Oregon Department of Agriculture

Fertilizer Program

Laboratory Analysis Results

January 1 - December 31, 2009

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.

Company	Product	Element	Lab Analysis	Label Guarantee	Violation?
Advanced Nutrients	0-15-40 Big Bud	Available Phosphate (P ₂ O ₅)	16.7%	15%	No
Brandenburg, Kentucky	S .	Soluble Potash (K ₂ O)	40.4%	40%	No
, , , , , , , , , , , , , , , , , , ,		Magnesium (Mg)	0.0148%	7%	YES
		L-Alanine	0.348%	0.3%	No
		L-Arginine	0.194%	0.8%	YES
		L-Aspartic Acid	0.770%	1.2%	YES
		L-Glutamic Acid	1.23%	0.4%	No
		L-Glycine	0.146%	0.7%	YES
		L-Histidine	0.132%	0.4%	YES
		L-Isoleucine	0.475%	1.1%	YES
		L-Leucine	0.747%	0.9%	YES
		L-Lysine	0.624%	0.2%	No
		L-Phenylalanine	0.239%	0.6%	YES
		L-Proline	0.394%	0.7%	YES
		L-Serine	0.381%	0.4%	No
		L-Threonine	0.504%	0.3%	No
		L-Tyrosine	0.209%	1.3%	YES
		L-Valine	.413%	1.1%	YES

Company	Product	Element	Lab Analysis	Label Guarantee	Violation?
Agrium Advanced Technologies (U.S.), Inc. Brantford, Ontario	44.5-0-0 Resin Coated Urea Polymer Coated Urea (PCU)	Total Nitrogen (N)	45.5%	44.5%	No
Ag West Supply Rickreall, Oregon	16-20-0	Total Nitrogen (N) Available Phosphate (P ₂ O ₅)	15.7% 22%	16% 20%	No No
	0-45-0	Available Phosphate (P_2O_5) Calcium (Ca)	45% 17.8%	45% 15.5%	No No
	46-0-0	Total Nitrogen (N)	46.4%	46%	No
Al's Garden Center Woodburn, Oregon	20-9-20 Water Soluble All Purpose Fertilizer with Micro-Nutrients	Total Nitrogen (N) Available Phosphate (P ₂ O ₅) Soluble Potash (K ₂ O) Sulfur (S) Boron (B) Copper (Cu) Iron (Fe) Manganese (Mn) Molybdenum (Mo) Zinc (Zn)	19.5% 9.19% 21.4% 1.74% 0.0186% 0.0176% 0.116% 0.0368% 0.0131% 0.0208%	20% 9% 20% 1.4% 0.02% 0.02% 0.1% 0.04% 0.015% 0.02%	No No No No No No No No
	7-5-4 Transplanting Fertilizer	Total Nitrogen (N) Available Phosphate (P ₂ O ₅) Soluble Potash (K ₂ O) Calcium (Ca) Magnesium (Mg) Sulfur (S) Boron (B) Copper (Cu) Iron (Fe) Manganese (Mn) Molybdenum (Mo) Zinc (Zn)	7.08% 4.43% 4.98% 11.7% 6.07% 6.29% 0.0736% 0.731% 0.749% 0.152% 0.00217% 0.123%	7% 5% 4% 9.78% 6.12% 3.78% 0.0496% 0.05% 0.2992% 0.1248% 0.001% 0.1168%	No No No No No No No No No
	10-4-8 All Purpose Slow Release Fertilizer with Micro-Nutrients	Total Nitrogen (N) Available Phosphate (P ₂ O ₅) Soluble Potash (K ₂ O) Calcium (Ca) Magnesium (Mg) Sulfur (S) Boron (B) Copper (Cu) Iron (Fe) Manganese (Mn) Zinc (Zn)	8.1% 4.35% 9.53% 10.3% 4.32% 7.55% 0.167% 0.148% 2.86% 0.634% 0.431%	10% 4% 8% 9% 3.6% 5.56% 0.1426% 0.1426% 2% 0.3588% 0.335%	YES NO
Annie's Plant Food Birkenfeld, Oregon	6-7-8 Annie's Plant Food	Total Nitrogen (N) Available Phosphate (P ₂ O ₅) Soluble Potash (K ₂ O) Calcium (Ca) Iron (Fe)	5.36% 5.55% 6.9% 1.12% 2.88%	6% 7% 8% 1.28% 1.33%	YES YES YES No No

Company	Product	Element	Lab Analysis	Label Guarantee	Violation?
Aqua-Aid, Inc.	Verde-Cal G Enhanced	Calcium (Ca)	22.4%	17%	No
Rocky Mount, North Carolina	Gypsum Coarse	Sulfur (S)	16.3%	14%	No
		Gypsum (CaSO ₄ • 2H ₂ O)	87.6%	70%	No
		% Passing 100 Mesh Sieve	82.6%	50%	No
		% Passing 40 Mesh Sieve	89.7%	75%	No
		% Passing 20 Mesh Sieve	91.3%	90%	No
		% Passing 10 Mesh Sieve	97%	97%	No
	Verde-Cal Coarse	Calcium (Ca)	38.6%	38%	No
	Enhanced Calcitic Limestone	Calcium Carbonate (CaCO ₃) Calcium Carbonate	94.9%	95%	No
		Equivalent (CCE)	94.9%	95%	No
		% Passing 100 Mesh Sieve	90.8%	95%	No
		% Passing 40 Mesh Sieve	96.9%	100%	No
		% Passing 20 Mesh Sieve	97.4%	100%	No
		% Passing 10 Mesh Sieve	99.5%	100%	No
		Lime Score	91.5	80	No
		Moisture (Maximum)	1.44%	< 15%	No
Aurora Innovations, Inc.	0-5-4 HKP Roots	Available Phosphate (P ₂ O ₅)	6.83%	5%	No
Eugene, Oregon	Organics by Aurora Innovations	Soluble Potash (K ₂ O)	3.59%	4%	No
Basin Fertilizer & Chemical Co.	11-52-0	Total Nitrogen (N)	10.6%	11%	No
Merrill, Oregon		Available Phosphate (P ₂ O ₅)	52%	52%	No
	16-20-0	Total Nitrogen (N)	15.35%	16%	No
		Available Phosphate (P ₂ O ₅)	22.5%	20%	No
		Sulfur (S)	14.3%	13%	No
	20-0-0-24(S)	Total Nitrogen (N)	20.8%	20%	No
		Sulfur (S)	26.5%	24%	No
	Tiger 90 Sulfur	Sulfur (S)	89.9%	90%	No
Bonide Products, Inc.	Liquid Iron +	Magnesium (Mg)	0.115%	0.5%	YES
Oriskany, New York	Micronutrients	Boron (B)	0.0247%	0.02%	No
Oliskally, New York	Microriations	Copper (Cu)	0.242%	0.25%	No
		Iron (Fe)	5.21%	5%	No
				0.25%	No
		Manganese (Mn)	0.334%		
		Zinc (Zn)	0.736%	0.5%	No
Botanicare Chandler, Arizona	Calplex Organic Based Calcium Supplement	Calcium (Ca)	3%	3%	No
	Huvega Plant Supplement Natural Magnesium Formula	Magnesium (Mg)	1.1%	1%	No
	Humega Plant Supplement Natural and Organic Soil Conditioner	Humic Acid	3.8%	4%	No

Company	Product	Element	Lab Analysis	Label Guarantee	Violation?
Botanicare Chandler, Arizona	6-0-0 Nitrex Organic Based Nitrogen Supplement	Total Nitrogen (N)	5.8%	6%	No
Canadian Agri Products (USA) Corp. Plano, Texas	FS/ 30 Ferrous Sulphate (Monohydrate)	Sulfur (S) Iron (Fe)	18.5% 31.7%	18% 30%	No No
Dyna-Gro Richmond, California	7-8-6 Liquid Orchid-Pro Plant Food	Total Nitrogen (N) Available Phosphate (P ₂ O ₅) Soluble Potash (K ₂ O) Calcium (Ca) Magnesium (Mg) Boron (B) Chlorine (Cl) Copper (Cu) Iron (Fe) Manganese (Mn) Molybdenum (Mo) Sodium (Na) Zinc (Zn)	7.11% 8.62% 5.96% 2.13% 0.643% 0.0246% 0.0575% 0.117% 0.0446% 0.00088% 0.231% 0.0555%	7% 8% 6% 2% 0.5% 0.02% 0.1% 0.05% 0.05% 0.05%	No N
	7-9-5 Liquid Grow Plant Food	Total Nitrogen (N) Available Phosphate (P ₂ O ₅) Soluble Potash (K ₂ O) Calcium (Ca) Magnesium (Mg) Boron (B) Chlorine (Cl) Copper (Cu) Iron (Fe) Manganese (Mn) Molybdenum (Mo) Sodium (Na) Zinc (Zn)	7.3% 9.46% 5.1% 1.96% 0.782% 0.0243% 0.202% 0.0502% 0.117% 0.0444% 0.00095% 0.174% 0.0521%	7% 9% 5% 2% 0.5% 0.02% 0.1% 0.05% 0.1009% 0.1009% 0.10009%	No No No No No No No No No
E. B. Stone & Son, Inc. Suisun, California	0-0-20 Sul Po Mag 5-5-5 E. B. Stone	Soluble Potash (K ₂ O) Magnesium (Mg) Sulfur (S) Total Nitrogen (N)	21.7% 11.5% 23.7% 4.93%	20% 10% 21% 5%	No No No
	Organics All-Purpose Plant Food	Available Phosphate (P ₂ O ₅) Soluble Potash (K ₂ O) Calcium (Ca) Sulfur (S) Humic Acid	4.33% 5.55% 17.1% 3.4% 8.31%	5% 5% 7% 1% 1.3%	No No No No
Espoma Company Millville, New Jersey	3-4-6 Tomato-Tone	Total Nitrogen (N) Available Phosphate (P ₂ O ₅) Soluble Potash (K ₂ O) Calcium (Ca) Magnesium (Mg) Sulfur (S)	2.52% 3.88% 6.38% 8.91% 1.28% 4.2%	3% 3% 6% 5% 1% 3%	No No No No No

Company	Product	Element	Lab Analysis	Label Guarantee	Violation?
Farmer John's Organic Fertilizer La Grande, Oregon	0.10-0-0.02 Batwana Bloomer "Handpicked"	Total Nitrogen (N) Soluble Potash (K ₂ O)	0.191% 0.49%	0.1% 0.02%	No No
Frit Industries Ozark, Alabama	F-503 G-OR	Boron (B) Copper (Cu) Iron (Fe) Manganese (Mn) Molybdenum (Mo) Zinc (Zn)	1.28% 2.18% 21.8% 2.9% 0.0257% 6%	2.4% 2.4% 14.4% 6% 0.06% 5.6%	YES NO NO YES YES NO
	F-603 G OR	Boron (B) Copper (Cu) Iron (Fe) Manganese (Mn) Molybdenum (Mo) Zinc (Zn)	0.973% 3.32% 6% 2.43% 0.0479% 3%	1.3% 2.7% 5.3% 2.7% 0.03% 9.16%	YES No No No No No
Grange Cooperative Supply Central Point, Oregon	9-3-6-18(S) Green-Up	Total Nitrogen (N) Available Phosphate (P ₂ O ₅) Soluble Potash (K ₂ O) Sulfur (S) Iron (Fe)	8.98% 3.41% 8.62% 20.8% 10.5%	9% 3% 6% 18% 10%	No No No No
	15-5-10-14 with Trace Elements	Total Nitrogen (N) Available Phosphate (P ₂ O ₅) Soluble Potash (K ₂ O) Sulfur (S) Boron (B) Copper (Cu) Iron (Fe) Manganese (Mn) Zinc (Zn)	16.6% 4.74% 10.9% 19.2% 0.0497% 0.09% 1.04% 0.157% 0.16%	15% 5% 10% 14% 0.04% 0.1% 0.2% 0.12% 0.1%	No No No No No No No
	17-15-14-8 Floral Gold 50% Slow Release Plant Food	Total Nitrogen (N) Available Phosphate (P ₂ O ₅) Soluble Potash (K ₂ O) Magnesium (Mg) Sulfur (S) Boron (B) Copper (Cu) Iron (Fe) Manganese (Mn) Molybdenum (Mo) Zinc (Zn)	13.5% 14.7% 19.7% 1.26% 12.5% 0.737% 0.0606% 1.05% 0.246% 0.001% 0.184%	17% 15% 14% 0.6% 8% 0.06% 0.685% 0.4% 0.16% 0.002% 0.14%	YES NO NO NO NO NO YES NO NO YES NO
Hydro-Organics Wholesale Chico, California	Earth Juice Microblast Liquid Micronutrients	Magnesium (Mg) Boron (B) Cobalt (Co) Iron (Fe) Manganese (Mn) Molybdenum (Mo) Zinc (Zn)	0.507% 0.0213% 0.00061% 0.128% 0.0447% 0.00074% 0.004%	0.5% 0.02% 0.0005% 0.1% 0.05% .0005% 0.05%	No No No No No No

Company	Product	Element	Lab Analysis	Label Guarantee	Violation?
Ironite Products Company Salem, Virginia	7-6-6 Ironite Plus Liquid Plant & Flower Food	Total Nitrogen (N) Available Phosphate (P ₂ O ₅) Soluble Potash (K ₂ O) Sulfur (S) Boron (B) Iron (Fe)	7.09% 6.29% 6.38% 1.11% 0.0214% 0.256%	7% 6% 6% 0.9% 0.02% 0.1%	No No No No No
J. R. Simplot Company Lathrop, California	4.5-0-0 N-Boron	Total Nitrogen (N) Boron (B)	6.9% 5.8%	4.5% 5.4%	No No
	11-52-0 Monoammonium Phosphate / Rock Springs	Total Nitrogen (N) Available Phosphate (P ₂ O ₅) Sulfur (S)	11% 51.5% 2.16%	11% 52% 1.8%	No No No
Lilly Miller Brands Salem, Virginia	5-1-1 Alaska Fish Fertilizer	Total Nitrogen (N) Available Phosphate (P ₂ O ₅) Soluble Potash (K ₂ O)	4.49% 1.23% 0.34%	5% 1% 1%	No No YES
Liquinox Company Orange, California	5-1-1 Fish Emulsion All-Purpose Fish Fertilizer	Total Nitrogen (N) Available Phosphate (P ₂ O ₅) Soluble Potash (K ₂ O)	4.79% 0.852% 0.23%	5% 1% 1%	No No YES
Loveland Products, Inc. Greeley, Colorado	Signature StarLine 10% Calcium	Calcium (Ca)	10.8%	10%	No
Martrex, Inc. Minnetonka, Minnesota	Zinc Sulfate Monohydrate Powder	Sulfur (S) Zinc (Zn)	17.5% 38.9%	17% 35%	No No
Monterey AgResources Fresno, California	Coarse Granular Ferrous Sulfate Monohydrate	Sulfur (S) Iron (Fe)	19.9% 33%	18.3% 30%	No No
	Hi-Lo Granular Zinc Sulfate 35.5%	Sulfur (S) Zinc (Zn)	17.9% 37.5%	17.5% 35.5%	No No
Monty's Plant Food Co. Louisville, Kentucky	8-16-8 Monty's Joy Juice Growth Formula Liquid Plant Food	Total Nitrogen (N) Available Phosphate (P ₂ O ₅) Soluble Potash (K ₂ O)	7.83% 17% 9.17%	8% 16% 8%	No No No
North Pacific Clackamas, Oregon	9-3-7 PAR 4 Granulated Natural Fertilizer	Total Nitrogen (N) Available Phosphate (P ₂ O ₅) Soluble Potash (K ₂ O)	8.69% 3.5% 8.06%	9% 3% 7%	No No No
Northwest Agricultural Products Pasco, Washington	Zinc-Chelate 10%	Zinc (Zn)	10.7%	10%	No

Company	Product	Element	Lab Analysis	Label Guarantee	Violation?
Northwest Agricultural Products Pasco, Washington	Agro-Lig 1 Native Crude Humic Acids	Calcium (Ca) Magnesium (Mg)	2.11% 0.765%	3% 1.5%	YES YES
		Sulfur (S)	1.65%	1%	No
		Boron (B)	0.0499%	0.03%	No
		Copper (Cu)	0.0131%	0.01%	No
		Iron (Fe)	0.845%	0.8%	No
		Manganese (Mn)	0.0143%	1%	YES
		Zinc (Zn) Humic Acid	0.00112% 70.1%	0.05% 86%	YES YES
Northwest Nursery Buyers	Northwest Best 15-5-25	Total Nitrogen (N)	15.4%	15%	No
Association	Fall & Winter Lawn Food	Available Phosphate (P ₂ O ₅)	6.97%	5%	No
Rhododendron, Oregon		Soluble Potash (K2O)	26.6%	25%	No
		Sulfur (S)	3.6%	1.7%	No
		Boron (B)	0.041%	0.048%	No
		Copper (Cu)	0.04%	0.05%	No
		Iron (Fe)	2.51%	2%	No
		Manganese (Mn)	0.149%	0.12%	No
		Molybdenum (Mo)	0.00126%	0.001%	No
		Zinc (Zn)	0.114%	0.112%	No
Ostara Nutrients USA, Inc.	5-27-0 + 10% Mg Crystal	Total Nitrogen (N)	4.79%	5%	No
Vancouver, British Columbia	Green Slow Release	Total Phosphorus (P)	13.2%	28%	YES
vancouver, British Columbia	Fertilizer	Available Phosphate (P ₂ O ₅)	29%	27%	No
	i erunzer	Magnesium (Mg)	10.6%	10%	No
Prince Minerals Quincy, Illinois	Granusol Iron	Iron (Fe)	55.1%	50%	No
QC Corporation Baltimore, Maryland	Diamond Ferrous Sulfate Heptahydrate Other Than USP Grade (With Anti-Caking)	Iron (Fe)	22.6%	20%	No
Round Butte Seed Growers, Inc.	Super Grow Lower	Total Nitrogen (N)	21%	21%	No
Culver, Oregon	Valley Turf	Available Phosphate (P ₂ O ₅)	9.57%	7%	No
carren, cregen	21-7-14-4(S) 1.5% (Fe)	Soluble Potash (K ₂ O)	14.6%	14%	No
	80% Slow Release N	Sulfur (S)	5.87%	4%	No
	oo /o ciew redicace iv	Iron (Fe)	2.43%	1.5%	No
Simplot Grower Solutions	0-0-62	Soluble Potash (K ₂ O)	61.9%	62%	No
Halsey, Oregon		· · · · · · · · · · · · · · · · · · ·			-
	11-52-0	Total Nitrogen (N)	10.8%	11%	No
		Available Phosphate (P ₂ O ₅) Sulfur (S)	52.3% 1.57%	52% 2%	No YES
				2,0	
	16-20-0	Total Nitrogen (N)	15.8%	16%	No
		Available Phosphate (P ₂ O ₅)	21.3%	20%	No
		Sulfur (S)	14.6%	13%	No

Company	Product	Element	Lab Analysis	Label Guarantee	Violation?
Simplot Grower Solutions	20-0-0-24(S)	Total Nitrogen (N)	19.9%	20%	No
Halsey, Oregon		Sulfur (S) Zinc (Zn)	24% 1.16%	24% 0.9%	No No
Spectrum Group Division	24-8-16 Peters	Total Nitrogen (N)	25%	24%	No
of United Industries	Professional All Purpose	Available Phosphate (P ₂ O ₅)	8.53%	8%	No
St. Louis, Missouri	Plant Food Water Soluble		18.1%	16%	No
	with Micronutrients	Boron (B)	0.0249%	0.02%	No
		Copper (Cu)	0.0735%	0.07%	No
		Iron (Fe)	0.165%	0.15%	No
		Manganese (Mn)	0.04%	0.05%	No
		Molybdenum (Mo)	0.00063%	0.0005%	No
		Zinc (Zn)	0.0925%	0.06%	No
SQM North America	16-0-0 Champion Sodium	Total Nitrogen (N)	15.4%	16%	No
Atlanta, Georgia	Nitrate Prilled	Chlorine (CI) (Max)	0.2%	1%	No
	16-0-0 Allganic Natural Nitrate of Soda Prilled	Total Nitrogen (N)	15.4%	16%	No
Terra Nitrogen Corporation Sioux City, lowa	32-0-0 Terra Nitrogen Solution	Total Nitrogen (N)	31.12%	32%	No
Tiger-Sul Products (Canada) Company Calgary, Alberta	Tiger Micronutrients Sulphur 55% + Iron 22%	Sulfur (S) Iron (Fe)	57.6% 21.5%	55% 22%	No No
Tiger-Sul Products LLC Atmore, Alabama	Tiger 90CR Sulphur Agricultural Sulphur	Sulfur (S)	90.4%	90%	No
Two Rivers Terminal, LLC	Zinc Sulfate - Granular	Sulfur (S)	17%	17%	No
Pasco, Washington		Zinc (Zn)	39.7%	35%	No
Valudor Products, Inc.	Manganese Sulfate	Sulfur (S)	20.5%	18%	No
Rancho Santa Fe, California	Monohydrate	Manganese (Mn)	35.6%	31.5%	No
Vogel Seed & Fertilizer	Spring Valley 24-0-6	Total Nitrogen (N)	23.4%	24%	No
Jackson, Wisconsin	, ,	Soluble Potash (K ₂ O)	6.34%	6%	No
addiction, whose non-		Sulfur (S)	1.91%	1.45%	No
Voluntary Purchasing	9-13-7 ferti-lome New	Total Nitrogen (N)	8.75%	9%	No
Groups, Inc.	Lawn Starter	Available Phosphate (P ₂ O ₅)	11.9%	13%	YES
Bonham, Texas	Lawn Glario	Soluble Potash (K ₂ O)	7.53%	7%	No
Domain, 167as		Boron (B)	0.0177%	0.02%	No
			0.0177%	0.02%	YES
		Copper (Cu)			
		Iron (Fe)	2%	0.1%	No
		Manganese (Mn)	0.42%	0.05%	No
		Zinc (Zn)	0.0285%	0.05%	YES

Company	Product	Element	Lab Analysis	Label Guarantee	Violation?
Voluntary Purchasing	19-6-12 ferti-lome	Total Nitrogen (N)	17.5%	19%	YES
Groups, Inc.	Start-N-Grow Premium	Available Phosphate (P ₂ O ₅)	7.78%	6%	No
Bonham, Texas	Plant Food	Soluble Potash (K ₂ O)	13.7%	12%	No
		Boron (B)	0.03%	0.02%	No
		Copper (Cu)	0.0504%	0.05%	No
		Iron (Fe)	1.42%	0.25%	No
		Manganese (Mn)	0.0688%	0.05%	No
		Zinc (Zn)	0.0543%	0.05%	No
	Natural Guard Lawn & Garden Soil Activator	Humic Acid	44.2%	70%	YES
Wilco-Winfield I I C	35-0-15	Total Nitrogen (N)	34.2%	35%	No
Wilco-Winfield LLC Mt. Angel, Oregon	30-0-10	Soluble Potash (K ₂ O)	14.6%	15%	No
	11 50 0	Total Nitrogon (NI)	11 50/	110/	No
	11-52-0	Total Nitrogen (N)	11.5%	11%	No
		Available Phosphate (P ₂ O ₅)	52.1%	52%	No
	40-0-0-6	Total Nitrogen (N)	39.6%	40%	No
		Sulfur (S)	5.98%	6%	No
	20-0-0 Ammonium	Total Nitrogen (N)	20.1%	20%	No
	Sulfate	Sulfur (S)	24.7%	24%	No
Woodburn Fertilizer	0-0-50 Sulfate of Potash	Soluble Potash (K ₂ O)	50.5%	50%	No
Woodburn, Oregon		Sulfur (S)	20%	17%	No
	0-0-60 Muriate of Potash	Soluble Potash (K ₂ O)	60.5%	60%	No
	11-52-0 Monoammonium	Total Nitrogen (N)	10.8%	11%	No
	Phosphate	Available Phosphate (P ₂ O ₅)	51.5%	52%	No
		Sulfur (S)	2.09%	1.8%	No
	18-46-0 Diammonium	Total Nitrogen (N)	17.5%	18%	No
	Phosphate	Available Phosphate (P ₂ O ₅)	45.6%	46%	No
	•	Sulfur (S)	2.34%	2%	No
	27-0-0 Calcium	Total Nitrogen (N)	26.8%	27%	No
	Ammonium Nitrate	Calcium (Ca)	4.68%	4%	No
		Magnesium (Mg)	3.11%	1%	No
	Gran-U-Bor Sodium Borate Granular	Boron (B)	15.2%	14.3%	No
	Pelletized Dolomite	Calcium (Ca)	26.4%	21%	No
		Magnesium (Mg)	16.3%	13%	No
		Calcium Carbonate (CaCO ₃)	52.8%	50%	No
		Calcium Carbonate Equivalent (CCE)	88.1%	102%	YES
		Magnesium Carbonate (MgCO ₃)	36%	40%	No
		% Passing 100 Mesh Sieve	88%	70%	No
		% Passing 40 Mesh Sieve	98.6%	80%	No
		% Passing 20 Mesh Sieve	99.8%	98%	No
		% Passing 10 Mesh Sieve	100%	99%	No
		Lime Score	89	91	No
		Moisture (Maximum)	0.16%	< 2%	No

Company	Product	Element	Lab Analysis	Label Guarantee	Violation?
Woodburn Fertilizer	Pelletized Lime	Calcium Carbonate (CaCO ₃)	84.8%	86%	No
Woodburn, Oregon		Calcium Carbonate ` Equivalent (CCE)	90.5%	86%	No
		Magnesium Carbonate (MgCO ₃)	1.26%	1.4%	No
		% Passing 100 Mesh Sieve	91.9%	89%	No
		% Passing 40 Mesh Sieve	99.3%	99%	No
		% Passing 20 Mesh Sieve	99.8%	100%	No
		% Passing 10 Mesh Sieve	100%	100%	No
		Lime Score	89.89	90	No
		Moisture (Maximum)	0.33%	< 2%	No
	4.9-3.3-2.8 100%	Total Nitrogen (N)	3.89%	4.9%	YES
	Natural Organic DPW	Available Phosphate (P ₂ O ₅)	4.85%	3.3%	No
	<u> </u>	Soluble Potash (K2O)	2.75%	2.8%	No
		Calcium (Ca)	18.8%	8.7%	No
		Magnesiùm (Mg)	0.866%	0.5%	No
		Iron(Fe)	0.09%	0.1%	No