

Oregon Department of Agriculture

Fertilizer Program

Laboratory Analysis Results

January 1 – December 31, 2011

Official samples of fertilizer, agricultural mineral, agricultural amendment, and lime products are collected by the Department on a continuing basis. Samples are collected to determine if the guaranteed analysis identified on the product label is being satisfied. Routine product sampling provides a two-fold benefit: 1. Consumer protection for buyers; and 2. Identification of potential process problems for blenders and manufacturers.

A sample is considered deficient and in violation if the lab analysis of any guaranteed element is below the stated guarantee by an amount greater than the investigational allowance. The Department uses investigational allowances developed by the Association of American Plant Food Control Officials (AAPFCO). These investigational allowances were officially adopted by the Department as Oregon Administrative Rule (OAR) 603-059-0070 and are available on the fertilizer program's web page:

<http://oregon.gov/oda/pest/fertilizer.shtml>

Sample analysis results are sorted alphabetically by company name. Company location denotes where the product is registered from, and not necessarily where the sample was collected. Product names marked with an asterisk (*) are custom mixes. These custom mix products do not require registration and were sampled at the location listed.

Oregon Department of Agriculture Fertilizer Program

Company	Product	Registration Status at Sampling	Mislabeled?	Element	Lab Analysis	Label Guarantee	Deficient?
Advanced Nutrients Brandenburg, Kentucky	4-0-0 Micro	Registered	No	Total Nitrogen (N)	4.2%	4%	No
				Calcium (Ca)	5.1%	5%	No
				Magnesium (Mg)	0.0009%	0.23%	Yes
				Boron (B)	0.0082%	0.01%	No
				Iron (Fe)	0.07%	0.08%	No
				Manganese (Mn)	0.018%	0.03%	Yes
Advanced Nutrients Brandenburg, Kentucky	0-1-2 Bud Ignitor (w/potassium sulfate & kelp)	Registered	No	Total Nitrogen (N)	1.1%	1%	No
				Available Phosphate (P ₂ O ₅)	2.6%	2%	No
Agri-Gro Marketing, Inc. Doniphan, Missouri	Bountiful Harvest All Natural Bio-Stimulant "For Everything You Grow"	Unregistered	Yes	Boron (B)	0.0545%	0.03%	No
				Iron (Fe)	0.112%	0.1%	No
				Zinc (Zn)	0.128%	0.05%	No
Agro-Culture Liquid Fertilizers St. Johns, Michigan	Agro-Culture Liquid Fertilizers 27-0-0 + 1(S) Nitrogen High NRG-N	Registered	No	Total Nitrogen (N)	28%	27%	No
				Sulfur (S)	1.1%	1%	No
	Agro-Culture Liquid Fertilizers 6% Copper	Unregistered	No	Copper (Cu)	6.1%	6%	No
	Microlink Linking Yield to Potential Manganese 4% Manganese	Registered	No	Manganese (Mn)	4%	4%	No
Ag Specialties, LLC Tigard, Oregon	Ag Specialties Ferrous Sulfate (Monohydrate) Large Granular	Registered	No	Sulfur (S)	16%	16%	No
				Iron (Fe)	33%	30%	No
Allied Imports and Logistics South Lake Tahoe, California	House & Garden Van de Zwaan 0-0.7-0.6 Top Booster	Registered	Yes	Available Phosphate (P ₂ O ₅)	7.3%	0.7%	No
				Soluble Potash (K ₂ O)	6.5%	0.6%	No

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Company	Product	Registration Status at Sampling	Mislabeled?	Element	Lab Analysis	Label Guarantee	Deficient?
Algoflash America, Inc. Jacksonville, Florida	Algoflash 6-4-6 Fertilizer Gel Green & Flowering Plants with Micronutrient	Unregistered	Yes	Total Nitrogen (N)	6.12%	6%	No
				Available Phosphate (P ₂ O ₅)	4.47%	4%	No
				Soluble Potash (K ₂ O)	6.31%	6%	No
				Magnesium (Mg)	1.39%	2%	Yes
				Molybdenum (Mo)	0.00188%	0.001%	No
	Algoflash 4-6-7 Fertilizer Flowering Plants with Micro - Nutrients	Unregistered	Yes	Total Nitrogen (N)	4.2%	4%	No
				Available Phosphate (P ₂ O ₅)	6.07%	6%	No
				Soluble Potash (K ₂ O)	8.89%	7%	No
				Magnesium (Mg)	0.633%	0.6%	No
				Sulfur (S)	0.99%	0.8%	No
				Boron (B)	0.0171%	0.01%	No
				Copper (Cu)	0.002%	0.002%	No
				Iron (Fe)	0.057%	0.02%	No
				Manganese (Mn)	0.0224%	0.02%	No
				Molybdenum (Mo)	0.00132%	0.001%	No
				Zinc (Zn)	0.0161%	0.0125%	No
	Algoflash 4-6-4 Fertilizer Orchids with Micro - Nutrients	Unregistered	Yes	Total Nitrogen (N)	4%	4%	No
				Available Phosphate (P ₂ O ₅)	6.38%	6%	No
				Soluble Potash (K ₂ O)	7.1%	6%	No
				Magnesium (Mg)	0.137%	0.2%	No
				Sulfur (S)	0.214%	0.16%	No
				Boron (B)	0.0161%	0.01%	No
				Copper (Cu)	0.0021%	0.002%	No
				Iron (Fe)	0.024%	0.02%	No
				Manganese (Mn)	0.0124%	0.01%	No
				Molybdenum (Mo)	0.0013%	0.001%	No
				Zinc (Zn)	0.0021%	0.002%	No
	Algoflash 6-5-6 Fertilizer House Plants with Micro - Nutrients	Unregistered	Yes	Total Nitrogen (N)	5.9%	6%	No
				Available Phosphate (P ₂ O ₅)	6.49%	5%	No
				Soluble Potash (K ₂ O)	7.11%	6%	No
				Boron (B)	0.0185%	0.01%	No
				Copper (Cu)	0.0022%	0.002%	No
				Iron (Fe)	0.073%	0.05%	No
Manganese (Mn)				0.0266%	0.02%	No	
Molybdenum (Mo)				0.00146%	0.001%	No	
Zinc (Zn)	0.0168%	0.0125%	No				

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Company	Product	Registration Status at Sampling	Mislabeled?	Element	Lab Analysis	Label Guarantee	Deficient?
Algoflash America, Inc. Jacksonville, Florida	Algoflash 4-6-8 Fertilizer Geranium and Balcony Plants with Micro - Nutrients	Unregistered	Yes	Total Nitrogen (N)	3.87%	4%	No
				Available Phosphate (P ₂ O ₅)	6.06%	6%	No
				Soluble Potash (K ₂ O)	8.73%	8%	No
				Magnesium (Mg)	0.676%	0.6%	No
				Sulfur (S)	0.963%	0.8%	No
				Boron (B)	0.0174%	0.01%	No
				Copper (Cu)	0.0022%	0.002%	No
				Iron (Fe)	0.058%	0.05%	No
				Manganese (Mn)	0.0232%	0.02%	No
				Molybdenum (Mo)	0.00133%	0.001%	No
	Zinc (Zn)	0.0167%	0.0125%	No			
	Algoflash 6-6-6 Liquid Fertilizer All Purpose with Micro - Nutrients	Unregistered	Yes	Total Nitrogen (N)	5.93%	6%	No
				Available Phosphate (P ₂ O ₅)	6.68%	6%	No
				Soluble Potash (K ₂ O)	6.95%	6%	No
				Magnesium (Mg)	0.691%	0.6%	No
				Sulfur (S)	0.993%	0.8%	No
				Boron (B)	0.0169%	0.01%	No
				Copper (Cu)	0.002%	0.002%	No
				Iron (Fe)	0.058%	0.05%	No
				Manganese (Mn)	0.0237%	0.02%	No
				Molybdenum (Mo)	0.00129%	0.001%	No
	Zinc (Zn)	0.0164%	0.0125%	No			
	Algoflash 2-1-2 Soins Liquide Regenerateur Oligo-éléments Pour Plantes Carencées	Unregistered	Yes	Total Nitrogen (N)	2.59%	2%	No
				Available Phosphate (P ₂ O ₅)	1.33%	1%	No
				Soluble Potash (K ₂ O)	3.35%	2%	No
				Boron (B)	0.0495%	0.04%	No
				Copper (Cu)	0.0089%	0.009%	No
				Iron (Fe)	0.318%	0.3%	No
				Manganese (Mn)	0.0806%	0.07%	No
				Molybdenum (Mo)	0.00515%	0.003%	No
				Zinc (Zn)	0.0439%	0.03%	No

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Company	Product	Registration Status at Sampling	Mislabeled?	Element	Lab Analysis	Label Guarantee	Deficient?
Algoflash America, Inc. Jacksonville, Florida	Algoflash 5-5-7 Fertilizer Rose with Micro - Nutrients	Unregistered	Yes	Total Nitrogen (N)	5.1%	5%	No
				Available Phosphate (P ₂ O ₅)	5.46%	5%	No
				Soluble Potash (K ₂ O)	8.18%	7%	No
				Magnesium (Mg)	0.0233%	0.01%	No
				Sulfur (S)	1.28%	0.8%	No
				Boron (B)	0.0192%	0.01%	No
				Copper (Cu)	0.0019%	0.002%	No
				Iron (Fe)	0.024%	0.02%	No
				Manganese (Mn)	0.0129%	0.01%	No
				Molybdenum (Mo)	0.00125%	0.001%	No
	Zinc (Zn)	0.0023%	0.002%	No			
	Algoflash 4-6-8 Fertilizer Tomato with Micro - Nutrients	Unregistered	Yes	Total Nitrogen (N)	3.8%	4%	No
				Available Phosphate (P ₂ O ₅)	5.94%	6%	No
				Soluble Potash (K ₂ O)	8.74%	8%	No
				Magnesium (Mg)	0.69%	0.6%	No
				Sulfur (S)	0.926%	0.8%	No
				Boron (B)	0.0189%	0.01%	No
				Copper (Cu)	0.0021%	0.002%	No
				Iron (Fe)	0.063%	0.05%	No
				Manganese (Mn)	0.0239%	0.02%	No
				Molybdenum (Mo)	0.00135%	0.001%	No
	Zinc (Zn)	0.016%	0.0125%	No			
	Algoflash 5-4-6 Engrais liquid Hortensias Rhododendrons Azalées/Camélias Avec Oligo-éléments Acid Loving	Unregistered	Yes	Total Nitrogen (N)	5.04%	5%	No
				Available Phosphate (P ₂ O ₅)	5.52%	4%	No
				Soluble Potash (K ₂ O)	7.65%	6%	No
				Boron (B)	0.0116%	0.01%	No
				Copper (Cu)	0.0022%	0.002%	No
				Manganese (Mn)	0.0118%	0.01%	No
				Molybdenum (Mo)	0.00117%	0.001%	No
				Zinc (Zn)	0.0024%	0.002%	No
American Agritech Tempe, Arizona	2-2-5 Power Flower Bloom Premium Liquid Plant Food Single Part Plant Food For Soil Container Gardens or Hydrogardens	Unregistered	Yes	Total Nitrogen (N)	2.3%	2%	No
				Available Phosphate (P ₂ O ₅)	3.8%	2%	No
				Soluble Potash (K ₂ O)	6.4%	5%	No
				Calcium (Ca)	1.5%	1%	No
				Magnesium (Mg)	0.7%	0.5%	No

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Company	Product	Registration Status at Sampling	Mislabeled?	Element	Lab Analysis	Label Guarantee	Deficient?
American Agritech Tempe, Arizona	2-3-5 Pure Blend Pro Bloom Fruit and Flower Formula for Hydrogardens	Unregistered	Yes	Total Nitrogen (N)	2.3%	2.5%	No
				Available Phosphate (P ₂ O ₅)	3%	3%	No
				Soluble Potash (K ₂ O)	6.5%	5%	No
				Calcium (Ca)	1.5%	1%	No
				Magnesium (Mg)	0.61%	0.5%	No
				Humic Acid	0.004%	7%	Yes
Beneficial Biologics Arcata, California	1-0.3-0.5 True Blooms	Registered	No	Total Nitrogen (N)	1.1%	1%	No
				Available Phosphate (P ₂ O ₅)	0.42%	0.3%	No
				Soluble Potash (K ₂ O)	1.1%	0.5%	No
Bonide Products, Inc. Oriskany, New York	Aluminum Sulfate	Unregistered	Yes	Sulfur (S)	16%	15%	No
				Garden Naturals 3-4-3 Premium Blend Rose & Flower Plant Food For Plants & Roots	Registered	No	Total Nitrogen (N)
Botanicare Chandler, Arizona	1-4-5 Pure Blend Pro Bloom Soil Formula Fruit and Flower Formula for Coco and Soil	Registered	No	Available Phosphate (P ₂ O ₅)	5.8%	4%	No
				Soluble Potash (K ₂ O)	2.8%	3%	No
				Total Nitrogen (N)	1.8%	1%	No
				Available Phosphate (P ₂ O ₅)	3.9%	4%	No
				Soluble Potash (K ₂ O)	6.2%	5%	No
				Calcium (Ca)	1.3%	1%	No
2-3-5 Pure Blend Pro Bloom Fruit and Flower Formula for Hydrogardens	Registered	No	Magnesium (Mg)	0.55%	0.5%	No	
			Total Nitrogen (N)	2.2%	2%	No	
			Available Phosphate (P ₂ O ₅)	3.2%	3%	No	
			Soluble Potash (K ₂ O)	6%	5%	No	
			Calcium (Ca)	1.5%	1%	No	
			Magnesium (Mg)	0.58%	0.5%	No	
California Organic Fertilizers Fresno, California	Phyta-Grow 7-1-2 Leafy Green Special	Registered	No	Total Nitrogen (N)	6.5%	7%	No
				Available Phosphate (P ₂ O ₅)	0.73%	1%	No
				Soluble Potash (K ₂ O)	2.2%	2%	No

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Company	Product	Registration Status at Sampling	Mislabeled?	Element	Lab Analysis	Label Guarantee	Deficient?
Canna Continental Los Angeles, California	Biocanna 0.02-0.12-0.08 Bio Boost Hydroponic Specialty Fertilizer	Unregistered	Yes	Total Nitrogen (N)	0.26%	0.02%	No
				Available Phosphate (P ₂ O ₅)	0.032%	0.12%	No
				Soluble Potash (K ₂ O)	0.53%	0.08%	No
	Canna 0-1-1 Boost Accelerator Hydroponic Specialty Nutrient	Registered	No	Available Phosphate (P ₂ O ₅)	1.1%	1%	No
				Soluble Potash (K ₂ O)	1.1%	1%	No
Clayton's Calcium, Inc. Parma, Idaho	6 X 16 (Calcium Carbonate CaCO ₃)	Registered	No	Calcium (Ca)	38%	39%	No
				Calcium Carbonate (CaCO ₃)	94.9%	96%	No
				Calcium Carbonate Equivalent (CCE)	98%	96%	No
				% Passing 100 Mesh Sieve	4%	1%	No
				% Passing 40 Mesh Sieve	4%	3%	No
				% Passing 20 Mesh Sieve	4%	4%	No
				% Passing 10 Mesh Sieve	34%	90%	Yes
				Lime Score	12.72	28	Yes
% Moisture (Max)	0.14%	0.5%	No				
Conscious Earthworks, LLC Phoenix, Oregon	Vital Earth's 4-3-4 O. G. Seabird Guano Liquid Grow	Registered	No	Total Nitrogen (N)	2.8%	4%	Yes
				Available Phosphate (P ₂ O ₅)	3.6%	3%	No
				Soluble Potash (K ₂ O)	3.1%	4%	Yes
	Vital Earth's 8-4-4 All Purpose Seabird Guano	Unregistered	Yes	Total Nitrogen (N)	5.4%	8%	Yes
				Available Phosphate (P ₂ O ₅)	2.3%	4%	Yes
				Soluble Potash (K ₂ O)	3.1%	4%	Yes
DP Foods, LLC Sherman, Texas	Bonnie Plants 8-4-4 Herb & Vegetable Plant Food	Unregistered	Yes	Total Nitrogen (N)	7.29%	8%	Yes
				Available Phosphate (P ₂ O ₅)	3.48%	4%	No
				Soluble Potash (K ₂ O)	3.3%	4%	No
Down To Earth Distributors, Inc. Eugene, Oregon	5-1-2 Neem Seed Meal All Natural Fertilizer	Unregistered	No	Total Nitrogen (N)	5.1%	5%	No
				Available Phosphate (P ₂ O ₅)	0.58%	1%	No
				Soluble Potash (K ₂ O)	2.5%	2%	No

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Dr. Earth Company Winters, California	10-3-1 Gat Guano	Registered	Yes	Total Nitrogen (N)	7.5%	10%	Yes
				Available Phosphate (P ₂ O ₅)	4.1%	3%	No
				Soluble Potash (K ₂ O)	1.3%	1%	No
	3-3-3 Liquid Solution! Concentrate All Purpose Fertilizer Plus Multi-Minerals	Registered	Yes	Total Nitrogen (N)	3.3%	3%	No
				Available Phosphate (P ₂ O ₅)	3.1%	3%	No
				Soluble Potash (K ₂ O)	3%	3%	Yes
				Magnesium (Mg)	0.65%	0.5%	No
				Copper (Cu)	0.057%	0.05%	No
				Iron (Fe)	0.42%	0.1%	No
				Manganese (Mn)	0.57%	0.05%	No
				Molybdenum (Mo)	0.00057%	0.0005%	No
				Zinc (Zn)	0.14%	0.1%	No
	4-10-7 Organic 8 Bud & Bloom Booster	Registered	Yes	Total Nitrogen (N)	4.8%	4%	No
				Available Phosphate (P ₂ O ₅)	8.3%	10%	Yes
				Soluble Potash (K ₂ O)	8.4%	7%	Yes
				Calcium (Ca)	14%	7%	No
				Sulfur (S)	3.7%	1%	No
Humic Acid				4.7%	10%	Yes	
0-0-4.5 100% Natural Seaweed Concentrate	Registered	Yes	Soluble Potash (K ₂ O)	4.6%	4.5%	No	
			Humic Acid	9%	6%	No	
5-7-2 Premium Organic 3 Rose & Flower Fertilizer	Registered	No	Total Nitrogen (N)	5%	5%	No	
			Available Phosphate (P ₂ O ₅)	8.2%	7%	No	
			Soluble Potash (K ₂ O)	3%	2%	No	
			Calcium (Ca)	13%	6.64%	No	
			Sulfur (S)	1.26%	1.23%	No	
Easy Gardener, Inc. Waco, Texas	Jobe's 12-13-9 Crystals	Registered	No	Total Nitrogen (N)	15.4%	12%	No
				Available Phosphate (P ₂ O ₅)	13%	13%	No
				Soluble Potash (K ₂ O)	17%	9%	No
				Iron (Fe)	0.192%	0.1%	No
	Jobe's Fertilizer Spikes 13-4-5 for Beautiful Houseplants	Unregistered	No	Total Nitrogen (N)	14%	13%	No
				Available Phosphate (P ₂ O ₅)	5.2%	4%	No
				Soluble Potash (K ₂ O)	8.8%	5%	No
			Chlorine (Cl) (Max)	0.28%	< 0.2%	Yes	

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Easy Gardener, Inc. Waco, Texas	Jobe's Fertilizer Spikes 9-12-9 Special Formula for Roses	Registered	Yes	Total Nitrogen (N)	10%	9%	No
				Available Phosphate (P ₂ O ₅)	14%	12%	No
				Soluble Potash (K ₂ O)	11%	9%	No
Emerald Triangle Fortuna, California	Humboldt County's Own 0-0.1-0 Gravity Flower Hardener	Registered	Yes	Available Phosphate (P ₂ O ₅)	0.11%	0.1%	No
				Vitamin B-1	0.006%	0.01%	Yes
	Humboldt County's Own 0-0.1-0 Bush Master	Registered	Yes	Available Phosphate (P ₂ O ₅)	0.15%	0.1%	No
Enviro-Safe Laboratories, Inc. Oxford, Florida	Dynamite Premium Plant Food 8-5-5 Natural & Organic Mater Magic	Registered	No	Total Nitrogen (N)	8.22%	8%	No
				Available Phosphate (P ₂ O ₅)	5.18%	5%	No
				Soluble Potash (K ₂ O)	1.3%	5%	Yes
				Calcium (Ca)	5.72%	4.5%	No
		Sulfur (S)	2.83%	1%	No		
	Dynamite Select 14-5-10 Jackson & Perkins Roses Ultimate Collection Continuous Slow Release Plant Food	Unregistered	Yes	Total Nitrogen (N)	15%	14%	No
				Available Phosphate (P ₂ O ₅)	7%	5%	No
				Soluble Potash (K ₂ O)	11%	10%	No
				Calcium (Ca)	2.3%	1%	No
				Magnesium (Mg)	2.75%	2.99%	No
Sulfur (S)				7.36%	4.56%	No	
	Iron (Fe)	0.92%	1%	No			
	Manganese (Mn)	0.43%	0.8%	Yes			
	Zinc (Zn)	0.042%	0.06%	No			
Envirowise, LLC Bakersfield, California	Professor Green 5-9-8 Rose Boost	Unregistered	Yes	Total Nitrogen (N)	5.39%	5%	No
				Available Phosphate (P ₂ O ₅)	8.82%	9.5%	No
				Soluble Potash (K ₂ O)	4.36%	3%	No
				Boron (B)	0.022%	0.01%	No
				Cobalt (Co)	0.0016%	0.0025%	No
				Copper (Cu)	0.0314%	0.025%	No
				Iron (Fe)	0.192%	0.05%	No
				Manganese (Mn)	0.0287%	0.025%	No
				Molybdenum (Mo)	0.00439%	0.00025%	No
				Zinc (Zn)	0.0518%	0.025%	No
				Humic Acid	1.47%	0.05%	No

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Envirowise, LLC Bakersfield, California	Professor Green All Natural Soil Enhance	Unregistered	Yes	Humic Acid	5.62%	6%	No
Faust Bio-Agricultural Service Inc. Independence, Oregon	BioAg HumiSolve Humic Acid Concentrate	Registered	Yes	Humic Acid	64%	50%	No
	0-0-7.5 CytoPlus Humic Acid Concentrate with Seaweed and Micronutrients	Registered	Yes	Soluble Potash (K ₂ O)	8.7%	7.5%	No
				Sulfur (S)	2.01%	3.25%	Yes
				Boron (B)	0.18%	0.25%	Yes
				Cobalt (Co)	0.025%	0.035%	No
				Copper (Cu)	0.16%	0.13%	No
				Iron (Fe)	0.85%	0.9%	No
				Manganese (Mn)	0.69%	0.8%	Yes
				Molybdenum (Mo)	0.85%	0.05%	No
				Zinc (Zn)	0.65%	0.5%	No
Humic Acid	50%	40%	No				
General Hydroponics, Inc. Sebastopol, California	10-5-14 MaxiGro Plant Food for Vigorous Growth	Registered	No	Total Nitrogen (N)	11%	10%	No
				Available Phosphate (P ₂ O ₅)	6.4%	5%	No
				Soluble Potash (K ₂ O)	19%	14%	No
				Calcium (Ca)	10%	6%	No
				Magnesium (Mg)	3.5%	2%	No
				Sulfur (S)	4.6%	3%	No
				Manganese (Mn)	0.066%	0.05%	No
	10-6-18 FloraMato One Part Dry Nutrient	Unregistered	Yes	Total Nitrogen (N)	10%	10%	No
				Available Phosphate (P ₂ O ₅)	6.1%	6%	No
				Soluble Potash (K ₂ O)	19%	18%	No
				Calcium (Ca)	7.6%	6%	No
				Magnesium (Mg)	2.7%	2%	No
				Sulfur (S)	4.8%	3.5%	No
				Iron (Fe)	0.16%	0.15%	No

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Company	Product	Registration Status at Sampling	Mislabeled?	Element	Lab Analysis	Label Guarantee	Deficient?				
GH, Inc. Sebastopol, California	General Hydroponics (Brand) 4-8-7 FloraNova Bloom One-Part Nutrient	Unregistered	Yes	Total Nitrogen (N)	5.4%	4%	No				
				Available Phosphate (P ₂ O ₅)	8.5%	8%	No				
				Soluble Potash (K ₂ O)	10%	7%	No				
				Calcium (Ca)	3.8%	4%	No				
				Magnesium (Mg)	2.3%	2%	No				
				Sulfur (S)	2.5%	2%	No				
				Boron (B)	0.021%	0.01%	No				
				Chlorine (Cl)	5.8%	0.01%	No				
				Cobalt (Co)	0.0022%	0.002%	No				
				Copper (Cu)	0.0077%	0.01%	No				
				Iron (Fe)	0.11%	0.1%	No				
				Manganese (Mn)	0.026%	0.03%	No				
				Molybdenum (Mo)	0.0027%	0.003%	No				
				Zinc (Zn)	0.011%	0.01%	No				
				Citric Acid	0.89%	3%	Yes				
				GH, Inc. Sebastopol, California	General Hydroponics (Brand) 7-4-10 FloraNova Grow One-Part Nutrient	Unregistered	No	Total Nitrogen (N)	6.47%	7%	No
								Available Phosphate (P ₂ O ₅)	4.8%	4%	No
								Soluble Potash (K ₂ O)	12%	10%	No
								Calcium (Ca)	4.6%	4%	No
								Magnesium (Mg)	1.8%	1.5%	No
Sulfur (S)	2.4%	2%	No								
Boron (B)	0.023%	0.01%	No								
Chlorine (Cl)	6.2%	0.01%	No								
Cobalt (Co)	0.0021%	0.002%	No								
Copper (Cu)	0.009%	0.01%	No								
Iron (Fe)	0.12%	0.1%	No								
Manganese (Mn)	0.026%	0.03%	No								
Molybdenum (Mo)	0.0025%	0.003%	No								
Zinc (Zn)	0.018%	0.02%	No								
Citric Acid	1.6%	3%	Yes								
Green Light Company San Antonio, Texas	Green Light 0-0.2-0.08 Tomato Bloom Spray	Registered	Yes					Available Phosphate (P ₂ O ₅)	0.22%	0.2%	No
								Soluble Potash (K ₂ O)	0.084%	0.08%	No
								Calcium (Ca)	0.12%	0.1%	No
								Zinc (Zn)	0.57%	0.05%	No
Greenstar Plant Products, Inc. Langley, British Columbia	0-50-30 Monster Bloom	Registered	No					Available Phosphate (P ₂ O ₅)	51%	50%	No
				Soluble Potash (K ₂ O)	37%	30%	No				

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Company	Product	Registration Status at Sampling	Mislabeled?	Element	Lab Analysis	Label Guarantee	Deficient?
Helena Chemical Company Collierville, Tennessee	Nucleus 0-0-21 Concentrated Potash Solution and Oxidized Sulfur	Registered	Yes	Soluble Potash (K ₂ O)	22%	21%	No
				Sulfur (S)	13%	13%	No
Howard Johnson's Enterprises, Inc. Milwaukee, Wisconsin	Howard Johnson's Nursery Pro 6-24-10 Plant Food for Fabulous Flowers	Unregistered	No	Total Nitrogen (N)	5.7%	6%	No
				Available Phosphate (P ₂ O ₅)	21.7%	24%	Yes
				Soluble Potash (K ₂ O)	11%	10%	No
				Boron (B)	0.017%	0.02%	No
				Copper (Cu)	0.052%	0.05%	No
				Iron (Fe)	0.49%	0.1%	No
				Manganese (Mn)	0.094%	0.05%	No
				Molybdenum (Mo)	0.001%	0.0005%	No
Zinc (Zn)	0.069%	0.05%	No				
Horticultural Choice Wholesale Garden Supply Seattle, Washington	Harvest Moon Organics 1-10-1 Hermacin	Unregistered	Yes	Total Nitrogen (N)	0.72%	1%	No
				Available Phosphate (P ₂ O ₅)	6.8%	10%	Yes
				Soluble Potash (K ₂ O)	4.3%	1%	No
Humboldt Nutrients Eureka, California	0-10-0 Natural Bloom	Registered	Yes	Available Phosphate (P ₂ O ₅)	7%	10%	Yes
				Calcium (Ca)	11%	10%	No
	0-18-16 Ginormous Bloom Enhancer	Registered	Yes	Available Phosphate (P ₂ O ₅)	5%	18%	Yes
				Soluble Potash (K ₂ O)	19%	16%	No
Hydrodynamics International Lansing, Michigan	Mother Plant Nutrients 1-1-3 Part B	Registered	No	Total Nitrogen (N)	1%	1%	No
				Available Phosphate (P ₂ O ₅)	2.2%	1%	No
				Soluble Potash (K ₂ O)	4.6%	3%	No
				Magnesium (Mg)	1.02%	0.751%	No
				Sulfur (S)	0.81%	0.7%	No
				Boron (B)	0.0052%	0.0058%	No
				Copper (Cu)	0.0029%	0.0032%	No
				Manganese (Mn)	0.0151%	0.0153%	No
				Molybdenum (Mo)	0.0014%	0.0001%	No
				Zinc (Zn)	0.0057%	0.006%	No

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Company	Product	Registration Status at Sampling	Mislabeled?	Element	Lab Analysis	Label Guarantee	Deficient?
Hydrodynamics International Lansing, Michigan	Mother Plant Nutrients 2-0-0 Part A	Registered	No	Total Nitrogen (N)	3.8%	2%	No
				Calcium (Ca)	3.7%	3.2%	No
				Iron (Fe)	0.073%	0.066%	No
Hydro Organics Wholesale Chico, California	Rich Humic - Humic Acid - Hydroponics & Soil	Registered	No	Humic Acid	5.1%	3%	No
	0-1-0 Soy-Ful -Plant Food- Hydroponics & Soil	Registered	No	Available Phosphate (P ₂ O ₅)	1.8%	1%	No
Hydroponix Livermore, California	1.6-2.1-5.5 Basic Grow Nutrients	Registered	No	Total Nitrogen (N)	1.6%	1.6%	No
				Available Phosphate (P ₂ O ₅)	2.11%	2.1%	No
				Soluble Potash (K ₂ O)	5.9%	5.5%	No
				Magnesium (Mg)	1.2%	1%	No
				Sulfur (S)	1.5%	1.4%	No
				Copper (Cu)	0.0008%	0.002%	Yes
				Manganese (Mn)	0.04%	0.05%	No
				Molybdenum (Mo)	0.00047%	0.0005%	No
				Zinc (Zn)	0.0069%	0.01%	No
	1.2-6.1-5.5 Basic Bloom Nutrients	Unregistered	No	Total Nitrogen (N)	1.2%	1.2%	No
				Available Phosphate (P ₂ O ₅)	5.91%	6.1%	No
				Soluble Potash (K ₂ O)	6%	5.5%	No
				Magnesium (Mg)	1.2%	0.8%	No
				Sulfur (S)	1.3%	1.1%	No
				Copper (Cu)	0.00091%	0.002%	Yes
				Manganese (Mn)	0.037%	0.05%	Yes
				Molybdenum (Mo)	0.00046%	0.0005%	No
	Zinc (Zn)	0.0069%	0.01%	No			
	3.3-0-1.3 Basic Grow Nutrients	Unregistered	No	Total Nitrogen (N)	3.4%	3.3%	No
Soluble Potash (K ₂ O)				2.2%	1.3%	No	
Calcium (Ca)				5.5%	5%	No	
Iron (Fe)				0.075%	0.06%	No	

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Company	Product	Registration Status at Sampling	Mislabeled?	Element	Lab Analysis	Label Guarantee	Deficient?
J. R. Peters, Inc. Allentown, Pennsylvania	Jack's Classic 20-20-20 All Purpose with Micronutrients Water Soluble Plant Food	Registered	No	Total Nitrogen (N)	20%	20%	No
				Available Phosphate (P ₂ O ₅)	20%	20%	No
				Soluble Potash (K ₂ O)	20%	20%	No
				Boron (B)	0.02%	0.02%	No
				Copper (Cu)	0.06%	0.05%	No
				Iron (Fe)	0.12%	0.1%	No
				Manganese (Mn)	0.062%	0.05%	No
				Molybdenum (Mo)	0.0011%	0.0009%	No
				Zinc (Zn)	0.062%	0.05%	No
J. R. Simplot Company Lathrop, California	Best 20-10-5 Best-Tabs Controlled Release Fertilizer Tablets	Registered	No	Total Nitrogen (N)	23%	20%	No
				Available Phosphate (P ₂ O ₅)	7.4%	10%	Yes
				Soluble Potash (K ₂ O)	4.1%	5%	Yes
				Calcium (Ca)	2.1%	2.2%	No
				Magnesium (Mg)	0.67%	0.5%	No
				Sulfur (S)	3.1%	2%	No
				Copper (Cu)	0.087%	0.05%	No
				Iron (Fe)	0.7%	0.5%	No
				Manganese (Mn)	0.073%	0.05%	No
Zinc (Zn)	0.12%	0.05%	No				
Kellogg Garden Products Carson, California	Gardener & Bloome 3-7-4 Natural and Organic Bud and Bloom Fertilizer	Registered	Yes	Total Nitrogen (N)	3.5%	3%	No
				Available Phosphate (P ₂ O ₅)	6.32%	7%	No
				Soluble Potash (K ₂ O)	4.4%	4%	No
				Humic Acid	5.3%	4%	No
	Gardener & Bloome 4-6-3 Natural • Organic Tomato, Vegetable & Herb Fertilizer	Registered	No	Total Nitrogen (N)	4.4%	4%	No
				Available Phosphate (P ₂ O ₅)	8.4%	6%	No
				Soluble Potash (K ₂ O)	2.9%	3%	No
Lawn & Garden Products, Inc. Fresno, California	Monterey 9-6-2 Fish & Poop Liquid Fish & Guano Fertilizer Combination	Registered	Yes	Total Nitrogen (N)	13%	9%	No
				Available Phosphate (P ₂ O ₅)	6%	6%	No
				Soluble Potash (K ₂ O)	1.7%	2%	No

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Company	Product	Registration Status at Sampling	Mislabeled?	Element	Lab Analysis	Label Guarantee	Deficient?
Lilly Miller Brands Atlanta, Georgia	Lilly Miller 10-5-4 Rhododendron, Evergreen & Azalea Food Contains Cottonseed Meal	Registered	No	Total Nitrogen (N)	9.43%	10%	No
				Available Phosphate (P ₂ O ₅)	6%	5%	No
				Soluble Potash (K ₂ O)	5%	4%	No
				Sulfur (S)	5.1%	3%	No
				Boron (B)	0.06%	0.02%	No
				Iron (Fe)	0.2%	0.1%	No
				Manganese (Mn)	0.11%	0.05%	No
				Molybdenum (Mo)	0.00074%	0.0005%	No
				Zinc (Zn)	0.11%	0.05%	No
	Lilly Miller 10-10-10 All Purpose Planting & Growing Food (w/ no Ca)	Registered	No	Total Nitrogen (N)	10%	10%	No
				Available Phosphate (P ₂ O ₅)	11%	10%	No
				Soluble Potash (K ₂ O)	12%	10%	No
				Boron (B)	0.046%	0.02%	No
				Iron (Fe)	0.37%	0.1%	No
				Manganese (Mn)	0.94%	0.05%	No
				Molybdenum (Mo)	0.00091%	0.0005%	No
	Zinc (Zn)	0.093%	0.05%	No			
	Lilly Miller 5-10-10 Morcrop Tomato & Vegetable Food	Registered	No	Total Nitrogen (N)	4.8%	5%	No
				Available Phosphate (P ₂ O ₅)	11%	10%	No
				Soluble Potash (K ₂ O)	12%	10%	No
				Calcium (Ca)	9.5%	4%	No
				Sulfur (S)	1.1%	1%	No
				Boron (B)	0.036%	0.02%	No
				Iron (Fe)	0.39%	0.1%	No
				Manganese (Mn)	0.09%	0.05%	No
				Molybdenum (Mo)	0.00053%	0.0005%	No
	Zinc (Zn)	0.085%	0.05%	No			
	Lilly Miller 5-8-4 Rose & Flower Food Contains Alfalfa Meal	Registered	No	Total Nitrogen (N)	5.2%	5%	No
				Available Phosphate (P ₂ O ₅)	8.7%	8%	No
				Soluble Potash (K ₂ O)	6.3%	4%	No
				Magnesium (Mg)	2.9%	1%	No
				Sulfur (S)	6.1%	4%	No
				Boron (B)	0.05%	0.02%	No
Iron (Fe)				0.54%	0.1%	No	
Manganese (Mn)				0.11%	0.05%	No	
Molybdenum (Mo)				0.00066%	0.0005%	No	
Zinc (Zn)	0.1%	0.05%	No				

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Company	Product	Registration Status at Sampling	Mislabeled?	Element	Lab Analysis	Label Guarantee	Deficient?			
Miracle-Gro Lawn Products, Inc. Marysville, Ohio	0.12-0.04-0.08 Cactus, Palm & Citrus Soil Fast Draining Formula Enriched with Miracle-Gro Plant Food	Registered	Yes	Total Nitrogen (N)	0.275%	0.12%	No			
				Available Phosphate (P ₂ O ₅)	0.0325%	0.04%	No			
				Soluble Potash (K ₂ O)	0.095%	0.08%	No			
Miracle-Gro Organic Choice 6-0-0 All Purpose Plant Food Concentrate Ready-Spray	Registered	No	Total Nitrogen (N)	5.9%	6%	No				
				Miracle-Gro Organic Choice 8-0-0 All Purpose Plant Food Concentrate For Indoor & Outdoor Plants	Registered	No	Total Nitrogen (N)	8.1%	8%	No
Mosaic Crop Nutrition, LLC Minneapolis, Minnesota	0-0-21.5 K-Mag Premium	Registered	No	Soluble Potash (K ₂ O)	23.9%	21.5%	No			
				Magnesium (Mg)	11.6%	10.5%	No			
				Sulfur (S)	23%	21%	No			
				Chlorine (Cl) (Max)	2.6%	2.5%	No			
Nutrifield Pty, Ltd Sunshine West, Victoria	2.5-0.25-1.9 Ocean Mist	Registered	No	Total Nitrogen (N)	2.1%	2%	No			
				Available Phosphate (P ₂ O ₅)	0.42%	0.25%	No			
				Soluble Potash (K ₂ O)	1.8%	1.9%	No			
				Boron (B)	0.16%	0.15%	No			
				Manganese (Mn)	0.31%	0.25%	No			
	Zinc (Zn)	0.33%	0.23%	No						
	1.25-4.2-2 nf Coco Nutrient for Grow & Bloom Part A	Registered	Yes	Total Nitrogen (N)	0.862%	1.25%	No			
				Available Phosphate (P ₂ O ₅)	3.1%	4.2%	Yes			
				Soluble Potash (K ₂ O)	3.2%	2%	No			
				Magnesium (Mg)	1.2%	1.7%	Yes			
Boron (B)				0.013%	0.009%	No				
Copper (Cu)	0.00077%	0.003%	Yes							
Manganese (Mn)	0.38%	0.01%	No							
Molybdenum (Mo)	0.00043%	0.001%	Yes							
Zinc (Zn)	0.002%	0.008%	Yes							
Silicon (Si)	0.0018%	0.01%	Yes							

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Company	Product	Registration Status at Sampling	Mislabeled?	Element	Lab Analysis	Label Guarantee	Deficient?
Ocean Crest Seafoods Gloucester, Massachusetts	Neptune's Harvest 2-3-1 Fish & Seaweed Fertilizer	Registered	Yes	Total Nitrogen (N)	1.9%	2%	No
				Available Phosphate (P ₂ O ₅)	3.3%	3%	No
				Soluble Potash (K ₂ O)	0.92%	1%	No
Organic Bountea Forestville, California	1-6-5 B3 Bountea Better Bloom	Unregistered	Yes	Total Nitrogen (N)	1.4%	1%	No
				Available Phosphate (P ₂ O ₅)	5.1%	6%	Yes
				Soluble Potash (K ₂ O)	7.2%	5%	No
				Humic Acid	12%	14%	No
	3-0.06-1.5 Superstart For Plants	Unregistered	Yes	Total Nitrogen (N)	2.3%	3%	Yes
				Available Phosphate (P ₂ O ₅)	1.7%	0.06%	No
Oregon's Only Organics Company Springfield, Oregon	Harvest Moon Organics 0-3-0 Biggest Bloom Tea	Registered	Yes	Available Phosphate (P ₂ O ₅)	3.1%	3%	No
				Humic Acid	0.14%	0.1%	No
	0-1-0 Carbon Sweet Love Bud	Unregistered	Yes	Available Phosphate (P ₂ O ₅)	5.6%	1%	No
	Harvest Moon Organics 3-7-3 Organically Based Soil Nutrient	Registered	Yes	Total Nitrogen (N)	2.3%	3%	Yes
				Available Phosphate (P ₂ O ₅)	5.6%	7%	Yes
				Soluble Potash (K ₂ O)	4.6%	3%	No
				Calcium (Ca)	2.4%	3%	Yes
Magnesium (Mg)	0.12%	1%	Yes				
Harvest Moon Organics 0-0-0.5 Notrozime	Unregistered	Yes	Soluble Potash (K ₂ O)	4.7%	0.5%	No	
Harvest Moon Organics Organic Plant Growth Enhancer	Unregistered	Yes	Humic Acid	4.4%	7%	Yes	
Zeus Juice Growth Enhancer	Registered	No	Humic Acid	0.13%	7%	Yes	

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Company	Product	Registration Status at Sampling	Mislabeled?	Element	Lab Analysis	Label Guarantee	Deficient?
PBI/Gordon Corporation Kansas City, Missouri	Gordon's 3-10-3 Jump Shot Plant Starter with Vitamin B-1	Registered	No	Total Nitrogen (N)	2.9%	3%	No
				Available Phosphate (P ₂ O ₅)	9.9%	10%	No
				Soluble Potash (K ₂ O)	3.3%	3%	No
				Chlorine (Cl) (Max)	2.75%	< 0.65%	Yes
				Iron (Fe)	0.11%	0.1%	No
PCS Sales (USA) Inc. Northbrook, Illinois	0-0-60 Granular Muriate of Potash	Registered	No	Soluble Potash (K ₂ O)	60%	60%	No
PlantLife Products Kelowna, British Columbia	17-15-17 Jungle Green For Vegetative Stage of Growth	Registered	No	Total Nitrogen (N)	17%	17%	No
				Available Phosphate (P ₂ O ₅)	18%	15%	No
				Soluble Potash (K ₂ O)	18%	17%	No
				Sulfur (S)	4.4%	4%	No
				Boron (B)	0.038%	0.02%	No
				Iron (Fe)	0.21%	0.1%	No
				Zinc (Zn)	0.012%	0.05%	No
PMI Nutrition International St. Paul, Minnesota	Bradfield Organics 3-3-3 Tasty Tomato & Veggie Natural Fertilizer	Registered	Yes	Total Nitrogen (N)	4.2%	3%	No
				Available Phosphate (P ₂ O ₅)	2.8%	3%	No
				Soluble Potash (K ₂ O)	2.9%	3%	No
Pratum Co-op Salem, Oregon	0-0-60 Muriate of Potash	Registered	No	Soluble Potash (K ₂ O)	62%	60%	No
	20-0-0-24	Registered	No	Total Nitrogen (N) Sulfur (S)	21% 26%	20% 24%	No No
Rapidgrow Industries, Inc. Windsor, Ontario	Supernatural 20-20-20 Gro Terra	Registered	No	Total Nitrogen (N)	19.28%	20%	No
				Available Phosphate (P ₂ O ₅)	21%	20%	No
				Soluble Potash (K ₂ O)	22%	20%	No
				Boron (B)	0.017%	0.02%	No
				Copper (Cu)	0.046%	0.05%	No
				Iron (Fe)	0.13%	0.1%	No
				Manganese (Mn)	0.045%	0.05%	No
				Molybdenum (Mo)	0.00076%	0.001%	No
				Zinc (Zn)	0.046%	0.05%	No

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Company	Product	Registration Status at Sampling	Mislabeled?	Element	Lab Analysis	Label Guarantee	Deficient?
RootBlast International, Inc. Canton, Ohio	2-1-2 Rootblast Professional Growth Formula	Registered	No	Total Nitrogen (N)	1.8%	2%	No
				Available Phosphate (P ₂ O ₅)	1.6%	1%	No
				Soluble Potash (K ₂ O)	2.7%	2%	No
				Calcium (Ca)	15.4%	13.8%	No
				Magnesium (Mg)	10.8%	7.5%	No
				Sulfur (S)	2.12%	1.88%	No
				Boron (B)	0.042%	0.02%	No
				Copper (Cu)	0.065%	0.05%	No
				Iron (Fe)	3.2%	2.47%	No
				Manganese (Mn)	0.15%	0.12%	No
				Zinc (Zn)	0.13%	0.15%	No
Schultz Company Bridgeton, Missouri	Garden Safe 3-5-3 Rose & Flower Natural Organic Plant Food	Registered	No	Total Nitrogen (N)	5.5%	3%	No
				Available Phosphate (P ₂ O ₅)	3.05%	5%	Yes
				Soluble Potash (K ₂ O)	3%	3%	No
				Calcium (Ca)	11%	9%	No
				Magnesium (Mg)	0.8%	0.5%	No
				Iron (Fe)	0.15%	0.1%	No
				Schultz 19-31-17 Orchid Food Plant Food Water Soluble Concentrated with Micros	Registered	No	Total Nitrogen (N)
	Available Phosphate (P ₂ O ₅)	31%	31%	No			
	Soluble Potash (K ₂ O)	18%	17%	No			
	Boron (B)	0.024%	0.2%	No			
	Copper (Cu)	0.051%	0.05%	No			
	Iron (Fe)	0.11%	0.1%	No			
	Manganese (Mn)	0.052%	0.05%	No			
	Molybdenum (Mo)	0.00058%	0.0005%	No			
Zinc (Zn)	0.059%	0.05%	No				
Scotts Miracle-Gro Products, Inc. Marysville, Ohio	10-15-15 Fruit & Citrus Tree Fertilizer Spikes	Registered	No	Total Nitrogen (N)	11.2%	10%	No
				Available Phosphate (P ₂ O ₅)	15%	15%	No
				Soluble Potash (K ₂ O)	18%	15%	No
				Sulfur (S)	14.7%	9%	No
				Iron (Fe)	0.875%	0.1%	No
	Manganese (Mn)	0.105%	0.05%	No			
	Miracle-Gro Organic Choice 6-9-0 Bone Meal	Registered	No	Total Nitrogen (N)	6.9%	6%	No
				Available Phosphate (P ₂ O ₅)	10%	9%	No

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Company	Product	Registration Status at Sampling	Mislabeled?	Element	Lab Analysis	Label Guarantee	Deficient?
Scotts Miracle-Gro Products, Inc. Marysville, Ohio	12-4-8 LiquaFeed Ready to Use All Purpose Plant Food	Registered	No	Total Nitrogen (N)	12.4%	12%	No
				Available Phosphate (P ₂ O ₅)	4.05%	4%	No
				Soluble Potash (K ₂ O)	8.8%	8%	No
				Manganese (Mn)	0.0615%	0.05%	No
				Zinc (Zn)	0.0621%	0.05%	No
	10-10-10 Shake 'n Feed Continuous Release All Purpose Plant Food	Registered	No	Total Nitrogen (N)	11.1%	10%	No
				Available Phosphate (P ₂ O ₅)	11.4%	10%	No
				Soluble Potash (K ₂ O)	13%	10%	No
				Sulfur (S)	27.6%	20%	No
	Miracle-Gro 18-18-21 Water Soluble Tomato Plant Food	Registered	No	Total Nitrogen (N)	19%	18%	No
				Available Phosphate (P ₂ O ₅)	19%	18%	No
				Soluble Potash (K ₂ O)	22%	21%	No
				Magnesium (Mg)	0.66%	0.5%	No
				Copper (Cu)	0.059%	0.05%	No
				Iron (Fe)	0.15%	0.1%	No
				Manganese (Mn)	0.061%	0.05%	No
Zinc (Zn)	0.059%	0.05%	No				
Miracle-Gro 18-24-16 Water Soluble Rose Plant Food	Registered	No	Total Nitrogen (N)	21%	18%	No	
			Available Phosphate (P ₂ O ₅)	24%	24%	No	
			Soluble Potash (K ₂ O)	16%	16%	No	
			Copper (Cu)	0.062%	0.05%	No	
			Iron (Fe)	0.13%	0.1%	No	
			Manganese (Mn)	0.06%	0.05%	No	
			Zinc (Zn)	0.058%	0.05%	No	
Scotts-Sierra Horticultural Products Marysville, Ohio	Osmocote Smart- Release Plant Food 15-8-11 PotShots Plant Food Nuggets	Registered	No	Total Nitrogen (N)	15%	15%	No
				Available Phosphate (P ₂ O ₅)	7.7%	8%	No
				Soluble Potash (K ₂ O)	14%	11%	No
				Magnesium (Mg)	1.23%	1.45%	No
				Sulfur (S)	5.5%	2.4%	No
				Boron (B)	0.036%	0.02%	No
				Iron (Fe)	0.407%	0.175%	No
				Manganese (Mn)	0.1%	0.05%	No
				Molybdenum (Mo)	0.021%	0.014%	No
SJ Enterprises Davis, California	Cyco Platinum Series 0-40-0 XL	Registered	No	Available Phosphate (P ₂ O ₅)	0.14%	40%	Yes

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Company	Product	Registration Status at Sampling	Mislabeled?	Element	Lab Analysis	Label Guarantee	Deficient?
Soda Springs Phosphate II Soda Springs, Idaho	Ida Gro Pelletized Gypsum (Mini Prill)	Registered	No	Calcium (Ca)	23%	20%	No
				Sulfur (S)	14%	12%	No
				Gypsum (CaSO ₄ • 2H ₂ O)	75.3%	64.5%	No
Sun Gro Horticulture Distribution, Inc. Bellevue, Washington	Black Gold 3-15-0 Bone Meal Fertilizer	Registered	No	Total Nitrogen (N)	4.5%	3%	No
				Available Phosphate (P ₂ O ₅)	15%	15%	No
	Black Gold 4-5-3 Tomato & Vegetable Fertilizer	Registered	No	Total Nitrogen (N)	5%	4%	No
				Available Phosphate (P ₂ O ₅)	6.3%	5%	No
				Soluble Potash (K ₂ O)	2.6%	3%	No
	Black Gold 4-6-2 Rose & Flower Fertilizer	Registered	No	Total Nitrogen (N)	4.8%	4%	No
				Available Phosphate (P ₂ O ₅)	6.7%	6%	No
				Soluble Potash (K ₂ O)	2.4%	2%	No
	Black Gold 15-7-15 Controlled Release Fertilizer Feeds Up to 6 Months	Registered	No	Total Nitrogen (N)	15%	15%	No
				Available Phosphate (P ₂ O ₅)	7.3%	7%	No
				Soluble Potash (K ₂ O)	16%	15%	No
				Magnesium (Mg)	1.3%	1.2%	No
				Sulfur (S)	8.4%	7%	No
Boron (B)				0.033%	0.03%	No	
Copper (Cu)				0.052%	0.05%	No	
Iron (Fe)				0.57%	0.45%	No	
Manganese (Mn)				0.077%	0.07%	No	
Molybdenum (Mo)	0.0092%	0.009%	No				
Zinc (Zn)	0.068%	0.07%	No				
Sunleaves Garden Products Bloomington, Indiana	0.5-13-0.2 Indonesian Bat Guano High Phosphorus All Natural Organic Fertilizer	Registered	No	Total Nitrogen (N)	0.31%	0.5%	No
				Available Phosphate (P ₂ O ₅)	7.6%	13%	Yes
				Soluble Potash (K ₂ O)	0.74%	0.2%	No

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Company	Product	Registration Status at Sampling	Mislabeled?	Element	Lab Analysis	Label Guarantee	Deficient?
Swiss Farms Products, Inc. Las Vegas, Nevada	Vigoro 12-10-5 Tomato & Vegetable Plant Food Plus Minors	Registered	No	Total Nitrogen (N)	11.5%	12%	No
				Available Phosphate (P ₂ O ₅)	8.8%	10%	Yes
				Soluble Potash (K ₂ O)	6.9%	5%	No
				Magnesium (Mg)	4.09%	1.5%	No
				Sulfur (S)	8.89%	5%	No
				Boron (B)	0.0347%	0.02%	No
				Copper (Cu)	0.098%	0.05%	No
				Iron (Fe)	1.51%	1%	No
				Manganese (Mn)	0.0516%	0.05%	No
				Molybdenum (Mo)	0.0015%	0.0005%	No
				Zinc (Zn)	0.249%	0.05%	No
Sylvite Sales (USA) Inc. Burlington, Ontario	15.5-0-0+19% Ca Field Grade Calcium Nitrate	Registered	No	Total Nitrogen (N)	15.9%	15.5%	No
				Calcium (Ca)	19%	19%	No
T-Nou NV Womelsdorf, Pennsylvania	Atami Presents 0-14-15 Bloombastic	Unregistered	No	Available Phosphate (P ₂ O ₅)	13.6%	14%	No
				Soluble Potash (K ₂ O)	16%	15%	No
				Iron (Fe)	1.16%	1.12%	No
Technaflora Plant Products, Ltd. Port Coquitlam, British Columbia	B.C. 1-4-7 Bloom	Registered	No	Total Nitrogen (N)	1%	1%	No
				Available Phosphate (P ₂ O ₅)	4.5%	4%	No
				Soluble Potash (K ₂ O)	7.1%	7%	No
				Magnesium (Mg)	1.29%	0.852%	No
				Sulfur (S)	1.82%	1.37%	No
				Boron (B)	0.007%	0.0072%	No
				Copper (Cu)	0.00266%	0.00268%	No
				Manganese (Mn)	0.022%	0.024%	No
				Molybdenum (Mo)	0.00061%	0.00012%	No
	Zinc (Zn)	0.0131%	0.0139%	No			
	2-11-11 Awesome Blossoms For All Flowering Plants	Registered	Yes	Total Nitrogen (N)	2.1%	2%	No
				Available Phosphate (P ₂ O ₅)	12%	11%	No
				Soluble Potash (K ₂ O)	8.1%	11%	Yes
				Boron (B)	0.01%	0.00011%	No
				Copper (Cu)	0.00068%	0.00011%	No
				Iron (Fe)	0.055%	0.0008%	No
				Manganese (Mn)	0.015%	0.00024%	No
				Molybdenum (Mo)	0.0004%	0.00001%	No
				Zinc (Zn)	0.0032%	0.00005%	No

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Company	Product	Registration Status at Sampling	Mislabeled?	Element	Lab Analysis	Label Guarantee	Deficient?
The Horticultural Choice Wholesale Garden Supply Seattle, Washington	Harvest Moon Organics 1-10-1 Hermacin	Unregistered	Yes	Total Nitrogen (N)	0.72%	1%	No
				Available Phosphate (P ₂ O ₅)	6.8%	10%	Yes
				Soluble Potash (K ₂ O)	4.3%	1%	No
Transloc Technologies Pty Ltd Davis, California	Dutch Master Gold Range Nutrient 4-0-4 Flower A Two Part Nutrient	Registered	No	Total Nitrogen (N)	4.7%	4%	No
				Available Phosphate (P ₂ O ₅)	5.5%	4%	No
				Soluble Potash (K ₂ O)	5.5%	4%	No
				Magnesium (Mg)	1%	0.5%	No
				Copper (Cu)	0.0025%	0.001%	No
				Iron (Fe)	0.036%	0.03%	No
				Manganese (Mn)	0.0051%	0.001%	No
				Zinc (Zn)	0.0036%	0.001%	No
	Dutch Master Gold 0.6-8-5 Flower B Two Part Nutrient	Unregistered	Yes	Total Nitrogen (N)	0.563%	1%	No
				Available Phosphate (P ₂ O ₅)	7.15%	8%	No
				Soluble Potash (K ₂ O)	6.5%	5%	No
				Magnesium (Mg)	0.62%	0.9%	Yes
				Sulfur (S)	1.7%	1%	No
				Boron (B)	0.0092%	0.007%	No
Copper (Cu)				0.00017%	0.001%	Yes	
Dutch Master Gold Range Replicator 0.01-0.008-0.02 Cut Stem Gel	Registered	Yes	Total Nitrogen (N)	0.03%	0.01%	No	
			Available Phosphate (P ₂ O ₅)	0.013%	0.008%	No	
			Soluble Potash (K ₂ O)	0.38%	0.02%	No	
			Magnesium (Mg)	0.0035%	0.0023%	No	
			Sulfur (S)	0.011%	0.005%	No	
Two Rivers Terminal, LLC Pasco, Washington	Power-Line Professional Products Zinc Sulfate - Granular	Registered	Yes	Sulfur (S)	17%	17%	No
				Zinc (Zn)	37.5%	35%	No
	Power-Line Professional Products Power-Bor 15	Registered	Yes	Boron (B)	14%	15%	No

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Company	Product	Registration Status at Sampling	Mislabeled?	Element	Lab Analysis	Label Guarantee	Deficient?
Voluntary Purchasing Groups, Inc. Bonham, Texas	ferti•lome Chelated Liquid Iron And Other Micronutrients	Registered	No	Copper (Cu)	0.071%	0.05%	No
				Iron (Fe)	4.38%	3.25%	No
				Manganese (Mn)	0.054%	0.15%	Yes
				Zinc (Zn)	0.38%	0.16%	No
	ferti•lome 14-12-11 Rose Food	Registered	No	Total Nitrogen (N)	14%	14%	No
				Available Phosphate (P ₂ O ₅)	13%	12%	No
				Soluble Potash (K ₂ O)	11%	11%	No
				Boron (B)	0.03%	0.02%	No
				Copper (Cu)	0.054%	0.05%	No
				Iron (Fe)	1.7%	0.1%	No
Manganese (Mn)	0.088%	0.05%	No				
Zinc (Zn)	0.065%	0.05%	No				
WestLink Ag Meridian, Idaho	3-0-0 WL Crop Boost	Registered	No	Total Nitrogen (N)	3.6%	3%	No
Wilbur-Ellis Company Yakima, Washington	Lighthouse 12-0-0 Feather Meal Fertilizer	Registered	No	Total Nitrogen (N)	13%	12%	No
	Lighthouse 13-0-0 Blood Meal Fertilizer	Registered	No	Total Nitrogen (N)	14%	13%	No
	Lighthouse 5-2-1 Cottonseed Meal Fertilizer	Registered	No	Total Nitrogen (N)	6.8%	5%	No
				Available Phosphate (P ₂ O ₅)	0.23%	2%	Yes
				Soluble Potash (K ₂ O)	1%	1%	No
	Lighthouse 7-4-1 High Nitrogen Bat Guano Fertilizer	Registered	No	Total Nitrogen (N)	8%	7%	No
				Available Phosphate (P ₂ O ₅)	3.9%	4%	No
Soluble Potash (K ₂ O)				1.2%	1%	No	
Perfection 16-20-0	Registered	No	Total Nitrogen (N)	17%	16%	No	
			Available Phosphate (P ₂ O ₅)	22%	20%	No	
			Sulfur (S)	16%	13%	No	
Perfection 12-40-0 MicroEssentials SZ	Registered	No	Total Nitrogen (N)	12%	12%	No	
			Available Phosphate (P ₂ O ₅)	40%	40%	No	
			Sulfur (S)	11%	10%	No	
			Zinc (Zn)	1.3%	1%	No	

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Company	Product	Registration Status at Sampling	Mislabeled?	Element	Lab Analysis	Label Guarantee	Deficient?
Wilbur-Ellis Company Yakima, Washington	Perfection 11-52-0	Registered	No	Total Nitrogen (N)	11%	11%	No
				Available Phosphate (P ₂ O ₅)	51.3%	52%	No
	Perfection Pelletized Lime	Registered	No	Calcium Carbonate (CaCO ₃)	102.4%	86%	No
				Calcium Carbonate Equivalent (CCE)	92%	86%	No
				Magnesium Carbonate (MgCO ₃)	1.15%	1.4%	Yes
				% Passing 100 Mesh Sieve	90%	89%	No
				% Passing 40 Mesh Sieve	99%	99%	No
				% Passing 20 Mesh Sieve	100%	100%	No
				% Passing 10 Mesh Sieve	100%	100%	No
				Lime Score	91.52	90	No
				% Moisture (Max)	0.12%	2%	No
				Perfection Pelletized Dolomite	Registered	No	Calcium (Ca)
	Magnesium (Mg)	7.98%	10.35%				Yes
	Calcium Carbonate (CaCO ₃)	66.4%	50%				No
	Calcium Carbonate Equivalent (CCE)	94%	102%				No
Magnesium Carbonate (MgCO ₃)	27.7%	40%	Yes				
% Passing 100 Mesh Sieve	85.33%	94.8%	No				
% Passing 40 Mesh Sieve	97.8%	98.5%	No				
% Passing 20 Mesh Sieve	100%	100%	No				
% Passing 10 Mesh Sieve	100%	100%	No				
Lime Score	92.87	95	No				
% Moisture (Max)	0.32%	2%	No				
Wilco-Winfield, LLC Mt. Angel, Oregon	Wilco Fertilizer 11-52-0	Registered	No	Total Nitrogen (N)	11%	11%	No
				Available Phosphate (P ₂ O ₅)	53%	52%	No
	Wilco Fertilizer 40-0-0 Urea-Sul	Registered	Yes	Total Nitrogen (N)	40%	40%	No
				Sulfur (S)	6.4%	5%	No
	Prolific Fertilizer Turf Solutions 26-3-11 Proforma Flex-N with Mesa Duration CR Nitrogen	Unregistered	Yes	Total Nitrogen (N)	25.2%	26%	No
				Available Phosphate (P ₂ O ₅)	3.1%	3%	No
				Soluble Potash (K ₂ O)	12%	11%	No
				Sulfur (S)	8.6%	7%	No

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Company	Product	Registration Status at Sampling	Mislabeled?	Element	Lab Analysis	Label Guarantee	Deficient?
Wilco-Winfield, LLC Mt. Angel, Oregon	Wilco-Winfield, LLC Agricultural Lime	Unregistered	Yes	Calcium Carbonate (CaCO ₃)	98%	93%	No
				Calcium Carbonate Equivalent (CCE)	98%	93%	No
				% Passing 100 Mesh Sieve	88.5%	85%	No
				% Passing 40 Mesh Sieve	98.8%	93%	No
				% Passing 20 Mesh Sieve	99.9%	98%	No
				% Passing 10 Mesh Sieve	100%	100%	No
				Lime Score	97.49	93	No
				% Moisture (Max)	0.01%	2%	No
Winfield Solutions, LLC St. Paul, Minnesota	Agrisolutions Zinc Sulfate 35.5%	Registered	No	Sulfur (S)	20%	17.5%	No
				Zinc (Zn)	41.7%	35.5%	No
Zinc Nacional SA Fresno, California	Maximo Productos Maximo 362 Zinc Sulfate - Granular	Registered	No	Sulfur (S)	17.2%	17.5%	No
				Zinc (Zn)	37%	35.5%	No