

# **Oregon Department of Agriculture**

## **Fertilizer Program**

### **Laboratory Analysis Results**

**January 1 – December 31, 2012**

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	1-5-6 Sensi Bloom Part B	Registered	No	Total Nitrogen (N)	0.84%	1%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	5%	5%	No
				Soluble Potash (K <sub>2</sub> O)	6.7%	6%	No
				Magnesium (Mg)	0.73%	0.7%	No
	Jungle Juice 5-0-1 Micro (w/calcium carbonate)	Registered	No	Total Nitrogen (N)	5.1%	5%	No
				Soluble Potash (K <sub>2</sub> O)	1%	1%	No
				Calcium (Ca)	6.3%	5%	No
				Boron (B)	0.011%	0.01%	No
				Cobalt (Co)	0.00074%	0.0005%	No
				Copper (Cu)	0.0081%	0.01%	No
				Chelated Copper (Cu)	0.0091%	0.01%	No
				Iron (Fe)	0.1%	0.1%	No
				Chelated Iron (Fe)	0.13%	0.1%	No
				Manganese (Mn)	0.048%	0.05%	No
				Chelated Manganese (Mn)	0.065%	0.05%	No
Molybdenum (Mo)	0.00062%	0.0008%	No				
Zinc (Zn)	0.019%	0.015%	No				
Chelated Zinc (Zn)	0.03%	0.015%	No				
4-0-4 Sensi Bloom Part A	Registered	No	Total Nitrogen (N)	4.3%	4%	No	
			Soluble Potash (K <sub>2</sub> O)	5%	4%	No	
			Calcium (Ca)	2.8%	3.5%	Yes	
			Iron (Fe)	0.13%	0.13%	No	
			Manganese (Mn)	0.046%	0.07%	Yes	
Agro-K Corporation Minneapolis, Minnesota	Vigor-Cal-Phos	Unregistered	Yes	Calcium (Ca)	4.1%	4%	No
				Copper (Cu)	0.22%	0.25%	No
				Total Phosphorus (P)	14%	12%	No
Allied Imports and Logistics S. Lake Tahoe, California	House & Garden Van de Zwaan 0.2-0-0.7 Algen Extract	Unregistered	Yes	Total Nitrogen (N)	0.98%	0.2%	No
				Soluble Potash (K <sub>2</sub> O)	5%	0.7%	No

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Company	Product	Registration Status at Sampling	Mislabeled?	Element	Lab Analysis	Label Guarantee	Deficient?
<b>Al's Garden Center</b> Woodburn, Oregon	10-4-8 Northwest Formulation Slow Release - All Purpose Fertilizer With Micro-Nutrients	Registered	No	Total Nitrogen (N)	7.4%	10%	<b>Yes</b>
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	4.5%	4%	No
				Soluble Potash (K <sub>2</sub> O)	8.9%	8%	No
				Calcium (Ca)	10.1%	4.29%	No
				Magnesium (Mg)	3.78%	3.28%	No
				Sulfur (S)	6.88%	5.79%	No
				Copper (Cu)	0.057%	0.05%	No
				Iron (Fe)	3.17%	1.98%	No
				Manganese (Mn)	0.22%	0.12%	No
				Zinc (Zn)	0.078%	0.05%	No
<b>Biobizz Worldwide BV</b> Fremont, California	BioBizz 1-0-6 Bio-Grow Liquid Fertilizer	Registered	<b>Yes</b>	Total Nitrogen (N)	4.5%	1%	No
				Soluble Potash (K <sub>2</sub> O)	6.8%	6%	No
	BioBizz 2-0-4 Fish-Mix Plant Nutrient	Registered	<b>Yes</b>	Total Nitrogen (N)	4.9%	2%	No
				Soluble Potash (K <sub>2</sub> O)	3.8%	4%	No
<b>Bonide Products, Inc.</b> Oriskany, New York	Bonide Liquid Iron + Micronutrients	Registered	No	Magnesium (Mg)	0.5%	0.5%	No
				Boron (B)	0.014%	0.02%	No
				Copper (Cu)	0.23%	0.25%	No
				Iron (Fe)	4.6%	5%	No
				Manganese (Mn)	0.25%	0.25%	No
				Zinc (Zn)	0.53%	0.5%	No
<b>Botanicare</b> Chandler, Arizona	Botanicare Plant Energy Products CNS17 2-2-5 Bloom Commercial Nutrient System Original Hydroponics Formula For All Hydroponics Methods	Registered	No	Total Nitrogen (N)	1.8%	2%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	2.3%	2%	No
				Soluble Potash (K <sub>2</sub> O)	4.7%	5%	No
				Calcium (Ca)	1.7%	2%	No
				Magnesium (Mg)	0.82%	0.5%	No
				Sulfur (S)	0.88%	1.14%	No
				Manganese (Mn)	0.04%	0.05%	No
				Molybdenum (Mo)	0.00039%	0.0005%	No
				<b>Canadian Agri Products (USA) Corp.</b> Plano, Texas	ZN / 35 Zinc Sulfate (Monohydrate) Powder	Registered	No
Zinc (Zn)	37.4%	35%	No				

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Company	Product	Registration Status at Sampling	Mislabeled?	Element	Lab Analysis	Label Guarantee	Deficient?
Chem One, Ltd. Houston, Texas	Copper Sulfate Crystals (EPA Reg. No. 56576-1)	Registered	Yes	Copper (Cu)	27%	25%	No
	Copper Sulfate Crystals	Registered	No	Copper (Cu)	27%	25%	No
Crop Production Services Greeley, Colorado	11-52-0	Unregistered	No	Total Nitrogen (N)	11%	11%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	53%	52%	No
	Signature 4-3-1 Premix	Unregistered	Yes	Total Nitrogen (N)	3.61%	4.1%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	2.8%	3%	No
				Soluble Potash (K <sub>2</sub> O)	0.76%	1%	No
				Calcium (Ca)	28.5%	21.8%	No
				Magnesium (Mg)	4.08%	3.94%	No
Sulfur (S)	1.4%	0.4%	No				
Iron (Fe)	0.68%	0.45%	No				
Crop Production Services Salem, Oregon	0-3-0 Pelletized Phosphate	Unregistered	Yes	Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	4.2%	3%	No
				Calcium (Ca)	26%	20%	No
				Iron (Fe)	1.2%	1%	No
				Zinc (Zn)	0.13%	0.1%	No
Down to Earth Distributors, Inc. Eugene, Oregon	0-12-0 Liquid Bone Meal	Registered	No	Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	13%	12%	No
	HumaPlex Humic Acid Concentrate	Registered	No	Humic Acid	46.8%	50%	No
	All Natural Granular Humic Acids	Registered	No	Humic Acid	45.8%	50%	No
	4-3-3 Liquid All Purpose	Registered	No	Total Nitrogen (N)	4.3%	4%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	2.8%	3%	No
7-2-1 Organic Soybean Meal	Registered	No	Total Nitrogen (N)	5.8%	7%	Yes	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	0.6%	2%	Yes				
Soluble Potash (K <sub>2</sub> O)	1.4%	1%	No				

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Company	Product	Registration Status at Sampling	Mislabeled?	Element	Lab Analysis	Label Guarantee	Deficient?
Dr. Earth Company Winters, California	3-3-3 Liquid Solution All Purpose Fertilizer Plus Multi-Minerals	Unregistered	Yes	Total Nitrogen (N)	3.71%	3%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	3.2%	3%	No
				Soluble Potash (K <sub>2</sub> O)	3.8%	3%	No
				Magnesium (Mg)	0.46%	0.5%	No
				Copper (Cu)	0.05%	0.05%	No
				Iron (Fe)	0.21%	0.1%	No
				Manganese (Mn)	0.072%	0.05%	No
				Molybdenum (Mo)	0.0003%	0.0005%	No
				Zinc (Zn)	0.11%	0.1%	No
					0-0-4.5 100% Natural Seaweed Concentrate	Registered	Yes
Humic Acid	0.14%	6%	Yes				
	5-2-1 Cotton Seed Meal	Registered	Yes	Total Nitrogen (N)	6.4%	5%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	1.33%	2%	No
				Soluble Potash (K <sub>2</sub> O)	1.9%	1%	No
Dyno Nobel, Inc. Deer Island, Oregon	46-0-0 Ultra LBU Ultra Low Biuret Urea	Registered	No	Total Nitrogen (N)	46%	46%	No
				Biuret	0.08%	< 0.1%	No
Easy Gardener, Inc. Waco, Texas	Jobe's Organics 5-0-3 All Purpose Water Soluble Plant Food	Registered	No	Total Nitrogen (N)	5.5%	5%	No
				Soluble Potash (K <sub>2</sub> O)	4.3%	3%	No
E. B. Stone & Son, Inc. Suisun, California	E. B. Stone Organics 6-2-1 Cottonseed Meal	Registered	No	Total Nitrogen (N)	6.64%	6%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	1.8%	2%	No
				Soluble Potash (K <sub>2</sub> O)	1.9%	1%	No
	GreenAll 5-20-10 Sure Start with Micronutrients, Humic Acid and Slow- Release Nitrogen	Registered	No	Total Nitrogen (N)	5.31%	5%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	21%	20%	No
				Soluble Potash (K <sub>2</sub> O)	10%	10%	No
				Calcium (Ca)	10%	7%	No
				Sulfur (S)	3.1%	2%	No
				Iron (Fe)	1.8%	1%	No
				Manganese (Mn)	0.15%	0.1%	No
Zinc (Zn)	0.12%	0.1%	No				
Humic Acid	1.4%	1.3%	No				

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E. B. Stone & Son, Inc. Suisun, California	E. B. Stone Organics 2-0-3 Alfalfa Meal	Registered	No	Total Nitrogen (N) Soluble Potash (K <sub>2</sub> O)	2.24% 1.9%	2% 3%	No <b>Yes</b>
	E.B. Stone Organics 9-2-1 Bat Guano	Registered	No	Total Nitrogen (N) Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) Soluble Potash (K <sub>2</sub> O)	4.55% 2.5% 1.3%	9% 2% 1%	<b>Yes</b> No No
	E.B. Stone Organics 4-6-4 Bulb Food	Registered	<b>Yes</b>	Total Nitrogen (N) Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) Soluble Potash (K <sub>2</sub> O) Calcium (Ca) Sulfur (S) Humic Acid	4.49% 10% 4.6% 18% 3.2% 2.8%	4% 6% 4% 4% 1% 1.3%	No No No No No No
Eleanor's of California San Jose, California	Eleanor's VF-11 0.15-0.85-0.55 for Plants For All Plants, Trees & Vegetables	Registered	<b>Yes</b>	Total Nitrogen (N) Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) Soluble Potash (K <sub>2</sub> O)	0.32% 0.9% 2.35%	0.15% 0.85% 0.55%	No No No
Emerald Triangle Fortuna, California	Humboldt County's Own 0-0-3 Purple Maxx Snow Storm	Registered	No	Soluble Potash (K <sub>2</sub> O)	3.6%	3%	No
	Humboldt County's Own 0-0-3 Snow Storm Ultra Potassium Supplement	Registered	No	Soluble Potash (K <sub>2</sub> O)	3.1%	3%	No
Espoma Company Millville, New Jersey	4-1-5 Palm-tone for Organic Gardening (w/ <i>Pseudomonas</i> <i>alcaligenes</i> )	<b>Unregistered</b>	No	Total Nitrogen (N) Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) Soluble Potash (K <sub>2</sub> O) Calcium (Ca) Magnesium (Mg) Sulfur (S)	4.54% 1.6% 4.9% 1.4% 1.3% 3%	4% 1% 5% 1% 0.5% 1%	No No No No No No

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Espoma Company Millville, New Jersey	Espoma Organic 3-4-5 Flower-Tone Blossom Booster For Organic Gardening	Registered	No	Total Nitrogen (N)	3.79%	3%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	3.6%	4%	No
				Soluble Potash (K <sub>2</sub> O)	5.6%	5%	No
				Calcium (Ca)	3.63%	5%	Yes
				Magnesium (Mg)	1.1%	0.5%	No
				Sulfur (S)	2.6%	1%	No
	Espoma Organic Traditions Garden Lime	Registered	No	Calcium (Ca)	18.8%	21%	Yes
				Magnesium (Mg)	12%	10%	No
				Calcium Carbonate (CaCO <sub>3</sub> )	48%	52%	No
				Calcium Carbonate Equivalent (CCE)	96%	93%	No
				Magnesium Carbonate (MgCO <sub>3</sub> )	42%	35%	No
				Passing 100 Mesh Sieve	95%	80%	No
				Passing 40 Mesh Sieve	98%	95%	No
				Passing 20 Mesh Sieve	100%	100%	No
				Passing 10 Mesh Sieve	100%	100%	No
Lime Score	94.55	96	No				
Fox Farm Soil & Fertilizer Co. Arcata, California	2-8-4 Tiger Bloom Extra Strength Fertilizer for Abundant Blooms & Buds	Registered	No	Total Nitrogen (N)	4%	2%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	8.4%	8%	No
				Soluble Potash (K <sub>2</sub> O)	4%	4%	No
				Magnesium (Mg)	0.66%	0.5%	No
				Boron (B)	0.018%	0.02%	No
				Copper (Cu)	0.058%	0.05%	No
				Iron (Fe)	0.13%	0.12%	No
				Manganese (Mn)	0.066%	0.06%	No
				Zinc (Zn)	0.059%	0.05%	No
Frit Industries, Inc. Ozark, Alabama	F-503 G	Unregistered	Yes	Boron (B)	2.9%	2.4%	No
				Copper (Cu)	3.3%	2.4%	No
				Iron (Fe)	21.4%	14.4%	No
				Manganese (Mn)	6.6%	6%	No
				Molybdenum (Mo)	0.046%	0.06%	No
				Zinc (Zn)	9.9%	5.6%	No
GH, Inc. Sebastopol, California	0-1-1 Diamond Nectar Premium Grade Humic Acids	Unregistered	Yes	Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	0.91%	1%	No
				Soluble Potash (K <sub>2</sub> O)	0.65%	1%	No
				Humic Acid	0.0085%	0.01%	No

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Company	Product	Registration Status at Sampling	Mislabeled?	Element	Lab Analysis	Label Guarantee	Deficient?
GH, Inc. Sebastopol, California	1-0.5-1 Rapid Start Rooting Enhancer	Registered	No	Total Nitrogen (N)	1.6%	1%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	0.51%	0.5%	No
				Soluble Potash (K <sub>2</sub> O)	1.7%	1%	No
				Iron (Fe)	0.04%	0.05%	No
				Chelated Iron (Fe)	0.04%	0.05%	No
	1-0-0 Cali Magic Calcium-Magnesium Supplement	Unregistered	No	Total Nitrogen (N)	2.7%	1%	No
				Calcium (Ca)	5.5%	5%	No
				Magnesium (Mg)	1.23%	1.5%	No
				Iron (Fe)	0.09%	0.1%	No
				Chelated Iron (Fe)	0.09%	0.1%	No
	1-5-4 B FloraDuo Two-Part Nutrient	Registered	No	Total Nitrogen (N)	1%	1%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	5%	5%	No
				Soluble Potash (K <sub>2</sub> O)	4.1%	4%	No
				Magnesium (Mg)	1.6%	1.5%	No
				Sulfur (S)	2%	2%	No
				Boron (B)	0.0085%	0.01%	No
				Copper (Cu)	0.0027%	0.003%	No
				Chelated Copper (Cu)	0.0027%	0.003%	No
				Iron (Fe)	0.012%	0.01%	No
				Chelated Iron (Fe)	0.012%	0.01%	No
				Manganese (Mn)	0.009%	0.01%	No
				Chelated Manganese (Mn)	0.009%	0.01%	No
				Molybdenum (Mo)	0.0022%	0.0009%	No
				Zinc (Zn)	0.0036%	0.004%	No
				Chelated Zinc (Zn)	0.0038%	0.004%	No
	5-0-6 A FloraDuo Two-Part Nutrient	Registered	No	Total Nitrogen (N)	5%	5%	No
				Soluble Potash (K <sub>2</sub> O)	4.5%	6%	Yes
				Calcium (Ca)	3.9%	3%	No
				Magnesium (Mg)	0.11%	0.1%	No
				Boron (B)	0.017%	0.018%	No
				Copper (Cu)	0.0066%	0.007%	No
				Chelated Copper (Cu)	0.0073%	0.007%	No
				Iron (Fe)	0.07%	0.05%	No
Chelated Iron (Fe)				0.066%	0.05%	No	
Manganese (Mn)				0.028%	0.03%	No	
Chelated Manganese (Mn)				0.032%	0.03%	No	
Molybdenum (Mo)				0.0012%	0.0009%	No	
Zinc (Zn)				0.009%	0.01%	No	
Chelated Zinc (Zn)	0.01%	0.01%	No				



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GH, Inc. Sebastopol, California	1-1-1 Floralicious Organic Base Enhancer Bloom	Unregistered	Yes	Total Nitrogen (N)	1%	1%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	0.33%	1%	No
				Soluble Potash (K <sub>2</sub> O)	0.6%	1%	No
				Humic Acid	0.85%	1%	No
	5-0-1 FloraMicro Advanced Nutrient System	Unregistered	No	Total Nitrogen (N)	5.2%	5%	No
				Soluble Potash (K <sub>2</sub> O)	1%	1%	No
				Calcium (Ca)	5.9%	5%	No
				Boron (B)	0.011%	0.01%	No
				Cobalt (Co)	0.0011%	0.0005%	No
				Copper (Cu)	0.009%	0.01%	No
				Chelated Copper (Cu)	0.0087%	0.01%	No
				Iron (Fe)	0.12%	0.1%	No
				Chelated Iron (Fe)	0.1%	0.1%	No
				Manganese (Mn)	0.042%	0.05%	No
				Chelated Manganese (Mn)	0.044%	0.05%	No
				Molybdenum (Mo)	0.001%	0.0008%	No
				Zinc (Zn)	0.015%	0.015%	No
Chelated Zinc (Zn)	0.016%	0.015%	No				
Green Light Company Walnut Creek, California	20-20-20 Instant All Purpose Plant Food	Registered	No	Total Nitrogen (N)	23.6%	20%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	22%	20%	No
				Soluble Potash (K <sub>2</sub> O)	23%	20%	No
				Iron (Fe)	0.098%	0.10%	No
				Chelated Iron (Fe)	0.098%	0.10%	No
				Zinc (Zn)	0.053%	0.05%	No
				Chelated Zinc (Zn)	0.05%	0.05%	No
				Griffin Industries, LLC Cold Spring, Kentucky	Nature Safe 9-6-1 Fertilizer	Registered	Yes
Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	5.7%	6%	No				
Soluble Potash (K <sub>2</sub> O)	1.9%	1%	No				
Calcium (Ca)	9.8%	5%	No				
Gro Tec, Inc. Madison, Georgia	Ironite Since 1956 7-6-6 Plus Liquid Plant & Flower Food For Indoor & Outdoor Plants & Flowers (w/ 0.9% Sulfur)	Unregistered	Yes	Total Nitrogen (N)	7.06%	7%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	6.2%	6%	No
				Soluble Potash (K <sub>2</sub> O)	6.7%	6%	No
				Sulfur (S)	1.2%	0.9%	No
				Boron (B)	0.018%	0.02%	No
				Iron (Fe)	0.15%	0.1%	No

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Company	Product	Registration Status at Sampling	Mislabeled?	Element	Lab Analysis	Label Guarantee	Deficient?
Grower's Secret San Francisco, California	5-2-1 Grower's Secret	Registered	No	Total Nitrogen (N)	5.4%	5%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	1.6%	2%	No
				Soluble Potash (K <sub>2</sub> O)	1.2%	1%	No
	5-0-0 Green Up Nitrogen for Nitrogen Loving Plants	Unregistered	Yes	Total Nitrogen (N)	4.9%	5%	No
				0-0-6 Strengthen Organic Bud and Bloom Fertilizer	Unregistered	Yes	Soluble Potash (K <sub>2</sub> O)
	3-0-1 Accelerate Soluble Nitrogen and Kelp	Unregistered	Yes	Total Nitrogen (N)	3.6%	3%	No
Soluble Potash (K <sub>2</sub> O)				1.1%	1%	No	
0-0-3 Molasses Energize Organic Carbohydrate Source	Unregistered	Yes	Soluble Potash (K <sub>2</sub> O)	1.2%	3%	Yes	
16-0-0 Grower's Secret Nitrogen (GSN) Nitrogen for Organic Production	Unregistered	Yes	Total Nitrogen (N)	18%	16%	No	
Grow More, Inc. Gardena, California	5-50-17 Hawaiian Bud and Bloom Instant Water Soluble Concentrate with Chelated Micronutrients	Registered	No	Total Nitrogen (N)	7.5%	5%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	51%	50%	No
				Soluble Potash (K <sub>2</sub> O)	19%	17%	No
				Boron (B)	0.029%	0.02%	No
				Copper (Cu)	0.075%	0.05%	No
				Chelated Copper (Cu)	0.074%	0.05%	No
				Iron (Fe)	0.14%	0.10%	No
				Chelated Iron (Fe)	0.13%	0.10%	No
				Manganese (Mn)	0.071%	0.05%	No
				Chelated Manganese (Mn)	0.069%	0.05%	No
				Molybdenum (Mo)	0.0011%	0.0005%	No
				Zinc (Zn)	0.099%	0.05%	No
				Chelated Zinc (Zn)	0.092%	0.05%	No

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Company	Product	Registration Status at Sampling	Mislabeled?	Element	Lab Analysis	Label Guarantee	Deficient?
Grow More, Inc. Gardena, California	Grow More Orchid 30-10-10 Growth Formula Premium Orchid Food	Registered	No	Total Nitrogen (N)	30%	30%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	12%	10%	No
				Soluble Potash (K <sub>2</sub> O)	10%	10%	No
				Copper (Cu)	0.043%	0.05%	No
				Iron (Fe)	0.13%	0.1%	No
				Manganese (Mn)	0.058%	0.05%	No
				Molybdenum (Mo)	0.00041%	0.0005%	No
				Zinc (Zn)	0.061%	0.05%	No
	Grow More Orchid 6-30-30 Bloom Formula Premium Orchid Food	Registered	No	Total Nitrogen (N)	6%	6%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	29.25%	30%	No
				Soluble Potash (K <sub>2</sub> O)	33.2%	30%	No
				Copper (Cu)	0.069%	0.05%	No
				Iron (Fe)	0.12%	0.1%	No
				Manganese (Mn)	0.077%	0.05%	No
				Molybdenum (Mo)	0.0003%	0.0005%	No
				Zinc (Zn)	0.078%	0.05%	No
	Grow More 20-10-20 Premium Orchid Food	Unregistered	Yes	Total Nitrogen (N)	19.3%	20%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	10%	10%	No
				Soluble Potash (K <sub>2</sub> O)	21%	20%	No
				Copper (Cu)	0.058%	0.05%	No
				Iron (Fe)	0.15%	0.1%	No
				Manganese (Mn)	0.06%	0.05%	No
				Molybdenum (Mo)	0.00035%	0.0005%	No
				Zinc (Zn)	0.062%	0.05%	No
Humboldt Nutrients Corp. Eureka, California	2-1-6 Grow	Registered	No	Total Nitrogen (N)	2.5%	2%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	0.88%	1%	No
				Soluble Potash (K <sub>2</sub> O)	6.3%	6%	No
				Magnesium (Mg)	0.51%	0.5%	No
	5-0-1 Micro	Registered	No	Total Nitrogen (N)	5.7%	5%	No
				Soluble Potash (K <sub>2</sub> O)	0.69%	1%	No
				Calcium (Ca)	5.4%	5%	No
				Cobalt (Co)	0.00029%	0.0005%	No
				Iron (Fe)	0.48%	0.5%	No
				Manganese (Mn)	0.045%	0.05%	No
				Molybdenum (Mo)	0.00061%	0.001%	No

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Company	Product	Registration Status at Sampling	Mislabeled?	Element	Lab Analysis	Label Guarantee	Deficient?
Humboldt Nutrients Corp. Eureka, California	0-0-22 HydroDeuce Potassium Supplement	Unregistered	No	Soluble Potash (K <sub>2</sub> O)	26%	22%	No
Humboldt Nutrients LLC Eureka, California	Hum Bolt Liquid Humic Acid Concentrate 8%	Registered	No	Humic Acid	6.8%	8%	No
Kellogg Garden Products Carson, California	Gardner & Bloome 4-4-4 Natural Organic All Purpose Fertilizer	Registered	No	Total Nitrogen (N)	4.65%	4%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	3.7%	4%	No
				Soluble Potash (K <sub>2</sub> O)	4%	4%	No
				Humic Acid	4%	2%	No
Knox Fertilizer Co., Inc. Knox, Indiana	KGRO 30-0-10 Winterizer Lawn Food	Registered	No	Total Nitrogen (N)	30%	30%	No
				Soluble Potash (K <sub>2</sub> O)	10%	10%	No
				Chlorine (Cl) Max	7.6%	10%	No
	KGRO 10-54-10 Super Bloom Water Soluble	Unregistered	No	Total Nitrogen (N)	12%	10%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	54%	54%	No
				Soluble Potash (K <sub>2</sub> O)	12%	10%	No
				Copper (Cu)	0.0038%	0.05%	Yes
				Iron (Fe)	0.13%	0.1%	No
Manganese (Mn)	0.04%	0.05%	No				
Zinc (Zn)	0.066%	0.05%	No				
Lawn and Garden Products, Inc. Fresno, California	Monterey Sequestar 3-0-0 Iron 6% Fully Chelated Iron	Registered	Yes	Total Nitrogen (N)	4.52%	3%	No
				Iron (Fe)	5.8%	6%	No
				Chelated Iron (Fe)	6.2%	6%	No
Loveland Products, Inc. Greeley, Colorado	Signature 24-4-8 + 3.5Fe Largo Verde	Unregistered	No	Total Nitrogen (N)	23.1%	24%	Yes
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	4.1%	4%	No
				Soluble Potash (K <sub>2</sub> O)	8.3%	8%	No
				Sulfur (S)	9.1%	8%	No
				Iron (Fe)	4%	3.5%	No
				Manganese (Mn)	0.29%	0.2%	No

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Company	Product	Registration Status at Sampling	Mislabeled?	Element	Lab Analysis	Label Guarantee	Deficient?
Loveland Products, Inc. Greeley, Colorado	Groganic 14-2-8	Registered	No	Total Nitrogen (N)	11.1%	14%	Yes
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	1.5%	2%	No
				Soluble Potash (K <sub>2</sub> O)	7.9%	8%	No
				Calcium (S)	10.8%	4%	No
				Sulfur (S)	1.5%	4%	Yes
				Chlorine (Cl) (Max)	6.6%	2%	Yes
				Ferrous Sulfate Fertilizer Grade 6-12 Mesh	Registered	Yes	Sulfur (S)
Iron (Fe)	30%	30%	No				
Maxicrop USA, Inc. Arlington Heights, Illinois	Ohrstrom's Maxicrop 1-0-4 Soluble Powder Trees Shrubs Flowers Houseplants Lawns Fruits Berries	Registered	No	Total Nitrogen (N)	1.7%	1%	No
				Soluble Potash (K <sub>2</sub> O)	4.9%	4%	No
Miller Chemical & Fertilizer Hanover, Pennsylvania	Millerplex	Registered	No	Magnesium (Mg)	5.43%	5.43%	No
				Boron (B)	0.44%	0.5%	No
				Cobalt (Co)	0.082%	0.05%	No
				Copper (Cu)	1.4%	1.5%	Yes
				Chelated Copper (Cu)	1.4%	1.5%	No
				Iron (Fe)	3.9%	4%	No
				Chelated Iron (Fe)	4%	4%	No
				Manganese (Mn)	4.4%	4%	No
				Chelated Manganese (Mn)	4.4%	4%	No
				Molybdenum (Mo)	0.084%	0.1%	No
				Zinc (Zn)	1.5%	1.5%	No
Chelated Zinc (Zn)	1.5%	1.5%	No				
Olivia's Solutions, Inc. Calistoga, California	Olivia's 0.08-0.15-0.09 Cloning Gel Rooting & Propagation Gel	Registered	No	Total Nitrogen (N)	0.33%	0.08%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	0.37%	0.15%	No
				Soluble Potash (K <sub>2</sub> O)	1%	0.09%	No
Organic Nutrients Diamond Bar, California	2-2-2 100% Organic Insect Frass USA Farm-Grown	Unregistered	Yes	Total Nitrogen (N)	3.2%	2%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	1.7%	2%	No
				Soluble Potash (K <sub>2</sub> O)	2.2%	2%	No

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Company	Product	Registration Status at Sampling	Mislabeled?	Element	Lab Analysis	Label Guarantee	Deficient?
PCS Sales (USA), Inc. Northbrook, Illinois	0-0-62 Ag Soluble Granular Muriate of Potash	Registered	No	Soluble Potash (K <sub>2</sub> O)	62%	62%	No
Plant Products Co. Ltd. Brampton, Ontario	Plantex NutriTrace Sulfate	Unregistered	Yes	Sulfur (S)	13.7%	13%	No
				Boron (B)	1.77%	1.35%	No
				Copper (Cu)	2.35%	2.3%	No
				Iron (Fe)	10.5%	9%	No
				Manganese (Mn)	10.5%	8%	No
				Molybdenum (Mo)	0.046%	0.04%	No
				Zinc (Zn)	5.46%	4.5%	No
	Plantex 12-2-14 Cal Mag + P	Unregistered	Yes	Total Nitrogen (N)	11.7%	12%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	1.4%	2%	No
				Soluble Potash (K <sub>2</sub> O)	14%	14%	No
				Calcium (Ca)	7.3%	6%	No
				Magnesium (Mg)	3.4%	3%	No
				Boron (B)	0.014%	0.02%	No
				Copper (Cu)	0.05%	0.05%	No
				Iron (Fe)	0.11%	0.10%	No
				Manganese (Mn)	0.053%	0.05%	No
				Molybdenum (Mo)	0.011%	0.015%	No
	Zinc (Zn)	0.056%	0.05%	No			
	Plantex 17-4-9 Pansy	Registered	No	Total Nitrogen (N)	17%	17%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	5.2%	4%	No
Soluble Potash (K <sub>2</sub> O)				20%	19%	No	
Magnesium (Mg)				3.6%	3.25%	No	
Boron (B)				0.032%	0.035%	No	
Copper (Cu)				0.042%	0.05%	No	
Chelated Copper (Cu)				0.042%	0.05%	No	
Iron (Fe)				0.18%	0.18%	No	
Chelated Iron (Fe)				0.18%	0.18%	No	
Manganese (Mn)				0.04%	0.05%	No	
Chelated Manganese (Mn)				0.04%	0.05%	No	
Molybdenum (Mo)				0.0104	0.015%	No	
Zinc (Zn)				0.043%	0.05%	No	
Chelated Zinc (Zn)	0.043%	0.05%	No				

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Company	Product	Registration Status at Sampling	Mislabeled?	Element	Lab Analysis	Label Guarantee	Deficient?
Plant Products Co. Ltd. Brampton, Ontario	Plantex 20-20-20 Classic	Registered	No	Total Nitrogen (N)	19.3%	20%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	20%	20%	No
				Soluble Potash (K <sub>2</sub> O)	21%	20%	No
				Boron (B)	0.017%	0.02%	No
				Copper (Cu)	0.054%	0.05%	No
				Chelated Copper (Cu)	0.052%	0.05%	No
				Iron (Fe)	0.12%	0.10%	No
				Chelated Iron (Fe)	0.11%	0.10%	No
				Manganese (Mn)	0.056%	0.05%	No
				Chelated Manganese (Mn)	0.054%	0.05%	No
				Molybdenum (Mo)	0.0018%	0.0005%	No
				Zinc (Zn)	0.059%	0.05%	No
				Chelated Zinc (Zn)	0.055%	0.05%	No
				Plantex 21-5-20 High Nitrate Low P	Registered	No	Total Nitrogen (N)
	Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	5.8%	5%				No
	Soluble Potash (K <sub>2</sub> O)	23%	20%				No
	Magnesium (Mg)	0.31%	0.15%				No
	Boron (B)	0.015%	0.02%				No
	Copper (Cu)	0.051%	0.05%				No
	Chelated Copper (Cu)	0.049%	0.05%				No
	Iron (Fe)	0.127%	0.125%				No
	Chelated Iron (Fe)	0.126%	0.125%				No
	Manganese (Mn)	0.049%	0.05%				No
	Chelated Manganese (Mn)	0.048%	0.05%				No
	Molybdenum (Mo)	0.012%	0.015%				No
	Zinc (Zn)	0.054%	0.05%				No
	Chelated Zinc (Zn)	0.05%	0.05%				No
	Plantex 24-8-16 Foliage Fertilizer	Registered	Yes	Total Nitrogen (N)	22.7%	24%	Yes
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	9%	8%	No
				Soluble Potash (K <sub>2</sub> O)	17%	16%	No
				Boron (B)	0.016%	0.02%	No
				Copper (Cu)	0.049%	0.05%	No
				Chelated Copper (Cu)	0.049%	0.05%	No
				Iron (Fe)	0.11%	0.10%	No
				Chelated Iron (Fe)	0.11%	0.10%	No
				Manganese (Mn)	0.044%	0.05%	No
Chelated Manganese (Mn)				0.044%	0.05%	No	
Molybdenum (Mo)				0.00083%	0.0005%	No	
Zinc (Zn)				0.062%	0.05%	No	
Chelated Zinc (Zn)				0.058%	0.05%	No	

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Company	Product	Registration Status at Sampling	Mislabeled?	Element	Lab Analysis	Label Guarantee	Deficient?
<b>Plant Products Co. Ltd.</b> Brampton, Ontario	Plantex 15-2-20 Pansy Special	Registered	No	Total Nitrogen (N)	13.5%	15%	<b>Yes</b>
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	2.2%	2%	No
				Soluble Potash (K <sub>2</sub> O)	22%	20%	No
				Calcium (Ca)	4.39%	3.75%	No
				Magnesium (Mg)	1.8%	1.9%	No
				Boron (B)	0.23%	0.03%	No
				Copper (Cu)	0.04%	0.05%	No
				Chelated Copper (Cu)	0.04%	0.05%	No
				Iron (Fe)	0.10%	0.10%	No
				Chelated Iron (Fe)	0.09%	0.10%	No
				Manganese (Mn)	0.04%	0.05%	No
				Chelated Manganese (Mn)	0.04%	0.05%	No
				Molybdenum (Mo)	0.065%	0.075%	No
				Zinc (Zn)	0.042%	0.05%	No
				Chelated Zinc (Zn)	0.042%	0.05%	No
<b>Plant Revolution, Inc.</b> Santa Ana, California	Plant Success 17-9-5 Tablets	Registered	No	Total Nitrogen (N)	21.3%	17%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	12%	9%	No
				Soluble Potash (K <sub>2</sub> O)	5.9%	5%	No
<b>Prince Minerals, Inc.</b> Quincy, Illinois	Granusol Manganese	Registered	No	Manganese (Mn)	38%	35%	No
	Granusol Iron	Registered	No	Iron (Fe)	54%	50%	No
<b>QC Corporation</b> Baltimore, Maryland	Diamond SuGrow Granular Iron Sucrate - 50% Fe SGN 150	Registered	No	Iron (Fe)	52%	50%	No
<b>Rapidgrow Industries, Inc.</b> Windsor, Ontario	Supernatural 3-0-0 Superlicious Plant Food	Registered	No	Total Nitrogen (N)	3%	3%	No
				Magnesium (Mg)	8.6%	5.8%	No
				Sulfur (S)	11%	8%	No



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Company	Product	Registration Status at Sampling	Mislabeled?	Element	Lab Analysis	Label Guarantee	Deficient?
Rapidgrow Industries, Inc. Windsor, Ontario	Supernatural 20-20-20 Gro Terra	Registered	No	Total Nitrogen (N)	19%	20%	Yes
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	21%	20%	No
				Soluble Potash (K <sub>2</sub> O)	22%	20%	No
				Boron (B)	0.019%	0.02%	No
				Copper (Cu)	0.044%	0.05%	No
				Chelated Copper (Cu)	0.047%	0.05%	No
				Iron (Fe)	0.11%	0.1%	No
				Chelated Iron (Fe)	0.093%	0.1%	No
				Manganese (Mn)	0.045%	0.05%	No
				Chelated Manganese (Mn)	0.05%	0.05%	No
				Molybdenum (Mo)	0.00074%	0.001%	No
				Zinc (Zn)	0.046%	0.05%	No
				Chelated Zinc (Zn)	0.05%	0.05%	No
Rexius Forest By-Products, Inc. Eugene, Oregon	Garden Valley Organics 4-6-2 All Purpose All Natural Fertilizer	Registered	No	Total Nitrogen (N)	5.2%	4%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	8.8%	6%	No
				Soluble Potash (K <sub>2</sub> O)	2.2%	2%	No
				Magnesium (Mg)	1.28%	1.8%	Yes
				Humic Acid	7.2%	5%	No
	Garden Valley Organics 4-3-6 Acid Plant Food All Natural Fertilizer	Registered	No	Total Nitrogen (N)	3.7%	4%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	2.5%	3%	No
				Soluble Potash (K <sub>2</sub> O)	6.5%	6%	No
	Bi-Mart Just Right for the Northwest Premium 26-3-3 Premium Green Plus Lawn Food	Registered	Yes	Total Nitrogen (N)	27%	26%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	3.4%	3%	No
				Soluble Potash (K <sub>2</sub> O)	3.1%	3%	No
				Sulfur (S)	13%	11%	No
				Iron (Fe)	1.1%	1%	No
	Bi-Mart Just Right for the Northwest Premium 16-16-16 Premium All Purpose Fertilizer	Registered	Yes	Total Nitrogen (N)	17%	16%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	17%	16%	No
				Soluble Potash (K <sub>2</sub> O)	16%	16%	No
Sulfur (S)				6.6%	2%	No	
Rod McLellan Company Marysville, Ohio	Whitney Farms 3-4-2 Tomato & Vegetable Food Contains Organic-Gro Beneficial Microbes	Registered	No	Total Nitrogen (N)	4.05%	3%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	3.33%	4%	No
				Soluble Potash (K <sub>2</sub> O)	3%	2%	No
				Calcium (Ca)	5.1%	2%	No

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Company	Product	Registration Status at Sampling	Mislabeled?	Element	Lab Analysis	Label Guarantee	Deficient?
<b>Rod McLellan Company</b> Marysville, Ohio	Whitney Farms 4-2-3 All Purpose Plant Food Contains Organic-Gro Beneficial Microbes	Registered	No	Total Nitrogen (N)	4.85%	4%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	1.5%	2%	No
				Soluble Potash (K <sub>2</sub> O)	3.4%	3%	No
				Calcium (Ca)	2.6%	2%	No
<b>Round Butte Seed Growers</b> Culver, Oregon	Super Grow 28-0-0-10 (S)	Registered	No	Total Nitrogen (N)	29%	28%	No
				Sulfur (S)	12%	10%	No
	Super Grow 16-16-16-3 (S) All Purpose Fertilizer	<b>Unregistered</b>	No	Total Nitrogen (N)	19%	16%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	16%	16%	No
				Soluble Potash (K <sub>2</sub> O)	11.3%	16%	<b>Yes</b>
	Super Grow 15-5-10-9 (S) 4 (Fe)	<b>Unregistered</b>	No	Total Nitrogen (N)	10.7%	15%	<b>Yes</b>
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	4.6%	5%	No
				Soluble Potash (K <sub>2</sub> O)	12%	10%	No
				Sulfur (S)	11.3%	4%	No
<b>Schultz Company</b> Bridgeton, Missouri	8-14-9 African Violet Plus Micronutrients	Registered	No	Total Nitrogen (N)	9.1%	8%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	16%	14%	No
				Soluble Potash (K <sub>2</sub> O)	10%	9%	No
				Iron (Fe)	0.11%	0.10%	No
				Chelated Iron (Fe)	0.10%	0.10%	No
				Manganese (Mn)	0.04%	0.05%	No
				Chelated Manganese (Mn)	0.04%	0.05%	No
				Zinc (Zn)	0.07%	0.05%	No
				Chelated Zinc (Zn)	0.066%	0.05%	No
				<b>Scotts Miracle-Gro Products, Inc.</b> Marysville, Ohio	Miracle-Gro 24-8-16 Water Soluble All Purpose Plant Food	Registered	No
Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	9.8%	8%	No				
Soluble Potash (K <sub>2</sub> O)	18%	16%	No				
Boron (B)	0.02%	0.02%	No				
Copper (Cu)	0.073%	0.07%	No				
Iron (Fe)	0.19%	0.15%	No				
Manganese (Mn)	0.052%	0.05%	No				
Molybdenum (Mo)	0.00055%	0.0005%	No				
Zinc (Zn)	0.062%	0.06%	No				

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Company	Product	Registration Status at Sampling	Mislabeled?	Element	Lab Analysis	Label Guarantee	Deficient?
<b>Scotts Miracle-Gro Products, Inc.</b> Marysville, Ohio	Miracle-Gro 30-10-10 Water Soluble Miracid Acid-Loving Plant Food	Registered	No	Total Nitrogen (N)	31.7%	30%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	11%	10%	No
				Soluble Potash (K <sub>2</sub> O)	10%	10%	No
				Boron (B)	0.02%	0.02%	No
				Copper (Cu)	0.068%	0.07%	No
				Iron (Fe)	0.349%	0.325%	No
				Manganese (Mn)	0.048%	0.05%	No
				Molybdenum (Mo)	0.00055%	0.0005%	No
				Zinc (Zn)	0.072%	0.07%	No
	Miracle-Gro 6-12-6 Indoor Plant Food Spikes	Registered	No	Total Nitrogen (N)	5.48%	6%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	12%	12%	No
				Soluble Potash (K <sub>2</sub> O)	7.7%	6%	No
				Magnesium (Mg)	0.91%	0.5%	No
				Sulfur (S)	3.3%	2%	No
				Boron (B)	0.034%	0.02%	No
				Copper (Cu)	0.052%	0.05%	No
				Iron (Fe)	0.39%	0.15%	No
				Manganese (Mn)	0.061%	0.05%	No
Zinc (Zn)	0.061%	0.05%	No				
<b>SJ Enterprises</b> Pooraka, South Australia	Cyco Platinum Series 0-40-0 XL	Registered	No	Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	33.8%	40%	<b>Yes</b>
<b>Swiss Farms Products</b> Las Vegas, Nevada	KGro 15-30-15 All Purpose Plant Food	Registered	No	Total Nitrogen (N)	17%	15%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	33%	30%	No
				Soluble Potash (K <sub>2</sub> O)	12.3%	15%	<b>Yes</b>
				Boron (B)	0.21%	0.02%	No
				Copper (Cu)	0.093%	0.07%	No
				Iron (Fe)	0.21%	0.15%	No
				Manganese (Mn)	0.066%	0.05%	No
				Molybdenum (Mo)	0.00088%	0.0005%	No
				Zinc (Zn)	0.081%	0.06%	No
<b>Technaflora Plant Products, Ltd.</b> Mission, British Columbia	1-1-1 Root 66	<b>Unregistered</b>	<b>Yes</b>	Total Nitrogen (N)	0.79%	1%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	0.86%	1%	No
				Soluble Potash (K <sub>2</sub> O)	1.4%	1%	No
				Boron (B)	0.06%	0.05%	No
				Iron (Fe)	0.002%	0.05%	<b>Yes</b>

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Company	Product	Registration Status at Sampling	Mislabeled?	Element	Lab Analysis	Label Guarantee	Deficient?
TechPac, LLC Lexington, KY	GardenTech	Registered	No	Sulfur (S)	2.4%	2%	No
	Root Boost			Manganese (Mn)	2.2%	2%	No
	Rooting Powder			Zinc (Zn)	2.1%	2%	No
Transloc Technologies Pty Ltd. Royal Park, South Australia	Dutch Master Gold Range Nutrient 1-8-5 Flower B Two Part Nutrient	Registered	No	Total Nitrogen (N)	0.59%	1%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	7.5%	8%	No
				Soluble Potash (K <sub>2</sub> O)	5.4%	5%	No
				Magnesium (Mg)	0.57%	0.6%	No
				Sulfur (S)	1.4%	1%	No
				Boron (B)	0.0064%	0.008%	No
				Molybdenum (Mo)	0.0066%	0.001%	No
	Dutch Master Gold Range Nutrient 4-0-4 Flower A Two Part Nutrient	Registered	No	Total Nitrogen (N)	4.6%	4%	No
				Soluble Potash (K <sub>2</sub> O)	4.9%	4%	No
				Calcium (Ca)	3.8%	1.5%	No
				Magnesium (Mg)	0.82%	0.5%	No
				Copper (Cu)	0.0026%	0.001%	No
				Chelated Copper (Cu)	0.0029%	0.001%	No
				Iron (Fe)	0.025%	0.03%	No
				Chelated Iron (Fe)	0.027%	0.03%	No
Dutch Master Gold Range Reverse 0-0.018-0.02 Flower Spray	Registered	Yes	Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	0.035%	0.018%	No	
			Soluble Potash (K <sub>2</sub> O)	0.022%	0.02%	No	
U. S. Borax, Inc. Englewood, Colorado	20 Mule Team Granubor 2 14.3% B	Registered	No	Boron (B)	15.5%	14.3%	No

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US Rare Earth Minerals, Inc. Bend, Oregon	0-0-1.16 Excelerite Re-mineralizer & Micro-Organism Multiplier Panaca Source			Soluble Potash (K <sub>2</sub> O)	0.1%	1.16%	Yes
				Calcium (Ca)	1.5%	1.95%	Yes
				Magnesium (Mg)	0.56%	0.8%	No
				Chlorine (Cl)	0.05%	0.77%	Yes
				Cobalt (Co)	0.00025%	0.0005%	No
				Iron (Fe)	0.75%	1.2%	Yes
				Sodium (Na)	0.034%	0.55%	Yes
Voluntary Purchasing Groups Bonham, Texas	ferti-lome 5-1-1 Fish Emulsion Fertilizer	Registered	No	Total Nitrogen (N)	6.17%	5%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	1.6%	1%	No
				Soluble Potash (K <sub>2</sub> O)	1.1%	1%	No
W. Atlee Burpee Company Warminster, Pennsylvania	Burpee Eco-Friendly 0.06-0.03-0.03 Organic Seed Starting Mix	Unregistered	Yes	Total Nitrogen (N)	0.12%	0.06%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	0.02%	0.03%	No
				Soluble Potash (K <sub>2</sub> O)	0.23%	0.03%	No
Wilbur-Ellis Company Yakima, Washington	0-0-21.5 with 21% Sulfur and 10.5% Magnesium	Registered	No	Soluble Potash (K <sub>2</sub> O)	22.2%	21.5%	No
				Magnesium (Mg)	12.4%	10.5%	No
				Sulfur (S)	22%	21%	No
				Chlorine (Cl)(Max)	1.9%	2.5%	No
	11-52-0 Mono-Ammonium Phosphate	Registered	No	Total Nitrogen (N)	11%	11%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	53%	52%	No
	12-40-0	Unregistered	No	Total Nitrogen (N)	12%	12%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	40%	40%	No
				Sulfur (S)	10%	10%	No
				Zinc (Zn)	1.1%	1%	No
	39-0-0	Unregistered	No	Total Nitrogen (N)	39%	39%	No
				Sulfur (S)	14%	12%	No
	14.3% B	Unregistered	No	Boron (B)	16.2%	14.3%	No

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Company	Product	Registration Status at Sampling	Mislabeled?	Element	Lab Analysis	Label Guarantee	Deficient?
Wilbur-Ellis Company Yakima, Washington	Wil-Gro 14-18-12 Pro Perennial Plus with Duration 45 and Nitroform	Unregistered	No	Total Nitrogen (N)	14%	14%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	19%	18%	No
				Soluble Potash (K <sub>2</sub> O)	14%	12%	No
				Magnesium (Mg)	1.9%	1.3%	No
				Sulfur (S)	6.3%	5.6%	No
				Boron (B)	0.065%	0.08%	No
				Copper (Cu)	0.067%	0.08%	No
				Iron (Fe)	1.7%	1.6%	No
				Manganese (Mn)	0.17%	0.19%	No
				Molybdenum (Mo)	0.0063%	0.0032%	No
	Zinc (Zn)	0.39%	0.18%	No			
	Wil-Gro 22-2-22 Pro One-2-One with 7% Sulfur - 70% SCU	Registered	Yes	Total Nitrogen (N)	24.4%	22%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	2%	2%	No
Soluble Potash (K <sub>2</sub> O)				22%	22%	No	
Sulfur (S)				3.65%	7%	Yes	
Iron (Fe)				0.62%	0.45%	No	
Manganese (Mn)				0.151%	0.18%	Yes	
Zinc (Zn)				0.23%	0.17%	No	
Wil-Gro 25-3-10 Five Iron	Registered	No	Total Nitrogen (N)	27.7%	25%	No	
			Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	2.7%	3%	No	
			Soluble Potash (K <sub>2</sub> O)	11%	10%	No	
			Sulfur (S)	5.9%	5%	No	
			Iron (Fe)	2.88%	5%	Yes	
Foli-Gro Zinc 7%	Registered	No	Zinc (Zn)	7.6%	7%	No	
Woodstream Corporation Lititz, Pennsylvania	Safer 0.5-1-1 Magic Start Grass Patch	Registered	No	Total Nitrogen (N)	2.4%	0.5%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	0.48%	1%	No
				Soluble Potash (K <sub>2</sub> O)	2.1%	1%	No
Safer 1-2-1 Oxygen Plus Liquid Plant Food	Registered	No	Total Nitrogen (N)	1.09%	1%	No	
			Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	2.1%	2%	No	
			Soluble Potash (K <sub>2</sub> O)	1.1%	1%	No	

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<b>X-Seed</b> Clear Lake, Minnesota	0.48-0.48-0.48 Complete Lawn Fix Expanding Growing Mixture	<b>Unregistered</b>	<b>Yes</b>	Total Nitrogen (N)	1.6%	0.48%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	0.56%	0.48%	No
				Soluble Potash (K <sub>2</sub> O)	0.56%	0.56%	No
	1-1-1 Ultra Premium X-Pand Instant Garden Soil with Starter Nutrients	<b>Unregistered</b>	<b>Yes</b>	Total Nitrogen (N)	1.5%	1%	No
				Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	1.1%	1%	No
				Soluble Potash (K <sub>2</sub> O)	1.4%	1%	No
<b>Zinc Nacional, S. A.</b> Fresno, California	Maximo 362 Zinc Sulfate - Granular	Registered	No	Sulfur (S)	18.7%	17.5%	No
				Zinc (Zn)	38%	35.5%	No