

**SOUTH DAKOTA DEPARTMENT OF AGRICULTURE
DIVISION OF AGRICULTURAL SERVICES**

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2000 COMMERCIAL FERTILIZER ANNUAL REPORT

The South Dakota Department of Agriculture, Division of Agricultural Services, Office of Agronomy Services under the Authority of SDCL 38-19 provides for sampling and analysis of fertilizer ingredients and fertilizer products sold in South Dakota. Analysis of all products distributed under the law are in this report.

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

SECTION A: SDSU SUMMARY REPORT OF SAMPLES

SECTION B: SAMPLE COUNT REPORT BY

MANUFACTURE AND LOCATION

SECTION C: REGULATORY ANALYTE TOTALS

South Dakota Department of Agriculture

Fertilizer Tonnage Report

(SDSU Summary)
01-01-2000 to 12-31-2000

Manufacturer Location	Product	Analyte	Found	Claim
Agriliance, LLC St. Paul, MN				
	Dry bulk fertilizer urea 46-0-0		00N-03187	
		Total Nitrogen, %	46.02	46
	Dry bulk fertilizer DAP 18-46-00		00N-03188	
		Commercial Value	147.	146
		Overall Index Value	100.	100
		Total Nitrogen, %	17.87	18
		Available Phosphate, %	46.50	46
	Dry bulk fertilizer 46-0-0		00N-03514	
		Total Nitrogen, %	46.56	46
Agrium US Inc Denver, CO				
	Dry bulk fertilizer 0-0-60		00N-04651	
		Soluble Potash, %	59.90	60
	Dry bulk fertilizer 11-52-0		00N-04652	
		Commercial Value	137.	137
		Overall Index Value	99.8	100
		Total Nitrogen, %	11.18	11
		Available Phosphate, %	51.56	52
Agrium US Inc Soda Springs, ID				
	Dry bulk fertilizer MAP 11-52-0		00N-04037	
		Commercial Value	138.	137
		Overall Index Value	101.	100
		Total Nitrogen, %	11.10	11
		Available Phosphate, %	52.30	52
AH Hoffman Inc Landisville, PA				
	Ace 10-6-12 Rose Food		00N-03819	
		Commercial Value	57.8	54
		Overall Index Value	107.	100
		Total Nitrogen, %	10.85	10
		Available Phosphate, %	6.41	6
		Soluble Potash, %	12.38	12
	Hoffman All Natural Organic Dried Blood		00N-05986	
		Total Nitrogen, %	15.12	12
	Ace Azalea, Camelia & Rhodo Food		00N-07359	
		Calcium, %	6.91	7
		Chlorine, %	7.65	8
		Commercial Value	53.6	46
		Iron, %	0.97	1
		Overall Index Value	117.	100
		Magnesium, %	4.64	4
		Total Nitrogen, %	9.52	8
		Available Phosphate, %	7.28	6
		Soluble Potash, %	10.51	10
		Sulfur, %	6.27	5

Manufacturer Location	Product	Analyte	Found	Claim	
	Ace-All Purpose Plant Food		00N-07360		
		Calcium, %	7.83	7	
		Chlorine, %	7.24	8	
		Commercial Value	58.6	58	
		Overall Index Value	101.	100	
		Magnesium, %	5.24	4	
		Total Nitrogen, %	8.04	8	
		Available Phosphate, %	12.20	12	
		Soluble Potash, %	10.13	10	
		Sulfur, %	3.04	2.5	
Aim Lawn & Garden Products					
Avon Lake, OH					
	** Scenic Green TM Weed and Feed 17-2-3		00N-04521		
		Chlorine, %	2.82	1.8	EXCESSIVE
		Commercial Value	73.9	58	
		Overall Index Value	127.	100	
		Total Nitrogen, %	21.36	17	
		Available Phosphate, %	3.06	2	
		Soluble Potash, %	3.72	3	
	Tru Green Lawn Fertilizer 28-3-6		00N-04654		
		Commercial Value	102.	96	
		Overall Index Value	106.	100	
		Total Nitrogen, %	29.68	28	
		Available Phosphate, %	3.51	3	
		Soluble Potash, %	5.78	6	
Alaska Fish Fertilizer					
Renton, WA					
	Alaska Fish Fertilizer 5-1-1		00N-04531		
		Chlorine, %	1.79	4	
		Commercial Value	20.8	17	
		Overall Index Value	116.	100	
		Total Nitrogen, %	4.97	5	
		Available Phosphate, %	2.18	1	
		Soluble Potash, %	1.58	1	
Alljack					
St. Louis, MO					
	All Purpose Plant Food 15-30-15		00N-03779		
		Commercial Value	127.	120	
		Overall Index Value	106.	100	
		Total Nitrogen, %	15.94	15	
		Available Phosphate, %	31.42	30	
		Soluble Potash, %	16.44	15	
American MicroTrace Corp					
Houston, TX					
	Dry bulk fertilizer zinc 0-0-0-35		00N-03920		
		Sulfur, %	17.33	17.5	
		Zinc, %	34.68	35.5	
Andersons (The) Lawn Fert Div					
Maumee, OH					
	Do It Lawn Food 20-4-8		00N-03685		
		Commercial Value	81.2	76	
		Overall Index Value	107.	100	
		Total Nitrogen, %	20.90	20	
		Available Phosphate, %	5.03	4	
		Soluble Potash, %	8.43	8	

** = Misbranded

Manufacturer Location	Product	Analyte	Found	Claim	
Badger Farmers Coop					
Badger, SD					
	*** Fertilizer blend 37.0-14.7-0		00N-03776		
		Commercial Value	142.	140.56	
		Overall Index Value	101.	100	
		Total Nitrogen, %	35.85	37.04	DEFICIENT
		Available Phosphate, %	17.16	14.72	
BCA Products					
Sleepy Eye, MN					
	*** Lawn Starter and Winterizer 18-24-6		00N-06309		
		Commercial Value	104.	108	
		Overall Index Value	96.5	100	DEFICIENT
		Total Nitrogen, %	18.03	18	
		Available Phosphate, %	21.28	24	DEFICIENT
		Soluble Potash, %	7.27	6	
Calcium Products Inc.					
Gilmore City, IA					
	Dry bulk fertilizer Gypsum SO4		00N-04616		
		Calcium, %	22.55	23	
		Sulfur, %	18.00	17	
Cargill Inc Fert Division					
Minneapolis, MN					
	Dry bulk fertilizer monoammonium phosphate 10-50-0		00N-05800		
		Commercial Value	132.	130	
		Overall Index Value	101.	100	
		Total Nitrogen, %	10.32	10	
		Available Phosphate, %	50.33	50	
Castlewood Farmers Elevator					
Castlewood, SD					
	*** Custom blend fertilizer 27.3-13.6-13.6		00N-03038		
		Commercial Value	128.	122.7	
		Overall Index Value	104.	100	
		Total Nitrogen, %	25.15	27.3	DEFICIENT
		Available Phosphate, %	19.58	13.6	
		Soluble Potash, %	12.93	13.6	
Cenex Farmers Union Oil					
Highmore, SD					
	Custom blend fertilizer 33.99-17.16-0		00N-04032		
		Commercial Value	139.	136.29	
		Overall Index Value	102.	100	
		Total Nitrogen, %	34.24	33.99	
		Available Phosphate, %	18.30	17.16	
Cenex Farmers Union Oil					
Bridgewater, SD					
	*** Custom blend fertilizer 34.38-11-5.5		00N-03912		
		Commercial Value	130.	130.64	
		Overall Index Value	99.2	100	
		Total Nitrogen, %	32.85	34.38	DEFICIENT
		Available Phosphate, %	12.02	11	
		Soluble Potash, %	7.15	5.5	
Cenex Harvest States					
St. Paul, MN					
	Dry bulk fertilizer 0-0-62 Granular potash		00N-05799		
		Soluble Potash, %	61.82	62	

*** = Misbranded

Manufacturer Location	Product	Analyte	Found	Claim
Cenex/Land O Lakes St. Paul, MN	Dry bulk fertilizer MAP 11-52-00		00N-02762	
		Commercial Value	142.	137
		Overall Index Value	104.	100
		Total Nitrogen, %	11.42	11
		Available Phosphate, %	53.82	52
	Dry bulk fertilizer potash 0-0-60		00N-02763	
		Soluble Potash, %	59.68	60
	Dry bulk fertilizer 18-46-0		00N-02805	
		Commercial Value	148.	146
		Overall Index Value	101.	100
		Total Nitrogen, %	17.82	18
		Available Phosphate, %	47.33	46
	Dry bulk fertilizer 46-0-0		00N-02806	
		Total Nitrogen, %	46.47	46
	Dry bulk fertilizer urea 46-0-0		00N-02995	
		Total Nitrogen, %	46.77	46
	Dry bulk fertilizer DAP 18-46-0		00N-02996	
		Commercial Value	151.	146
		Overall Index Value	103.	100
		Total Nitrogen, %	18.25	18
		Available Phosphate, %	47.91	46
	Dry bulk fertilizer urea 46-0-0		00N-02998	
		Total Nitrogen, %	46.50	46
	Dry bulk fertilizer 11-52-0		00N-03468	
		Commercial Value	137.	137
		Overall Index Value	100.	100
		Total Nitrogen, %	11.16	11
		Available Phosphate, %	52.00	52
	Dry bulk fertilizer 46-0-0		00N-03469	
		Total Nitrogen, %	46.42	46
	** Liquid fertilizer 10-34-0		00N-03517	
		Commercial Value	97.4	98
	Overall Index Value	99.4	100	
	Total Nitrogen, %	10.50	10	
	Available Phosphate, %	33.01	34	
			DEFICIENT	
Dry bulk fertilizer 46-0-0		00N-03682		
	Total Nitrogen, %	46.55	46	
Dry bulk fertilizer 18-46-0		00N-03683		
	Commercial Value	147.	146	
	Overall Index Value	101.	100	
	Total Nitrogen, %	18.13	18	
	Available Phosphate, %	46.36	46	
Dry bulk fertilizer 18-46-0		00N-03793		
	Commercial Value	146.	146	
	Overall Index Value	100.	100	
	Total Nitrogen, %	17.71	18	
	Available Phosphate, %	46.54	46	
Dry bulk fertilizer 46-0-0		00N-03794		
	Total Nitrogen, %	46.60	46	
Dry bulk fertilizer 46-0-0		00N-03931		
	Total Nitrogen, %	46.67	46	

** = Misbranded

Manufacturer Location	Product	Analyte	Found	Claim
	Dry bulk fertilizer 18-46-0		00N-03932	
		Commercial Value	147.	146
		Overall Index Value	101.	100
		Total Nitrogen, %	17.94	18
		Available Phosphate, %	46.48	46
	Liquid fertilizer 10-34-0		00N-03958	
		Commercial Value	97.9	98
		Overall Index Value	99.9	100
		Total Nitrogen, %	9.98	10
		Available Phosphate, %	33.99	34
	Dry bulk fertilizer urea 46-0-0		00N-04033	
		Total Nitrogen, %	46.37	46
	Liquid fertilizer 28-0-0		00N-04039	
		Total Nitrogen, %	27.41	28
	Liquid fertilizer 10-34-0		00N-04041	
		Commercial Value	97.8	98
		Overall Index Value	99.8	100
		Total Nitrogen, %	9.75	10
		Available Phosphate, %	34.27	34
	Liquid fertilizer 10-34-0		00N-04042	
		Commercial Value	99.5	98
		Overall Index Value	102.	100
		Total Nitrogen, %	10.09	10
		Available Phosphate, %	34.63	34
	Liquid fertilizer 32-0-0		00N-04044	
		Total Nitrogen, %	32.12	32
	Dry bulk fertilizer 18-46-0 DAP		00N-04732	
		Commercial Value	146.	146
		Overall Index Value	100.	100
		Total Nitrogen, %	17.73	18
		Available Phosphate, %	46.45	46
	Dry bulk fertilizer 46-0-0		00N-04733	
		Total Nitrogen, %	46.53	46
	Liquid fertilizer 28-0-0		00N-05398	
		Total Nitrogen, %	27.66	28
	Liquid fertilizer 28-0-0		00N-05880	
		Total Nitrogen, %	27.96	28
Cenex/Land O Lakes Ag Services Bismarck, ND				
	Cenex Plant Food 20-10-10		00N-05144	
		Commercial Value	116.	90
		Overall Index Value	129.	100
		Total Nitrogen, %	20.26	20
		Available Phosphate, %	22.69	10
		Soluble Potash, %	10.25	10
	Cenex Plant Food 18-46-0		00N-05145	
		Commercial Value	147.	146
		Overall Index Value	100.	100
		Total Nitrogen, %	17.74	18
		Available Phosphate, %	46.71	46

Manufacturer Location	Product	Analyte	Found	Claim
Centennial Ag Supply Company				
Kersey, CO				
	Liquid fertilizer 18.01-3.61-1.80		00N-04535	
	Commercial Value		62.9	63.05
	Overall Index Value		99.8	100
	Total Nitrogen, %		18.20	18.01
	Available Phosphate, %		3.04	3.61
	Soluble Potash, %		2.23	1.8
CF Industries Inc				
Long Grove, IL				
	Dry bulk fertilizer urea 46-0-0		00N-03913	
	Total Nitrogen, %		46.62	46
	Dry bulk fertilizer 11-52-0		00N-03915	
	Commercial Value		140.	137
	Overall Index Value		103.	100
	Total Nitrogen, %		11.29	11
	Available Phosphate, %		53.29	52
	Dry bulk fertilizer urea 46-0-0		00N-03917	
	Total Nitrogen, %		46.48	46
	Dry bulk fertilizer MAP 11-52-0		00N-04034	
	Commercial Value		140.	137
	Overall Index Value		102.	100
	Total Nitrogen, %		10.99	11
	Available Phosphate, %		53.34	52
	Dry bulk fertilizer Urea 46-0-0		00N-04048	
	Total Nitrogen, %		46.51	46
Coastal Chemical Inc				
Cheyenne, WY				
	Liquid fertilizer 32-0-0		00N-03515	
	Total Nitrogen, %		31.89	32
	Liquid fertilizer 32-0-0 N. Tank		00N-03516	
	Total Nitrogen, %		32.81	32
	Liquid fertilizer 32-0-0		00N-04640	
	Total Nitrogen, %		32.02	32
ConAgra Fertilizer Corp				
Shakopee, MN				
	Dry bulk fertilizer urea 46-0-0		00N-04030	
	Total Nitrogen, %		46.75	46
	Dry bulk fertilizer 46-0-0 urea		00N-05793	
	Total Nitrogen, %		46.14	46
Cone Ag Service				
Pierre, SD				
	Custom blend fertilizer 15-41-0-2S		00N-04035	
	Commercial Value		130.	127
	Overall Index Value		102.	100
	Total Nitrogen, %		15.48	15
	Available Phosphate, %		41.65	41
	Sulfur, %		4.69	2
Cooperative Agronomy Services				
Groton, SD				
	Dry bulk fertilizer 46-0-0		00N-02764	
	Total Nitrogen, %		46.67	46

Manufacturer Location	Product	Analyte	Found	Claim	
Country Partners Cooperative					
Sisseton, SD					
	Custom blend fertilizer 26.62-17.48-11.4		00N-03186		
		Commercial Value	127.	126.22	
		Overall Index Value	101.	100	
		Total Nitrogen, %	26.26	26.62	
		Available Phosphate, %	17.43	17.48	
		Soluble Potash, %	13.44	11.4	
Dakota Ag Coop					
Miller, SD					
	** Dry bulk fertilizer custom blend 35.08-17.94-0		00N-02994		
		Commercial Value	146.	141.12	
		Overall Index Value	103.	100	
		Total Nitrogen, %	32.53	35.08	DEFICIENT
		Available Phosphate, %	23.64	17.94	
Dakota Crawlers					
Hettinger, ND					
	Wiggle Worm Soil Builder 1-0-0		00N-04537		
		Calcium, %	0.89	1	
		Total Nitrogen, %	0.66	1	
Dakota Gasification Company					
Englewood, CO					
	Dry bulk fertilizer Ammonium Sulfate 21-0-0-24		00N-04038		
		Total Nitrogen, %	20.98	21	
		Sulfur, %	23.97	24	
Dakota Mill and Grain					
Midland, SD					
	Dry bulk fertilizer 46-0-0		00N-05971		
		Total Nitrogen, %	46.39	46	
	Dry bulk fertilizer 18-46-0		00N-05972		
		Commercial Value	148.	146	
		Overall Index Value	102.	100	
		Total Nitrogen, %	17.97	18	
		Available Phosphate, %	47.16	46	
Dakota Plains Ag Center LLC					
Scotland, SD					
	Custom blend fertilizer 37.4-14.1-0		00N-03687		
		Commercial Value	144.	140.4	
		Overall Index Value	102.	100	
		Total Nitrogen, %	37.47	37.4	
		Available Phosphate, %	15.59	14.1	
Dell Rapids Coop Grain					
Dell Rapids, SD					
	** Custom blend fertilizer 23.7-14.7-14.4-2.7S		00N-03916		
		Commercial Value	120.	114.94	
		Overall Index Value	104.	100	
		Total Nitrogen, %	24.67	23.7	
		Available Phosphate, %	16.41	14.72	
		Soluble Potash, %	12.69	14.4	DEFICIENT
		Sulfur, %	3.86	2.7	

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Manufacturer Location	Product	Analyte	Found	Claim	
Domestic Fertilizer Inc					
Paris, KY					
	KGro House Plant Food Sticks 13-4-5		00N-04492		
	Commercial Value		63.4	65	
	Overall Index Value		122.	100	
	Total Nitrogen, %		15.31	13	
	Available Phosphate, %		5.18	4	
	Soluble Potash, %		7.08	5	
	Fruit Tree Stakes 10-13-13		00N-04528		
	Chlorine, %		11.98	13	
	Commercial Value		91.1	69	
	Overall Index Value		132.	100	
	Total Nitrogen, %		14.41	10	
	Available Phosphate, %		16.02	13	
	Soluble Potash, %		15.82	13	
Easy Gardener					
Waco, TX					
	Jobes Plant Food Spikes 13-4-5		00N-03509		
	Commercial Value		63.8	52	
	Overall Index Value		123.	100	
	Total Nitrogen, %		15.27	13	
	Available Phosphate, %		5.39	4	
	Soluble Potash, %		7.19	5	
	Jobes Fertilizer Spikes - Evergreen Trees and Shrubs		00N-04621		
	Chlorine, %		4.02	4	
	Commercial Value		64.6	60	
	Overall Index Value		108.	100	
	Total Nitrogen, %		16.85	16	
	Available Phosphate, %		4.33	4	
	Soluble Potash, %		5.41	4	
	Jobes Plant Food Spikes 13-4-5		00N-07356		
	Commercial Value		65.3	52	
	Overall Index Value		126.	100	
	Total Nitrogen, %		16.11	13	
	Available Phosphate, %		5.32	4	
	Soluble Potash, %		6.32	5	
	** Jobes Fertilizer Spikes for Evergreen trees and shrubs		00N-09759		
	Chlorine, %		16.95	4	EXCESSIVE
	Commercial Value		70.0	60	
	Overall Index Value		117.	100	
	Total Nitrogen, %		11.84	16	DEFICIENT
	Available Phosphate, %		6.22	4	
	Soluble Potash, %		21.71	4	
	Jobes Food Spikes Flowers 10-10-4		01N-00026		
	Commercial Value		66.6	54	
	Overall Index Value		123.	100	
	Total Nitrogen, %		13.73	10	
	Available Phosphate, %		10.03	10	
	Soluble Potash, %		5.32	4	
	Jobes Plant Food Spikes - Houseplants		01N-00027		
	Commercial Value		60.8	53	
	Overall Index Value		117.	100	
	Total Nitrogen, %		13.90	13	
	Available Phosphate, %		5.63	4	
	Soluble Potash, %		7.86	5	

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Manufacturer Location	Product	Analyte	Found	Claim	
Eau Claire Coop Oil Company					
Eau Claire, WI					
	Award Lawn and Garden Fertilizer 10-10-10		00N-08384		
	Commercial Value		62.0	60	
	Overall Index Value		103.	100	
	Total Nitrogen, %		10.45	10	
	Available Phosphate, %		10.27	10	
	Soluble Potash, %		10.11	10	
	** Award Winterizer/Starter 13-16-20		00N-08385		
	Commercial Value		84.1	91	
	Overall Index Value		92.4	100	DEFICIENT
	Total Nitrogen, %		10.14	13	DEFICIENT
	Available Phosphate, %		15.82	16	
	Soluble Potash, %		22.00	20	
Estelline Coop Grain					
Estelline, SD					
	Custom blend dry fertilizer 27.7-18.4-9.3		00N-03035		
	Commercial Value		129.	129.2	
	Overall Index Value		99.9	100	
	Total Nitrogen, %		27.19	27.7	
	Available Phosphate, %		18.73	18.4	
	Soluble Potash, %		9.99	9.3	
Farmers and Merchants Coop Oil Co.					
Madison, SD					
	Liquid fertilizer 10-34-0		00N-03681		
	Commercial Value		97.8	98	
	Overall Index Value		99.8	100	
	Total Nitrogen, %		9.92	10	
	Available Phosphate, %		34.02	34	
Farmers Coop Assn					
Ethan, SD					
	Dry bulk fertilizer custom formula 36.58-14.72-0		00N-02807		
	Commercial Value		144.	139.18	
	Overall Index Value		103.	100	
	Total Nitrogen, %		37.26	36.58	
	Available Phosphate, %		16.11	14.72	
Farmers Coop Company					
Brookings, SD					
	** Custom blend fertilizer 38.72-11.96-0		00N-03528		
	Commercial Value		144.	140.08	
	Overall Index Value		103.	100	
	Total Nitrogen, %		37.28	38.72	DEFICIENT
	Available Phosphate, %		15.50	11.96	
Farmers Plant Food Inc					
Garretson, SD					
	Liquid fertilizer 32-0-0		00N-03534		
	Total Nitrogen, %		31.96	32	
	** Liquid fertilizer 10-34-0		00N-03788		
	Commercial Value		81.1	98	
	Overall Index Value		100.	100	
	Total Nitrogen, %		11.58	10	
	Available Phosphate, %		31.83	34	DEFICIENT
	Dry bulk fertilizer 21-0-0-24		00N-04617		
	Total Nitrogen, %		21.06	21	
	Sulfur, %		24.91	24	

** = Misbranded

Manufacturer Location	Product	Analyte	Found	Claim	
Farmers Plant Food Inc					
Wolsey, SD					
	** Liquid fertilizer 32-0-0		00N-03775		
	Total Nitrogen, %		27.69	32	DEFICIENT
	Liquid fertilizer 28-0-0 straight		00N-04665		
	Total Nitrogen, %		28.83	28	
	** Liquid fertilizer 10-34-0 straight material		00N-04678		
	Commercial Value		96.6	98	
	Overall Index Value		98.6	100	
	Total Nitrogen, %		10.54	10	
	Available Phosphate, %		32.54	34	DEFICIENT
	Liquid fertilizer 28-0-0 straight material		00N-04679		
	Total Nitrogen, %		27.60	28	
	Liquid fertilizer 28-0-0		00N-05406		
	Total Nitrogen, %		27.72	28	
Farmers Union Oil Co					
Faulkton, SD					
	Dry bulk fertilizer custom blend 32.66-0-17.40		00N-02997		
	Commercial Value		116.	132.78	
	Overall Index Value		101.	100	
	Total Nitrogen, %		32.46	32.66	
	Soluble Potash, %		19.06	17.4	
Farmers Union Oil Company					
Doland, SD					
	Dry bulk fertilizer custom blend 28.29-11.96-12		00N-02761		
	Commercial Value		125.	140.79	
	Overall Index Value		103.	100	
	Total Nitrogen, %		28.51	28.29	
	Available Phosphate, %		13.20	11.96	
	Soluble Potash, %		12.83	12	
Farmland Industries Inc					
Kansas City, MO					
	Dry bulk fertilizer 18-46-0		00N-03529		
	Commercial Value		148.	146	
	Overall Index Value		101.	100	
	Total Nitrogen, %		18.10	18	
	Available Phosphate, %		46.75	46	
Farmland Industries Inc					
Kansas City, MO					
	** Dry bulk fertilizer 18-46-0		00N-02759		
	Commercial Value		149.	146	
	Overall Index Value		102.	100	
	Total Nitrogen, %		19.97	18	
	Available Phosphate, %		44.07	46	DEFICIENT
	Dry bulk fertilizer 46-0-0		00N-02760		
	Total Nitrogen, %		46.76	46	
	Dry bulk fertilizer 46-0-0		00N-03530		
	Total Nitrogen, %		46.57	46	
	Dry bulk fertilizer 46-0-0		00N-04666		
	Total Nitrogen, %		46.44	46	

** = Misbranded

Manufacturer Location	Product	Analyte	Found	Claim
	Dry bulk fertilizer 10-50-0		00N-04667	
	Commercial Value		135.	130
	Overall Index Value		104.	100
	Total Nitrogen, %		10.85	10
	Available Phosphate, %		51.16	50
	Dry bulk fertilizer 46-0-0		00N-04736	
	Total Nitrogen, %		46.37	46
	Dry bulk fertilizer 18-46-0		00N-04737	
	Commercial Value		146.	146
	Overall Index Value		99.8	100
	Total Nitrogen, %		17.53	18
	Available Phosphate, %		46.55	46
Farmland Industries Inc				
Watertown, SD				
	Dry bulk fertilizer 18-46-0		00N-03036	
	Commercial Value		149.	146
	Overall Index Value		102.	100
	Total Nitrogen, %		17.97	18
	Available Phosphate, %		47.52	46
	Dry bulk fertilizer 46-0-0		00N-03037	
	Total Nitrogen, %		46.39	46
	Dry bulk fertilizer 46-0-0		00N-03039	
	Total Nitrogen, %		46.68	46
	Dry bulk fertilizer 18-46-00		00N-03040	
	Commercial Value		147.	146
	Overall Index Value		101.	100
	Total Nitrogen, %		17.80	18
	Available Phosphate, %		46.77	46
	Dry bulk fertilizer 46-0-0		00N-03777	
	Total Nitrogen, %		46.45	46
	Dry bulk fertilizer 18-46-0		00N-03778	
	Commercial Value		148.	146
	Overall Index Value		101.	100
	Total Nitrogen, %		18.17	18
	Available Phosphate, %		46.68	46
	Dry bulk fertilizer 18-46-0		00N-03786	
	Commercial Value		147.	146
	Overall Index Value		101.	100
	Total Nitrogen, %		17.75	18
	Available Phosphate, %		47.10	46
	Dry bulk fertilizer 46-0-0		00N-03787	
	Total Nitrogen, %		46.51	46
	Dry bulk fertilizer 18-46-0		00N-03790	
	Commercial Value		147.	146
	Overall Index Value		101.	100
	Total Nitrogen, %		18.06	18
	Available Phosphate, %		46.53	46
	Dry bulk fertilizer 46-0-0		00N-03791	
	Total Nitrogen, %		46.65	46
	Dry bulk fertilizer 18-46-00		00N-03796	
	Commercial Value		148.	146
	Overall Index Value		101.	100
	Total Nitrogen, %		18.02	18
	Available Phosphate, %		46.91	46
	Dry bulk fertilizer 46-0-0		00N-03797	
	Total Nitrogen, %		46.47	46

Manufacturer Location	Product	Analyte	Found	Claim	
	Dry bulk fertilizer 18-46-0		00N-03799		
		Commercial Value	148.	146	
		Overall Index Value	101.	100	
		Total Nitrogen, %	17.86	18	
		Available Phosphate, %	47.15	46	
	Dry bulk fertilizer 46-0-0		00N-03800		
		Total Nitrogen, %	46.32	46	
	** Custom blend fertilizer 35.08-17.94-0		00N-03955		
		Commercial Value	144.	141.12	
		Overall Index Value	102.	100	
		Total Nitrogen, %	37.82	35.08	
		Available Phosphate, %	15.06	17.94	DEFICIENT
	Dry bulk fertilizer 0-45-0		00N-09781		
		Available Phosphate, %	49.84	45	
	Dry bulk fertilizer potash 0-0-60		00N-09782		
		Soluble Potash, %	59.34	60	
Florence Farmers Elevator					
Florence, SD					
	Custom blend fertilizer 34.8-18.4-0		00N-03795		
		Commercial Value	145.	141.2	
		Overall Index Value	103.	100	
		Total Nitrogen, %	34.63	34.8	
		Available Phosphate, %	20.52	18.4	
Free Flow Fertilizer					
Maumee, OH					
	Sam's Choice Crabgrass Preventer 30-3-4		00N-01853		
		Commercial Value	98.8	100	
		Overall Index Value	98.8	100	
		Total Nitrogen, %	29.49	30	
		Available Phosphate, %	2.97	3	
		Soluble Potash, %	4.34	4	
	Fortify Tomato and Vegetable Food 8-10-8		00N-05984		
		Commercial Value	52.0	52	
		Overall Index Value	100.	100	
		Total Nitrogen, %	7.76	8	
		Available Phosphate, %	10.03	10	
		Soluble Potash, %	8.69	8	
Harrold Grain Company					
Harrold, SD					
	Dry bulk fertilizer 10-50-0 MAP		00N-04031		
		Commercial Value	140.	130	
		Overall Index Value	108.	100	
		Total Nitrogen, %	11.35	10	
		Available Phosphate, %	52.97	50	
Harvest Land Coop.					
Springfield, MN					
	Dry bulk fertilizer DAP 18-46-0		00N-03918		
		Commercial Value	148.	146	
		Overall Index Value	101.	100	
		Total Nitrogen, %	18.00	18	
		Available Phosphate, %	46.90	46	

** = Misbranded

Manufacturer Location	Product	Analyte	Found	Claim	
Hayti Farmers Elevator					
Hayti, SD					
	** Custom Blend Fertilizer 35.36-17.48-0		00N-03789		
		Commercial Value	142.	141.04	
		Overall Index Value	100.	100	
		Total Nitrogen, %	33.06	35.36	DEFICIENT
		Available Phosphate, %	21.50	17.48	
Hazel Farmers Elevator					
Hazel, SD					
	Custom blend fertilizer 36.2-16.1-0		00N-03785		
		Commercial Value	150.	140.8	
		Overall Index Value	106.	100	
		Total Nitrogen, %	35.92	36.2	
		Available Phosphate, %	21.00	16.1	
Helena Chemical Co.					
Bassett, NE					
	** Liquid fertilizer 8-20-4-3S		00N-04641		
		Commercial Value	69.2	68	
		Overall Index Value	102.	100	
		Total Nitrogen, %	8.32	8	
		Available Phosphate, %	18.76	20	DEFICIENT
		Soluble Potash, %	6.60	4	
		Sulfur, %	3.41	3	
Howard Johnsons Enterprises Inc					
Milwaukee, WI					
	Hardware Hank Turf Food 28-3-4		00N-02817		
		Commercial Value	96.2	94	
		Iron, %	1.54	1	
		Overall Index Value	102.	100	
		Total Nitrogen, %	28.90	28	
		Available Phosphate, %	2.89	3	
		Soluble Potash, %	3.77	4	
		Sulfur, %	3.64	2.94	
	** Hardware Hank All Purpose Fertilizer 10-10-10		00N-02818		
		Commercial Value	53.9	60	
		Overall Index Value	89.8	100	DEFICIENT
		Total Nitrogen, %	8.69	10	DEFICIENT
		Available Phosphate, %	8.92	10	DEFICIENT
		Soluble Potash, %	10.06	10	
	Hardware Hank Starter Fertilizer 12-22-14		00N-02819		
		Commercial Value	98.0	94	
		Iron, %	2.27	1	
		Overall Index Value	104.	100	
		Total Nitrogen, %	13.34	12	
		Available Phosphate, %	21.73	22	
		Soluble Potash, %	14.55	14	
		Sulfur, %	3.99	1.47	
	Garden Food 5-10-5		00N-06308		
		Commercial Value	50.2	40	
		Overall Index Value	125.	100	
		Total Nitrogen, %	6.45	5	
		Available Phosphate, %	12.79	10	
		Soluble Potash, %	5.26	5	

** = Misbranded

Manufacturer Location	Product	Analyte	Found	Claim	
IMC Kalium Ltd Belle Plaine, SK	Dry bulk fertilizer Potash 0-0-62		00N-07378		
		Soluble Potash, %	61.77	62	
Ironite Products Co. Humboldt, AZ	Ironite 1-0-0		00N-04534		
		Calcium, %	3.14	1	
		Iron, %	4.37	4.5	
		Magnesium, %	1.53	1	
		Total Nitrogen, %	2.65	1	
		Sulfur, %	5.65	5	
Jirdon Agri Chemicals Inc Morrill, NE	Vegetable Fertilizer 12-16-4		00N-04533		
		Commercial Value	74.5	72	
		Iron, %	1.43	1	
		Overall Index Value	103.	100	
		Total Nitrogen, %	12.04	12	
		Available Phosphate, %	16.48	16	
		Soluble Potash, %	5.41	4	
		Sulfur, %	13.48	10	
		Zinc, %	1.88	1	
	Valley Green Superior Custom Blend 28-8-10		00N-04536		
		Commercial Value	109.	110	
		Iron, %	1.38	1	
		Overall Index Value	99.4	100	
		Total Nitrogen, %	27.93	28	
		Available Phosphate, %	8.13	8	
		Soluble Potash, %	9.55	10	
		Sulfur, %	5.44	4	
		Johnsons Ranchers Supply Inc Wall, SD	Liquid fertilizer UAN 28-0-0		00N-04637
	Total Nitrogen, %			28.06	28
Knox Fertilizer Co Inc Knox, IN	Quality Select Prem Turf Food 27-3-3		00N-04512		
		Commercial Value	96.6	90	
		Overall Index Value	107.	100	
		Total Nitrogen, %	28.05	27	
		Available Phosphate, %	3.93	3	
	*** Quality Select Prem Weed and Feed 25-3-3		00N-04513		
		Commercial Value	73.6	84	
		Overall Index Value	87.6	100	
		Total Nitrogen, %	21.81	25	
		Available Phosphate, %	2.27	3	
	*** Quality Store Inc. Fertilizer 12-12-12		00N-04515		
		Commercial Value	53.4	43	
		Overall Index Value	74.2	100	
		Total Nitrogen, %	8.06	12	
		Available Phosphate, %	8.22	12	
Soluble Potash, %	13.00	12			

*** = Misbranded

Manufacturer Location	Product	Analyte	Found	Claim	
	Quality Select Premium Turf Food 27-3-3		00N-04516		
		Commercial Value	100.	90	
		Overall Index Value	111.	100	
		Total Nitrogen, %	28.98	27	
		Available Phosphate, %	4.26	3	
		Soluble Potash, %	4.76	3	
Land O Lakes Ag Services					
Volga, SD					
	** Custom blend fertilizer 30.78-15.18-7.8		00N-03930		
		Commercial Value	109.	130.5	
		Overall Index Value	99.1	100	
		Total Nitrogen, %	29.21	30.78	DEFICIENT
		Available Phosphate, %	16.63	15.18	
		Soluble Potash, %	9.34	7.8	
Lebanon Chemical Corp					
Lebanon, PA					
	Preen N' Green 9-17-9		00N-03134		
		Chlorine, %	7.42	8	
		Commercial Value	78.1	70	
		Overall Index Value	112.	100	
		Total Nitrogen, %	9.80	9	
		Available Phosphate, %	19.28	17	
		Soluble Potash, %	10.15	9	
	Greenview R Preen N Green R 9-17-9		00N-04522		
		Chlorine, %	7.21	8	
		Commercial Value	80.4	70	
		Overall Index Value	115.	100	
		Total Nitrogen, %	10.56	9	
		Available Phosphate, %	19.74	17	
		Soluble Potash, %	9.24	9	
Midwest Cooperatives					
Onida, SD					
	** Custom blend liquid fertilizer 26.5-8.5-0		00N-04045		
		Commercial Value	97.2	96.5	
		Overall Index Value	101.	100	
		Total Nitrogen, %	30.26	26.5	
		Available Phosphate, %	3.24	8.5	DEFICIENT
	Dry bulk fertilizer MAP 11-52-0		00N-04047		
		Commercial Value	139.	137	
		Overall Index Value	102.	100	
		Total Nitrogen, %	11.05	11	
		Available Phosphate, %	52.96	52	
Midwest Cooperatives					
Pierre, SD					
	Dry bulk fertilizer urea 46-0-0		00N-03212		
		Total Nitrogen, %	46.40	46	
	Dry bulk fertilizer MAP 11-52-0		00N-03213		
		Commercial Value	138.	137	
		Overall Index Value	101.	100	
		Total Nitrogen, %	10.94	11	
		Available Phosphate, %	52.75	52	
	** Custom blend fertilizer 27.45-27.56-0		00N-03214		
		Commercial Value	139.	137.47	
		Overall Index Value	101.	100	
		Total Nitrogen, %	29.89	27.45	
		Available Phosphate, %	24.82	27.56	DEFICIENT

** = Misbranded

Manufacturer Location	Product	Analyte	Found	Claim	
	** Liquid custom blend fertilizer 17.38-20.06-0		00N-04040		
		Commercial Value	90.7	92.26	
		Overall Index Value	98.3	100	
		Total Nitrogen, %	19.44	17.38	
		Available Phosphate, %	16.16	20.06	DEFICIENT
	Liquid fertilizer 10-34-0		00N-04043		
		Commercial Value	97.6	98	
		Overall Index Value	99.6	100	
		Total Nitrogen, %	10.30	10	
		Available Phosphate, %	33.35	34	
Midwest Valley Chemical					
Well Lake, IA					
	Dry bulk fertilizer sulfur 0-0-0-90		00N-03921		
		Sulfur, %	90.90	90	
Miracle-Gro Lawn Products Inc					
Port Washington, NY					
	Miracle-Gro Potting Mix		00N-03872		
		Total Nitrogen, %	1.96	0.14	
		Available Phosphate, %	0.41	0.14	
		Soluble Potash, %	0.58	0.14	
	Miracle-Gro Weed and Feed		00N-07352		
		Commercial Value	96.6	93	
		Overall Index Value	104.	100	
		Total Nitrogen, %	28.06	27	
		Available Phosphate, %	3.05	3	
		Soluble Potash, %	6.37	6	
		Sulfur, %	2.78	3	
Northern Plains Coop					
Eureka, SD					
	Custom blend fertilizer 36.2-16.1-0		00N-04731		
		Commercial Value	141.	140.8	
		Overall Index Value	100.	100	
		Total Nitrogen, %	35.74	36.2	
		Available Phosphate, %	17.11	16.1	
Nutra-Flo Company					
Sioux City, IA					
	** Liquid fertilizer 10-0-0-10 Zinc		00N-04638		
		Total Nitrogen, %	11.08	10	
		Zinc, %	8.27	10	DEFICIENT
	Liquid fertilizer 12-0-0-26 ATS		00N-04639		
		Total Nitrogen, %	12.58	12	
		Sulfur, %	26.02	26	
PCS Sales Inc.					
Saskatoon, Saskatche, CN					
	Dry bulk fertilizer potash 0-0-60		00N-03914		
		Soluble Potash, %	60.37	60	
	Dry bulk fertilizer potash 0-0-60		00N-04046		
		Soluble Potash, %	59.51	60	
PCS Sales Inc.					
Rocanville, SK					
	Dry bulk fertilizer potash 0-0-60		00N-02999		
		Soluble Potash, %	58.72	60	

** = Misbranded

Manufacturer Location	Product	Analyte	Found	Claim	
Pursell Industries Inc Sylacauga, AL					
	** Holland Bulb Booster Fertilizer 9-9-6		00N-00655		
		Chlorine, %	1.68	4.8	DEFICIENT
		Commercial Value, %	23.0	51	
		Overall Index Value, %	44.9	100	DEFICIENT
		Total Nitrogen, %	7.66	9	DEFICIENT
		Available Phosphate, %	6.81	9	DEFICIENT
		Soluble Potash, %	4.49	6	DEFICIENT
	Starter Fert 20-27-5		00N-03780		
		Commercial Value	126.	119	
		Overall Index Value	106.	100	
		Total Nitrogen, %	21.87	20	
		Available Phosphate, %	27.37	27	
		Soluble Potash, %	5.86	5	
	** K Gro Weed and Feed Premium 28-3-3		00N-04494		
		Commercial Value	98.5	93	
		Overall Index Value	106.	100	
		Total Nitrogen, %	30.40	28	
		Available Phosphate, %	2.13	3	DEFICIENT
		Soluble Potash, %	2.98	3	
	Ace Premium Lawn Fert 35-2-4		00N-05981		
		Commercial Value	119.	113	
		Overall Index Value	105.	100	
		Total Nitrogen, %	35.78	35	
		Available Phosphate, %	3.58	2	
		Soluble Potash, %	4.39	4	
	Holland Bulb Booster 9-9-6		00N-05987		
		Commercial Value	54.6	51	
		Overall Index Value	107.	100	
		Total Nitrogen, %	9.46	9	
		Available Phosphate, %	9.60	9	
		Soluble Potash, %	6.97	6	
	Ace Premium Lawn Fertilizer 35-2-4		00N-07351		
		Commercial Value	113.	113	
		Overall Index Value	100.	100	
		Total Nitrogen, %	34.97	35	
		Available Phosphate, %	2.14	2	
		Soluble Potash, %	4.00	4	
	Country Cottage Premium Weed and Feed 29-2-4		00N-09842		
		Commercial Value	102.	95	
		Overall Index Value	107.	100	
		Total Nitrogen, %	30.92	29	
		Available Phosphate, %	2.62	2	
		Soluble Potash, %	3.61	4	
Rapid Gro Products San Francisco, CA					
	Rapid Gro Plant Food 23-19-17		00N-08386		
		Commercial Value	126.	124	
		Overall Index Value	102.	100	
		Total Nitrogen, %	23.04	23	
		Available Phosphate, %	19.79	19	
		Soluble Potash, %	17.43	17	

** = Misbranded

Manufacturer Location	Product	Analyte	Found	Claim	
Richlawn Turf Food Inc					
Platteville, CO					
	All Purpose Plant Food		00N-09841		
		Commercial Value	44.0	40	
		Overall Index Value	110.	100	
		Total Nitrogen, %	4.92	5	
		Available Phosphate, %	10.12	10	
		Soluble Potash, %	9.05	5	
Ross Daniels/Weatherly Consumer Prod					
Lexington, KY					
	Ross Tree and Schrubbs Fert Stakes 16-10-9		00N-08387		
		Chlorine, %	7.15	9	
		Commercial Value	81.5	77	
		Overall Index Value	106.	100	
		Total Nitrogen, %	16.52	16	
		Available Phosphate, %	11.25	10	
		Soluble Potash, %	9.48	9	
Royster-Clark					
Madison, WI					
	** Dry bulk fertilizer 5-5-5		00N-04615		
		Commercial Value	34.2	30	
		Overall Index Value	114.	100	
		Total Nitrogen, %	3.88	5	DEFICIENT
		Available Phosphate, %	8.62	5	
		Soluble Potash, %	5.65	5	
Saskferco					
Belle Plaine, Sask., CN					
	Dry bulk fertilizer urea 46-0-0		00N-04976		
		Total Nitrogen, %	46.35	46	
	Dry bulk fertilizer urea 46-0-0		00N-05801		
		Total Nitrogen, %	46.31	46	
Schultz Co					
Bridgeton, MO					
	Schultz All Purpose Plant Food 20-30-20		00N-03865		
		Commercial Value	142.	140	
		Overall Index Value	101.	100	
		Total Nitrogen, %	19.56	20	
		Available Phosphate, %	32.02	30	
		Soluble Potash, %	19.35	20	
	Schultz Export Plant Food 20-30-20		00N-04954		
		Commercial Value	140.	140	
		Overall Index Value	99.9	100	
		Total Nitrogen, %	19.42	20	
		Available Phosphate, %	31.06	30	
		Soluble Potash, %	19.51	20	
	** Bloom Plus Water Soluble Plant Food 10-60-10		00N-06269		
		Commercial Value	156.	160	
		Overall Index Value	97.4	100	DEFICIENT
		Total Nitrogen, %	9.81	10	
		Available Phosphate, %	58.33	60	DEFICIENT
		Soluble Potash, %	10.43	10	

** = Misbranded

Manufacturer Location	Product	Analyte	Found	Claim	
Schultz Company					
St. Louis, MO					
	Schultz Plant Food Plus 10-15-10		00N-03126		
	Commercial Value		80.5	70	
	Overall Index Value		115.	100	
	Total Nitrogen, %		11.25	10	
	Available Phosphate, %		18.34	15	
	Soluble Potash, %		10.11	10	
	** Schultz 10-15-10 Plant Food Plus		00N-03511		
	Commercial Value		79.7	70	
	Overall Index Value		114.	100	
	Total Nitrogen, %		8.12	10	DEFICIENT
	Available Phosphate, %		23.69	15	
	Soluble Potash, %		8.07	10	DEFICIENT
	Schultz African Violet Plus 8-14-9		00N-05419		
	Commercial Value		62.2	61	
	Overall Index Value		102.	100	
	Total Nitrogen, %		7.95	8	
	Available Phosphate, %		14.53	14	
	Soluble Potash, %		9.29	9	
	Schultz Cactus Plus Plant Food 2-7-7		00N-05420		
	Commercial Value		31.9	27	
	Overall Index Value		118.	100	
	Total Nitrogen, %		2.78	2	
	Available Phosphate, %		7.79	7	
	Soluble Potash, %		7.94	7	
	Schultz Professional Potting Soil Plus .08-.12-.08		00N-05451		
	Commercial Value		1.9	0.56	
	Overall Index Value		336.	100	
	Total Nitrogen, %		0.43	0.08	
	Available Phosphate, %		0.15	0.12	
	Soluble Potash, %		0.28	0.08	
Scotts Company					
Marysville, OH					
	Osmocote		00N-00656		
	Commercial Value, %		71.9	78	
	Overall Index Value, %		92.2	100	DEFICIENT
	Total Nitrogen, %		19.63	18	
	Available Phosphate, %		6.51	6	
	Soluble Potash, %		12.78	12	
	Scotts Starter 20-27-5		00N-01855		
	Commercial Value		126.	119	
	Overall Index Value		106.	100	
	Total Nitrogen, %		21.68	20	
	Available Phosphate, %		27.88	27	
	Soluble Potash, %		5.19	5	
	Scotts Turf Builder 30-3-4		00N-03130		
	Commercial Value		104.	100	
	Overall Index Value		104.	100	
	Total Nitrogen, %		31.00	30	
	Available Phosphate, %		3.41	3	
	Soluble Potash, %		4.57	4	
	Sulfur, %		8.45	8.5	

** = Misbranded

Manufacturer Location	Product	Analyte	Found	Claim
	Scotts Super Turf Builder Lawn Fertilizer 30-3-3		00N-03506	
		Commercial Value	101.	99
		Overall Index Value	102.	100
		Total Nitrogen, %	30.45	30
		Available Phosphate, %	3.26	3
		Soluble Potash, %	3.60	3
	Scotts Turf Builder 29-3-4		00N-03871	
		Commercial Value	101.	97
		Overall Index Value	104.	100
		Total Nitrogen, %	29.86	29
		Available Phosphate, %	3.59	3
		Soluble Potash, %	4.08	4
		Sulfur, %	8.70	6
	Scotts Evergreen, Shrub, and Tree Food 31-3-10		00N-04493	
		Commercial Value	108.	109
		Overall Index Value	99.5	100
		Total Nitrogen, %	30.41	31
		Available Phosphate, %	2.90	3
		Soluble Potash, %	11.43	10
	Scotts Turf Builder with Plus Two Weed Control		00N-04619	
		Commercial Value	93.3	93
		Overall Index Value	100.	100
		Total Nitrogen, %	28.56	28
		Available Phosphate, %	2.46	3
		Soluble Potash, %	2.64	3
	Vegetable and Bedding Plant Food 14-14-14		00N-04939	
		Commercial Value	86.8	84
		Overall Index Value	103.	100
		Total Nitrogen, %	14.37	14
		Available Phosphate, %	14.86	14
		Soluble Potash, %	13.99	14
	Scotts All Purpose Plant Food 18-9-18		00N-05985	
		Commercial Value	94.5	90
		Overall Index Value	105.	100
		Total Nitrogen, %	19.11	18
		Available Phosphate, %	8.93	9
		Soluble Potash, %	19.35	18
		Sulfur, %	8.22	6.7
	Osmocote Outdoor and Indoor Plant Food 18-6-12		00N-06270	
		Commercial Value	83.6	78
		Overall Index Value	107.	100
		Total Nitrogen, %	19.10	18
		Available Phosphate, %	6.78	6
		Soluble Potash, %	12.77	12
	Scotts Super Turf Builder 30-3-3		00N-07353	
		Commercial Value	99.8	99
		Iron, %	2.37	1.8
		Overall Index Value	101.	100
		Total Nitrogen, %	29.77	30
		Available Phosphate, %	3.53	3
		Soluble Potash, %	3.38	3
		Sulfur, %	7.05	4.5
	Scotts II Turf Bldr W/ +2 Weed Control		00N-07354	
		Commercial Value	95.0	96
		Overall Index Value	98.9	100
		Total Nitrogen, %	28.30	29
		Available Phosphate, %	3.39	3
		Soluble Potash, %	3.30	3

Manufacturer Location	Product	Analyte	Found	Claim
Scotts Lawn Pro	Step 4 Fertilizer 31-3-10		00N-10621	
		Commercial Value	111.	109
		Iron, %	1.21	1
		Overall Index Value	102.	100
		Total Nitrogen, %	31.49	31
		Available Phosphate, %	3.38	3
		Soluble Potash, %	9.92	10
Scotts Miracle-Gro Prod Inc Port Washington, NY	Miracle-Gro 15-30-15		00N-03129	
		Chlorine, %	12.22	12.5
		Commercial Value	129.	120
		Overall Index Value	108.	100
		Total Nitrogen, %	15.48	15
		Available Phosphate, %	33.88	30
		Soluble Potash, %	15.01	15
Miracle-Gro Quick Start 4-12-4			00N-03131	
		Commercial Value	44.6	40
		Overall Index Value	112.	100
		Total Nitrogen, %	4.61	4
		Available Phosphate, %	13.02	12
		Soluble Potash, %	4.73	4
Miracle-Gro for Tomatoes 18-18-21			00N-03818	
		Commercial Value	116.	111
		Overall Index Value	104.	100
		Total Nitrogen, %	18.13	18
		Available Phosphate, %	19.72	18
		Soluble Potash, %	21.77	21
Miracle-Gro for Roses 18-24-16			00N-03948	
		Commercial Value	127.	118
		Overall Index Value	107.	100
		Total Nitrogen, %	18.87	18
		Available Phosphate, %	25.81	24
		Soluble Potash, %	18.60	16
Miracle-Gro Tree and Shrub Fertilizer Spikes 15-10-9			00N-04523	
		Commercial Value	76.3	74
		Overall Index Value	103.	100
		Total Nitrogen, %	15.34	15
		Available Phosphate, %	10.12	10
		Soluble Potash, %	10.04	9
** Miracle-Gro 15-30-15			00N-04938	
		Commercial Value	127.	120
		Overall Index Value	106.	100
		Total Nitrogen, %	14.96	15
		Available Phosphate, %	33.98	30
		Soluble Potash, %	13.95	15
Miracle-Gro House Plant Food			00N-05698	
		Commercial Value	48.1	78
		Overall Index Value	109.	100
		Total Nitrogen, %	8.84	8
		Available Phosphate, %	7.68	7
		Soluble Potash, %	6.18	6

DEFICIENT

** = Misbranded

Manufacturer Location	Product	Analyte	Found	Claim	
	Miracle Grow Plant Food 15-30-15		00N-05982		
		Commercial Value	123.	120	
		Overall Index Value	103.	100	
		Total Nitrogen, %	15.06	15	
		Available Phosphate, %	31.23	30	
		Soluble Potash, %	15.43	15	
	Miracle Gro Plant Spikes		00N-08490		
		Commercial Value	50.4	48	
		Overall Index Value	105.	100	
		Total Nitrogen, %	6.15	6	
		Available Phosphate, %	12.87	12	
		Soluble Potash, %	6.26	6	
	Miracle Grow All Purpose Water Soluble Plant Food		00N-09758		
		Commercial Value	125.	120	
		Overall Index Value	104.	100	
		Total Nitrogen, %	15.07	15	
		Available Phosphate, %	31.99	30	
		Soluble Potash, %	15.73	15	
	Miracid 30-10-10		01N-00028		
		Chlorine, %	5.90	7	
		Commercial Value	129.	120	
		Overall Index Value	108.	100	
		Total Nitrogen, %	31.90	30	
		Available Phosphate, %	11.70	10	
		Soluble Potash, %	10.07	10	
	Miracle Grow Lawn Food 36-6-6		01N-00029		
		Commercial Value	139.	126	
		Overall Index Value	111.	100	
		Total Nitrogen, %	39.49	36	
		Available Phosphate, %	5.94	6	
		Soluble Potash, %	8.90	6	
Scrypton Systems Inc					
Annapolis, MD					
	Ocean Gro Plant Food 4-4-4		00N-10624		
		Commercial Value	28.4	24	
		Overall Index Value	118.	100	
		Total Nitrogen, %	4.08	4	
		Available Phosphate, %	5.67	4	
		Soluble Potash, %	4.82	4	
SD Wheat Growers Assn					
Aberdeen, SD					
	** Liquid fertilizer 10-34-0 Straight		00N-04664		
		Commercial Value	94.8	98	
		Overall Index Value	96.7	100	DEFICIENT
		Total Nitrogen, %	9.91	10	
		Available Phosphate, %	32.42	34	DEFICIENT
	Liquid fertilizer 28-0-0 straight		00N-04668		
		Total Nitrogen, %	28.17	28	
	** Liquid fertilizer 10-34-0 straight		00N-04669		
		Commercial Value	97.2	98	
		Overall Index Value	99.2	100	
		Total Nitrogen, %	11.01	10	
		Available Phosphate, %	32.00	34	DEFICIENT

** = Misbranded

Manufacturer Location	Product	Analyte	Found	Claim	
	Custom blend fertilizer 34.8-18.4-0		00N-04738		
		Commercial Value	142.	141.2	
		Overall Index Value	101.	100	
		Total Nitrogen, %	34.51	34.8	
		Available Phosphate, %	19.21	18.4	
SD Wheat Growers Assn					
Huron, SD					
	*** Liquid fertilizer 10-34-0		00N-05405		
		Commercial Value	92.2	98	
		Overall Index Value	94.2	100	DEFICIENT
		Total Nitrogen, %	19.08	10	
		Available Phosphate, %	17.51	34	DEFICIENT
	Liquid fertilizer		00N-08083		
		Commercial Value	99.6	98	
		Overall Index Value	102.	100	
		Total Nitrogen, %	10.26	10	
		Available Phosphate, %	34.41	34	
SD Wheat Growers Assn					
Mellette, SD					
	*** Dry bulk fertilizer custom blend 29.48-27.14-0		00N-02758		
		Commercial Value	144.	142.72	
		Overall Index Value	101.	100	
		Total Nitrogen, %	38.37	29.48	
		Available Phosphate, %	14.36	27.14	DEFICIENT
Sinai Coop Elevator					
Sinai, SD					
	Custom mix fertilizer 0-26.99-24.02		00N-09780		
		Commercial Value	79.3	51.01	
		Overall Index Value	102.	100	
		Available Phosphate, %	26.94	26.99	
		Soluble Potash, %	25.43	24.02	
Soda Springs Phosphate					
Soda Springs, ID					
	Dry bulk fertilizer 0-3-0		00N-04614		
		Available Phosphate, %	4.43	3	
Solaris Group					
San Ramon, CA					
	Ortho Yard Basics AP Plant Fertilizer 8-8-8		00N-03503		
		Commercial Value	51.3	48	
		Overall Index Value	107.	100	
		Total Nitrogen, %	8.52	8	
		Available Phosphate, %	8.64	8	
		Soluble Potash, %	8.48	8	
Spectrum Group-Div of United Industries					
St. Louis, MO					
	Peters Specialties Orchid Food 30-10-10		00N-09840		
		Commercial Value	124.	120	
		Overall Index Value	103.	100	
		Total Nitrogen, %	31.39	30	
		Available Phosphate, %	9.39	10	
		Soluble Potash, %	10.79	10	

*** = Misbranded

Manufacturer Location	Product	Analyte	Found	Claim
Storla Coop				
Letcher, SD				
	Custom blend fertilizer 25-31.2-0		00N-03467	
	Commercial Value		140.	137.4
	Overall Index Value		102.	100
	Total Nitrogen, %		26.03	25
	Available Phosphate, %		31.19	31.2
Tilbury Grain and Trucking Ltd.				
Melte Manitoba, CN				
	Dry bulk fertilizer potash 0-0-60		00N-03919	
	Soluble Potash, %		59.10	60
TruServ Corporation				
Chicago, IL				
	Green Thumb Premium Weed and Feed Lawn Feed 28-3-3		00N-03505	
	Commercial Value		98.6	93
	Overall Index Value		106.	100
	Total Nitrogen, %		29.20	28
	Available Phosphate, %		3.43	3
	Soluble Potash, %		4.14	3
	Green Thumb Bone Meal 4-12-0		00N-05983	
	Commercial Value		43.6	36
	Overall Index Value		121.	100
	Total Nitrogen, %		6.16	4
	Available Phosphate, %		12.55	12
	Green Thumb Summerized Lawn Fert 15-2-3		00N-08494	
	Commercial Value		59.2	52
	Overall Index Value		114.	100
	Total Nitrogen, %		17.20	15
	Available Phosphate, %		2.24	2
	Soluble Potash, %		3.15	3
United Horticultural Supply				
Fremont, NE				
	Duragro Vegetable Flower Garden Fertilizer 6-12-12		00N-03947	
	Commercial Value		85.3	54
	Overall Index Value		158.	100
	Total Nitrogen, %		10.57	6
	Available Phosphate, %		19.76	12
	Soluble Potash, %		14.05	12
United Suppliers Inc.				
Eldora, IA				
	Dry bulk fertilizer Urea 46-0-0		00N-04036	
	Total Nitrogen, %		46.48	46
Voluntary Purchasing Groups				
Bonham, TX				
	*** Dutch Bulb Food 7-8-5		00N-04529	
	Chlorine, %		1.78	5
	Commercial Value		50.0	42
	Overall Index Value		119.	100
	Total Nitrogen, %		8.09	7
	Available Phosphate, %		10.62	8
	Soluble Potash, %		4.57	5

*** = Misbranded

Manufacturer Location	Product	Analyte	Found	Claim	
	Geranium, Hanging Basket and Pansy 'Fertilome' 20-20-20		00N-04530		
		Commercial Value	122.	120	
		Overall Index Value	102.	100	
		Total Nitrogen, %	19.72	20	
		Available Phosphate, %	21.00	20	
		Soluble Potash, %	20.84	20	
	Natural Guard Granular Natural Fertilizer 9-4-4		00N-04545		
		Commercial Value	43.6	39	
		Overall Index Value	112.	100	
		Total Nitrogen, %	8.80	9	
		Available Phosphate, %	5.87	4	
		Soluble Potash, %	5.51	4	
Wallace Farmers Elevator Wallace, SD					
	** Custom blend fertilizer 27.88-20.7-7.2		00N-03798		
		Commercial Value	86.3	132.24	
		Overall Index Value	65.3	100	DEFICIENT
		Total Nitrogen, %	26.69	27.88	DEFICIENT
		Available Phosphate, %	23.25	20.7	
		Soluble Potash, %	6.87	7.2	
Watertown Coop Elevator Watertown, SD					
	Custom blend fertilizer 34.8-18.4-0		00N-03792		
		Commercial Value	142.	141.2	
		Overall Index Value	100.	100	
		Total Nitrogen, %	34.42	34.8	
		Available Phosphate, %	19.20	18.4	
Watertown Coop Elevator-Bruce Branch Bruce, SD					
	** Custom blend fertilizer 36.6-12.42-2.4		00N-03684		
		Commercial Value	140.	137.04	
		Overall Index Value	102.	100	
		Total Nitrogen, %	34.94	36.6	DEFICIENT
		Available Phosphate, %	15.60	12.42	
		Soluble Potash, %	3.28	2.4	
Weatherly Consumer Products Lexington, KY					
	Jobes Plant Food Spikes		00N-08489		
		Commercial Value	61.3	54	
		Overall Index Value	114.	100	
		Total Nitrogen, %	11.38	10	
		Available Phosphate, %	10.83	10	
		Soluble Potash, %	5.54	4	
Western Consolidated Coop Appleton, MN					
	Liquid fertilizer 10-34-0		00N-03953		
		Commercial Value	97.8	98	
		Overall Index Value	99.8	100	
		Total Nitrogen, %	10.17	10	
		Available Phosphate, %	33.63	34	

** = Misbranded

Sample Count Report

Fertilizers Sampled From 01/01/2000 To 12/31/2000

08-Mar-01

Manufacturer and Location			Sample	Passed	Not
Agriliance, LLC	St. Paul	MN	3	3	0
Agrium	Denver	CO	2	2	0
Agrium Conda Phosphate Operations	Soda Springs	ID	1	1	0
AH Hoffman Inc	Landisville	PA	4	4	0
Aim Lawn & Garden Products	Avon Lake	OH	2	1	1
Alaska Fish Fertilizer	Renton	WA	1	1	0
Alljack	St. Louis	MO	1	1	0
American MicroTrace Corp	Houston	TX	1	1	0
Andersons (The) Lawn Fert Div	Maumee	OH	1	1	0
Badger Farmers Coop	Badger	SD	1	0	1
BCA Products	Sleepy Eye	MN	1	0	1
Calcium Products Inc.	Gilmore City	IA	1	1	0
Cargill Inc Fert Division	Minneapolis	MN	1	1	0
Castlewood Farmers Elevator	Castlewood	SD	1	0	1
Cenex	Highmore	SD	1	1	0
Cenex Farmers Union Oil	Bridgewater	SD	1	0	1
Cenex Harvest States	St. Paul	MN	1	1	0
Cenex/Land O Lakes	St. Paul	MN	26	25	1
Cenex/Land O Lakes Ag Services	Bismarck	ND	2	2	0
Centennial Ag Supply Company	Kersey	CO	1	1	0
CF Industries Inc	Long Grove	IL	5	5	0
Coastal Chemical Inc	Cheyenne	WY	3	3	0
ConAgra Fertilizer Corp	Shakopee	MN	2	2	0
Cone Ag Service	Pierre	SD	1	1	0
Cooperative Agronomy Services	Groton	SD	1	1	0
Country Partners Cooperative	Sisseton	SD	1	1	0
Dakota Ag Coop	Miller	SD	1	0	1
Dakota Crawlers	Hettinger	ND	1	1	0
Dakota Gasification Company	Englewood	CO	1	1	0
Dakota Mill and Grain	Midland	SD	2	2	0
Dakota Plains Ag Center LLC	Scotland	SD	1	1	0
Dell Rapids Coop Grain	Dell Rapids	SD	1	0	1
Domestic Fertilizer Inc	Paris	KY	2	2	0
Easy Gardener	Waco	TX	6	5	1
Eau Claire Coop Oil Company	Eau Claire	WI	2	1	1
Estelline Coop Grain	Estelline	SD	1	1	0
Farmers and Merchants Coop Oil Co.	Madison	SD	1	1	0
Farmers Coop Assn	Ethan	SD	1	1	0
Farmers Coop Company	Brookings	SD	1	0	1

Manufacturer and Location			Sample	Passed	Not
Farmers Plant Food Inc	Garretson	SD	3	2	1
Farmers Plant Food Inc	Wolsey	SD	5	3	2
Farmers Union	Faulkton	SD	1	1	0
Farmers Union Oil Company	Doland	SD	1	1	0
Farmland Industries	Kansas City	MO	1	1	0
Farmland Industries Inc	Kansas City	MO	7	6	1
Farmland Industries Inc	Watertown	SD	17	16	1
Florence Farmers Elevator	Florence	SD	1	1	0
Free Flow Fertilizer	Maumee	OH	2	2	0
Harrold Grain Company	Harrold	SD	1	1	0
Harvest Land Coop.	Springfield	MN	1	1	0
Hayti Farmers Elevator	Hayti	SD	1	0	1
Hazel Farmers Elevator	Hazel	SD	1	1	0
Helana Chemical Co.	Bassett	NE	1	0	1
Howard Johnsons Enterprises Inc	Milwaukee	WI	4	3	1
Hyponex Corporation	Marysville	OH	1	1	0
IMC Kalium Ltd	Belle Plaine	SK	1	1	0
Ironite Products Co.	Humboldt	AZ	1	1	0
Jirdon Agri Chemicals Inc	Morrill	NE	2	2	0
Johnsons Ranchers Supply Inc	Wall	SD	1	1	0
Knox Fertilizer Co Inc	Knox	IN	4	2	2
Land O Lakes Ag Services	Volga	SD	1	0	1
Lebanon Chemical Corp	Lebanon	PA	2	2	0
Midwest Cooperatives	Onida	SD	2	1	1
Midwest Cooperatives	Pierre	SD	5	3	2
Midwest Valley Chemical	Well Lake	IA	1	1	0
Miracle Gro Lawn Products	Port	NY	2	2	0
	Washington				
Northern Plains Coop	Eureka	SD	1	1	0
Nutra-Flo Company	Sioux City	IA	2	1	1
PCS Sales	Saskatoon,	CN	2	2	0
PCS Sales Inc.	Rocanville	SK	1	1	0
Pursell Industries Inc	Sylacauga	AL	7	5	2
Rapid Gro Products	San Francisco	CA	1	1	0
Richlawn Turf Food Inc	Platteville	CO	1	1	0
Ross Daniels/Weatherly Consumer Prod	Lexington	KY	1	1	0
Royster-Clark	Madison	WI	1	0	1
Saskferco	Belle Plaine, Sask.	CN	2	2	0
Schultz Co	Bridgeton	MO	3	2	1
Schultz Company	St. Louis	MO	5	4	1
Scotts Company	Marysville	OH	13	13	0
Scotts Miracle-Grow	Port	NY	12	11	1
	Washington				
Scrypton Systems Inc	Annapolis	MD	1	1	0
SD Wheatgrowers Assn	Aberdeen	SD	4	2	2
SD Wheatgrowers Assn	Huron	SD	2	1	1

Manufacturer and Location			Sample	Passed	Not
SD Wheatgrowers Assn	Mellette	SD	1	0	1
Sinai Coop Elevator	Sinai	SD	1	1	0
Soda Springs Phosphate	Soda Springs	ID	1	1	0
Solaris Group	San Ramon	CA	1	1	0
Spectrum Group-Div of United Industries	St. Louis	MO	1	1	0
Storla Coop	Letcher	SD	1	1	0
Tilbury Grain and Trucking Ltd.	Melte Manitoba	CN	1	1	0
Truserv Corporation	Chicago	IL	3	3	0
United Horticultural Supply	Fremont	NE	1	1	0
United Suppliers Inc.	Eldora	IA	1	1	0
Voluntary Purchasing Groups	Bonham	TX	3	2	1
Wallace Farmers Elevator	Wallace	SD	1	0	1
Watertown Coop Elevator	Watertown	SD	1	1	0
Watertown Coop Elevator-Bruce Branch	Bruce	SD	1	0	1
Weatherly Consumer Products	Lexington	KY	1	1	0
Western Consolidated Coop	Appleton	MN	1	1	0
Totals:			240	199	41

Percent Passed: 82.9%

Percent Not 17.1%

Regulatory Analyte Totals

Fertilizers Samples	nme_name	Units	Received From 01/01/2000 To 12/31/2000
Ammonia Nitrogen	ammoni_w	mg/L (ppm)	2
Calcium	fert_ca	%	5
Chlorine	fert_cl	%	14
Commercial Value	fert_com		167
Iron	fert_fe	%	8
Overall Index Value	fert_idx		167
Magnesium	fert_mg	%	3
Total Nitrogen	fert_nit	%	221
Available Phosphate	fert_phs	%	169
Soluble Potash	fert_pot	%	113
Sulfur	fert_sul	%	21
Zinc	fert_zn	%	3
Nitrate Nitrogen	nitrat_w	mg/L (ppm)	2
Total Nitrogen	nitrog_w	mg/L (ppm)	2
Phosphorous	phosph_w	mg/L (ppm)	2
Potassium	potas_w	mg/L (ppm)	2