

*The
Connecticut
Agricultural
Experiment
Station,
New Haven*

**Analysis of
Fertilizer Products
Sold in Connecticut
2002**

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From January 1, 2002 to December 31, 2002 the Department of Analytical Chemistry at The Connecticut Agricultural Experiment Station analyzed 213 samples of fertilizers available for sale in Connecticut. Samples included products offered for sale to commercial agricultural operations as well as products for household use. The analyses are intended to determine that the products are in accordance with the stated label guarantees. The samples were collected by John Schneider and Alton van Dyke of the Connecticut Department of Agriculture and were analyzed by Craig Musante and Mamie Pyles under the direction of Dr. David Stilwell.

Products from 42 manufacturers are included in the accompanying table. A total of 77 samples (36%) were determined to be deficient in one or more guaranteed parameters. Specifically, 47 were deficient in nitrogen (22.1%); 11 were deficient in phosphorus (5.2%); and 13 were deficient in potassium (6.1%). Twenty samples (9.4%) were deficient in one or more micronutrients. A parameter is considered to be unsatisfactory if the value is below the guaranteed value by more than the permissible percentage established by the Association of American Plant Food Control Officials. The results of the analyses are summarized in the table. All results are in percent values unless otherwise indicated. Deficiencies are indicated by a minus (-) sign next to the found percent values shown in the columns headed by %F or next to the micronutrient values. The label guarantee is specified in the columns headed by %G.

Table 1. Manufacturer and sample description and percentages guaranteed and found for nitrogen, P2O5 and K2O found in fertilizer samples during 2002.

Manufacturer/ Sample description	Nitrogen		%G	P2O5		%G	K2O	
	%G	%F		%F	%F		%F	
AGWAY OF PLAINFIELD CROP CENTER								
ASP AG Products	10	9.8	10	8.5-	10	11.7		
Agway Bulk Blend	31	32	10	11	10	11.5		
Agway Bulk Blend	31	31.1	10	10.7	10	13.2		
Agway Bulk Blend	22	22.8	8	8.9	23	26.4		
Agway Bulk Blend	22	21.2	8	9.6	23	28.1		
Agway Bulk Blend	28	26.5-	4	13.1	19	12.4-		
Agway Bulk Blend	28	26.3-	4	13.3	19	13.3-		
Agway Bulk Blend	16	13.3-	0		40	45.8		
Agway Bulk Blend	16	13.7-	0		40	45.8		
Agway Bulk Blend	24	27.6	12	4.9-	18	21		
Agway Bulk Blend	24	26.2	12	5.5-	18	23.4		
Agway Bulk Blend	18	16.4-	18	20.3	18	23.7		
Agway Bulk Blend	18	16.2-	18	22.1	18	22.5		
Agway Bulk Blend	7	7.4	27	30.7	11	11.2		
Agway Bulk Blend	7	7.5	27	32.3	11	10.7		
Agway Bulk Blend, mini bulk	24	24.3	12	15.7	18	17.9		
Agway Bulk Blend	26	28.5	0		26	24.7		
Agway Bulk Blend	26	28.5	0		26	24.8		
Agway Bulk Blend	7	9.2	31	37.1	23	22.5		
Agway Bulk Blend	7	8.6	31	36.7	23	23.1		
ACP Ag Products	10	8.8-	10	9.9	10	10.3		
Agway Bulk Blend	31	33.4	10	11.2	10	9.9		
Agway Bulk Blend	31	31.5	10	11.5	10	12.1		
Agway Bulk Bag	24	23.4	12	12	18	26.4		
Agway Bulk Bag	13	14.5	13	19.8	13	7.4-		
Agway Bulk Bag	19	23.3	19	19.1	19	18.6		
Agway Bulk Bag	7	7.2	30	31.9	22	24.3		
Agway Bulk Bag	22	21.4	10	10.9	10	11.6		
Agway Bulk Blend	32	33.9	8	9.7	10	10.7		
Agway Bulk Blend	32	33.5	8	8.4	10	12.2		
Agway Bulk Blend	7	8	27	29.6	11	12.5		
Agway Bulk Blend	31	28.3-	0		15	20.5		
Agway Bulk Blend	28	24.4-	2	5.2	20	25.2		
Agway Bulk Blend	29	28.7	11	13.5	11	18.4		
Agway Bulk Blend	18.5	15.9-	0		37.1	48.8		
Agway Bulk Blend, mini bulk	10	5.6-	10	7.3-	10	11.4		
Agway Bulk Blend	32	32.2	6	8.5	12	13.7		
AGWAY, INC.								
Agway Blend-Rite	19	22.2	19	18.2	19	18.2		
Agway Bulk Blend	24	26.8	12	14	18	20.6		
Agway Bulk Blend	24	23-	12	12.7	18	24.3		
Agway Blend-Rite	28	28.5	7	6.5	14	15.6		
Agway Blend-Rite	10	8.6-	20	26.4	10	11.7		
Agway Early-Edge	13	13	13	15.9	13	16		
Agway Blend-Rite	28	28.3	7	7.8	14	18.3		
Agway Blend-Rite	5	6.4	10	13.1	10	15.5		
Agway Blend-Rite	15	26.5	8	12.3	12	8.9-		
Agway Blend-Rite	15	14.6	15	15.3	15	14.7		

Table 1 (continued). Manufacturer and sample description and percentages guaranteed and found for nitrogen, P2O5 and K2O found in fertilizer samples during 2002.

Manufacturer/ Sample description	Nitrogen		P2O5		K2O	
	%G	%F	%G	%F	%G	%F
Agway C/S	10	10.1	20	27.5	10	11.5
Agway Blend-Rite	15	11.8-	8	9.3	12	14.6
Agway Blend-Rite	24	24.4	12	15.5	18	19.4
Agway Bulk Blend	23	23.1	7	9.5	23	27.4
Agway Bulk Blend	23	20.5-	7	9.6	23	29.2
Agway Bulk Blend	22	22.3	11	13.3	22	26
Agway Bulk Blend	22	22.7	11	11.6	22	24.6
Agway Bulk Blend	28	25.8-	7	10.5	14	16.3
Agway Bulk Blend	28	28.7	7	10.4	14	12.6-
Agway Bulk Blend	23	23.3	12	14.7	18	21.2
Agway Bulk Blend	23	23.6	12	14.1	18	19.8
Agway Bulk Blend	15	10.4-	7	6.3	12	13.8
Agway Bulk Blend	15	11.6-	7	6.7	12	13.4
Agway Bulk Blend	10	9.6	10	9.3	10	9.7
Agway Bulk Blend	10	9.9	10	11.2	10	11.1
Agway Bulk Blend	22.8	23.4	9.1	10.9	23	28.9
Agway Bulk Blend	22.8	24.1	9.1	11	23	21.2-
Agway Bulk Blend	31	31	10	12.8	10	12.9
Agway Bulk Blend	31	28.4-	10	14.3	10	12.5
Agway Organic Lawn Food	8	8.1	2	6.3	4	4.1
Agway Greenlawn Lawn Starter	13	12.6	25	30.1	12	12.5
Agway Stage 4 Winterizer Fert.	25	25.7	3	5.7	13	13.1
Agway Greenlawn Lawn Fert.	32	32.2	3	3.7	5	5.1
Agway Blend-Rite	5	6.5	10	10.1	5	6.1
Agway Organic Plant Food	4	5.7	5	5.3	4	3.8
Agway Super Garden Plant Food	12	12.3	24	25.2	12	12.1
Agway Blend-Rite	10	11.8	20	26.5	20	19.7
Agway Blend-Rite	10	15.3	6	7.8	4	5.4
Agway Blend-Rite	5	5.2	10	8.7-	5	5.7
Agway Early Edge	10	8.4-	20	28.6	20	27.2
Agway Blend-Rite	25	30.4	0		25	26.8
ALASKA KELP CO.						
Garden Grog	0.14	0.13	0.5	0.065	1	1.5
BIOGANIC SAFETY BRANDS, INC.						
Biorganic All-Purp. Plant Food	5	5.6	5	8.7	5	6.3
St. Gabriel Labs. Perennial Fert.	12	13.4	8	13.4	6	7.8
BONIDE PRODUCTS, INC.						
Bonide Fish Emulsion	2	2.1	4	4.6	0.05	0.36
BOURDEAU BROS. INC.						
Bourdeau Bros. Fertilizer	10	11.3	10	11.9	10	10.2
COAST OF MAINE ORGANIC FERTILIZER PRODUCTS						
Coast of Maine Fermented Salmon Organic	1.4	1.4	0.2	0.8	0.2	0.24

Table 1 (continued). Manufacturer and sample description and percentages guaranteed and found for nitrogen, P2O5 and K2O found in fertilizer samples during 2002.

Manufacturer/ Sample description	Nitrogen		%G	P2O5		K2O	
	%G	%F		%G	%F	%G	%F
CROP PRODUCTION SERVICES (NY)							
CPS Fertilizer	18	19.6	2	3	25	25.4	
CPS Fertilizer	13	13.8	13	10.9-	13	14.7	
CPS Fertilizer	26	23.3-	0		26	33.1	
CPS Fertilizer	20	18-	10	9.7	20	10.7-	
CPS Moriate Potash	0		0		61	70.9	
CPS Fertilizer	10	5.1-	10	7.4-	10	11.6	
CPS Fertilizer	15	10.5-	8	7.8	12	11.7	
CPS Fertilizer	2.5	3.1	0		28	30	
CPS Fertilizer	12	10-	12	11.9	28	31.5	
CPS Fertilizer	6	4.2-	12	8.2-	12	10.4-	
CROP PRODUCTION SERVICES (CT)							
CPS Fertilizer	15	14.7	30	35.3	15	20.5	
CPS Fertilizer	10	8.7-	8	7.5	10	13.1	
Village Green Fertilizer	18	15.8-	11	10.4	17	21.7	
CPS Fertilizer	10	7.2-	20	15.8-	20	29.7	
Village Green Fertilizer	25	18.8-	5	5.3	5	6.7	
CPS Fertilizer	15	9.8-	15	14.6	15	19.4	
CRYSTAL CO.							
Throw & Grow Time-Release Fertilizer							
	20	24.1	4	6.9	10	9.9	
DECARAN AG. SUPPLIES							
DeCran Deluxe	10	7.3-	6	5.5	4	7.2	
DeCran Fertilizer	5	4.9	10	11.4	10	11.7	
DeCran Fertilizer	5	4.3-	10	11.4	5	12.6	
DOMESTIC FERTILIZER, INC.							
Tree Food Stakes	15	15.7	7	7.5	6	5.6	
EASY GARDENER, INC.							
Jobe's Fert. Spikes for Tomatoes	8	12.2	24	25.6	8	10.1	
FRANK'S NURSERY & CRAFTS, INC.							
Frank's Lawn Food	32	31.7	4	5.6	8	9.8	
Frank's Garden Food	5	5.6	10	13	5	6.2	
Frank's Lawn & Garden Food	12	12.8	12	16.6	12	12.1	
Frank's Lawn Food	32	29.2-	4	4.8	8	11.8	
Frank's Garden Food	5	4.5	10	10.4	5	5.4	
Frank's Lawn & Garden Food	12	11.9	12	16.9	12	12.7	
Frank's Fall Lawn Food	26	21.6-	4	3.9	14	13.7	
Frank's Seed Starter	18	17.6	24	26	6	8.2	
FREE-FLOW FERTILIZER							
Sam's Choice Lawn Food	29	28.2	3	3.7	4	4.1	
Green Ac. Lawn, Garden, & Shrub Food	12	10.4-	12	13.3	12	12.3	

Table 1 (continued). Manufacturer and sample description and percentages guaranteed and found for nitrogen, P2O5 and K2O found in fertilizer samples during 2002.

Manufacturer/ Sample description	Nitrogen			P2O5		K2O	
	%G	%F	%G	%F	%G	%F	
American. Green All-Purpose Plant Food	10	9.8	10	11.3	10	10.4	
GRO-GREEN PRODUCTS							
Gro Green Great Garden Fert.	5	5.9	10	11.3	5	4.9	
HYDRO/KIRBY AGRI SERV							
Arrow Fertilizer	10	7.3-	10	12.7	10	11.3	
IRONITE PRODUCTS CO.							
Ironite Liq. Lawn & Garden Spr.	6	8	2	2.3	1	2.6	
Ironite	1	2.8	0		0		
Ironite	1	2.3	0		0		
Ironite Liq. Lawn & Garden Spr.	6	7.2	2	2.3	1	2.6	
Ironite	1	1.6					
JONATHAN GREEN, INC.							
Jonathan Green Green-Up Lawn Fertilizer	30	30.1	5	6.9	5	7.1	
Jonathan Green New Seeding Lawn Fertilizer	14	13.6	28	28.5	15	18	
Jonathan Green Winter Survival Fall Fertilizer	10	10.7	18	20.3	20	21.1	
Jonathan Green Organic Country Lawn & Nursery Fertilizer	15	15.8	4	6.1	7	8.1	
Jonathan Green Fertilizer	10	11.3	10	16.6	10	10.3	
Jonathan Green Holly Care	4	7.9	6	15.5	4	4.3	
Jonathan Green Rose Care	5	6	8	17.7	3	5.9	
LEBANON CHEMICAL CORP.							
Greenview Green Power Lawn Fertilizer	30	30.4	4	5.9	4	6	
Green Gold Lawn Food	30	29.7	3	3.2	5	6.6	
Green Gold Re-Nu Fall Fert.	10	10.5	18	22.7	10	11.9	
Emerge Planting Mulch Plus St. Fertilizer	1	1.6	3	4.1	1	1.2	
Greenview Green Start	10	13.2	18	16.1-	10	11.7	
Greenview Green Power	30	27.7-	4	5.3	4	5.8	
Greenview Winter Green	10	11.3	16	16.9	20	21.3	
Greenview All-Purpose	10	11.6	10	9.6	10	12.7	
LESCO INC.							
Lesco Prof. Starter Fertilizer	18	18.9	24	26.4	12	13.4	
Lesco Prof. Turf Fertilizer	24	27.5	5	6.4	11	11.2	
Lesco Prof. Turf Fertilizer	24	33.1	5	6.7	11	8.4-	
Lesco Prof. Turf Fertilizer	25	26.1	5	5.4	10	12.7	
Lesco Prof. Turf Fertilizer	19	19.3	19	23.1	19	20.1	
Lesco Prof. Starter Fertilizer	18	17.9	24	25.5	12	16	
Lesco Starter Fertilizer	18	18.7	24	27.9	12	17.2	
Lesco Turf Fertilizer	18	17.9	0		18	23	

Table 1 (continued). Manufacturer and sample description and percentages guaranteed and found for nitrogen, P2O5 and K2O found in fertilizer samples during 2002.

Manufacturer/ Sample description	Nitrogen			P2O5		K2O	
	%G	%F	%G	%F	%G	%F	
Lesco Fertilizer	24	30.3	5	8	11	10.6	
Lesco Fertilizer	21	29.1	3	3.6	21	13.9-	
Lesco Fertilizer	18	23.6	2	4.3	18	21.1	
Lesco Fertilizer	19	25.8	0		19	21.2	
Lesco Fertilizer	20	28.4	10	11.5	20	12-	
Lesco Fertilizer	25	28.4	5	7.3	10	11.3	
Lesco Fertilizer	14	14.2	14	16	14	16.7	
MARYLAND ENVIRONMENTAL SERVICE							
Fertile Gro Organic Fertilizer	4	4	3	2.8	3	3.7	
MIRACLE-GRO LAWN PRODUCTS, INC.							
Miracle-Gro Plant Food Spikes	6	7	12	12.1	6	11.6	
Miracle-Gro African Violet Plant Food	7	7.4	7	8.8	7	7.1	
NORTH COUNTRY ORGANICS							
No. Country Organics Pro-Start	2	4.2	3	6.2	3	4.8	
No. Country Organics Pro Gro	5	5.5	3	3.1	4	5.4	
Nature's Turf Fertilizer	8	7-	1	6.1	9	7.7-	
NUTRICO, INC.							
Nutrigo Professional Fert. & Iron	20	14.4-	5	8.9	7	7	
Nutrigo All-Purpose Fertilizer	10	10.6	10	15.4	10	13.3	
Nutrigo Fertilizer	5	5.2	10	12.8	5	4.8	
Nutrigo Prof. Starter Fertilizer	14	6.3-	22	24.5	6	5.8	
Nutrigo Prof. Fert. Plus Iron	20	15.4-	5	6.9	7	6.5	
Nutrigo Fertilizer	18	19.8	5	5.7	9	9.6	
Mahoney's Garden Center	10	10	6	7.6	4	4.7	
Mahoney's Garden Center Fall Lawn Fertilizer with iron	12	6.3-	20	20.2	12	12	
Mahoney's Lawn Fertilizer	25	27.4	5	5.5	5	4.9	
OCEAN CREST SEAFOOD							
Neptune's Harvest Fish & Seaweed Fertilizer	2	1.5	3	3.4	1	1.5	
PLANT HEALTH CARE							
Healthy Start Natural Fertilizer	3	4.1	4	5.1	3	3.5	
PURE BARNYARD CO.							
Cockadoodle Doo Fertilizer	5	5.2	3	5.2	2	2.7	
PURSELL INDUSTRIES INC.							
Ace Green Turf Lawn Fertilizer	30	27.1-	3	7.6	3	2.9	
Ace Super Green Turf Winter.	24	25	3	4.6	12	14.3	
Mum Booster	17	17.4	5	9.2	11	12.1	
Vigoro Starter Fertilizer	20	22.8	27	28.1	5	6.7	
Vigoro Ultra Turf Fertilizer	29	31	3	3.1	4	3.9	
Vigoro Ultra Turf Starter Fert.	20	16.6-	27	29.9	5	9.9	

Table 1 (continued). Manufacturer and sample description and percentages guaranteed and found for nitrogen, P2O5 and K2O found in fertilizer samples during 2002.

Manufacturer/ Sample description	Nitrogen		%G	P2O5	%F	K2O	
	%G	%F				%G	%F
Parker's Super Soilife Lawn & Garden. Fertilizer							
	12	18.1	12		18.8	12	14
Pursell's Sta-Green Seed & Sod Starter							
	18	20.4	24		31.4	10	10.4
Pursell's Sta-Green Lawn Fert.	31	32.4	2		3.2	4	3-
Pursell's Sta-Green Lawn Fert.	29	31.3	2		2.5	5	4.8
SCHULTZ CO.							
Schultz Bloom Plus	10	9.8	60		59	10	10
Schultz Multi Cote All-Purpose Indoor Plant Food							
	18	18.6	6		7.2	12	12.5
Schultz Cactus Plus Liquid Plant Food							
	2	2.7	7		9.7	7	8.7
Schultz Expert Gardener Tomato Food							
	9	9.8	10		10.8	15	16.4
Schultz Expert Gardener	16	19.4	12		16.5	12	11.9
SCOTTS/SIERRA HORTICULTURAL PRODUCTS							
Osmocote Vegetable. & Bedding Plant Food							
	14	14.3	14		15.3	14	14.9
Scotts Turf Builder w/ Moss Control							
	16	17.5	2		3.5	3	3.8
Scotts Turf Builder	29	29	3		4.3	4	5.5
Scotts Step 4 Lawn Fertilizer	31	32.6	3		4.2	10	11.8
Scotts Super Turf Builder	30	30.1	3		4.2	3	3.8
Scotts Vegetable Food	20	21.8	27		30.1	5	5.2
Scotts All-Purpose Plant Food	7	7.5	7		8.8	7	8.2
Scotts Fertilizer	30	30.5	3		3.6	3	6.8
SPECTRUM GROUP, UNITED INDUSTRIES CORP.							
Peter's Mum Food	26	26.4	12		13.4	18	19.3
SUSTANE/NATURAL FERTILIZER OF AMERICA							
Sustane Slow Release Nitr. Fert.	18	16.3-	1		2.1	8	10.1
Sustane Fertilizer	4	4.7	6		6.7	4	3.7
THE ESPOMA CO.							
Espoma Garden-Tone	4	6.4	6		5.8	6	7.7
Espoma Plant-Tone	5	5.3	3		5.4	3	3.2
Espoma Holly-Tone	4	5.1	6		10	4	6
Espoma Organic Lawn Food	18	14.8-	8		5.4-	6	16.3
TRU-SERV CORP.							
Green Thumb Prem. Lawn Fert.	29	29.6	3		3.7	4	4.4
WEATHERLY CONSUMER PRODUCTS							
Jobe's Fertilizer Spikes for Aquatic Plants							
	8	11.8	24		28.8	8	8.9

Table 1 (continued). Manufacturer and sample description and percentages guaranteed and found for nitrogen, P2O5 and K2O found in fertilizer samples during 2002.

Manufacturer/ Sample description	Nitrogen		P2O5		K2O	
	%G	%F	%G	%F	%G	%F
WOODSTREAM						
Ringer Lawn Restore	10	10.7	2	2.6	6	6.9
MISCELLANEOUS						
Bone meal	4	6.6	12	18	0	

Table 2. Manufacturer and sample description for micronutrients in fertilizer samples tested during 2002.

AGWAY OF PLAINFIELD CROP CENTER	
Agway Bulk Blend	Boron 0.31-
Agway Bulk Blend	Boron 0.5
Agway Bulk Blend	Magnesium 2.5; Sulfur 2.7; Zinc 0.5
Agway Bulk Blend	Magnesium 2.5; Sulfur 2.7; Zinc 0.4
Agway Bulk Blend	Magnesium 2.2; Sulfur 2.7; Zinc 0.4
AGWAY, INC.	
Agway Organic Lawn Food	Calcium 8.4
Agway Greenlawn Lawn Starter	Sulfur 8.2
Agway Stage 4 Winterizer Fertilizer	Sulfur 4.9
Agway Greenlawn Lawn Fertilizer	Sulfur 3.4
Agway Super Garden Plant Food	Iron 1.2; Copper 0.07; Manganese 0.08; Zinc 0.12
BIOGANIC SAFETY BRANDS, INC.	
Biorganic All-Purpose Plant Food	Magnesium 2.8; Calcium 9.7; Sulfur 3.2; Iron 1.1
St. Gabriel Laboratories Perennial Fertilizer	Magnesium 0.7; Calcium 1.4; Sulfur 1.4; Iron 2.4; Manganese 0.46; Zinc 0.12
CRYSTAL CO.	
Throw & Grow Time-Release Fertilizer	Sulfur 3.8-
FRANK'S NURSERY & CRAFTS, INC.	
Frank's Lawn Food	Sulfur 9.5; Iron 1.1
FREE-FLOW FERTILIZER	
Sam's Choice Lawn Food	Sulfur 4.4; Iron 1.7
GLOBAL STONE CORPORATION, DIV. OGLEBAY NORTON	
Klean Lime Pelletized Dolomitic Limestone	Magnesium 9.9; Calcium 19
IRONITE PRODUCTS CO.	
Ironite Liquid Lawn & Garden Spray	Sulfur 1.1; Iron 0.6; Manganese 0.07; Zinc 0.06; Cobalt 0.006;
Ironite	Magnesium 1.9; Calcium 3.3; Sulfur 13; Iron 10; Manganese 0.07; Zinc 0.9; Cobalt 0.001; Molybdenum 0.00042

Table 2 (continued). Manufacturer and sample description for micronutrients in fertilizer samples tested during 2002.

Ironite	Magnesium 1.8; Calcium 3.3; Sulfur 13; Iron 10; Manganese 0.06; Zinc 0.9; Cobalt 0.001; Molybdenum 0.0004
Ironite Liquid Lawn & Garden Spray	Sulfur 1.1; Iron 0.6; Manganese 0.07; Zinc 0.06; Cobalt 0.006;
Ironite	Magnesium 2.1; Calcium 2.9; Sulfur 13.8; Iron 12.9; Manganese 0.07; Zinc 1.1; Molybdenum 0.0003
JONATHAN GREEN, INC.	
Jonathan Green Green-Up Lawn Fertilizer	Sulfur 1.2; Iron 0.6
Jonathan Green New Seeding Lawn Fertilizer	Iron 1.3
Jonathan Green Winter Survival Fall Fertilizer	Sulfur 3.4; Iron 0.6-
Jonathan Green Org. Cntry Lawn & Nurs. Fert.	Calcium 2.8; Sulfur 5.4; Iron 0.4; Manganese 0.1
Jonathan Green Holly Care	Magnesium 0.5; Boron 0.0095-; Calcium 7.9; Sulfur 9; Iron 1.1; Copper 0.0035-; Manganese 0.04; Zinc 0.016-; Molybdenum 0.0004
Jonathan Green Rose Care	Magnesium 0.7; Boron 0.013; Calcium 14.1; Sulfur 6.7; Iron 0.4
LESCO INC.	
Lesco Professional Starter Fertilizer	Sulfur 6.3
Lesco Professional Turf Fertilizer	Sulfur 2.8; Iron 1.95-; Manganese 0.45-
Lesco Professional Turf Fertilizer	Sulfur 3.4; Iron 1.25-; Manganese 0.19-
Lesco Professional Turf Fertilizer	Sulfur 3.5; Iron 0.9-
Lesco Professional Starter Fertilizer	Sulfur 6.5
LIME-RITE	
Lime-Rite	Magnesium 13%; Calcium 22%; CaCO ₃ 55%; MgCO ₃ 45%
Pro-Lime Pelletized Dolomite Lime	Magnesium 12.5%; Calcium 21%; CaO 29%; MgO 21%
MARYLAND ENVIRONMENTAL SERVICE	
Fertile Gro Organic Fertilizer	Magnesium 0.6; Calcium 2.8; Sulfur 0.8; Iron 0.11; Copper 0.05-; Manganese 0.05-; Zinc 0.06
MIRACLE-GRO LAWN PRODUCTS, INC.	
Miracle-Gro Plant Food Spikes	Magnesium 0.85; Boron 0.02; Iron 0.3; Copper 0.05; Manganese 0.05; Zinc 0.05
Miracle-Gro African Violet Plant Food	Boron 0.017; Iron 0.2; Copper 0.06; Manganese 0.08; Zinc 0.07
NEW ENGLAND SILICA, INC.	
NESCO Lawn & Garden Lime	CaO 36%; MgO 22%
NUTRICO, INC.	
Mahoney's Garden Cntr Fall Lawn Fert.w/iron	Iron 1.2
PURE BARNYARD CO.	
Cockadoodle Doo Fertilizer	Magnesium 0.5; Calcium 7.7
PURSELL INDUSTRIES INC.	
Ace Green Turf Lawn Fertilizer	Boron 0.04; Sulfur 1.6; Iron 2; Copper 0.1; Manganese 0.1; Zinc 0.2; Molybdenum 0.00036

Table 2 (continued). Manufacturer and sample description for micronutrients in fertilizer samples tested during 2002.

Ace Super Green Turf Winterizer	Sulfur 5.2-
Vigoro Ultra Turf Fertilizer	Iron 0.14-
Parker's Super Soilife Lawn & Garden Fert.	Boron 0.04; Iron 0.5; Copper 0.09; Zinc 0.1; Molybdenum 0.0005
Pursell's Sta-Green Seed & Sod Starter	Boron 0.04; Iron 0.9; Copper 0.05; Manganese 0.07; Zinc 0.1; Molybdenum 0.0005
Pursell's Sta-Green Lawn Fertilizer	Iron 1.1-
Pursell's Sta-Green Lawn Fertilizer	Iron 0.7-
SCHULTZ CO.	
Schultz Multi Cote All-Purp. Indoor Plant Food	Magnesium 2.9; Boron 0.014; Iron 0.16; Copper 0.04;
Manganese 0.037-; Molybdenum 0.008	
Schultz Cactus Plus Liquid Plant Food	Iron 0.12; Manganese 0.05; Zinc 0.07
Schultz Expert Gardener	Boron 0.014; Iron 0.36-; Copper 0.0006-; Manganese 0.013-; Zinc 0.0089-; Molybdenum 0.00036
SCOTTS/SIERRA HORTICULTURAL PRODUCTS	
Scotts Turf Builder with Moss Control	Sulfur 14.7; Iron 6.1
Scotts Turf Builder	Sulfur 7.6; Iron 1; Manganese 0.5
Scotts Step 4 Lawn Fertilizer	Iron 1.2
Scotts Super Turf Builder	Sulfur 6.2; Iron 1.7; Manganese 1
Scotts All-Purpose Plant Food	Iron 0.14; Copper 0.08; Manganese 0.1; Zinc 0.08
SOUTHDOWN, INC.	
Yard Right Pulverized Limestone	CaO 31%; CaCO ₃ 55%; MgO 22%; MgCO ₃ 46%
Yard Right Pelletized Limestone	Magnesium 0.55-; Calcium 33%
SPECTRUM GROUP, UNITED INDUSTRIES CORP.	
Peter's Mum Food	Magnesium 0.4; Boron 0.02; Iron 0.1; Copper 0.04; Manganese 0.04; Zinc 0.044; Molybdenum 0.0004
STOLLER ENTERPRISES	
Micromate Calcium Fortified Mix	Magnesium 4-; Boron 1; Calcium 7-; Sulfur 19; Iron 3; Copper 0.4; Manganese 3; Zinc 5
SUSTANE/NATURAL FERTILIZER OF AMERICA	
Sustane Slow Release Nitrogen Fertilizer	Calcium 2; Sulfur 7.2; Iron 1.2
Sustane Fertilizer	Calcium 4.5
THE ESPOMA CO.	
Espoma Garden-Tone	Magnesium 0.8; Boron 0.03; Sulfur 9.3; Iron 1; Manganese 0.1; Sodium 0.3; Zinc 0.2; Cobalt 0.0007; Molybdenum 0.0006
Espoma Plant-Tone	Magnesium 1; Boron 0.0098-; Calcium 5.9; Sulfur 2.8; Iron 0.4-; Copper 0.06; Manganese 0.05; Sodium 0.7; Zinc 0.07; Cobalt 0.0003; Molybdenum 0.0005
Espoma Holly-Tone	Magnesium 1; Boron 0.012-; Calcium 3.3; Sulfur 6.4; Iron 0.5-; Copper 0.05; Manganese 0.05; Sodium 0.5; Zinc 0.09; Cobalt 0.0003; Molybdenum 0.0005
Espoma Organic Lawn Food	Iron 2.3

Table 2 (continued). Manufacturer and sample description for micronutrients in fertilizer samples tested during 2002.

TRU-SERV CORP.
Green Thumb Premium Lawn Fertilizer Sulfur 3.8; Iron 0.7-

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