

Oregon Department of Agriculture

Fertilizer Program

Laboratory Analysis Results

January 1 – June 30, 2007

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?
American Agritech Chandler, Arizona	0.5-0.5-1.0 Original Pure Blend Metabolic Bloom Formula	Total Nitrogen (N)	1.4%	0.5%	No
		Available Phosphate (P ₂ O ₅)	1.1%	0.5%	No
		Soluble Potash (K ₂ O)	1%	1%	No
		Humic Acid	11%	7%	No
	2-0-0 Cal-Mag Plus	Total Nitrogen (N)	1.8%	2%	No
		Calcium (Ca)	3%	3.2%	No
		Magnesium (Mg)	1.5%	1.2%	No
		Iron (Fe)	0.091%	0.1%	No
Bay Zinc Company, Inc. Moxee, Washington	Blu-Min 33% Zinc-Granular with Sulphur	Sulfur (S)	18.8%	18%	No
		Zinc (Zn)	35%	33%	No
Bella Via, LLC Healdsburg, California	16-0-0 Metanaturals Organic Nitrogen	Total Nitrogen (N)	14.01%	16%	Yes
		Ammoniacal Nitrogen	1.2%	3.5%	Yes
		Urea Nitrogen	12.81%	0%	Yes
	16-0-0 Metanaturals Organic Nitrogen	Total Nitrogen (N)	16.2%	16%	No
		Ammoniacal Nitrogen	1.6%	3.5%	Yes
		Urea Nitrogen	14.6%	0%	Yes

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Company	Product	Element	Lab Analysis	Label Guarantee	Violation?
Bella Via, LLC Healdsburg, California	3-3-3 Metanaturals Professional Organic Plant Nutrient	Total Nitrogen (N)	3.5%	3%	No
		Available Phosphate (P ₂ O ₅)	3.9%	3%	No
		Soluble Potash (K ₂ O)	3.4%	3%	No
		Magnesium (Mg)	0.71%	1.2%	No
		Copper (Cu)	0.052%	0.05%	No
		Iron (Fe)	0.22%	0.1%	No
		Manganese (Mn)	0.11%	0.05%	No
		Molybdenum (Mo)	0.0073%	0.0005%	No
	Zinc (Zn)	0.11%	0.1%	No	
		Metanaturals Organic Calcium	Calcium (Ca)	5.8%	6%
	1-5-5 Metanaturals Professional Organic Bloom Formula	Total Nitrogen (N)	1.2%	1%	No
		Available Phosphate (P₂O₅)	4.3%	5%	Yes
		Soluble Potash (K₂O)	3.1%	5%	Yes
		Magnesium (Mg)	0.76%	0.5%	No
Green Air Products Gresham, Oregon	0-0-4.5 Bio-Genesis High Tide Organic Seaweed	Soluble Potash (K ₂ O)	4.7%	4.5%	No
		Humic Acid	6.4%	6%	No
Hydro-Organics Wholesale/OGM Chico, California	10-3-1 Ancient Organics Primal Grow	Total Nitrogen (N)	7.92%	10%	Yes
		Available Phosphate (P ₂ O ₅)	13.5%	3%	No
		Soluble Potash (K ₂ O)	0.8%	1%	No
Loveland Products, Inc. Greeley, Colorado	16-0-2 Nortrace Awaken	Total Nitrogen (N)	15.4%	16%	No
		Soluble Potash (K ₂ O)	2%	2%	No
		Boron (B)	0.017%	0.02%	No
		Chlorine (Cl) Maximum	0.17%	0.01%	Yes
		Copper (Cu)	0.14%	0.15%	No
		Iron (Fe)	0.16%	0.15%	No
		Manganese (Mn)	0.14%	0.15%	No
		Molybdenum (Mo)	0.0008%	0.0006%	No
Zinc (Zn)	3.4%	2.7%	No		
Martrex, Inc. Minnetonka, Minnesota	Zinc Sulfate Monohydrate Granular	Sulfur (S)	17.4%	17%	No
		Zinc (Zn)	36.9%	35.5%	No
	Manganese Sulfate Monohydrate Granular	Sulfur (S)	19.6%	17%	No
		Manganese (Mn)	32.9%	31.8%	No
	Copper Sulfate	Sulfur (S)	12.5%	13.1%	No
		Copper (Cu)	24.9%	25%	No
Novozymes Biologicals, Inc. Salem, Virginia	0-0-14 Roots KCS Concentrate	Soluble Potash (K ₂ O)	16.4%	14%	No
		Calcium (Ca)	1.22%	1%	No
		Sulfur (S)	2.01%	5%	Yes
		Iron (Fe)	0.2%	0.1%	No
		Manganese (Mn)	0.057%	0.05%	No
	Zinc (Zn)	0.068%	0.05%	No	

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Company	Product	Element	Lab Analysis	Label Guarantee	Violation?
Pendleton Grain Growers Hermiston, Oregon	33.37-0-11.21 *	Total Nitrogen (N)	30.28%	33.37%	Yes
		Soluble Potash (K ₂ O)	12.4%	11.21%	No
		Sulfur (S)	5.81%	3.74%	No
		Boron (B)	0.206%	0.133%	No
The Horticulturist Choice Wholesale Garden Supply Portland, Oregon	Plant Growth Stimulant	Humic Acid	5.9%	5%	No
		2.5-12-2 Complete for Potting Soil	Total Nitrogen (N)	2.8%	2.5%
		Available Phosphate (P₂O₅)	11%	12%	Yes
		Soluble Potash (K₂O)	0%	2%	Yes
		Calcium (Ca)	19%	16%	No
		Magnesium (Mg)	1.3%	1%	No
		Sulfur (S)	1.25%	1%	No
		Iron (Fe)	0.15%	0.1%	No
	Granular Lime	Calcium (Ca)	39%	36%	No
		Calcium Carbonate (CaCO₃)	90.0%	None	Yes
		Magnesium Carbonate (MgCO ₃)	0.87%	0.5%	No
		Calcium Carbonate Equivalent (CCE)	90.9%	91%	No
		% Passing 100 Mesh Sieve	65.8%	None	Yes
		% Passing 40 Mesh Sieve	99.4%	99%	No
% Passing 20 Mesh Sieve		99.9%	100%	No	
% Passing 10 Mesh Sieve		100%	100%	No	
Wilbur-Ellis Company Yakima, Washington	3-15-0 Lighthouse Bonemeal Fertilizer	Total Nitrogen (N)	4.5%	3%	No
		Available Phosphate (P ₂ O ₅)	15.2%	15%	No