
18N009111	Commercial Value	137	137.95	
	Nitrogen, Total	11	11.32 %	Pass
	Overall Index Value	100	100.69 %	Pass
	Phosphate, Available as P2O5	52	52.00 %	Pass
<b>Product: Potash (0-0-60)</b>				
18N009113	Potash, Soluble	60.	60.15 %	Pass
<b>Manufacturer: Nu-West Industries-ID</b>				
<b>Product: MAP 11-52-0</b>				
18N003528	Commercial Value Nitrogen, Total		Phosphate, Available as P2O5	
	Overall Index Value			

			<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
137	11	100		52 %		
<b>Manufacturer:</b>	<b>Origination, Inc.</b>					
<b>Product:</b>	Spray Grade Urea					
<b>Sample No:</b>	18N003340					
			Nitrogen, Total	46	45.67 %	<b>Pass</b>
<b>Manufacturer:</b>	<b>PCINitrogen</b>					



		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
<b>Product:</b>	Ammonium Thiosulphate 11-0-0-24				
<b>Sample No:</b>	18N003486				
		Nitrogen, Total	11	12.33 %	Pass
		Sulfur	24	24.49 %	Pass
<b>Manufacturer:</b>	Pinnacle Ag-Herreid				
<b>Product:</b>	11-52-0 MAP				
<b>Sample No:</b>	18N003365				
		Commercial Value	137	140.70	
		Nitrogen, Total	11	12.07 %	Pass
		Overall Index Value	100	102.70 %	Pass
		Phosphate, Available as P2O5	52	52.24 %	Pass
<b>Product:</b>	46-0-0				
<b>Sample No:</b>	18N003363				
		Nitrogen, Total	46	45.58 %	Pass
<b>Product:</b>	Potash 0-0-60				
<b>Sample No:</b>	18N003364				
		Potash, Soluble	60	61.86 %	Pass
<b>Manufacturer:</b>	Potash Corporation of Sask, In				
<b>Product:</b>	Potash 0-0-60				
<b>Sample No:</b>	18N003326				
		Potash, Soluble	60	60.93 %	Pass
<b>Sample No:</b>	18N003588				
		Potash, Soluble	60	60.45 %	Pass
<b>Manufacturer:</b>	Potash Corp-SCity				
<b>Product:</b>	Potash 0-0-60				
<b>Sample No:</b>	18N003488				
		Potash, Soluble	60	%	

Analyte

Claim

Found Unit

Disposition

**Manufacturer:** Prairie Ag Partners-Lake Prest  
**Product:** 28-0-0

**Sample No:**

**Product:** Custom Fertilizer Blend

**Sample No:** 18N003192

Commercial Value	126.5	130.66	
Nitrogen, Total	28.04	29.29 %	<b>Pass</b>
Overall Index Value	100	103.29 %	<b>Pass</b>

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
<b>Sample No:</b>	18N003193	Phosphate, Available as P2O5	21.19	21.39 %	<b>Pass</b>
		Commercial Value	126.5	129.84	
		Nitrogen, Total	28.04	27.23 %	<b>Pass</b>
		Overall Index Value	100	102.64 %	<b>Pass</b>
		Phosphate, Available as P2O5	21.19	24.08 %	<b>Pass</b>
<b>Sample No:</b>	18N003194	Sulfur	3.556	4.90 %	<b>Pass</b>
		Commercial Value	137.33	143.73	
		Nitrogen, Total	32.39	33.15 %	<b>Pass</b>
		Overall Index Value	100	104.66 %	<b>Pass</b>
		Phosphate, Available as P2O5	20.08	22.14 %	<b>Pass</b>
		Zinc, Acid Soluble	.081	0.18 %	<b>Pass</b>
<b>Sample No:</b>	18N003195	Commercial Value	137.33	143.15	
		Nitrogen, Total	32.39	31.87 %	<b>Pass</b>
		Overall Index Value	100	104.24 %	<b>Pass</b>
		Phosphate, Available as P2O5	20.08	23.77 %	<b>Pass</b>
		Zinc, Acid Soluble	.081	0.14 %	<b>Pass</b>
<b>Sample No:</b>	18N003196	Commercial Value	124.93	131.83	
		Nitrogen, Total	29.59	30.86 %	<b>Pass</b>
		Overall Index Value	100	105.52 %	<b>Pass</b>
		Phosphate, Available as P2O5	13.15	14.19 %	<b>Pass</b>
		Potash, Soluble	9.86	10.86 %	<b>Pass</b>
<b>Sample No:</b>	18N003197	Commercial Value	124.93	131.06	
		Nitrogen, Total	29.59	30.74 %	<b>Pass</b>
		Overall Index Value	100	104.90 %	<b>Pass</b>
		Phosphate, Available as P2O5	13.15	13.37 %	<b>Pass</b>
		Potash, Soluble	9.86	12.08 %	<b>Pass</b>

**Manufacturer:** Prairie Ag-Arlington  
**Product:** AMS

<b>Sample No:</b>	18N003592	Nitrogen, Total	21	20.69 %	<b>Pass</b>
		Sulfur	24	24.39 %	<b>Pass</b>

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
<b>Manufacturer: Purple Cow Organics, LLC</b>					
<b>Product: BioActive Vegetable Supercharger</b>					
<b>Sample No:</b>	18N010161				
		Commercial Value	16	24.51 %	
		Nitrogen, Total	3	5.04 %	<b>Pass</b>
		Overall Index Value	100	153.17 %	<b>Pass</b>
		Potash, Soluble	7	9.38 %	<b>Pass</b>
<b>Manufacturer: Ranek Ag</b>					
<b>Product: 28-0-0</b>					
<b>Sample No:</b>	18N003349				
		Nitrogen, Total	28	31.62 %	<b>Pass</b>
<b>Manufacturer: Ranek Ag-Mitchell</b>					
<b>Product: Custom</b>					
<b>Sample No:</b>	18N003496				
		Commercial Value	127.1	133.44	
		Nitrogen, Total	33.8	36.36 %	<b>Pass</b>
		Overall Index Value	100	104.99 %	<b>Pass</b>
		Phosphate, Available as P2O5	12.85	12.18 %	<b>Pass</b>
		Sulfur	3.41	2.92 %	<b>Deficient</b>
<b>Sample No:</b>	18N003497				
		Cancel Sample			
<b>Manufacturer: Rosebud Farmers Union</b>					
<b>Product: 10-34-0</b>					
<b>Sample No:</b>	18N003778				
		Commercial Value	98	68.73	
		Nitrogen, Total	10	11.55 %	<b>Pass</b>
		Overall Index Value	100	70.13 %	<b>Deficient</b>
		Phosphate, Available as P2O5	34	18.75 %	<b>Deficient</b>
<b>Product: 11-52-0</b>					
<b>Sample No:</b>	18N003773				
		Commercial Value Nitrogen, Total	137	139.42	
		Overall Index Value	11	11.39 %	<b>Pass</b>
		Phosphate, Available as P2O5	100	101.77 %	<b>Pass</b>
			52	52.63 %	<b>Pass</b>

Analyte

Claim

Found Unit

Disposition

**Product:** 28-0-0

**Sample No:** 18N003776

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
<b>Product:</b>	MAP 11-52-0	Nitrogen, Total	28	27.70 %	Pass
<b>Sample No:</b>	18N003774				
		Commercial Value	137	136.01	
		Nitrogen, Total	11	10.70 %	Pass
		Overall Index Value	100	99.28 %	Pass
		Phosphate, Available as P2O5	52	51.95 %	Pass
<b>Product:</b>	Potash 0-0-60				
<b>Sample No:</b>	18N003775				
		Potash, Soluble (STPB)	60	59.24 %	
<b>Product:</b>	Urea 46-0-0				
<b>Sample No:</b>	18N003777				
		Nitrogen, Total	46	46.30 %	Pass
<b>Manufacturer:</b>	<b>Scotts Miracle Grow</b>				
<b>Product:</b>	Miracle Gro				
<b>Sample No:</b>	18N000805				
		Commercial Value	104	106.35	
		Iron	0.15	0.18 %	Pass
		Manganese, Acid Soluble	0.05	0.06 %	Pass
		Nitrogen, Total	24	24.21 %	Pass
		Overall Index Value	100	102.26 %	Pass
		Phosphate, Available as P2O5	8	7.70 %	Pass
		Potash, Soluble	16	18.31 %	Pass
		Zinc, Acid Soluble	0.06	0.17 %	Pass
<b>Product:</b>	Miracle Gro All Purp Plant Food				
<b>Sample No:</b>	18N003033				
		Boron, Acid Soluble	.02	0.04 %	Pass
		Commercial Value	104	108.24	
		Copper	.07	0.08 %	Pass
		Iron	.15	0.19 %	Pass
		Manganese, Acid Soluble	.05	0.05 %	Pass

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Nitrogen, Total	24	24.05 %	Pass
Overall Index Value	100	104.08 %	Pass
Phosphate, Available as P2O5	8	9.59 %	Pass
Potash, Soluble	16	16.93 %	Pass
Zinc, Acid Soluble	.06	0.07 %	Pass

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
<b>Product:</b> Miracle Gro All Purpose Plant		Zinc, Water Soluble	.06	0.06 %	Pass
<b>Sample No:</b> 18N003038					
		Calcium	1.6	8.63 %	Pass
		Commercial Value	52	58.26	
		Copper	.06	0.06 %	Pass
		Iron	.95	1.05 %	Pass
		Magnesium, Water Soluble	0.7	0.85 %	Pass
		Manganese, Acid Soluble	.35	0.38 %	Pass
		Nitrogen, Total	12	13.24 %	Pass
		Overall Index Value	100	112.03 %	Pass
		Phosphate, Available as P2O5	4	5.01 %	Pass
		Potash, Soluble	8	8.53 %	Pass
		Sulfur	3.2	4.71 %	Pass
		Zinc, Acid Soluble	.12	0.17 %	Pass
		Zinc, Water Soluble	.001	0.00 %	Pass
<b>Product:</b> Miracle Gro Plant Food Spikes					
<b>Sample No:</b> 18N003042					
		Boron, Acid Soluble	.02	0.04 %	Pass
		Commercial Value	48	52.58	
		Copper	.05	0.04 %	Pass
		Iron	.15	0.37 %	Pass
		Magnesium, Water Soluble	.50	0.43 %	Pass
		Manganese, Acid Soluble	.05	0.08 %	Pass
		Nitrogen, Total	6	6.78 %	Pass
		Overall Index Value	100	109.54 %	Pass
		Phosphate, Available as P2O5	12	12.81 %	Pass
		Potash, Soluble	6	6.63 %	Pass
		Sulfur	2	3.21 %	Pass
		Zinc, Acid Soluble	.05	0.06 %	Pass
<b>Product:</b> Miracle Grow Indoor Plant					
<b>Sample No:</b> 18N003032					
		Commercial Value	6	6.85	
		Nitrogen, Total	1	1.34 %	Pass
		Overall Index Value	100	114.24 %	Pass



<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Phosphate, Available as P2O5	1	1.01 %	Pass

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
<b>Product:</b> Miracle Grow Miracid		Potash, Soluble	1	0.81 %	Pass
<b>Sample No:</b>	18N003037				
		Boron, Acid Soluble	.02	0.03 %	Pass
		Commercial Value	120	128.07	
		Copper	.07	0.07 %	Pass
		Iron	.325	0.36 %	Pass
		Manganese, Acid Soluble	.05	0.05 %	Pass
		Nitrogen, Total	30	32.33 %	Pass
		Overall Index Value	100	106.72 %	Pass
		Phosphate, Available as P2O5	10	10.63 %	Pass
		Potash, Soluble	10	9.81 %	Pass
		Zinc, Acid Soluble	.07	0.08 %	Pass
<b>Product:</b> Miracle Grow Quick Start					
<b>Sample No:</b>	18N003041				
		Calcium	7	8.85 %	Pass
		Commercial Value	27	33.67	
		Nitrogen, Total	3	4.21 %	Pass
		Overall Index Value	100	124.72 %	Pass
		Phosphate, Available as P2O5	7	8.35 %	Pass
		Potash, Soluble	4	4.35 %	Pass
<b>Product:</b> Miracle-Gro Tomato Plant Food					
<b>Sample No:</b>	18N010159				
		Commercial Value	111	120.03 %	
		Nitrogen, Total	18	20.35 %	Pass
		Overall Index Value	100	108.13 %	Pass
		Phosphate, Available as P2O5	18	18.28 %	Pass
		Potash, Soluble	21	22.42 %	Pass
<b>Product:</b> Natures Care Organic Bone Meal					
<b>Sample No:</b>	18N000804				
		Calcium Commercial Value	7	9.01 %	Pass
		Nitrogen, Total Overall Index Value	34	43.72	
		Value	6		
		Phosphate, Available as P2O5	100	8.22 %	Pass
			8	128.60 %	Pass
				9.54 %	Pass

Analyte

Claim

Found Unit

Disposition

**Product:** Osmocote Plus

<u>Sample No:</u>	<u>18N000803</u>	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
		Boron, Acid Soluble	0.02	0.02 %	Pass
		Commercial Value	75	78.70	
		Copper	0.05	0.05 %	Pass
		Iron	0.46	0.49 %	Pass
		Magnesium, Acid Soluble	1.3	1.56 %	Pass
		Magnesium, Water Soluble	0.9	1.71 %	Pass
		Manganese, Acid Soluble	0.06	0.10 %	Pass
		Nitrogen, Total	15	15.73 %	Pass
		Overall Index Value	100	104.93 %	Pass
		Phosphate, Available as P2O5	9	9.68 %	Pass
		Potash, Soluble	12	12.13 %	Pass
		Sulfur	6.	7.24 %	Pass
		Zinc, Acid Soluble	0.05	0.05 %	Pass
<b>Sample No:</b>	<b>18N010157</b>				
		Commercial Value	75	81.87 %	
		Nitrogen, Total	15	16.69 %	Pass
		Overall Index Value	100	109.16 %	Pass
		Phosphate, Available as P2O5	9	9.48 %	Pass
		Potash, Soluble	12	12.86 %	Pass
<b>Manufacturer:</b>	<b>Simplot Grower Solutions-Bere</b>				
<b>Product:</b>	<b>28-0-0</b>				
<b>Sample No:</b>	<b>18N003380</b>				
		Nitrogen, Total	28	28.55 %	Pass
<b>Product:</b>	<b>AMS</b>				
<b>Sample No:</b>	<b>18N003386</b>				
		Nitrogen, Total	21	20.87 %	Pass
		Sulfur	24	24.73 %	Pass
<b>Product:</b>	<b>Boron 18 maxi</b>				
<b>Sample No:</b>	<b>18N003489</b>				
		Boron, Acid Soluble	15	%	
<b>Product:</b>	<b>Fertilizer</b>				

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Sample No:	18N003558	Cancel Sample			

Product: MAP

Sample No: 18N003384

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Commercial Value	137	141.14	
Nitrogen, Total	11	12.17 %	Pass
Overall Index Value	100	103.02 %	Pass
Phosphate, Available as P2O5	52	52.32 %	Pass

**Product:** Potash

**Sample No:** 18N003383

Potash, Soluble	60	60.11 %	Pass
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**Product:** Sweetener

**Sample No:** 18N003388

Commercial Value	115.91	123.13	
Nitrogen, Total	25.98	27.73 %	Pass
Overall Index Value	100	106.23 %	Pass
Phosphate, Available as P2O5	13.99	13.98 %	Pass
Potash, Soluble	9.99	11.99 %	Pass
Sulfur	.218	2.37 %	Pass

**Product:** Twedt

**Sample No:** 18N003391

Boron, Acid Soluble	.083	0.10 %	Pass
Commercial Value	114.75	119.24	
Nitrogen, Total	26.35	26.91 %	Pass
Overall Index Value	100	103.92 %	Pass
Phosphate, Available as P2O5	13.18	14.23 %	Pass
Potash, Soluble	9.34	10.05 %	Pass
Sulfur	.547	3.57 %	Pass
Zinc, Acid Soluble	.167	0.20 %	Pass

**Product:** Urea

**Sample No:** 18N003382

Nitrogen, Total	46	46.20 %	Pass
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**Product:** Zinc

**Sample No:** 18N003381

Zinc, Acid Soluble	33.3	32.89 %	Pass
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	<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
<b>Manufacturer:</b>	<b>Soil Works, LLC</b>			
<b>Product:</b>	Microburst 7-53-2			

**Sample No:** 18N003471

Commercial Value	129	134.11	
Nitrogen, Total	7	8.79 %	<b>Pass</b>

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Overall Index Value	100	103.96 %	Pass
Phosphate, Available as P2O5	53	51.92 %	Deficient
Potash, Soluble	2	3.90 %	Pass

**Manufacturer:** South Side Farm Services-Cor  
**Product:** 10-34-0

**Sample No:** 18N003448

Commercial Value	98	88.66	
Nitrogen, Total	10	9.47 %	Pass
Overall Index Value	100	90.47 %	Deficient
Phosphate, Available as P2O5	34	30.13 %	Deficient

**Product:** 32-0-0

**Sample No:** 18N003447

Nitrogen, Total	32	32.38 %	Pass
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**Manufacturer:** Southeast Farmer's Coop-Burb  
**Product:** 32-0-0

**Sample No:** 18N003462

Nitrogen, Total	32	31.30 %	Pass
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**Product:** AMS (21-0-0-24)

**Sample No:** 18N009287

Nitrogen, Total	21	21.54 %	Pass
Sulfur	24	23.88 %	Pass

**Product:** AMS 21-0-0-24

**Sample No:** 18N003456

Nitrogen, Total	21	21.28 %	Pass
Sulfur	24	24.37 %	Pass

**Product:** Customer Blend

**Sample No:** 18N003458



<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Commercial Value	115.2	116.64	
Nitrogen, Total	26.2	26.35 %	<b>Pass</b>
Overall Index Value	100	101.25 %	<b>Pass</b>
Phosphate, Available as P2O5	12.2	11.50 %	<b>Pass</b>
Potash, Soluble	12.2	14.58 %	<b>Pass</b>
Sulfur	1.9	2.51 %	<b>Pass</b>
Zinc, Acid Soluble	0.3	0.36 %	<b>Pass</b>
	100	101.99	

Sample No: 18N003461

Commercial Value

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Nitrogen, Total	6.1	6.56 %	Pass
Overall Index Value	100	101.99 %	Pass
Phosphate, Available as P2O5	28.6	29.00 %	Pass
Potash, Soluble	24.5	24.32 %	Pass

Sample No: 18N009290

Commercial Value	88.8	90.31 %	
Nitrogen, Total	5	5.10 %	Pass
Overall Index Value	100	101.70 %	Pass
Phosphate, Available as P2O5	23.4	23.56 %	Pass
Potash, Soluble	27	27.90 %	Pass
Sulfur	4.5	5.92 %	Pass
Zinc, Acid Soluble	0.084	0.12 %	Pass

Product: ESN (44-0-0)

Sample No: 18N009109

Nitrogen, Total	44	44.38 %	Pass
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Product: MAP (11-52-0)

Sample No: 18N009286

Commercial Value	137	137.34 %	
Nitrogen, Total	11	11.32 %	Pass
Overall Index Value	100	100.25 %	Pass
Phosphate, Available as P2O5	52	51.69 %	Pass

Product: MAP 11-52-0

Sample No: 18N003460

Commercial Value	137	141.61	
Nitrogen, Total	11	11.93 %	Pass
Overall Index Value	100	103.37 %	Pass
Phosphate, Available as P2O5	52	52.90 %	Pass

Product: Potash (0-0-60)

Sample No: 18N009289

Potash, Soluble	60	62.25 %	Pass
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		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
<b>Product:</b>	Potash 0-0-60				
<b>Sample No:</b>	18N003459				
		Potash, Soluble	60	61.84 %	<b>Pass</b>
<b>Product:</b>	Sulfur				
<b>Sample No:</b>	18N009110				
		Sulfur	85	86.72 %	<b>Pass</b>

<b>Product:</b>	<b>Analyte</b>	<b>Claim</b>	<b>Found Unit</b>	<b>Disposition</b>
UREA (46-0-0)				
<b>Sample No:</b> 18N009288	Nitrogen, Total	46	47.21 %	<b>Pass</b>
<b>Product:</b> Urea 46-0-0				
<b>Sample No:</b> 18N003457	Nitrogen, Total	46	45.72 %	<b>Pass</b>
<b>Manufacturer:</b> Tabor lumber Co.				
<b>Product:</b> AMS 21-0-0-24				
<b>Sample No:</b> 18N003282	Nitrogen, Total	21	21.60 %	<b>Pass</b>
	Sulfur	24	24.65 %	<b>Pass</b>
<b>Product:</b> MAP 11-52-0				
<b>Sample No:</b> 18N003283	Commercial Value	137	142.31	
	Nitrogen, Total	11	12.91 %	<b>Pass</b>
	Overall Index Value	100	103.88 %	<b>Pass</b>
	Phosphate, Available as P2O5	52	51.79 %	<b>Pass</b>
<b>Product:</b> Potash 0-0-60				
<b>Sample No:</b> 18N003284	Potash, Soluble	60	60.48 %	<b>Pass</b>
<b>Product:</b> Urea 46-0-0				
<b>Sample No:</b> 18N003281	Nitrogen, Total	46	47.50 %	<b>Pass</b>
<b>Product:</b> Zinc Sulfate 33%				

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
<b>Sample No:</b>	18N003285	Zinc, Water Soluble	33	30.96 %	<b>Deficient</b>

**Manufacturer:** Tabor Lumber Coop  
**Product:** MAP 11-52-0

<b>Sample No:</b>	18N003556				
		Commercial Value	137	142.68	
		Nitrogen, Total	11	12.58 %	<b>Pass</b>
		Overall Index Value	100	104.14 %	<b>Pass</b>
		Phosphate, Available as P2O5	52	52.46 %	<b>Pass</b>

**Product:** Potash 0-0-60

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
<b>Product:</b>	Urea 46-0-0				
<b>Sample No:</b>	18N003554				
		Nitrogen, Total	46	46.81 %	Pass
<b>Manufacturer:</b>	<b>The Andersons Plant Nutrients</b>				
<b>Product:</b>	Bonus Brown				
<b>Sample No:</b>	18N003254				
		Commercial Value	66	67.54	
		Nitrogen, Total	7.	8.39 %	Pass
		Overall Index Value	100	102.34 %	Pass
		Phosphate, Available as P2O5	20.	16.33 %	Deficient
		Potash, Soluble	5.	9.72 %	Pass
<b>Product:</b>	Bonus Green				
<b>Sample No:</b>	18N003253				
		Commercial Value	66	68.16	
		Nitrogen, Total	7.	7.77 %	Pass
		Overall Index Value	100	103.27 %	Pass
		Phosphate, Available as P2O5	20.	19.58 %	Pass
		Potash, Soluble	5.	5.68 %	Pass
<b>Product:</b>	Bonus Plus				
<b>Sample No:</b>	18N003252				
		Commercial Value	65	68.92	
		Nitrogen, Total	8	8.59 %	Pass
		Overall Index Value	100	106.03 %	Pass
		Phosphate, Available as P2O5	16	16.19 %	Pass
		Potash, Soluble	9	10.77 %	Pass
		Sulfur	1	1.35 %	Pass
		Zinc, Acid Soluble	0.45	0.46 %	Pass
<b>Manufacturer:</b>	<b>The Doggett Corporation</b>				
<b>Product:</b>	Doggett Tree Fertilizer				
<b>Sample No:</b>	18N003342				
		Commercial Value	117	118.91	

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Copper	0.05	0.05 %	Pass
Iron	0.10	0.11 %	Pass
Manganese, Acid Soluble	0.05	0.10 %	Pass
Nitrogen, Total	32	30.22 %	Deficient
Overall Index Value	100	101.63 %	Pass

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Phosphate, Available as P2O5	7	9.03 %	Pass
Potash, Soluble	7	10.19 %	Pass
Zinc, Acid Soluble	0.05	0.05 %	Pass

**Manufacturer: The Espoma Company**  
**Product: Espoma Organic Plant -tone All Pur**

**Sample No: 18N002897**

Calcium	3.	6.92 %	Pass
Commercial Value	24	33.16	
Magnesium, Acid Soluble	1.	1.48 %	Pass
Nitrogen, Total	5.	5.43 %	Pass
Overall Index Value		138.16 %	Pass
Phosphate, Available as P2O5	3.	4.58 %	Pass
Potash, Soluble	3.	7.71 %	Pass
Sulfur	1.	2.87 %	Pass

**Product: Espoma Organic Tomato-tone Toma**

**Sample No: 18N002898**

Calcium	8.	11.33 %	Pass
Commercial Value	23	32.18	
Nitrogen, Total	3.	3.98 %	Pass
Overall Index Value	100	139.92 %	Pass
Phosphate, Available as P2O5	4.	6.72 %	Pass
Potash, Soluble	6.	6.81 %	Pass
Sulfur	3.	4.14 %	Pass

**Manufacturer: The Hawthorne Gardening Co.**  
**Product: ecoscraps tomato & vegetable plant**

**Sample No: 18N010163**

Commercial Value	29	38.81 %	
Nitrogen, Total	5	5.81 %	Pass
Overall Index Value	100	133.84 %	Pass
Phosphate, Available as P2O5	4	6.79 %	Pass
Potash, Soluble	6	7.82 %	Pass

**Manufacturer: Tulare Fertilizer ADM**  
**Product: AMS**

**Sample No: 18N003627**

Nitrogen, Total	21	21.21 %	Pass
Sulfur	24	24.54 %	Pass



		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
<b>Product:</b>	Potash				
<b>Sample No:</b>	18N003626				
		Potash, Soluble	60	58.85 %	Pass
<b>Manufacturer:</b>	Turnis Farm Services				
<b>Product:</b>	10-34-0				
<b>Sample No:</b>	18N003045				
		Commercial Value	78	97.97	
		Nitrogen, Total	10	10.46 %	Pass
		Overall Index Value	100	125.60 %	Pass
		Phosphate, Available as P2O5	24	33.29 %	Pass
<b>Product:</b>	28-0-0				
<b>Sample No:</b>	18N003044				
		Nitrogen, Total	28	30.34 %	Pass
<b>Product:</b>	32-0-0				
<b>Sample No:</b>	18N003046				
		Nitrogen, Total	32	33.14 %	Pass
<b>Manufacturer:</b>	Valley Ag Supply-Gayville				
<b>Product:</b>	28-0-0				
<b>Sample No:</b>	18N003470				
		Nitrogen, Total	28	27.54 %	Pass
<b>Product:</b>	Customer Blend 5.89-27.86-22.29-8				
<b>Sample No:</b>	18N003469				
		Commercial Value	95.68	96.99	
		Nitrogen, Total	5.89	6.24 %	Pass
		Overall Index Value	100	101.37 %	Pass
		Phosphate, Available as P2O5	27.86	27.49 %	Pass
		Potash, Soluble	22.29	23.29 %	Pass
		Sulfur	5.357	8.39 %	Pass
<b>Product:</b>	MAP 11-52-0				
<b>Sample No:</b>	18N003468	Commercial Value Nitrogen, Total	P	e, Available as P2O5	
		Overall Index Value	hosphat	137	

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
11	137.10		Pass		
100	11.01 %	100.07 %		P	ass

**Product:** Potash 0-0-60

**Sample No:** 18N003467

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
<b>Product:</b>	Sulfur	Potash, Soluble	60	62.06 %	Pass
<b>Sample No:</b>	18N003466				
		Sulfur	90	90.60 %	Pass
<b>Manufacturer:</b>	Valley Ag-Spink/Elk Point				
<b>Product:</b>	28-0-0				
<b>Sample No:</b>	18N003394				
		Nitrogen, Total	28	28.95 %	Pass
<b>Product:</b>	AMS (21-0-0-24)				
<b>Sample No:</b>	18N009282				
		Nitrogen, Total	21	21.68 %	Pass
		Sulfur	24	24.54 %	Pass
<b>Product:</b>	Boron				
<b>Sample No:</b>	18N009285				
		Boron, Acid Soluble	14.3	15.43 %	Pass
<b>Product:</b>	Customer Blend				
<b>Sample No:</b>	18N009279				
		Boron, Acid Soluble	0.267	0.26 %	Pass
		Calcium	3.738	3.52 %	Pass
		Commercial Value	69.73	68.84	
		Nitrogen, Total	2.92	2.86 %	Pass
		Overall Index Value	100	98.72 %	Pass
		Phosphate, Available as P2O5	13.91	13.65 %	Pass
		Potash, Soluble	33.15	32.95 %	Pass
<b>Product:</b>	Gypsum				
<b>Sample No:</b>	18N009284				
		Calcium	20	21.06 %	Pass
		Sulfur	16	18.08 %	Pass
<b>Product:</b>	MAP (11-52-0)				
<b>Sample No:</b>	18N009281				
		Commercial Value Nitrogen, Total Overall Index Value	137	100	
		Phosphate, Available as P2O5	11	138.01 %	

		<u>Analyte</u>		<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
11.69 %	<b>Pass</b>	Potash Soluble	<b>Pass</b>	60	62.06 %	<b>Pass</b>

**Product:** Potash (0-0-60)

**Sample No:** 18N009283

		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
<b>Product:</b>	Urea (46-0-0)	Potash, Soluble	60	58.80 %	<b>Pass</b>
<b>Sample No:</b>	18N009280				
		Nitrogen, Total	46	46.73 %	<b>Pass</b>
<b>Manufacturer:</b>	Van Diest				
<b>Product:</b>	Sulfur				
<b>Sample No:</b>	18N003330				
		Sulfur	90	89.61 %	<b>Pass</b>
<b>Manufacturer:</b>	Volga Ag Center				
<b>Product:</b>	Custom Blend Fertilizer				
<b>Sample No:</b>	18N003125				
		Nitrogen, Total	37	43.30 %	<b>Pass</b>
<b>Sample No:</b>	18N003127	Sulfur	8	5.97 %	<b>Deficient</b>
		Commercial Value	83	92.57	
		Nitrogen, Total	3	4.96 %	<b>Pass</b>
		Overall Index Value	100	111.53 %	<b>Pass</b>
		Phosphate, Available as P2O5	18	19.91 %	<b>Pass</b>
<b>Sample No:</b>	18N003133	Potash, Soluble	38	37.86 %	<b>Pass</b>
		Commercial Value	118	131.96	
		Nitrogen, Total	32	35.62 %	<b>Pass</b>
		Overall Index Value	100	111.83 %	<b>Pass</b>
		Phosphate, Available as P2O5	8	9.58 %	<b>Pass</b>
		Potash, Soluble	6	5.94 %	<b>Pass</b>
		Sulfur	2	2.26 %	<b>Pass</b>
<b>Product:</b>	Custom Fertilizer Blend				
<b>Sample No:</b>	18N003126				
		Commercial Value	83	87.45	
		Nitrogen, Total	3	4.32 %	<b>Pass</b>
		Overall Index Value	100	105.36 %	<b>Pass</b>
		Phosphate, Available as P2O5	18	17.34 %	<b>Pass</b>
<b>Sample No:</b>	18N003134	Potash, Soluble	38	39.80 %	<b>Pass</b>
		Commercial Value	118	133.67	
		Nitrogen, Total	32	37.48 %	<b>Pass</b>

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Overall Index Value	100	113.28 %	Pass
Phosphate, Available as P2O5	8	7.64 %	Pass
Potash, Soluble	6	5.94 %	Pass
Sulfur	2	2.97 %	Pass

**Manufacturer:** Voluntary Purchasing Groups,  
**Product:** Acid Lovin Plant Food

**Sample No:** 18N000942

Commercial Value	115		
Iron	0.10	%	
Nitrogen, Total	31.	32.12 %	Pass
Overall Index Value	100	%	
Phosphate, Available as P2O5	11.	%	
Potash, Soluble	0.10	%	

**Product:** Ferti Lome

**Sample No:** 18N003039

Commercial Value	120	129.05	
Nitrogen, Total	20	20.32 %	Pass
Overall Index Value	100	107.54 %	Pass
Phosphate, Available as P2O5	20	20.51 %	Pass
Potash, Soluble	20	27.07 %	Pass

**Product:** Ferti Lome Acid

**Sample No:** 18N003040

Commercial Value	126	131.97	
Iron	.10	0.12 %	Pass
Nitrogen, Total	31	32.00 %	Pass
Overall Index Value	100	104.74 %	Pass
Phosphate, Available as P2O5	11	12.50 %	Pass
Potash, Soluble	11	10.99 %	Pass

**Product:** Ferti-lome Acid Loving Plant Food

**Sample No:** 18N006614

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Commercial Value	126	126.09	
Iron	0.10	0.13 %	<b>Pass</b>
Nitrogen, Total	31.	30.87 %	<b>Pass</b>
Overall Index Value	100	100.07 %	<b>Pass</b>
Phosphate, Available as P2O5	11.	11.49 %	<b>Pass</b>
Potash, Soluble	11.	10.50 %	<b>Pass</b>

<b>Product:</b>		<b>Analyte</b>	<b>Claim</b>	<b>Found Unit</b>	<b>Disposition</b>
<b>Product:</b>	Fertilome Blooming and Rooting				
<b>Sample No:</b>	18N003043				
		Commercial Value	151	154.50	
		Nitrogen, Total	9	9.86 %	Pass
		Overall Index Value	100	102.32 %	Pass
		Phosphate, Available as P2O5	58	57.48 %	Pass
		Potash, Soluble	8	9.96 %	Pass
<b>Manufacturer:</b>	West Central-Willmar				
<b>Product:</b>	7-23-3				
<b>Sample No:</b>	18N003617				
		Commercial Value	70	71.75	
		Nitrogen, Total	7	7.05 %	Pass
		Overall Index Value	100	102.50 %	Pass
		Phosphate, Available as P2O5	23	23.54 %	Pass
		Potash, Soluble	3	3.54 %	Pass
<b>Product:</b>	Ammend EDTA Zinc				
<b>Sample No:</b>	18N003619				
		Nitrogen, Total	8	7.76 %	Pass
		Zinc, Acid Soluble	9	8.52 %	Pass
<b>Product:</b>	AMS				
<b>Sample No:</b>	18N003201				
		Nitrogen, Total	21	21.98 %	Pass
		Sulfur	24	24.43 %	Pass
<b>Product:</b>	DAP 18-46-0				
<b>Sample No:</b>	18N003487				
		Commercial Value	146		
		Nitrogen, Total	18	%	
		Overall Index Value	100	%	
		Phosphate, Available as P2O5	46	%	
<b>Product:</b>	Potash				



		<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
<b>Sample No:</b>	18N003199	Potash, Soluble	60	61.28 %	<b>Pass</b>
<b>Sample No:</b>	18N003590	Potash, Soluble	60	58.74 %	<b>Pass</b>
<b>Product:</b>	Red Line				
<b>Sample No:</b>	18N003618				

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Commercial Value	44	43.91	
Copper	0.05	0.02 %	Deficient
Iron	0.10	0.12 %	Pass
Manganese, Acid Soluble	0.05	0.04 %	Pass
Nitrogen, Total	6.	5.83 %	Pass
Overall Index Value	100	99.81 %	Pass
Phosphate, Available as P2O5	12.	12.29 %	Pass
Potash, Soluble	2.	1.84 %	Pass
Zinc, Acid Soluble	1.	0.73 %	Deficient

**Manufacturer:** Winfield Solutions, LLC-Kansa

**Product:** Optistart 6-20-5+2S+.05 Mn+.1 Zn

**Sample No:** 18N003336

Commercial Value	63	66.87	
Manganese, Acid Soluble	.05	0.05 %	Pass
Nitrogen, Total	6	6.62 %	Pass
Overall Index Value	100	106.14 %	Pass
Phosphate, Available as P2O5	20	20.72 %	Pass
Potash, Soluble	5	5.57 %	Pass
Sulfur	2	2.62 %	Pass
Zinc, Acid Soluble	.1	0.09 %	Pass

**Manufacturer:** Yankton Ag Service, Inc.

**Product:** AMS 21-0-0-24

**Sample No:** 18N003566

Nitrogen, Total	21	20.90 %	Pass
Sulfur	24	23.28 %	Pass

**Product:** MAP 11-52-0

**Sample No:** 18N003563

Commercial Value	137	144.62	
Nitrogen, Total	11	11.98 %	Pass
Overall Index Value	100	105.56 %	Pass
Phosphate, Available as P2O5	52	54.34 %	Pass

**Product:** Potash 0-0-60

**Sample No:** 18N003565

<u>Analyte</u>	<u>Claim</u>	<u>Found Unit</u>	<u>Disposition</u>
Potash, Soluble	60	51.28 %	Deficient
Potash, Soluble (STPB)	60	50.28 %	Deficient

**Product:** Urea 46-0-0

**Sample No:** 18N003564

Nitrogen, Total	46	45.76 %	Pass
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Analyte

Claim

Found Unit

Disposition

Performed By:



Collected By:  
Division of Agricultural Services  
Foss Building 523 E. Capitol  
Pierre, SD 57501-3182  
Phone: (605) 773-3724  
Fax: (605) 773-3481

2018 Fertilizer Analyte Totals

Boron, Acid Soluble	%		11.00
Calcium	%		9.00
Commercial Value	%		13.00
Commercial Value			221.00
Commercial Value (STPB)			9.00
Copper	%		9.00
Iron	%		25.00
Magnesium, Acid Soluble	%		2.00
Magnesium, Water Soluble	%		3.00
Manganese, Acid Soluble	%		11.00
Nitrogen, Total	%		401.00
Overall Index Value (STPB)	%		10.00
Overall Index Value			234.00
Phosphate, Available as P205	%		12.00

<u>Analyte</u>	<u>Unit</u>	<u>Count</u>
Phosphate, Available as P2O5	%	155.00
Phosphate, Available as P2O5	%	54.00
Potash, Soluble	%	164.00
Potash, Soluble (STPB)	%	11.00
Sulfur	%	145.00
Zinc	%	1.00
Zinc, Acid Soluble	%	56.00
Zinc, Water Soluble	%	3.00
Total Fertilizer Analyses:		1,559.00

SINGLE-NUTRIENT FERTILIZER SUMMARY

GRADE			TOTAL	BAG	BULK	LIQUID
<b>NITROGEN</b>						
0.05-0-	0	- IDENT. BY GRADE	6.51	6.51	0.00	0.00
1-0-0	0	- IDENT. BY GRADE	35.22	18.20	0.00	17.02
2-0-0	0	- IDENT. BY GRADE	208.11	50.96	0.00	157.15
2.5-0-0	0	- IDENT. BY GRADE	4.00	0.00	0.00	4.00
3-0-0	0	- IDENT. BY GRADE	3.00	2.00	0.00	1.00
4-0-0	0	- IDENT. BY GRADE	31.26	0.00	0.00	31.26
5-0-0	0	- IDENT. BY GRADE	1.73	0.00	0.00	1.73
6-0-0	0	- IDENT. BY GRADE	105.72	0.20	99.66	5.86
6-0-0	25	- AMM SUL SOLUTION	12.15	12.15	0.00	0.00
7-0-0	0	- IDENT. BY GRADE	210.25	3.00	0.00	207.25
7.8-0-0	0	- IDENT. BY GRADE	8.93	0.00	0.00	8.93
8-0-0	0	- IDENT. BY GRADE	35.39	0.00	0.00	35.39
9-0-0	0	- IDENT. BY GRADE	25.00	0.00	0.00	25.00
10-0-0	0	- IDENT. BY GRADE	6.82	0.00	0.00	6.82
11-0-0	0	- IDENT. BY GRADE	3,790.78	18.70	534.24	3,236.40
12-0-0	31	- AMMONIUM THIOSUL	297.03	0.00	50.00	247.03
12-0-0	0	- IDENT. BY GRADE	4,325.14	1.26	2,724.32	1599.56
13-0-0	0	- IDENT. BY GRADE	13.37	0.00	7.21	6.16
15-0-0	0	- IDENT. BY GRADE	1,604.64	20.10	0.00	1,584.54
15.5-0-	43	- CALCIUM NITRATE	1.37	0.00	0.00	1.37
16-0-0	0	- IDENT. BY GRADE	10.00	10.00	0.00	0.00
17-0-0	0	- IDENT. BY GRADE	68.20	68.20	0.00	0.00
18-0-0	0	- IDENT. BY GRADE	69.05	69.00	0.00	0.05
20-0-0	0	- IDENT. BY GRADE	333.03	14.63	0.00	318.40

SINGLE-NUTRIENT FERTILIZER SUMMARY

GRADE	TOTAL	CONTAINER			USE	
		BAG	BULK	LIQUID	FARM	NONFARM
0-1-0.5	21.00	0.00	0.00	21.00	21.00	0.00
0-1-1	1.38	0.00	0.00	1.38	1.38	0.00
0-7-6	340.57	0.00	340.57	0.00	<del>340.57</del>	<del>0.00</del>
0-8.5-1	50.50	0.00	50.50	0.00	50.50	0.00
0-9-6	1.00	0.00	0.00	1.00	1.00	0.00
0-9-18	155.25	0.00	0.00	155.25	155.25	0.00
0-10-10	0.17	0.00	0.00	0.17	0.17	0.00
0-25-12	6.16	0.00	0.00	6.16	6.16	0.00
0-52-34	16.42	10.50	5.92	0.00	16.42	0.00
0-60-20	5.80	5.80	0.00	0.00	5.80	0.00
0.02-0.02-0.0	0.51	0.00	0.00	0.51	0.51	0.00
0.03-0.01-0.0	14.93	14.93	0.00	0.00	14.93	0.00
0.038-0.026-	0.09	0.09	0.00	0.00	0.09	0.00
0.05-0.02-0.0	4.20	4.20	0.00	0.00	4.20	0.00
0.05-0.04-0.0	5.40	5.40	0.00	0.00	5.40	0.00
0.05-0.05-0.0	6.00	6.00	0.00	0.00	6.00	0.00
0.06-0.02-0.0	11.71	11.71	0.00	0.00	11.71	0.00
0.07-0.04-0.0	4.04	4.04	0.00	0.00	4.04	0.00
0.07-0.07-0.0	1.40	1.40	0.00	0.00	1.40	0.00
0.08-0.03-0.0	135.36	135.36	0.00	0.00	135.36	0.00
0.09-0.05-0.0	750.18	750.18	0.00	0.00	750.18	0.00
0.09-0.08-0.0	73.45	73.45	0.00	0.00	73.45	0.00
0.1-0-57.7	9.93	0.00	9.93	0.00	9.93	0.00
0.1-0.05-0.05	2.51	2.51	0.00	0.00	2.51	0.00
0.1-0.06-0.13	2.70	2.70	0.00	0.00	2.70	0.00
0.1-0.09-0.07	3.00	3.00	0.00	0.00	3.00	0.00
0.11-0.07-0.1	17.29	17.29	0.00	0.00	17.29	0.00
0.12-0.1-0.12	3.75	3.75	0.00	0.00	3.75	0.00
0.15-0.15-0.1	100.90	100.90	0.00	0.00	100.90	0.00
0.17-0.05-0.1	0.83	0.83	0.00	0.00	0.83	0.00
0.18-0.1-0.12	4.52	4.52	0.00	0.00	4.52	0.00
0.18-10-0.12	1.23	1.23	0.00	0.00	1.23	0.00
0.19-0.11-0.1	3.39	3.39	0.00	0.00	3.39	0.00
0.21-0.11-0.1	1,420.43	1,420.43	0.00	0.00	1,420.43	0.00
0.3-0.05-0.1	6.13	6.13	0.00	0.00	6.13	0.00

GRADE	TOTAL	BAG	BULK	LIQUID
20.2-0- 0 - IDENT. BY GRADE	21,774.94	0.00	21,774.94	0.00
21-0-0 0 - IDENT. BY GRADE	96.42	55.20	0.00	41.22
21-0-0 24 - AMMONIUM SULFATE	44,571.17	1,208.71	43,293.61	168.85
23.8-0- 0 - IDENT. BY GRADE	3.84	0.00	3.84	0.00
24-0-0 0 - IDENT. BY GRADE	152.00	0.00	0.00	152.00
25-0-0 0 - IDENT. BY GRADE	1,612.20	0.00	23.63	1,588.57
26-0-0 0 - IDENT. BY GRADE	34.12	0.00	0.00	34.12
27-0-0 0 - IDENT. BY GRADE	12,152.50	0.00	0.00	12,152.50
27.9-0- 0 - IDENT. BY GRADE	16.02	0.00	16.02	0.00
28-0-0 0 - IDENT. BY GRADE	12.00	0.00	0.00	12.00
28-0-0 58 - NITROGEN SOL 28%	223,143.10	0.00	107.94	223,035.16
30-0-0 0 - IDENT. BY GRADE	199.00	0.00	125.00	74.00
30-0-0 59 - NITROGEN SOL 30%	6.00	0.00	0.00	6.00
30.9-0- 0 - IDENT. BY GRADE	9.98	0.00	9.98	0.00
31-0-0 0 - IDENT. BY GRADE	9.10	9.10	0.00	0.00
31.5-0- 0 - IDENT. BY GRADE	16.72	0.00	16.72	0.00
31.9-0- 0 - IDENT. BY GRADE	50.05	0.00	50.05	0.00
32-0-0 60 - NITROGEN SOL 32%	162,543.72	0.00	0.00	162,543.72
33.6-0- 0 - IDENT. BY GRADE	2.06	0.00	2.06	0.00
33.8-0- 0 - IDENT. BY GRADE	2.64	0.00	2.64	0.00
34-0-0 61 - NITROGEN SOL >32%	595.00	0.00	595.00	0.00
34-0-0 0 - IDENT. BY GRADE	8.10	0.03	8.07	0.00
34.6-0- 0 - IDENT. BY GRADE	778.75	0.00	778.75	0.00
34.8-0- 0 - IDENT. BY GRADE	1.95	0.00	1.95	0.00
35.3-0- 0 - IDENT. BY GRADE	18.42	0.00	18.42	0.00
35.6-0- 0 - IDENT. BY GRADE	135.72	0.00	135.72	0.00



GRADE	TOTAL	BAG	BULK	LIQUID
35.9-0- 0 - IDENT. BY GRADE	53.57	0.00	53.57	0.00
36-0-0 0 - IDENT. BY GRADE	11.25	0.00	11.25	0.00
36.1-0- 0 - IDENT. BY GRADE	4.43	0.00	4.43	0.00
36.2-0- 0 - IDENT. BY GRADE	6.20	0.00	6.20	0.00
36.3-0- 0 - IDENT. BY GRADE	40.86	0.00	40.86	0.00
36.4-0- 0 - IDENT. BY GRADE	68.66	0.00	68.66	0.00
36.5-0- 0 - IDENT. BY GRADE	60.75	0.00	60.75	0.00
37.4-0- 0 - IDENT. BY GRADE	212.39	0.00	212.39	0.00
37.5-0- 0 - IDENT. BY GRADE	3.52	0.00	3.52	0.00
37.9-0- 0 - IDENT. BY GRADE	69.95	0.00	69.95	0.00
38.1-0- 0 - IDENT. BY GRADE	75.68	0.00	75.68	0.00
38.2-0- 0 - IDENT. BY GRADE	13.82	0.00	13.82	0.00
38.4-0- 0 - IDENT. BY GRADE	12.08	0.00	12.08	0.00
38.5-0- 0 - IDENT. BY GRADE	66.49	0.00	66.49	0.00
38.7-0- 0 - IDENT. BY GRADE	69.52	0.00	69.52	0.00
38.8-0- 0 - IDENT. BY GRADE	35.13	0.00	35.13	0.00
39.1-0- 0 - IDENT. BY GRADE	660.36	0.00	660.36	0.00
39.2-0- 0 - IDENT. BY GRADE	61.86	0.00	61.86	0.00
39.6-0- 0 - IDENT. BY GRADE	62.38	0.00	62.38	0.00
39.8-0- 0 - IDENT. BY GRADE	114.31	0.00	114.31	0.00
39.9-0- 0 - IDENT. BY GRADE	114.69	0.00	114.69	0.00
40-0-0 0 - IDENT. BY GRADE	2,068.00	0.00	2,068.00	0.00
40.2-0- 0 - IDENT. BY GRADE	4.30	0.00	4.30	0.00
40.3-0- 0 - IDENT. BY GRADE	9.34	0.00	9.34	0.00
40.7-0- 0 - IDENT. BY GRADE	1,059.48	0.00	1,059.48	0.00
40.8-0- 0 - IDENT. BY GRADE	227.89	0.00	227.89	0.00

GRADE	TOTAL	BAG	BULK	LIQUID
40.9-0- 0 - IDENT. BY GRADE	11.41	0.00	11.41	0.00
41.1-0- 0 - IDENT. BY GRADE	95.10	0.00	95.10	0.00
41.2-0- 0 - IDENT. BY GRADE	58.06	0.00	58.06	0.00
41.3-0- 0 - IDENT. BY GRADE	259.56	0.00	259.56	0.00
41.68-0 0 - IDENT. BY GRADE	4.07	0.00	4.07	0.00
41.7-0- 0 - IDENT. BY GRADE	12.86	0.00	12.86	0.00
41.8-0- 0 - IDENT. BY GRADE	79.31	0.00	79.31	0.00
42-0-0 0 - IDENT. BY GRADE	654.00	0.00	654.00	0.00
42.3-0- 0 - IDENT. BY GRADE	75.32	0.00	75.32	0.00
42.6-0- 0 - IDENT. BY GRADE	77.12	0.00	77.12	0.00
42.7-0- 0 - IDENT. BY GRADE	27.95	0.00	27.95	0.00
42.8-0- 0 - IDENT. BY GRADE	89.37	0.00	89.37	0.00
43.1-0- 0 - IDENT. BY GRADE	1.08	0.00	1.08	0.00
43.2-0- 0 - IDENT. BY GRADE	5.21	0.00	5.21	0.00
43.7-0- 0 - IDENT. BY GRADE	74.61	0.00	74.61	0.00
44-0-0 0 - IDENT. BY GRADE	2,640.37	0.00	2,640.37	0.00
44.5-0- 0 - IDENT. BY GRADE	27.32	0.00	27.32	0.00
45.5-0- 0 - IDENT. BY GRADE	394.95	0.00	394.95	0.00
46-0-0 66 - UREA	790,384.11	82,746.46	684,796.92	7.36
82-0-0 2 - ANHY AMMONIA	15,540.07	105.21	77.81	15,357.05
82-0-0 0 - IDENT. BY GRADE	360.23	0.00	360.23	0.00

691,170.56	43,037.50	420,774.34	227,358.72
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**PHOSPHATE**

0-0-0 297 - PHOS NO CODE	159.09	159.09	0.00	0.00
0-3-0 0 - IDENT. BY GRADE	1.89	0.00	1.89	0.00

GRAD E		TOTAL	BAG	BULK	LIQUID
0-54-0	248 - PHOS ACID	1,189.52	0.00	0.00	1,189.52
0-68-0	273 - SUPER PHOS ACD	8,073.54	0.00	0.00	8,073.54

9,424.86	159.16	1.89	9,263.81
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**POTASH**

0-0-2	0	- IDENT. BY GRADE	58.65	0.00	0.00	58.65
0-0-4	0	- IDENT. BY GRADE	50.08	0.00	0.00	50.08
0-0-10	408	- LIME-POT MIXTURES	9.14	0.00	9.14	0.00
0-0-19	0	- IDENT. BY GRADE	21.97	0.00	0.00	21.97
0-0-20	0	- IDENT. BY GRADE	5.00	0.00	0.00	5.00
0-0-21	0	- IDENT. BY GRADE	983.80	457.77	470.64	55.39
0-0-22	443	- POT-MAG SULFATE	27.80	11.10	16.70	0.00
0-0-22	0	- IDENT. BY GRADE	61.18	0.00	61.18	0.00
0-0-23	0	- IDENT. BY GRADE	2.21	0.00	0.00	2.21
0-0-24	0	- IDENT. BY GRADE	3.17	0.00	0.00	3.17
0-0-25	0	- IDENT. BY GRADE	217.27	0.00	33.94	183.33
0-0-30	0	- IDENT. BY GRADE	13.12	0.00	0.00	13.12
0-0-50	0	- IDENT. BY GRADE	1.95	0.00	1.95	0.00
0-0-50	463	- POT SULFATE	2.40	2.40	0.00	0.00
0-0-52	0	- IDENT. BY GRADE	3.10	3.10	0.00	0.00
0-0-52.	0	- IDENT. BY GRADE	2.17	0.00	2.17	0.00
0-0-53	0	- IDENT. BY GRADE	2,020.00	216.00	902.00	0.00
0-0-54	0	- IDENT. BY GRADE	5.60	0.00	5.60	0.00
0-0-55.	0	- IDENT. BY GRADE	2.24	0.00	2.24	0.00
0-0-58	0	- IDENT. BY GRADE	1,019.76	351.67	668.09	0.00
0-0-59	0	- IDENT. BY GRADE	396.06	0.00	396.06	0.00

SINGLE-NUTRIENT FERTILIZER SUMMARY

From January, 2018 To December, 2018

GRADE	TOTAL	BAG	BULK	LIQUID
0-0-60 0 - IDENT. BY GRADE	4,279.34	0.05	4,279.29	0.00
0-0-60 428 - MUR OF POT 60%	86,235.52	1,683.58	84,551.94	0.00
0-0-62 430 - MUR OF POT 62%	687.63	0.00	687.63	0.00
	95,100.49	2,618.91	92,088.57	393.01

TOTALS	795,695.91	45,815.58	512,864.80	237,015.54
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GRADE	TOTAL	BAG	BULK	LIQUID	FARM	NONFARM
0.3-0.12-0.12	34.27	34.27	0.00	0.00	34.27	0.00
0.5-0.09-0.25	21.78	21.78	0.00	0.00	21.78	0.00
0.5-0.5-4.5	0.73	0.00	0.00	0.73	0.73	0.00
0.5-1-0.5	0.01	0.01	0.00	0.00	0.01	0.00
0.5-1-1	0.05	0.05	0.00	0.00	0.05	0.00
1-0-3	128.16	0.00	0.00	128.16	128.16	0.00
1-0.03-0.05	2.94	2.94	0.00	0.00	2.94	0.00
1-0.5-5	0.15	0.15	0.00	0.00	0.15	0.00
1-1-1	1.39	0.11	0.40	0.88	1.39	0.00
1-2-1	0.11	0.00	0.00	0.11	0.11	0.00
2-0-3	0.87	0.00	0.00	0.87	0.87	0.00
2-0-10	216.00	0.00	0.00	216.00	216.00	0.00
2-0-16	0.11	0.00	0.00	0.11	0.11	0.00
2-1-1	0.03	0.01	0.00	0.02	0.03	0.00
2-1-6	424.00	0.00	0.00	424.00	424.00	0.00
2-4-0	0.36	0.00	0.00	0.36	0.36	0.00
2-4-2	0.05	0.05	0.00	0.00	0.05	0.00
2-5-2	45.10	0.00	0.00	45.10	45.10	0.00
2-6-3	7.00	7.00	0.00	0.00	7.00	0.00
2-10-0	0.35	0.35	0.00	0.00	0.35	0.00
2-15-10	10.98	0.00	10.98	0.00	10.98	0.00
2-15-19	115.77	0.00	0.00	115.77	115.77	0.00
2-16-14	481.00	481.00	0.00	0.00	481.00	0.00
2-20-2	2.00	2.00	0.00	0.00	2.00	0.00
2-20-15	0.03	0.00	0.00	0.03	0.03	0.00
2-40-28	1.00	1.00	0.00	0.00	1.00	0.00
2.1-5.76-4.68	57.51	0.00	57.51	0.00	57.51	0.00
3-0-1	11.78	0.00	0.00	11.78	11.78	0.00
3-0-3	19.80	0.00	0.00	19.80	19.80	0.00
3-0-8	23.58	0.00	0.00	23.58	23.58	0.00
3-0-20	0.73	0.00	0.00	0.73	0.73	0.00
3-1-0	19.53	19.53	0.00	0.00	19.53	0.00
3-1-1	0.97	0.97	0.00	0.00	0.97	0.00
3-3-3	6.87	6.87	0.00	0.00	6.87	0.00
3-3-8	31.60	0.00	31.60	0.00	31.60	0.00
3-3-9	6.73	0.00	0.00	6.73	6.73	0.00

**SINGLE-NUTRIENT FERTILIZER SUMMARY**

**From January, 2018 To December, 2018**

GRADE		TOTAL	BAG	BULK	LIQUID
0-0-60	0 - IDENT. BY GRADE	4,279.34	0.05	4,279.29	0.00
0-0-60	428 - MUR OF POT 60%	172,471.06	3,367.16	169,103.88	0.00
0-0-62	430 - MUR OF POT 62%	687.63	0.00	687.63	0.00
		95,100.49	2,618.91	92,088.57	393.01
<b>TOTALS</b>		<b>1,458,614.82</b>	<b>45,815.58</b>	<b>512,864.80</b>	<b>237,015.54</b>

## MULTIPLE-NUTRIENT FERTILIZER SUMMARY

From January, 2018 To December, 2018

GRADE	TOTAL	CONTAINER			USE	
		BAG	BULK	LIQUID	FARM	NONFARM
0-1-0.5	21.00	0.00	0.00	21.00	21.00	0.00
0-1-1	1.38	0.00	0.00	1.38	1.38	0.00
0-7-6	340.57	0.00	340.57	0.00	340.57	0.00
0-8.5-1	50.50	0.00	50.50	0.00	50.50	0.00
0-9-6	1.00	0.00	0.00	1.00	1.00	0.00
0-9-18	155.25	0.00	0.00	155.25	155.25	0.00
0-10-10	0.17	0.00	0.00	0.17	0.17	0.00
0-25-12	6.16	0.00	0.00	6.16	6.16	0.00
0-52-34	16.42	10.50	5.92	0.00	16.42	0.00
0-60-20	5.80	5.80	0.00	0.00	5.80	0.00
0.02-0.02-0.0	0.51	0.00	0.00	0.51	0.51	0.00
0.03-0.01-0.0	14.93	14.93	0.00	0.00	14.93	0.00
0.038-0.026-	0.09	0.09	0.00	0.00	0.09	0.00
0.05-0.02-0.0	4.20	4.20	0.00	0.00	4.20	0.00
0.05-0.04-0.0	5.40	5.40	0.00	0.00	5.40	0.00
0.05-0.05-0.0	6.00	6.00	0.00	0.00	6.00	0.00
0.06-0.02-0.0	11.71	11.71	0.00	0.00	11.71	0.00
0.07-0.04-0.0	4.04	4.04	0.00	0.00	4.04	0.00
0.07-0.07-0.0	1.40	1.40	0.00	0.00	1.40	0.00
0.08-0.03-0.0	135.36	135.36	0.00	0.00	135.36	0.00
0.09-0.05-0.0	750.18	750.18	0.00	0.00	750.18	0.00
0.09-0.08-0.0	73.45	73.45	0.00	0.00	73.45	0.00
0.1-0-57.7	9.93	0.00	9.93	0.00	9.93	0.00
0.1-0.05-0.05	2.51	2.51	0.00	0.00	2.51	0.00
0.1-0.06-0.13	2.70	2.70	0.00	0.00	2.70	0.00
0.1-0.09-0.07	3.00	3.00	0.00	0.00	3.00	0.00
0.11-0.07-0.1	17.29	17.29	0.00	0.00	17.29	0.00
0.12-0.1-0.12	3.75	3.75	0.00	0.00	3.75	0.00
0.15-0.15-0.1	100.90	100.90	0.00	0.00	100.90	0.00
0.17-0.05-0.1	0.83	0.83	0.00	0.00	0.83	0.00
0.18-0.1-0.12	4.52	4.52	0.00	0.00	4.52	0.00
0.18-10-0.12	1.23	1.23	0.00	0.00	1.23	0.00
0.19-0.11-0.1	3.39	3.39	0.00	0.00	3.39	0.00
0.21-0.11-0.1	1,420.43	1,420.43	0.00	0.00	1,420.43	0.00
0.3-0.05-0.1	6.13	6.13	0.00	0.00	6.13	0.00

## MULTIPLE-NUTRIENT FERTILIZER SUMMARY

From January, 2018 To December, 2018

GRADE	TOTAL	BAG	BULK	LIQUID	FARM	NONFARM
0.3-0.12-0.12	34.27	34.27	0.00	0.00	34.27	0.00
0.5-0.09-0.25	21.78	21.78	0.00	0.00	21.78	0.00
0.5-0.5-4.5	0.73	0.00	0.00	0.73	0.73	0.00
0.5-1-0.5	0.01	0.01	0.00	0.00	0.01	0.00
0.5-1-1	0.05	0.05	0.00	0.00	0.05	0.00
1-0-3	128.16	0.00	0.00	128.16	128.16	0.00
1-0.03-0.05	2.94	2.94	0.00	0.00	2.94	0.00
1-0.5-5	0.15	0.15	0.00	0.00	0.15	0.00
1-1-1	1.39	0.11	0.40	0.88	1.39	0.00
1-2-1	0.11	0.00	0.00	0.11	0.11	0.00
2-0-3	0.87	0.00	0.00	0.87	0.87	0.00
2-0-10	216.00	0.00	0.00	216.00	216.00	0.00
2-0-16	0.11	0.00	0.00	0.11	0.11	0.00
2-1-1	0.03	0.01	0.00	0.02	0.03	0.00
2-1-6	424.00	0.00	0.00	424.00	424.00	0.00
2-4-0	0.36	0.00	0.00	0.36	0.36	0.00
2-4-2	0.05	0.05	0.00	0.00	0.05	0.00
2-5-2	45.10	0.00	0.00	45.10	45.10	0.00
2-6-3	7.00	7.00	0.00	0.00	7.00	0.00
2-10-0	0.35	0.35	0.00	0.00	0.35	0.00
2-15-10	10.98	0.00	10.98	0.00	10.98	0.00
2-15-19	115.77	0.00	0.00	115.77	115.77	0.00
2-16-14	481.00	481.00	0.00	0.00	481.00	0.00
2-20-2	2.00	2.00	0.00	0.00	2.00	0.00
2-20-15	0.03	0.00	0.00	0.03	0.03	0.00
2-40-28	1.00	1.00	0.00	0.00	1.00	0.00
2.1-5.76-4.68	57.51	0.00	57.51	0.00	57.51	0.00
3-0-1	11.78	0.00	0.00	11.78	11.78	0.00
3-0-3	19.80	0.00	0.00	19.80	19.80	0.00
3-0-8	23.58	0.00	0.00	23.58	23.58	0.00
3-0-20	0.73	0.00	0.00	0.73	0.73	0.00
3-1-0	19.53	19.53	0.00	0.00	19.53	0.00
3-1-1	0.97	0.97	0.00	0.00	0.97	0.00
3-3-3	6.87	6.87	0.00	0.00	6.87	0.00
3-3-8	31.60	0.00	31.60	0.00	31.60	0.00
3-3-9	6.73	0.00	0.00	6.73	6.73	0.00



## MULTIPLE-NUTRIENT FERTILIZER SUMMARY

From January, 2018 To December, 2018

GRADE	TOTAL	CONTAINER			USE	
		BAG	BULK	LIQUID	FARM	NONFARM
3-4-2	0.06	0.06	0.00	0.00	0.06	0.00
3-4-3	0.01	0.01	0.00	0.00	0.01	0.00
3-7-4	0.07	0.07	0.00	0.00	0.07	0.00
3-10-1	0.03	0.00	0.00	0.03	0.03	0.00
3-10-3	0.30	0.00	0.00	0.30	0.30	0.00
3-14-14	95.37	0.00	0.00	95.37	95.37	0.00
3-15-0	1,736.00	0.00	1,736.00	0.00	1,736.00	0.00
3-18-18	414.66	0.00	0.00	414.66	414.66	0.00
3.1-15.5-41.4	2.54	0.00	2.54	0.00	2.54	0.00
3.19-8.48-5	44.34	0.00	44.34	0.00	44.34	0.00
3.2-10.5-15.8	203.62	0.00	203.62	0.00	203.62	0.00
3.4-16.98-38.	2.16	0.00	2.16	0.00	2.16	0.00
3.4-17.2-20.7	2.51	0.00	2.51	0.00	2.51	0.00
3.7-18.6-37.3	7.98	0.00	7.98	0.00	7.98	0.00
3.79-18.94-3	3.23	0.00	3.23	0.00	3.23	0.00
3.9-19.6-33.8	15.72	0.00	15.72	0.00	15.72	0.00
4-0-3	1,024.40	0.00	12.03	1,012.37	1,024.40	0.00
4-0-5	114.23	0.00	0.00	114.23	114.23	0.00
4-2-6	1.00	1.00	0.00	0.00	1.00	0.00
4-3-2	2,393.57	0.00	2,393.57	0.00	2,393.57	0.00
4-4-4	468.00	0.00	468.00	0.00	468.00	0.00
4-4-5	0.38	0.00	0.00	0.38	0.38	0.00
4-6-3	0.02	0.02	0.00	0.00	0.02	0.00
4-6-4	326.00	151.00	175.00	0.00	326.00	0.00
4-6-6	0.02	0.02	0.00	0.00	0.02	0.00
4-7-4	1.10	1.10	0.00	0.00	1.10	0.00
4-10-3	0.75	0.00	0.00	0.75	0.75	0.00
4-10-10	37.18	0.00	7.22	29.96	37.18	0.00
4-12-4	1.45	1.45	0.00	0.00	1.45	0.00
4-13-17	233.07	0.00	0.00	233.07	233.07	0.00
4.1-19.4-37.3	1.90	0.00	1.90	0.00	1.90	0.00
4.1-20.3-35.6	7.95	0.00	7.95	0.00	7.95	0.00
4.13-10.68-1	4.48	0.00	4.48	0.00	4.48	0.00
4.2-21.1-34.3	9.60	0.00	9.60	0.00	9.60	0.00
4.29-7.71-8.9	42.54	0.00	42.54	0.00	42.54	0.00
4.3-21.3-34.1	14.00	0.00	14.00	0.00	14.00	0.00

## MULTIPLE-NUTRIENT FERTILIZER SUMMARY

From January, 2018 To December, 2018

GRADE	TOTAL	BAG	BULK	LIQUID	FARM	NONFARM
4.32-20.44-3	4.91	0.00	4.91	0.00	4.91	0.00
4.4-21.9-33.8	3.61	0.00	3.61	0.00	3.61	0.00
4.4-22.1-33.2	5.15	0.00	5.15	0.00	5.15	0.00
4.5-22.4-33.2	11.01	0.00	11.01	0.00	11.01	0.00
4.5-22.4-33.6	4.82	0.00	4.82	0.00	4.82	0.00
4.61-16.12-3	21.92	0.00	21.92	0.00	21.92	0.00
4.7-22.3-25.7	39.91	0.00	39.91	0.00	39.91	0.00
4.9-16.2-32.9	1.71	0.00	1.71	0.00	1.71	0.00
4.9-24.5-28	8.35	0.00	8.35	0.00	8.35	0.00
4.9-24.5-30.6	22.69	0.00	22.69	0.00	22.69	0.00
4.92-16.39-3	61.94	0.00	61.94	0.00	61.94	0.00
5-0-20	0.12	0.00	0.00	0.12	0.12	0.00
5-1-1	5.23	5.00	0.00	0.23	5.23	0.00
5-2-4	5.00	5.00	0.00	0.00	5.00	0.00
5-3-2	3,439.75	3,436.00	3.75	0.00	3,439.75	0.00
5-4-6	0.02	0.02	0.00	0.00	0.02	0.00
5-5-0	18.00	14.00	4.00	0.00	18.00	0.00
5-10-10	2.00	2.00	0.00	0.00	2.00	0.00
5-10-27	50.00	50.00	0.00	0.00	50.00	0.00
5-12-4	2.00	0.00	0.00	2.00	2.00	0.00
5-15-0	3.00	3.00	0.00	0.00	3.00	0.00
5-24-32	1,048.00	0.00	1,048.00	0.00	1,048.00	0.00
5-27-28	516.00	0.00	516.00	0.00	516.00	0.00
5.1-16.8-32.2	2.79	0.00	2.79	0.00	2.79	0.00
5.1-16.8-34.4	2.16	0.00	2.16	0.00	2.16	0.00
5.1-24.1-27.8	9.91	0.00	9.91	0.00	9.91	0.00
5.1-25.3-29.7	4.83	0.00	4.83	0.00	4.83	0.00
5.1-25.6-29.8	4.20	0.00	4.20	0.00	4.20	0.00
5.1-25.6-30.2	5.27	0.00	5.27	0.00	5.27	0.00
5.2-17.3-32	6.47	0.00	6.47	0.00	6.47	0.00
5.2-24.4-28.2	7.52	0.00	7.52	0.00	7.52	0.00
5.2-24.6-30.8	7.39	0.00	7.39	0.00	7.39	0.00
5.2-26.1-29.6	13.47	0.00	13.47	0.00	13.47	0.00
5.22-12.71-1	14.12	0.00	14.12	0.00	14.12	0.00
5.25-26.24-2	8.42	0.00	8.42	0.00	8.42	0.00
5.3-17.7-33.2	12.14	0.00	12.14	0.00	12.14	0.00

## MULTIPLE-NUTRIENT FERTILIZER SUMMARY

From January, 2018 To December, 2018

GRADE	TOTAL	CONTAINER			USE	
		BAG	BULK	LIQUID	FARM	NONFARM
5.3-25.1-30.7	11.27	0.00	11.27	0.00	11.27	0.00
5.3-26.3-29.4	17.74	0.00	17.74	0.00	17.74	0.00
5.3-26.6-26.6	4.20	0.00	4.20	0.00	4.20	0.00
5.4-25.5-25.5	21.23	0.00	21.23	0.00	21.23	0.00
5.4-26.9-26.9	29.01	0.00	29.01	0.00	29.01	0.00
5.49-25.94-2	15.80	0.00	15.80	0.00	15.80	0.00
5.5-18.3-31.1	1.97	0.00	1.97	0.00	1.97	0.00
5.5-26-30	171.99	0.00	171.99	0.00	171.99	0.00
5.5-26.2-26.2	11.96	0.00	11.96	0.00	11.96	0.00
5.5-27.5-27.9	88.93	0.00	88.93	0.00	88.93	0.00
5.51-15.91-3	4.78	0.00	4.78	0.00	4.78	0.00
5.55-20.69-3	7.50	0.00	7.50	0.00	7.50	0.00
5.56-27.78-2	9.52	0.00	9.52	0.00	9.52	0.00
5.56-28.1-26.	6.95	0.00	6.95	0.00	6.95	0.00
5.59-16.17-1	28.67	0.00	28.67	0.00	28.67	0.00
5.6-28-27.2	67.49	0.00	67.49	0.00	67.49	0.00
5.6-28.2-27	7.52	0.00	7.52	0.00	7.52	0.00
5.7-28.7-25.5	23.84	0.00	23.84	0.00	23.84	0.00
5.76-28.79-2	50.85	0.00	50.85	0.00	50.85	0.00
5.77-27.23-2	11.30	0.00	11.30	0.00	11.30	0.00
5.79-19.94-3	2.71	0.00	2.71	0.00	2.71	0.00
5.8-19.2-28.8	2.67	0.00	2.67	0.00	2.67	0.00
5.8-28.8-26.3	5.49	0.00	5.49	0.00	5.49	0.00
5.84-27.61-2	279.96	0.00	279.96	0.00	279.96	0.00
5.9-27.8-27.9	12.16	0.00	12.16	0.00	12.16	0.00
5.9-27.9-23.9	15.52	0.00	15.52	0.00	15.52	0.00
5.9-29.3-25.6	133.84	0.00	133.84	0.00	133.84	0.00
5.9-29.5-24.6	12.60	0.00	12.60	0.00	12.60	0.00
5.91-27.94-2	20.62	0.00	20.62	0.00	20.62	0.00
5.92-27.97-2	8.84	0.00	8.84	0.00	8.84	0.00
5.96-19.83-3	58.83	0.00	58.83	0.00	58.83	0.00
5.99-19.91-2	131.48	0.00	131.48	0.00	131.48	0.00
6-0-2	1.00	1.00	0.00	0.00	1.00	0.00
6-2-0	8.00	8.00	0.00	0.00	8.00	0.00
6-2-3	1.00	0.00	0.00	1.00	1.00	0.00
6-4-3	1.55	0.00	0.00	1.55	1.55	0.00

## MULTIPLE-NUTRIENT FERTILIZER SUMMARY

From January, 2018 To December, 2018

GRADE	TOTAL	BAG	BULK	LIQUID	FARM	NONFARM
6-9-0	1.08	1.08	0.00	0.00	1.08	0.00
6-10-8	0.28	0.00	0.28	0.00	0.28	0.00
6-12-2	1,634.46	0.00	0.00	1,634.46	1,634.46	0.00
6-12-6	0.11	0.11	0.00	0.00	0.11	0.00
6-12-12	103.00	0.00	0.00	103.00	103.00	0.00
6-18-6	0.16	0.16	0.00	0.00	0.16	0.00
6-19.9-28.4	4.12	0.00	4.12	0.00	4.12	0.00
6-20-0	22.43	0.00	22.00	0.43	22.43	0.00
6-20-5	1,171.76	0.00	0.00	1,171.76	1,171.76	0.00
6-20-20	242.88	0.00	242.88	0.00	242.88	0.00
6-20-29	7.96	0.00	7.96	0.00	7.96	0.00
6-22-2	365.24	0.00	0.00	365.24	365.24	0.00
6-22-6	1,503.00	0.00	2.00	1,501.00	1,503.00	0.00
6-24-6	8,555.77	30.12	643.21	7,882.44	8,555.77	0.00
6-24-24	5.00	5.00	0.00	0.00	5.00	0.00
6.03-23.81-2	6.24	0.00	6.24	0.00	6.24	0.00
6.1-28.7-23	30.33	0.00	30.33	0.00	30.33	0.00
6.1-28.82-23.	15.73	0.00	15.73	0.00	15.73	0.00
6.1-29-21.7	3.30	0.00	3.30	0.00	3.30	0.00
6.14-29.02-2	35.17	0.00	35.17	0.00	35.17	0.00
6.16-22.94-2	5.94	0.00	5.94	0.00	5.94	0.00
6.26-24.53-2	17.08	0.00	17.08	0.00	17.08	0.00
6.26-29.59-2	5.54	0.00	5.54	0.00	5.54	0.00
6.3-21.1-28.2	6.36	0.00	6.36	0.00	6.36	0.00
6.3-29.8-25.3	19.72	0.00	19.72	0.00	19.72	0.00
6.3-30-21.4	33.25	0.00	33.25	0.00	33.25	0.00
6.33-18.42-3	4.07	0.00	4.07	0.00	4.07	0.00
6.34-22.53-2	10.29	0.00	10.29	0.00	10.29	0.00
6.34-31.53-2	10.25	0.00	10.25	0.00	10.25	0.00
6.38-24.1-27.	44.81	0.00	44.81	0.00	44.81	0.00
6.4-21.2-27.6	4.48	0.00	4.48	0.00	4.48	0.00
6.4-30.1-20.9	16.81	0.00	16.81	0.00	16.81	0.00
6.4-31.8-22.5	9.62	0.00	9.62	0.00	9.62	0.00
6.49-14.96-1	21.98	0.00	21.98	0.00	21.98	0.00
6.5-21.7-27.1	21.30	0.00	21.30	0.00	21.30	0.00
6.5-22.6-27.2	3.48	0.00	3.48	0.00	3.48	0.00

## MULTIPLE-NUTRIENT FERTILIZER SUMMARY

From January, 2018 To December, 2018

GRADE	TOTAL	CONTAINER			USE	
		BAG	BULK	LIQUID	FARM	NONFARM
6.5-30.6-24.4	4.08	0.00	4.08	0.00	4.08	0.00
6.57-31.7-20.	33.16	0.00	33.16	0.00	33.16	0.00
6.6-22.5-27	62.38	0.00	62.38	0.00	62.38	0.00
6.6-30.9-20.6	3.09	0.00	3.09	0.00	3.09	0.00
6.6-31.4-19.6	5.26	0.00	5.26	0.00	5.26	0.00
6.62-31.31-2	20.69	0.00	20.69	0.00	20.69	0.00
6.64-31.39-2	21.42	0.00	21.42	0.00	21.42	0.00
6.69-32.6-22.	5.83	0.00	5.83	0.00	5.83	0.00
6.7-31.5-23.4	50.29	0.00	50.29	0.00	50.29	0.00
6.7-31.8-17.7	2.06	0.00	2.06	0.00	2.06	0.00
6.76-31.97-2	2.44	0.00	2.44	0.00	2.44	0.00
6.79-26.83-2	10.00	0.00	10.00	0.00	10.00	0.00
6.79-32.08-2	39.17	0.00	39.17	0.00	39.17	0.00
6.8-22.7-25.6	21.28	0.00	21.28	0.00	21.28	0.00
6.8-24.9-24.9	26.77	0.00	26.77	0.00	26.77	0.00
6.8-32.2-14.9	3.69	0.00	3.69	0.00	3.69	0.00
6.8-32.3-18.4	5.26	0.00	5.26	0.00	5.26	0.00
6.81-32.19-2	74.90	0.00	74.90	0.00	74.90	0.00
6.84-26.44-2	4.94	0.00	4.94	0.00	4.94	0.00
6.85-22.37-2	16.04	0.00	16.04	0.00	16.04	0.00
6.85-32.35-2	13.31	0.00	13.31	0.00	13.31	0.00
6.9-16.8-29.4	2.71	0.00	2.71	0.00	2.71	0.00
6.9-22.9-25.3	27.49	0.00	27.49	0.00	27.49	0.00
6.9-32.6-22.1	54.63	0.00	54.63	0.00	54.63	0.00
6.92-23.08-2	4.29	0.00	4.29	0.00	4.29	0.00
6.92-32.71-1	131.02	0.00	131.02	0.00	131.02	0.00
6.95-24.1-26.	11.53	0.00	11.53	0.00	11.53	0.00
6.97-32.94-1	2.98	0.00	2.98	0.00	2.98	0.00
6.99-33.03-1	4.24	0.00	4.24	0.00	4.24	0.00
7-0-1	0.20	0.00	0.00	0.20	0.20	0.00
7-9-5	0.11	0.00	0.00	0.11	0.11	0.00
7-12-0	25.00	0.00	25.00	0.00	25.00	0.00
7-12-15	0.03	0.03	0.00	0.00	0.03	0.00
7-17-3	1,417.07	0.00	816.64	600.43	1,417.07	0.00
7-17-7	5.57	0.00	0.00	5.57	5.57	0.00
7-20-5	623.50	0.00	0.00	623.50	623.50	0.00

## MULTIPLE-NUTRIENT FERTILIZER SUMMARY

From January, 2018 To December, 2018

GRADE	TOTAL	BAG	BULK	LIQUID	FARM	NONFARM
7-21-3	879.42	0.00	0.00	879.42	879.42	0.00
7-21-7	137.76	0.00	0.00	137.76	137.76	0.00
7-23-1	2,261.43	0.00	201.32	2,060.11	2,261.43	0.00
7-23-3	888.61	0.00	0.00	888.61	888.61	0.00
7-23-5	214.22	0.00	0.00	214.22	214.22	0.00
7-25-5	39.00	39.00	0.00	0.00	39.00	0.00
7-33-16.5	18.10	0.00	18.10	0.00	18.10	0.00
7-33.11-14.7	5.56	0.00	5.56	0.00	5.56	0.00
7-34-20	344.00	0.00	344.00	0.00	344.00	0.00
7-38-0	0.01	0.01	0.00	0.00	0.01	0.00
7-53-2	22.00	22.00	0.00	0.00	22.00	0.00
7.04-23.5-26.	26.81	0.00	26.81	0.00	26.81	0.00
7.1-23.6-23.6	37.88	0.00	37.88	0.00	37.88	0.00
7.1-23.7-24.4	20.57	0.00	20.57	0.00	20.57	0.00
7.1-23.8-23.2	3.74	0.00	3.74	0.00	3.74	0.00
7.1-25.1-25.1	10.44	0.00	10.44	0.00	10.44	0.00
7.1-33.3-21.5	21.97	0.00	21.97	0.00	21.97	0.00
7.1-33.5-14.3	3.01	0.00	3.01	0.00	3.01	0.00
7.1-33.5-14.9	6.08	0.00	6.08	0.00	6.08	0.00
7.1-33.6-16.8	98.31	0.00	98.31	0.00	98.31	0.00
7.1-35.3-17.6	0.79	0.00	0.79	0.00	0.79	0.00
7.11-23.7-23.	40.22	0.00	40.22	0.00	40.22	0.00
7.15-23.78-2	141.52	0.00	141.52	0.00	141.52	0.00
7.17-33.91-1	1.34	0.00	1.34	0.00	1.34	0.00
7.2-14.9-29.8	1.50	0.00	1.50	0.00	1.50	0.00
7.2-24.1-24.1	4.62	0.00	4.62	0.00	4.62	0.00
7.2-34-19.6	16.00	0.00	16.00	0.00	16.00	0.00
7.2-34.06-20.	16.74	0.00	16.74	0.00	16.74	0.00
7.2-34.2-20.5	66.26	0.00	66.26	0.00	66.26	0.00
7.23-34.2-0	8.18	0.00	8.18	0.00	8.18	0.00
7.29-27.16-2	85.64	0.00	85.64	0.00	85.64	0.00
7.3-34.2-20.2	9.76	0.00	9.76	0.00	9.76	0.00
7.4-34.8-19.9	117.64	0.00	117.64	0.00	117.64	0.00
7.4-34.9-19.5	2.44	0.00	2.44	0.00	2.44	0.00
7.4-35-15	30.48	0.00	30.48	0.00	30.48	0.00
7.41-24.64-2	11.98	0.00	11.98	0.00	11.98	0.00

## MULTIPLE-NUTRIENT FERTILIZER SUMMARY

From January, 2018 To December, 2018

GRADE	TOTAL	CONTAINER			USE	
		BAG	BULK	LIQUID	FARM	NONFARM
7.41-25.06-2	17.74	0.00	17.74	0.00	17.74	0.00
7.41-35.02-1	17.07	0.00	17.07	0.00	17.07	0.00
7.43-24.7-22.	1.44	0.00	1.44	0.00	1.44	0.00
7.46-24.95-2	10.12	0.00	10.12	0.00	10.12	0.00
7.48-35.34-1	35.56	0.00	35.56	0.00	35.56	0.00
7.5-24.37-24.	13.73	0.00	13.73	0.00	13.73	0.00
7.5-25.4-22.5	5.51	0.00	5.51	0.00	5.51	0.00
7.5-35.2-19.1	5.03	0.00	5.03	0.00	5.03	0.00
7.51-35.51-1	7.84	0.00	7.84	0.00	7.84	0.00
7.52-25.08-2	43.37	0.00	43.37	0.00	43.37	0.00
7.52-26.63-2	7.54	0.00	7.54	0.00	7.54	0.00
7.53-25.47-2	30.64	0.00	30.64	0.00	30.64	0.00
7.55-35.63-1	11.92	0.00	11.92	0.00	11.92	0.00
7.56-28.25-2	24.55	0.00	24.55	0.00	24.55	0.00
7.6-23.4-23.4	9.84	0.00	9.84	0.00	9.84	0.00
7.6-36-18	86.39	0.00	86.39	0.00	86.39	0.00
7.63-25.45-2	43.72	0.00	43.72	0.00	43.72	0.00
7.64-13.37-1	15.63	0.00	15.63	0.00	15.63	0.00
7.64-23.32-2	20.52	0.00	20.52	0.00	20.52	0.00
7.65-25.6-23.	13.96	0.00	13.96	0.00	13.96	0.00
7.69-27.59-2	5.42	0.00	5.42	0.00	5.42	0.00
7.7-23.8-23.8	7.92	0.00	7.92	0.00	7.92	0.00
7.7-36.3-16.7	10.99	0.00	10.99	0.00	10.99	0.00
7.71-25.71-2	104.01	0.00	104.01	0.00	104.01	0.00
7.73-36.55-1	20.95	0.00	20.95	0.00	20.95	0.00
7.75-20.55-1	34.56	0.00	34.56	0.00	34.56	0.00
7.79-37.27-1	3.61	0.00	3.61	0.00	3.61	0.00
7.8-25.9-20.8	25.54	0.00	25.54	0.00	25.54	0.00
7.8-37-12.3	50.48	0.00	50.48	0.00	50.48	0.00
7.8-37-17	4.42	0.00	4.42	0.00	4.42	0.00
7.82-26.44-2	4.83	0.00	4.83	0.00	4.83	0.00
7.85-26.11-2	39.65	0.00	39.65	0.00	39.65	0.00
7.86-9.68-29.	5.41	0.00	5.41	0.00	5.41	0.00
7.86-19-25.3	3.11	0.00	3.11	0.00	3.11	0.00
7.9-22.9-22.9	19.31	0.00	19.31	0.00	19.31	0.00
7.9-25.29-21.	6.12	0.00	6.12	0.00	6.12	0.00

## MULTIPLE-NUTRIENT FERTILIZER SUMMARY

From January, 2018 To December, 2018

GRADE	TOTAL	BAG	BULK	LIQUID	FARM	NONFARM
7.9-26.4-19.8	73.02	0.00	73.02	0.00	73.02	0.00
7.9-37.3-16	13.78	0.00	13.78	0.00	13.78	0.00
7.9-37.5-16.7	8.57	0.00	8.57	0.00	8.57	0.00
7.92-33.77-1	18.24	0.00	18.24	0.00	18.24	0.00
7.95-26.49-1	19.52	0.00	19.52	0.00	19.52	0.00
7.98-30.02-2	21.65	0.00	21.65	0.00	21.65	0.00
8-2-1	1.30	1.30	0.00	0.00	1.30	0.00
8-2-4	8.39	8.39	0.00	0.00	8.39	0.00
8-4-6	37.18	0.00	0.00	37.18	37.18	0.00
8-11-11	1.31	1.31	0.00	0.00	1.31	0.00
8-12-4	0.73	0.73	0.00	0.00	0.73	0.00
8-16-9	1,160.76	0.00	0.00	1,160.76	1,160.76	0.00
8-16-11	38.29	0.00	0.00	38.29	38.29	0.00
8-19-3	70.31	0.00	0.00	70.31	70.31	0.00
8-20-5	356.17	0.00	41.91	314.26	356.17	0.00
8-23-1	166.40	0.00	0.00	166.40	166.40	0.00
8-24-0	1,227.92	0.00	0.00	1,227.92	1,227.92	0.00
8-24-4	829.84	0.00	0.00	829.84	829.84	0.00
8-24-24	4.83	4.83	0.00	0.00	4.83	0.00
8-25-4	80.50	0.00	80.50	0.00	80.50	0.00
8-26.7-20	69.14	0.00	69.14	0.00	69.14	0.00
8-30-2	104.62	0.00	0.00	104.62	104.62	0.00
8-32-5	0.08	0.00	0.00	0.08	0.08	0.00
8-37.9-16.2	48.73	0.00	48.73	0.00	48.73	0.00
8.01-27.17-2	3.49	0.00	3.49	0.00	3.49	0.00
8.04-31.31-1	46.50	0.00	46.50	0.00	46.50	0.00
8.04-38.02-1	1.67	0.00	1.67	0.00	1.67	0.00
8.08-38.22-1	1.88	0.00	1.88	0.00	1.88	0.00
8.1-24.8-21.3	19.57	0.00	19.57	0.00	19.57	0.00
8.1-25.89-22.	19.06	0.00	19.06	0.00	19.06	0.00
8.1-27.1-19.1	12.44	0.00	12.44	0.00	12.44	0.00
8.11-28.8-19.	45.46	0.00	45.46	0.00	45.46	0.00
8.2-26.7-20	29.37	0.00	29.37	0.00	29.37	0.00
8.2-27.4-18.2	39.22	0.00	39.22	0.00	39.22	0.00
8.2-29.5-19.6	195.73	0.00	195.73	0.00	195.73	0.00
8.22-38.86-1	26.11	0.00	26.11	0.00	26.11	0.00



## MULTIPLE-NUTRIENT FERTILIZER SUMMARY

From January, 2018 To December, 2018

GRADE	TOTAL	CONTAINER			USE	
		BAG	BULK	LIQUID	FARM	NONFARM
8.23-27.49-2	42.89	0.00	42.89	0.00	42.89	0.00
8.23-38.92-1	4.48	0.00	4.48	0.00	4.48	0.00
8.27-27.64-2	5.62	0.00	5.62	0.00	5.62	0.00
8.29-29.84-1	14.62	0.00	14.62	0.00	14.62	0.00
8.3-24.5-20.4	85.51	0.00	85.51	0.00	85.51	0.00
8.3-27.7-11.1	52.02	0.00	52.02	0.00	52.02	0.00
8.3-28.8-19.6	3.40	0.00	3.40	0.00	3.40	0.00
8.3-39-13	1.70	0.00	1.70	0.00	1.70	0.00
8.33-39.4-13.	12.81	0.00	12.81	0.00	12.81	0.00
8.34-22.45-2	18.00	0.00	18.00	0.00	18.00	0.00
8.39-29.63-1	9.01	0.00	9.01	0.00	9.01	0.00
8.4-27.9-17.9	12.19	0.00	12.19	0.00	12.19	0.00
8.41-16.88-2	30.50	0.00	30.50	0.00	30.50	0.00
8.43-25.97-2	22.92	0.00	22.92	0.00	22.92	0.00
8.47-28.24-1	4.25	0.00	4.25	0.00	4.25	0.00
8.5-25.3-21.7	4.91	0.00	4.91	0.00	4.91	0.00
8.5-26.9-20.2	20.16	0.00	20.16	0.00	20.16	0.00
8.5-31.8-16.1	30.29	0.00	30.29	0.00	30.29	0.00
8.53-40.33-1	22.22	0.00	22.22	0.00	22.22	0.00
8.56-11.28-5.	14.44	0.00	14.44	0.00	14.44	0.00
8.57-28.57-1	8.09	0.00	8.09	0.00	8.09	0.00
8.57-28.99-1	8.34	0.00	8.34	0.00	8.34	0.00
8.59-28.26-1	20.43	0.00	20.43	0.00	20.43	0.00
8.6-28.6-17.1	361.94	0.00	361.94	0.00	361.94	0.00
8.6-40.8-12.7	5.54	0.00	5.54	0.00	5.54	0.00
8.66-29.81-1	66.71	0.00	66.71	0.00	66.71	0.00
8.66-32.25-1	22.28	0.00	22.28	0.00	22.28	0.00
8.7-28.9-16.6	17.19	0.00	17.19	0.00	17.19	0.00
8.7-30.31-17.	22.21	0.00	22.21	0.00	22.21	0.00
8.7-31.7-15.8	15.98	0.00	15.98	0.00	15.98	0.00
8.76-41.43-0	5.06	0.00	5.06	0.00	5.06	0.00
8.78-32.91-1	22.36	0.00	22.36	0.00	22.36	0.00
8.79-31-16.9	11.92	0.00	11.92	0.00	11.92	0.00
8.8-24-19.2	9.97	0.00	9.97	0.00	9.97	0.00
8.8-41.5-12	11.12	0.00	11.12	0.00	11.12	0.00
8.8-41.6-12	172.04	0.00	172.04	0.00	172.04	0.00

## MULTIPLE-NUTRIENT FERTILIZER SUMMARY

From January, 2018 To December, 2018

GRADE	TOTAL	BAG	BULK	LIQUID	FARM	NONFARM
8.81-23.13-1	5.12	0.00	5.12	0.00	5.12	0.00
8.82-31.3-15.	14.26	0.00	14.26	0.00	14.26	0.00
8.88-41.99-1	10.26	0.00	10.26	0.00	10.26	0.00
8.9-19.5-22.9	8.86	0.00	8.86	0.00	8.86	0.00
8.9-21.39-21.	2.80	0.00	2.80	0.00	2.80	0.00
8.9-33.9-14.5	17.18	0.00	17.18	0.00	17.18	0.00
8.91-21.76-2	4.52	0.00	4.52	0.00	4.52	0.00
8.97-29.87-1	99.33	0.00	99.33	0.00	99.33	0.00
9-1-1	30.56	30.56	0.00	0.00	30.56	0.00
9-4-9	0.39	0.01	0.00	0.38	0.39	0.00
9-4-12	0.60	0.60	0.00	0.00	0.60	0.00
9-6-1	91.00	66.00	25.00	0.00	91.00	0.00
9-12-9	10.71	10.71	0.00	0.00	10.71	0.00
9-12-12	0.23	0.23	0.00	0.00	0.23	0.00
9-14-9	0.07	0.00	0.00	0.07	0.07	0.00
9-15-3	78.01	0.00	0.00	78.01	78.01	0.00
9-15-4	330.42	0.00	0.00	330.42	330.42	0.00
9-17-8	0.00	0.00	0.00	0.00	0.00	0.00
9-18-9	307.92	0.00	0.00	307.92	307.92	0.00
9-20-5	1,130.03	0.00	0.00	1,130.03	1,130.03	0.00
9-22-16	7.40	7.40	0.00	0.00	7.40	0.00
9-23-30	1.00	1.00	0.00	0.00	1.00	0.00
9-24-3	6,096.40	0.00	27.00	6,069.40	6,096.40	0.00
9-29.8-15.1	7.85	0.00	7.85	0.00	7.85	0.00
9-30-0	6.59	0.00	0.00	6.59	6.59	0.00
9-30.4-17.6	55.23	0.00	55.23	0.00	55.23	0.00
9-33.7-15.26	32.24	0.00	32.24	0.00	32.24	0.00
9-42-12	325.08	0.00	325.08	0.00	325.08	0.00
9-45-15	1.00	1.00	0.00	0.00	1.00	0.00
9.1-24.2-19.7	5.52	0.00	5.52	0.00	5.52	0.00
9.1-26.4-17.6	69.85	0.00	69.85	0.00	69.85	0.00
9.1-29.14-17.	20.16	0.00	20.16	0.00	20.16	0.00
9.1-29.5-17	11.17	0.00	11.17	0.00	11.17	0.00
9.1-31.4-15.7	12.30	0.00	12.30	0.00	12.30	0.00
9.14-30.55-1	9.00	0.00	9.00	0.00	9.00	0.00
9.15-31.86-1	50.41	0.00	50.41	0.00	50.41	0.00

## MULTIPLE-NUTRIENT FERTILIZER SUMMARY

From January, 2018 To December, 2018

GRADE	TOTAL	CONTAINER			USE	
		BAG	BULK	LIQUID	FARM	NONFARM
9.2-30-16.3	30.28	0.00	30.28	0.00	30.28	0.00
9.2-32.2-16.1	1.87	0.00	1.87	0.00	1.87	0.00
9.21-32.55-1	26.30	0.00	26.30	0.00	26.30	0.00
9.27-31.74-1	8.40	0.00	8.40	0.00	8.40	0.00
9.29-32.82-1	12.57	0.00	12.57	0.00	12.57	0.00
9.3-22.2-19	35.16	0.00	35.16	0.00	35.16	0.00
9.3-23-17.3	7.12	0.00	7.12	0.00	7.12	0.00
9.3-26.5-17.7	31.99	0.00	31.99	0.00	31.99	0.00
9.31-33.6-14	47.21	0.00	47.21	0.00	47.21	0.00
9.32-32.55-1	11.84	0.00	11.84	0.00	11.84	0.00
9.39-34.54-1	80.17	0.00	80.17	0.00	80.17	0.00
9.4-24.5-17.5	10.59	0.00	10.59	0.00	10.59	0.00
9.4-26.4-17.6	7.20	0.00	7.20	0.00	7.20	0.00
9.46-32-15.3	12.59	0.00	12.59	0.00	12.59	0.00
9.46-44.73-8.	4.11	0.00	4.11	0.00	4.11	0.00
9.49-18.15-1	10.61	0.00	10.61	0.00	10.61	0.00
9.5-26-15.6	3.03	0.00	3.03	0.00	3.03	0.00
9.54-32.09-1	3.44	0.00	3.44	0.00	3.44	0.00
9.55-28.7-14.	34.09	0.00	34.09	0.00	34.09	0.00
9.59-29.54-1	7.59	0.00	7.59	0.00	7.59	0.00
9.61-29.66-1	10.78	0.00	10.78	0.00	10.78	0.00
9.64-29.56-1	30.20	0.00	30.20	0.00	30.20	0.00
9.64-33.58-1	69.66	0.00	69.66	0.00	69.66	0.00
9.7-32.5-11.2	5.57	0.00	5.57	0.00	5.57	0.00
9.72-31.35-1	21.07	0.00	21.07	0.00	21.07	0.00
9.76-33.96-1	35.56	0.00	35.56	0.00	35.56	0.00
9.76-35.1-12.	2.25	0.00	2.25	0.00	2.25	0.00
9.76-35.24-1	63.46	0.00	63.46	0.00	63.46	0.00
9.77-26.93-1	5.97	0.00	5.97	0.00	5.97	0.00
9.83-36.14-1	1.80	0.00	1.80	0.00	1.80	0.00
9.86-31.95-1	23.07	0.00	23.07	0.00	23.07	0.00
9.9-34.81-11.	8.44	0.00	8.44	0.00	8.44	0.00
9.99-23.21-1	22.85	0.00	22.85	0.00	22.85	0.00
10-0-6	0.16	0.16	0.00	0.00	0.16	0.00
10-0-10.5	3.98	0.00	0.00	3.98	3.98	0.00
10-0-20	0.20	0.20	0.00	0.00	0.20	0.00

## MULTIPLE-NUTRIENT FERTILIZER SUMMARY

From January, 2018 To December, 2018

GRADE	TOTAL	BAG	BULK	LIQUID	FARM	NONFARM
10-3-6	0.01	0.01	0.00	0.00	0.01	0.00
10-5-10	16.88	0.00	0.00	16.88	16.88	0.00
10-7.3-4.6	2.12	0.00	0.33	1.79	2.12	0.00
10-8-6	0.11	0.11	0.00	0.00	0.11	0.00
10-10-5	2.03	2.03	0.00	0.00	2.03	0.00
10-10-10	156.19	156.08	0.00	0.11	156.19	0.00
10-12-10	0.40	0.40	0.00	0.00	0.40	0.00
10-15-15	0.79	0.79	0.00	0.00	0.79	0.00
10-16-38	0.20	0.20	0.00	0.00	0.20	0.00
10-18-4	359.42	0.00	0.00	359.42	359.42	0.00
10-18-6	14.00	14.00	0.00	0.00	14.00	0.00
10-18-9	0.41	0.41	0.00	0.00	0.41	0.00
10-18-10	1.63	1.63	0.00	0.00	1.63	0.00
10-18-22	3.00	3.00	0.00	0.00	3.00	0.00
10-20-5	64.24	0.00	0.00	64.24	64.24	0.00
10-20-20	0.02	0.02	0.00	0.00	0.02	0.00
10-22-22	2.00	2.00	0.00	0.00	2.00	0.00
10-25-12	0.02	0.02	0.00	0.00	0.02	0.00
10-29.3-14.6	1.83	0.00	1.83	0.00	1.83	0.00
10-29.6-14.2	5.71	0.00	5.71	0.00	5.71	0.00
10-30-11	2,224.00	0.00	2,224.00	0.00	2,224.00	0.00
10-30.7-13.2	15.69	0.00	15.69	0.00	15.69	0.00
10-33.7-13	31.37	0.00	31.37	0.00	31.37	0.00
10-34-0	25,089.84	0.00	1,995.54	23,094.3	12,544.92	0.00
10-50-0	1,326.72	0.00	1,321.37	5.35	1,326.72	0.00
10-52-10	4.05	4.05	0.00	0.00	4.05	0.00
10-52-17	0.14	0.14	0.00	0.00	0.14	0.00
10.04-34.39-	15.45	0.00	15.45	0.00	15.45	0.00
10.07-31.4-1	5.35	0.00	5.35	0.00	5.35	0.00
10.1-26.2-15.	120.03	0.00	120.03	0.00	120.03	0.00
10.1-28.7-14.	18.43	0.00	18.43	0.00	18.43	0.00
10.1-28.7-14.	151.77	0.00	151.77	0.00	151.77	0.00
10.11-33.82-	0.93	0.00	0.93	0.00	0.93	0.00
10.18-30.84-	22.26	0.00	22.26	0.00	22.26	0.00
10.2-26.4-15.	1.73	0.00	1.73	0.00	1.73	0.00
10.2-28.6-14.	1.84	0.00	1.84	0.00	1.84	0.00

## MULTIPLE-NUTRIENT FERTILIZER SUMMARY

From January, 2018 To December, 2018

GRADE	TOTAL	CONTAINER			USE	
		BAG	BULK	LIQUID	FARM	NONFARM
10.24-32.37-	5.41	0.00	5.41	0.00	5.41	0.00
10.3-21.5-18.	28.45	0.00	28.45	0.00	28.45	0.00
10.3-26.6-16	10.59	0.00	10.59	0.00	10.59	0.00
10.38-50.77-	3.71	0.00	3.71	0.00	3.71	0.00
10.4-28.5-11.	4.49	0.00	4.49	0.00	4.49	0.00
10.44-40.11-	2.88	0.00	2.88	0.00	2.88	0.00
10.47-40.39-	10.57	0.00	10.57	0.00	10.57	0.00
10.5-31.1-11.	2.83	0.00	2.83	0.00	2.83	0.00
10.5-35.7-10.	14.47	0.00	14.47	0.00	14.47	0.00
10.51-17.94-	27.18	0.00	27.18	0.00	27.18	0.00
10.53-32.83-	6.40	0.00	6.40	0.00	6.40	0.00
10.53-35.21-	26.68	0.00	26.68	0.00	26.68	0.00
10.6-50.3-0	1.61	0.00	1.61	0.00	1.61	0.00
10.64-29.77-	15.12	0.00	15.12	0.00	15.12	0.00
10.64-31.3-1	60.64	0.00	60.64	0.00	60.64	0.00
10.65-39.49-	5.65	0.00	5.65	0.00	5.65	0.00
10.7-32.3-9.7	20.63	0.00	20.63	0.00	20.63	0.00
10.71-29.81-	8.27	0.00	8.27	0.00	8.27	0.00
10.75-26.49-	7.39	0.00	7.39	0.00	7.39	0.00
10.77-28.36-	0.09	0.00	0.09	0.00	0.09	0.00
10.78-29.9-9.	8.11	0.00	8.11	0.00	8.11	0.00
10.8-26.1-14.	4.58	0.00	4.58	0.00	4.58	0.00
10.8-37.63-7.	5.70	0.00	5.70	0.00	5.70	0.00
10.8-40.52-5.	11.04	0.00	11.04	0.00	11.04	0.00
10.82-34.44-	3.86	0.00	3.86	0.00	3.86	0.00
10.82-39.07-	10.91	0.00	10.91	0.00	10.91	0.00
10.86-30.75-	4.72	0.00	4.72	0.00	4.72	0.00
10.9-26.1-13	8.51	0.00	8.51	0.00	8.51	0.00
10.9-31.1-10.	38.76	0.00	38.76	0.00	38.76	0.00
10.9-51.6-0	44.29	0.00	44.29	0.00	44.29	0.00
11-2-2	0.07	0.07	0.00	0.00	0.07	0.00
11-3-4	1.51	1.51	0.00	0.00	1.51	0.00
11-6-5	33.71	0.00	0.00	33.71	33.71	0.00
11-7-7	0.33	0.33	0.00	0.00	0.33	0.00
11-8-5	32.96	0.00	2.17	30.79	32.96	0.00
11-34.9-8.7	6.58	0.00	6.58	0.00	6.58	0.00

## MULTIPLE-NUTRIENT FERTILIZER SUMMARY

From January, 2018 To December, 2018

GRADE	TOTAL	BAG	BULK	LIQUID	FARM	NONFARM
11-52-0	316,542.26	0.00	316,542.26	0.00	316,542.26	0.00
11.06-26.26-	13.24	0.00	13.24	0.00	13.24	0.00
11.08-30-10	10.47	0.00	10.47	0.00	10.47	0.00
11.09-32.95-	7.76	0.00	7.76	0.00	7.76	0.00
11.1-20.4-16.	11.16	0.00	11.16	0.00	11.16	0.00
11.1-26-10	10.39	0.00	10.39	0.00	10.39	0.00
11.1-26.3-13.	2.90	0.00	2.90	0.00	2.90	0.00
11.1-27.4-12.	3.74	0.00	3.74	0.00	3.74	0.00
11.11-29.24-	15.10	0.00	15.10	0.00	15.10	0.00
11.18-28.01-	8.97	0.00	8.97	0.00	8.97	0.00
11.2-36.28-8.	5.90	0.00	5.90	0.00	5.90	0.00
11.3-11.3-11.	1.01	0.00	1.01	0.00	1.01	0.00
11.3-24.9-10	11.60	0.00	11.60	0.00	11.60	0.00
11.3-29.6-11.	46.59	0.00	46.59	0.00	46.59	0.00
11.38-28.46-	50.29	0.00	50.29	0.00	50.29	0.00
11.45-32.84-	9.87	0.00	9.87	0.00	9.87	0.00
11.48-27.09-	7.01	0.00	7.01	0.00	7.01	0.00
11.48-31.78-	6.75	0.00	6.75	0.00	6.75	0.00
11.5-23.2-12.	2.67	0.00	2.67	0.00	2.67	0.00
11.5-27.9-9.3	40.88	0.00	40.88	0.00	40.88	0.00
11.5-46-0	22.68	0.00	22.68	0.00	22.68	0.00
11.57-30.86-	1.10	0.00	1.10	0.00	1.10	0.00
11.58-25.08-	57.19	0.00	57.19	0.00	57.19	0.00
11.59-29.19-	8.02	0.00	8.02	0.00	8.02	0.00
11.62-28.95-	24.09	0.00	24.09	0.00	24.09	0.00
11.66-25.12-	28.80	0.00	28.80	0.00	28.80	0.00
11.7-6.7-22.5	18.37	0.00	18.37	0.00	18.37	0.00
11.75-29.63-	18.96	0.00	18.96	0.00	18.96	0.00
11.8-23.7-11.	4.59	0.00	4.59	0.00	4.59	0.00
11.82-31.9-8.	5.17	0.00	5.17	0.00	5.17	0.00
11.84-27.86-	27.02	0.00	27.02	0.00	27.02	0.00
11.84-29.29-	7.86	0.00	7.86	0.00	7.86	0.00
11.89-28.91-	28.51	0.00	28.51	0.00	28.51	0.00
12-0-15	0.04	0.04	0.00	0.00	0.04	0.00
12-3-3	2.00	0.00	0.00	2.00	2.00	0.00
12-4-8	9.88	4.26	0.00	5.62	9.88	0.00

## MULTIPLE-NUTRIENT FERTILIZER SUMMARY

From January, 2018 To December, 2018

GRADE	TOTAL	CONTAINER			USE	
		BAG	BULK	LIQUID	FARM	NONFARM
12-8-8	0.13	0.13	0.00	0.00	0.13	0.00
12-9-6	0.79	0.00	0.00	0.79	0.79	0.00
12-10-10	0.00	0.00	0.00	0.00	0.00	0.00
12-12-12	10.78	10.78	0.00	0.00	10.78	0.00
12-16-8	12.00	12.00	0.00	0.00	12.00	0.00
12-22-10	1.00	1.00	0.00	0.00	1.00	0.00
12-24-6	32.80	32.80	0.00	0.00	32.80	0.00
12-28-12	14.10	14.10	0.00	0.00	14.10	0.00
12-40-0	159,912.82	0.00	159,912.82	0.00	159,912.82	0.00
12-40-1	2,931.25	0.00	2,931.25	0.00	2,931.25	0.00
12-45-0	1,365.48	0.00	1,365.48	0.00	1,365.48	0.00
12-61-0	76.64	47.30	29.34	0.00	76.64	0.00
12.1-26-10	7.71	0.00	7.71	0.00	7.71	0.00
12.1-29.3-8.5	7.26	0.00	7.26	0.00	7.26	0.00
12.3-16.7-25	4.06	0.00	4.06	0.00	4.06	0.00
12.3-25.4-8.5	16.16	0.00	16.16	0.00	16.16	0.00
12.3-34.5-5.8	10.86	0.00	10.86	0.00	10.86	0.00
12.4-29.6-7.4	3.52	0.00	3.52	0.00	3.52	0.00
12.5-23.2-11.	0.62	0.00	0.62	0.00	0.62	0.00
12.66-11.92-	17.59	0.00	17.59	0.00	17.59	0.00
12.7-26.8-8	21.56	0.00	21.56	0.00	21.56	0.00
12.77-24.89-	31.33	0.00	31.33	0.00	31.33	0.00
12.9-12.4-14.	10.71	0.00	10.71	0.00	10.71	0.00
13-0-1	0.04	0.00	0.00	0.04	0.04	0.00
13-0-5	8.03	8.03	0.00	0.00	8.03	0.00
13-0-6	11.00	11.00	0.00	0.00	11.00	0.00
13-2-13	1.25	1.25	0.00	0.00	1.25	0.00
13-3-4	0.98	0.98	0.00	0.00	0.98	0.00
13-4-5	0.09	0.09	0.00	0.00	0.09	0.00
13-13-13	173.08	173.08	0.00	0.00	173.08	0.00
13.11-37.86-	3.55	0.00	3.55	0.00	3.55	0.00
13.27-29.12-	29.23	0.00	29.23	0.00	29.23	0.00
13.32-14.15-	3.96	0.00	3.96	0.00	3.96	0.00
13.34-27.04-	9.73	0.00	9.73	0.00	9.73	0.00
13.61-21.45-	2.05	0.00	2.05	0.00	2.05	0.00
13.7-35.4-0	5.64	0.00	5.64	0.00	5.64	0.00

## MULTIPLE-NUTRIENT FERTILIZER SUMMARY

From January, 2018 To December, 2018

GRADE	TOTAL	BAG	BULK	LIQUID	FARM	NONFARM
13.8-36.4-0	2.41	0.00	2.41	0.00	2.41	0.00
13.89-28.89-	8.78	0.00	8.78	0.00	8.78	0.00
14-2-14	0.30	0.30	0.00	0.00	0.30	0.00
14-14-14	1.72	1.72	0.00	0.00	1.72	0.00
14.67-22.61-	5.85	0.00	5.85	0.00	5.85	0.00
14.77-18.2-7.	14.45	0.00	14.45	0.00	14.45	0.00
14.82-24.69-	7.99	0.00	7.99	0.00	7.99	0.00
15-0-4	30.00	30.00	0.00	0.00	30.00	0.00
15-0-15	0.33	0.00	0.00	0.33	0.33	0.00
15-3-3	1.40	1.40	0.00	0.00	1.40	0.00
15-3-9	1.00	1.00	0.00	0.00	1.00	0.00
15-5-8	0.08	0.08	0.00	0.00	0.08	0.00
15-5-10	1.76	1.76	0.00	0.00	1.76	0.00
15-9-12	2.41	2.41	0.00	0.00	2.41	0.00
15-10-10	0.08	0.08	0.00	0.00	0.08	0.00
15-15-15	1.00	1.00	0.00	0.00	1.00	0.00
15-23-10	9.00	9.00	0.00	0.00	9.00	0.00
15-25-10	33.98	33.98	0.00	0.00	33.98	0.00
15-30-15	10.69	0.43	10.26	0.00	10.69	0.00
15-60-0	146.65	0.00	146.65	0.00	146.65	0.00
15.54-27.97-	23.95	0.00	23.95	0.00	23.95	0.00
16-0-1	6.66	6.66	0.00	0.00	6.66	0.00
16-0-4	22.00	22.00	0.00	0.00	22.00	0.00
16-0-8	10.44	10.44	0.00	0.00	10.44	0.00
16-0.01-0	10.05	10.05	0.00	0.00	10.05	0.00
16-4-4	1.08	1.08	0.00	0.00	1.08	0.00
16-6-16	1.00	1.00	0.00	0.00	1.00	0.00
16-16-16	7.00	7.00	0.00	0.00	7.00	0.00
16-32-16	0.15	0.15	0.00	0.00	0.15	0.00
16.05-20.06-	1.50	0.00	1.50	0.00	1.50	0.00
16.06-24.19-	7.35	0.00	7.35	0.00	7.35	0.00
16.33-27.76-	23.81	0.00	23.81	0.00	23.81	0.00
16.92-16.92-	45.48	0.00	45.48	0.00	45.48	0.00
17-0-3	21.00	21.00	0.00	0.00	21.00	0.00
17-0-5	125.20	0.00	0.00	125.20	125.20	0.00
17-2-8	6.00	6.00	0.00	0.00	6.00	0.00



## MULTIPLE-NUTRIENT FERTILIZER SUMMARY

From January, 2018 To December, 2018

GRADE	TOTAL	CONTAINER			USE	
		BAG	BULK	LIQUID	FARM	NONFARM
17-4-17	2.00	2.00	0.00	0.00	2.00	0.00
17.03-22.14-	11.83	0.00	11.83	0.00	11.83	0.00
17.22-17.22-	6.54	0.00	6.54	0.00	6.54	0.00
17.6-14.1-21.	0.40	0.00	0.40	0.00	0.40	0.00
17.62-24.67-	11.62	0.00	11.62	0.00	11.62	0.00
17.87-20.85-	6.26	0.00	6.26	0.00	6.26	0.00
18-0-3	166.51	166.51	0.00	0.00	166.51	0.00
18-0-6	13.10	13.10	0.00	0.00	13.10	0.00
18-1-8	6.00	6.00	0.00	0.00	6.00	0.00
18-3-4	1.00	0.00	0.00	1.00	1.00	0.00
18-3-5	12.00	12.00	0.00	0.00	12.00	0.00
18-3-6	6.18	6.00	0.00	0.18	6.18	0.00
18-5-9	38.00	38.00	0.00	0.00	38.00	0.00
18-18-21	2.64	2.64	0.00	0.00	2.64	0.00
18-24-12	5.65	5.65	0.00	0.00	5.65	0.00
18-24-16	0.69	0.69	0.00	0.00	0.69	0.00
18-46-0	29,166.30	12.00	29,154.30	0.00	29,166.30	0.00
18.22-21.86-	7.55	0.00	7.55	0.00	7.55	0.00
18.5-18.5-14.	11.02	0.00	11.02	0.00	11.02	0.00
19-0-2	75.00	75.00	0.00	0.00	75.00	0.00
19-0-3	30.00	30.00	0.00	0.00	30.00	0.00
19-0-6	88.70	88.70	0.00	0.00	88.70	0.00
19-24-14	197.00	0.00	197.00	0.00	197.00	0.00
19.94-19.94-	50.61	0.00	50.61	0.00	50.61	0.00
20-0-8	19.35	19.35	0.00	0.00	19.35	0.00
020-0-9	11.00	11.00	0.00	0.00	11.00	0.00
20-3-5	11.40	11.40	0.00	0.00	11.40	0.00
20-3-19	3.00	3.00	0.00	0.00	3.00	0.00
20-5-20	1.25	1.25	0.00	0.00	1.25	0.00
20-7-10	9.00	9.00	0.00	0.00	9.00	0.00
20-8-8	9.00	9.00	0.00	0.00	9.00	0.00
20-10-8	25.00	0.00	25.00	0.00	25.00	0.00
20-10-10	26.98	6.98	0.00	20.00	26.98	0.00
20-10-20	5.00	5.00	0.00	0.00	5.00	0.00
20-12-8	0.20	0.20	0.00	0.00	0.20	0.00
20-20-10	9.12	0.00	9.12	0.00	9.12	0.00

## MULTIPLE-NUTRIENT FERTILIZER SUMMARY

From January, 2018 To December, 2018

GRADE	TOTAL	BAG	BULK	LIQUID	FARM	NONFARM
20-20-20	7.00	6.50	0.50	0.00	7.00	0.00
20-21-20	0.18	0.18	0.00	0.00	0.18	0.00
20.46-16.37-	16.19	0.00	16.19	0.00	16.19	0.00
20.51-20.51-	33.79	0.00	33.79	0.00	33.79	0.00
21-0-5	23.00	23.00	0.00	0.00	23.00	0.00
21-0-6	0.06	0.00	0.00	0.06	0.06	0.00
21-0-8	3.03	3.03	0.00	0.00	3.03	0.00
21-2-4	1.00	1.00	0.00	0.00	1.00	0.00
21-5-20	3.00	3.00	0.00	0.00	3.00	0.00
21-7-7	2.00	2.00	0.00	0.00	2.00	0.00
21-22-4	4.42	4.42	0.00	0.00	4.42	0.00
21.1-21.7-0	30.13	0.00	30.13	0.00	30.13	0.00
21.2-16.9-12.	5.30	5.30	0.00	0.00	5.30	0.00
21.3-8.5-0	29.97	0.00	29.97	0.00	29.97	0.00
21.34-17.78-	25.42	0.00	25.42	0.00	25.42	0.00
22-0-4	116.40	116.40	0.00	0.00	116.40	0.00
22-0-5	45.78	45.78	0.00	0.00	45.78	0.00
22-0-6	10.00	10.00	0.00	0.00	10.00	0.00
22-0-10	76.30	76.30	0.00	0.00	76.30	0.00
22-0-11	9.00	9.00	0.00	0.00	9.00	0.00
22-3-11	12.30	12.30	0.00	0.00	12.30	0.00
22-3-14	1.45	1.45	0.00	0.00	1.45	0.00
22-5-8	4.20	4.20	0.00	0.00	4.20	0.00
22-5-10	8.10	8.10	0.00	0.00	8.10	0.00
22-10-10	12.00	12.00	0.00	0.00	12.00	0.00
22-24-12	0.20	0.20	0.00	0.00	0.20	0.00
22.14-13.86-	7.55	0.00	7.55	0.00	7.55	0.00
22.27-19.09-	7.07	0.00	7.07	0.00	7.07	0.00
22.35-19.4-9.	1.67	0.00	1.67	0.00	1.67	0.00
22.4-16.8-11.	13.46	0.00	13.46	0.00	13.46	0.00
22.49-16.07-	8.89	0.00	8.89	0.00	8.89	0.00
22.52-17.69-	32.44	0.00	32.44	0.00	32.44	0.00
22.59-14.82-	5.93	0.00	5.93	0.00	5.93	0.00
22.6-16.95-1	63.10	0.00	63.10	0.00	63.10	0.00
22.6-20.14-1	5.01	0.00	5.01	0.00	5.01	0.00
22.76-15.17-	19.57	0.00	19.57	0.00	19.57	0.00

## MULTIPLE-NUTRIENT FERTILIZER SUMMARY

From January, 2018 To December, 2018

GRADE	TOTAL	CONTAINER			USE	
		BAG	BULK	LIQUID	FARM	NONFARM
23-0-7	7.00	7.00	0.00	0.00	7.00	0.00
23-0-10	8.20	8.20	0.00	0.00	8.20	0.00
23-23-3	0.78	0.78	0.00	0.00	0.78	0.00
23.08-15.91-	39.01	0.00	39.01	0.00	39.01	0.00
23.1-15.4-11.	10.57	0.00	10.57	0.00	10.57	0.00
23.52-20.16-	15.00	0.00	15.00	0.00	15.00	0.00
23.59-15.73-	16.71	0.00	16.71	0.00	16.71	0.00
23.69-10.15-	3.41	0.00	3.41	0.00	3.41	0.00
23.84-15.89-	2.64	0.00	2.64	0.00	2.64	0.00
23.9-14.3-9.5	10.16	0.00	10.16	0.00	10.16	0.00
24-0-3	40.10	40.10	0.00	0.00	40.10	0.00
24-0-4	272.00	272.00	0.00	0.00	272.00	0.00
24-0-5	8.00	8.00	0.00	0.00	8.00	0.00
24-0-8	0.16	0.16	0.00	0.00	0.16	0.00
24-0-10	6.86	6.86	0.00	0.00	6.86	0.00
24-0-11	40.00	40.00	0.00	0.00	40.00	0.00
24-0-12	21.50	21.50	0.00	0.00	21.50	0.00
24-3-6	38.00	38.00	0.00	0.00	38.00	0.00
24-5-10	250.78	250.78	0.00	0.00	250.78	0.00
24-8-8	0.03	0.03	0.00	0.00	0.03	0.00
24-8-16	25.62	25.62	0.00	0.00	25.62	0.00
24-12-12	565.00	0.00	565.00	0.00	565.00	0.00
24-25-4	10.87	10.87	0.00	0.00	10.87	0.00
24.06-16.04-	32.36	0.00	32.36	0.00	32.36	0.00
24.1-14.8-11.	73.50	0.00	73.50	0.00	73.50	0.00
24.1-15.52-1	63.35	0.00	63.35	0.00	63.35	0.00
24.12-16.08-	36.11	0.00	36.11	0.00	36.11	0.00
24.17-13.43-	10.53	0.00	10.53	0.00	10.53	0.00
24.18-10.11-	5.08	0.00	5.08	0.00	5.08	0.00
24.29-17.9-5.	13.89	0.00	13.89	0.00	13.89	0.00
24.3-16.3-10.	129.59	0.00	129.59	0.00	129.59	0.00
24.4-10.2-12.	16.66	0.00	16.66	0.00	16.66	0.00
24.6-24.6-0	14.96	0.00	14.96	0.00	14.96	0.00
24.91-11.32-	29.25	0.00	29.25	0.00	29.25	0.00
24.94-14.55-	0.31	0.00	0.31	0.00	0.31	0.00
25-0-2	1.52	0.00	0.00	1.52	1.52	0.00

## MULTIPLE-NUTRIENT FERTILIZER SUMMARY

From January, 2018 To December, 2018

GRADE	TOTAL	BAG	BULK	LIQUID	FARM	NONFARM
25-0-4	0.38	0.38	0.00	0.00	0.38	0.00
25-0-5	374.62	374.62	0.00	0.00	374.62	0.00
25-0-8	44.30	44.30	0.00	0.00	44.30	0.00
25-0-10	9.28	9.28	0.00	0.00	9.28	0.00
25-0-15	306.00	306.00	0.00	0.00	306.00	0.00
25-5-5	5.46	0.00	5.46	0.00	5.46	0.00
25-5-15	18.10	18.10	0.00	0.00	18.10	0.00
25-10-10	0.03	0.03	0.00	0.00	0.03	0.00
25-13-11	280.00	0.00	280.00	0.00	280.00	0.00
25.1-12.5-12.	127.19	0.00	127.19	0.00	127.19	0.00
25.1-15-10	128.16	0.00	128.16	0.00	128.16	0.00
25.11-11.42-	6.83	0.00	6.83	0.00	6.83	0.00
25.2-16.8-8.4	13.90	0.00	13.90	0.00	13.90	0.00
25.28-12.64-	81.35	0.00	81.35	0.00	81.35	0.00
25.3-12.86-1	5.52	0.00	5.52	0.00	5.52	0.00
25.38-5.08-5.	0.51	0.00	0.51	0.00	0.51	0.00
25.39-12.72-	33.91	0.00	33.91	0.00	33.91	0.00
25.4-14.78-1	14.96	0.00	14.96	0.00	14.96	0.00
25.61-20.49-	14.64	0.00	14.64	0.00	14.64	0.00
25.65-14.69-	11.43	0.00	11.43	0.00	11.43	0.00
25.71-14.86-	22.14	0.00	22.14	0.00	22.14	0.00
25.9-14.39-5.	11.47	0.00	11.47	0.00	11.47	0.00
26-0-3	341.00	341.00	0.00	0.00	341.00	0.00
26-0-4	119.37	119.37	0.00	0.00	119.37	0.00
26-0-6	6.07	6.07	0.00	0.00	6.07	0.00
26-5-10	1.38	1.38	0.00	0.00	1.38	0.00
26-11-10	1,947.00	0.00	1,947.00	0.00	1,947.00	0.00
26.14-10.46-	61.58	0.00	61.58	0.00	61.58	0.00
26.2-13.9-10.	66.54	0.00	66.54	0.00	66.54	0.00
26.24-13.14-	7.39	0.00	7.39	0.00	7.39	0.00
26.24-15.74-	18.87	0.00	18.87	0.00	18.87	0.00
26.25-14-10.	39.41	0.00	39.41	0.00	39.41	0.00
26.25-16.41-	17.43	0.00	17.43	0.00	17.43	0.00
26.29-12.27-	11.96	0.00	11.96	0.00	11.96	0.00
26.4-14.6-8.8	17.76	0.00	17.76	0.00	17.76	0.00
26.59-16.36-	55.99	0.00	55.99	0.00	55.99	0.00

## MULTIPLE-NUTRIENT FERTILIZER SUMMARY

From January, 2018 To December, 2018

GRADE	TOTAL	CONTAINER			USE	
		BAG	BULK	LIQUID	FARM	NONFARM
26.6-13.3-10	96.97	0.00	96.97	0.00	96.97	0.00
26.6-15.32-8.	17.30	0.00	17.30	0.00	17.30	0.00
26.7-12-13.8	60.55	0.00	60.55	0.00	60.55	0.00
26.7-16.69-6.	19.80	0.00	19.80	0.00	19.80	0.00
26.73-13.53-	39.74	0.00	39.74	0.00	39.74	0.00
26.77-12-13.	8.54	0.00	8.54	0.00	8.54	0.00
26.82-12.32-	8.95	0.00	8.95	0.00	8.95	0.00
26.9-12.2-14.	36.07	0.00	36.07	0.00	36.07	0.00
26.9-22.4-0	82.68	0.00	82.68	0.00	82.68	0.00
26.99-11.1-9.	27.63	0.00	27.63	0.00	27.63	0.00
26.99-13.5-9	6.16	0.00	6.16	0.00	6.16	0.00
27-0-2	4.62	4.62	0.00	0.00	4.62	0.00
27-0-3	6.62	6.62	0.00	0.00	6.62	0.00
27-0-8	20.40	20.40	0.00	0.00	20.40	0.00
27.04-15.9-6.	14.12	0.00	14.12	0.00	14.12	0.00
27.1-18.1-9	0.72	0.00	0.72	0.00	0.72	0.00
27.23-13.62-	4.41	0.00	4.41	0.00	4.41	0.00
27.24-12.11-	7.53	0.00	7.53	0.00	7.53	0.00
27.26-15.15-	28.69	0.00	28.69	0.00	28.69	0.00
27.27-8.18-8.	8.43	0.00	8.43	0.00	8.43	0.00
27.27-12.26-	12.94	0.00	12.94	0.00	12.94	0.00
27.3-13.7-8.2	51.36	0.00	51.36	0.00	51.36	0.00
27.38-13.68-	162.95	0.00	162.95	0.00	162.95	0.00
27.4-13.7-6.8	21.03	0.00	21.03	0.00	21.03	0.00
27.44-11.43-	22.08	0.00	22.08	0.00	22.08	0.00
27.47-13.29-	22.72	0.00	22.72	0.00	22.72	0.00
27.5-15-7.5	59.88	0.00	59.88	0.00	59.88	0.00
27.56-16.54-	19.02	0.00	19.02	0.00	19.02	0.00
27.6-10.9-10.	17.84	0.00	17.84	0.00	17.84	0.00
27.67-16.08-	51.66	0.00	51.66	0.00	51.66	0.00
27.71-15.39-	17.38	0.00	17.38	0.00	17.38	0.00
27.8-10.8-10.	32.88	0.00	32.88	0.00	32.88	0.00
27.88-9.8-11.	15.18	0.00	15.18	0.00	15.18	0.00
27.89-12.78-	54.39	0.00	54.39	0.00	54.39	0.00
27.98-10.26-	41.95	0.00	41.95	0.00	41.95	0.00
28-0-3	303.96	303.96	0.00	0.00	303.96	0.00

## MULTIPLE-NUTRIENT FERTILIZER SUMMARY

From January, 2018 To December, 2018

GRADE	TOTAL	BAG	BULK	LIQUID	FARM	NONFARM
28-0-6	5.87	5.87	0.00	0.00	5.87	0.00
28-0-7	23.29	23.29	0.00	0.00	23.29	0.00
28-0-10	15.81	15.81	0.00	0.00	15.81	0.00
28-0-12	0.03	0.03	0.00	0.00	0.03	0.00
28-3-10	116.00	116.00	0.00	0.00	116.00	0.00
28-5-5	40.60	40.60	0.00	0.00	40.60	0.00
28-5-10	8.00	8.00	0.00	0.00	8.00	0.00
28-25-0	367.00	0.00	367.00	0.00	367.00	0.00
28-26-0	894.00	0.00	894.00	0.00	894.00	0.00
28.01-20.8-1.	38.16	0.00	38.16	0.00	38.16	0.00
28.06-15.71-	96.96	0.00	96.96	0.00	96.96	0.00
28.11-14.05-	36.69	0.00	36.69	0.00	36.69	0.00
28.2-12.1-8	3.41	0.00	3.41	0.00	3.41	0.00
28.2-14.1-7.1	3.71	0.00	3.71	0.00	3.71	0.00
28.24-14.08-	39.00	0.00	39.00	0.00	39.00	0.00
28.28-11.95-	13.23	0.00	13.23	0.00	13.23	0.00
28.28-13.05-	21.22	0.00	21.22	0.00	21.22	0.00
28.3-7.1-7.1	6.70	0.00	6.70	0.00	6.70	0.00
28.3-11.3-9.1	7.92	0.00	7.92	0.00	7.92	0.00
28.34-14.37-	7.35	0.00	7.35	0.00	7.35	0.00
28.4-9.2-12.3	33.98	0.00	33.98	0.00	33.98	0.00
28.4-12.6-7.9	152.96	0.00	152.96	0.00	152.96	0.00
28.4-13-7.5	8.57	0.00	8.57	0.00	8.57	0.00
28.43-20.67-	63.93	0.00	0.00	63.93	63.93	0.00
28.5-14.84-6.	3.68	0.00	3.68	0.00	3.68	0.00
28.52-11.41-	73.92	0.00	73.92	0.00	73.92	0.00
28.53-11.89-	11.50	0.00	11.50	0.00	11.50	0.00
28.6-20.4-0	18.36	0.00	18.36	0.00	18.36	0.00
28.63-13.56-	96.73	0.00	96.73	0.00	96.73	0.00
28.68-12.02-	7.85	0.00	7.85	0.00	7.85	0.00
28.7-20-0	101.68	0.00	101.68	0.00	101.68	0.00
28.8-13.3-6.7	131.36	0.00	131.36	0.00	131.36	0.00
28.86-14.43-	33.96	0.00	33.96	0.00	33.96	0.00
28.89-10.45-	27.43	0.00	27.43	0.00	27.43	0.00
28.91-11.34-	8.91	0.00	8.91	0.00	8.91	0.00
29-0-3	32.71	32.65	0.00	0.06	32.71	0.00

## MULTIPLE-NUTRIENT FERTILIZER SUMMARY

From January, 2018 To December, 2018

GRADE	TOTAL	CONTAINER			USE	
		BAG	BULK	LIQUID	FARM	NONFARM
29-0-4	16.28	16.28	0.00	0.00	16.28	0.00
29-13-5	554.00	0.00	554.00	0.00	554.00	0.00
29.08-12.2-8.	15.38	0.00	15.38	0.00	15.38	0.00
29.1-12.1-7.3	166.05	0.00	166.05	0.00	166.05	0.00
29.1-12.81-1	31.07	0.00	31.07	0.00	31.07	0.00
29.14-10.41-	31.62	0.00	31.62	0.00	31.62	0.00
29.21-11.23-	34.70	0.00	34.70	0.00	34.70	0.00
29.23-12.73-	63.82	0.00	63.82	0.00	63.82	0.00
29.3-11.7-7.8	18.43	0.00	18.43	0.00	18.43	0.00
29.3-11.72-8.	4.72	0.00	4.72	0.00	4.72	0.00
29.4-12.8-5.1	262.51	0.00	262.51	0.00	262.51	0.00
29.4-19.6-0	23.87	0.00	23.87	0.00	23.87	0.00
29.44-13.92-	28.86	0.00	28.86	0.00	28.86	0.00
29.45-12.91-	14.93	0.00	14.93	0.00	14.93	0.00
29.48-9.83-4.	5.60	0.00	5.60	0.00	5.60	0.00
29.5-10-10	48.55	0.00	48.55	0.00	48.55	0.00
29.6-13.5-5.4	196.81	0.00	196.81	0.00	196.81	0.00
29.69-10.08-	19.28	0.00	19.28	0.00	19.28	0.00
29.7-13.2-6.6	55.02	0.00	55.02	0.00	55.02	0.00
29.73-12.73-	49.51	0.00	49.51	0.00	49.51	0.00
29.89-7.2-7.2	10.93	0.00	10.93	0.00	10.93	0.00
29.9-12-6	36.96	0.00	36.96	0.00	36.96	0.00
29.9-12.3-7.4	69.44	0.00	69.44	0.00	69.44	0.00
29.9-13-6.5	266.38	0.00	266.38	0.00	266.38	0.00
29.97-12.49-	53.54	0.00	53.54	0.00	53.54	0.00
30-0-3	102.30	102.30	0.00	0.00	102.30	0.00
30-0-4	29.80	29.80	0.00	0.00	29.80	0.00
30-0-5	21.00	21.00	0.00	0.00	21.00	0.00
30-0-6	17.00	17.00	0.00	0.00	17.00	0.00
30-0-8	0.13	0.13	0.00	0.00	0.13	0.00
30-0-10	3.00	3.00	0.00	0.00	3.00	0.00
30-2-5	29.00	29.00	0.00	0.00	29.00	0.00
30-2-18	18.00	18.00	0.00	0.00	18.00	0.00
30-3-5	97.18	97.18	0.00	0.00	97.18	0.00
30-3-9	1.13	1.13	0.00	0.00	1.13	0.00
30-4-8	35.33	35.33	0.00	0.00	35.33	0.00

## MULTIPLE-NUTRIENT FERTILIZER SUMMARY

From January, 2018 To December, 2018

GRADE	TOTAL	BAG	BULK	LIQUID	FARM	NONFARM
30-5-15	4.38	4.38	0.00	0.00	4.38	0.00
30-7-10	37.20	0.20	37.00	0.00	37.20	0.00
30-10-10	9.51	9.51	0.00	0.00	9.51	0.00
30-12-8	9.84	0.00	9.84	0.00	9.84	0.00
30-15-3	16.48	0.00	16.48	0.00	16.48	0.00
30.06-11.11-	5.52	0.00	5.52	0.00	5.52	0.00
30.08-14.44-	193.34	0.00	193.34	0.00	193.34	0.00
30.1-11.6-6.9	129.02	0.00	129.02	0.00	129.02	0.00
30.1-18.2-0	1.24	0.00	1.24	0.00	1.24	0.00
30.12-13.39-	5.23	0.00	5.23	0.00	5.23	0.00
30.14-10.05-	29.26	0.00	29.26	0.00	29.26	0.00
30.15-11.59-	23.58	0.00	23.58	0.00	23.58	0.00
30.16-12.76-	157.58	0.00	157.58	0.00	157.58	0.00
30.19-18.48-	40.79	0.00	40.79	0.00	40.79	0.00
30.2-18.6-0	103.78	0.00	103.78	0.00	103.78	0.00
30.22-12.99-	126.46	0.00	126.46	0.00	126.46	0.00
30.34-15.24-	51.46	0.00	51.46	0.00	51.46	0.00
30.37-14.02-	44.52	0.00	44.52	0.00	44.52	0.00
30.41-11.77-	34.04	0.00	34.04	0.00	34.04	0.00
30.49-18.29-	70.97	0.00	70.97	0.00	70.97	0.00
30.58-11.73-	54.91	0.00	54.91	0.00	54.91	0.00
30.58-12.23-	45.51	0.00	45.51	0.00	45.51	0.00
30.63-15.32-	139.76	0.00	139.76	0.00	139.76	0.00
30.68-9.09-6.	147.66	0.00	147.66	0.00	147.66	0.00
30.7-12.8-5.1	32.96	0.00	32.96	0.00	32.96	0.00
30.71-10.24-	23.79	0.00	23.79	0.00	23.79	0.00
30.77-18.65-	20.30	0.00	20.30	0.00	20.30	0.00
30.77-18.79-	700.30	0.00	700.30	0.00	700.30	0.00
30.8-10-7.4	44.52	0.00	44.52	0.00	44.52	0.00
30.82-15.71-	2.52	0.00	2.52	0.00	2.52	0.00
30.85-18.84-	40.60	0.00	40.60	0.00	40.60	0.00
30.86-11.22-	64.09	0.00	64.09	0.00	64.09	0.00
30.9-12.6-4.8	35.25	0.00	35.25	0.00	35.25	0.00
31-10.3-6.9	45.17	0.00	45.17	0.00	45.17	0.00
31.05-8.87-6.	37.95	0.00	37.95	0.00	37.95	0.00
31.07-11.62-	4.37	0.00	4.37	0.00	4.37	0.00



## MULTIPLE-NUTRIENT FERTILIZER SUMMARY

From January, 2018 To December, 2018

GRADE	TOTAL	CONTAINER			USE	
		BAG	BULK	LIQUID	FARM	NONFARM
31.08-4.14-4.	0.37	0.00	0.37	0.00	0.37	0.00
31.08-9.56-0	4.07	0.00	4.07	0.00	4.07	0.00
31.1-10-0	6.01	0.00	6.01	0.00	6.01	0.00
31.11-10.95-	16.52	0.00	16.52	0.00	16.52	0.00
31.12-11.25-	160.95	0.00	160.95	0.00	160.95	0.00
31.18-12.47-	28.45	0.00	28.45	0.00	28.45	0.00
31.28-9.39-0	76.98	0.00	76.98	0.00	76.98	0.00
31.3-11.2-6.7	71.19	0.00	71.19	0.00	71.19	0.00
31.37-9.06-6.	10.75	0.00	10.75	0.00	10.75	0.00
31.4-9-9	1.44	0.00	1.44	0.00	1.44	0.00
31.4-10.5-6.3	45.16	0.00	45.16	0.00	45.16	0.00
31.45-8.86-6.	15.64	0.00	15.64	0.00	15.64	0.00
31.49-9.1-6.8	20.06	0.00	20.06	0.00	20.06	0.00
31.5-21-0	32.11	0.00	32.11	0.00	32.11	0.00
31.52-10.51-	12.37	0.00	12.37	0.00	12.37	0.00
31.54-12.13-	13.23	0.00	13.23	0.00	13.23	0.00
31.6-20.5-0	19.39	0.00	19.39	0.00	19.39	0.00
31.64-10.55-	21.70	0.00	21.70	0.00	21.70	0.00
31.65-11.76-	28.10	0.00	28.10	0.00	28.10	0.00
31.8-10.6-8.5	12.10	0.00	12.10	0.00	12.10	0.00
31.8-12.7-4.2	114.40	0.00	114.40	0.00	114.40	0.00
31.81-10.6-6.	28.40	0.00	28.40	0.00	28.40	0.00
31.86-11.9-4.	20.07	0.00	20.07	0.00	20.07	0.00
31.9-0-10.6	11.87	0.00	11.87	0.00	11.87	0.00
31.95-13.13-	3.35	0.00	3.35	0.00	3.35	0.00
31.97-6.39-4	4.12	0.00	4.12	0.00	4.12	0.00
32-0-4	126.20	126.20	0.00	0.00	126.20	0.00
32-0-7	1.00	1.00	0.00	0.00	1.00	0.00
32-0-8	14.00	14.00	0.00	0.00	14.00	0.00
32-0-10	17.37	17.37	0.00	0.00	17.37	0.00
32-0-12	21.79	21.79	0.00	0.00	21.79	0.00
32-6-6	956.00	0.00	956.00	0.00	956.00	0.00
32-7-7	35.10	35.10	0.00	0.00	35.10	0.00
32-13-0	771.00	0.00	771.00	0.00	771.00	0.00
32.01-8.83-0	8.72	0.00	8.72	0.00	8.72	0.00
32.08-11.03-	44.92	0.00	44.92	0.00	44.92	0.00

## MULTIPLE-NUTRIENT FERTILIZER SUMMARY

From January, 2018 To December, 2018

GRADE	TOTAL	BAG	BULK	LIQUID	FARM	NONFARM
32.1-19.7-0	4.93	0.00	4.93	0.00	4.93	0.00
32.14-16.07-	5.05	0.00	5.05	0.00	5.05	0.00
32.49-12.07-	79.48	0.00	79.48	0.00	79.48	0.00
32.51-13.01-	41.14	0.00	41.14	0.00	41.14	0.00
32.52-10.84-	57.83	0.00	57.83	0.00	57.83	0.00
32.53-13.18-	16.43	0.00	16.43	0.00	16.43	0.00
32.6-10.87-5.	39.89	0.00	39.89	0.00	39.89	0.00
32.9-15-0	3.48	0.00	3.48	0.00	3.48	0.00
32.94-10.98-	19.30	0.00	19.30	0.00	19.30	0.00
33-0-5	86.00	86.00	0.00	0.00	86.00	0.00
33-11.1-6.4	16.44	0.00	16.44	0.00	16.44	0.00
33.06-10.17-	124.41	0.00	124.41	0.00	124.41	0.00
33.1-13.3-0	23.31	0.00	23.31	0.00	23.31	0.00
33.25-0-11.6	9.23	0.00	9.23	0.00	9.23	0.00
33.35-12.24-	20.40	0.00	20.40	0.00	20.40	0.00
33.36-11.56-	30.16	0.00	30.16	0.00	30.16	0.00
33.6-11.2-5.6	4.22	0.00	4.22	0.00	4.22	0.00
33.7-10.72-0	40.33	0.00	40.33	0.00	40.33	0.00
33.89-7.88-5.	59.85	0.00	59.85	0.00	59.85	0.00
34-0-6	15.90	15.90	0.00	0.00	15.90	0.00
34-2-4	3.00	3.00	0.00	0.00	3.00	0.00
34-6.24-8.64	273.32	0.00	273.32	0.00	273.32	0.00
34.05-17.03-	16.90	0.00	16.90	0.00	16.90	0.00
34.09-13.64-	100.85	0.00	100.85	0.00	100.85	0.00
34.22-11.41-	258.87	0.00	258.87	0.00	258.87	0.00
34.3-10.9-0	73.30	0.00	73.30	0.00	73.30	0.00
34.39-13.93-	26.20	0.00	26.20	0.00	26.20	0.00
34.5-10.3-0	18.99	0.00	18.99	0.00	18.99	0.00
34.5-11.9-0	24.30	0.00	24.30	0.00	24.30	0.00
34.66-15.8-0	4.53	0.00	4.53	0.00	4.53	0.00
34.7-4.48-4.4	10.51	0.00	10.51	0.00	10.51	0.00
34.7-13.3-0	42.49	0.00	42.49	0.00	42.49	0.00
34.91-10.47-	22.55	0.00	22.55	0.00	22.55	0.00
35-0-6	3.00	3.00	0.00	0.00	3.00	0.00
35.04-8.76-0	2.95	0.00	2.95	0.00	2.95	0.00
35.1-14.9-0	5.97	0.00	5.97	0.00	5.97	0.00

## MULTIPLE-NUTRIENT FERTILIZER SUMMARY

From January, 2018 To December, 2018

GRADE	TOTAL	CONTAINER			USE	
		BAG	BULK	LIQUID	FARM	NONFARM
35.97-7.35-4.	28.01	0.00	28.01	0.00	28.01	0.00
36-0-6	0.88	0.88	0.00	0.00	0.88	0.00
36-9-0	1,007.00	0.00	1,007.00	0.00	1,007.00	0.00
36.1-0-12.1	12.32	0.00	12.32	0.00	12.32	0.00
36.24-7.84-0	16.53	0.00	16.53	0.00	16.53	0.00
37.1-12.4-0	8.93	0.00	8.93	0.00	8.93	0.00
37.88-5.41-0	34.87	0.00	34.87	0.00	34.87	0.00
40.1-8.7-0	70.60	0.00	70.60	0.00	70.60	0.00
40.2-6.7-0	3.95	0.00	3.95	0.00	3.95	0.00
41.4-0-1.16	57.00	0.00	57.00	0.00	57.00	0.00
50-0.15-0.2	18.81	18.81	0.00	0.00	18.81	0.00
50-40-25	1,776.61	0.00	1,776.61	0.00	1,776.61	0.00
60-20-5	484.10	0.00	0.00	484.10	484.10	0.00
<b>TOTAL</b>	<b>623,391.18</b>	<b>11,884.87</b>	<b>314,938.59</b>	<b>45,795.25</b>	<b>372,618.71</b>	<b>0.00</b>

## SINGLE-NUTRIENT FERTILIZER SUMMARY & MULTIPLE-NUTRIENT FERTILIZER SUMMARY TOTAL

	TOTAL	BAG	BULK	LIQUID	FARM	NONFARM
<b>TOTAL</b>	<b>2,082,006</b>	<b>57,700.45</b>	<b>827,803.39</b>	<b>282,810.79</b>	<b>372,618.71</b>	<b>0.00</b>