

# 2004 Annual Report



**Oregon Department of Agriculture  
Fertilizer Program  
Salem, Oregon**

**2004 Annual Report**  
**Oregon Department of Agriculture**  
**Fertilizer Program**  
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**For product registration status, current stop sales, and all things fertilizer, agricultural mineral, agricultural amendment, and lime in Oregon, go to**

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

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**Internet Statement Reminder**

As of January 1, 2004, the labels of all fertilizer, agricultural mineral, agricultural amendment, and lime products sold in Oregon were required to carry an internet address that leads to the Department's fertilizer program website. This requirement applies to all registered products sold or distributed in Oregon, packaged as well as bulk.

One of the three following statements must be included on the label for registered packaged products and on the label or bill of lading for registered bulk products:

- a. Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.htm>
- b. Information regarding the contents and levels of metals in this product is available at the Oregon Dept of Agriculture internet site: <http://oda.state.or.us/fertilizer>
- c. Information regarding the contents and levels of metals in this product is available on the internet at <http://www.regulatory-info-xx.com> . Each registrant must substitute a unique alpha numeric identifier for "xx". This statement may be used only if the registrant establishes and maintains the internet site and the internet site meets the following criteria:
  - i. There is no advertising or company-specific information on the site: and
  - ii. There is a clearly visible, direct hyperlink to the Department's internet site specified in b. above.

The Department is encouraging the use of statement **a**. The web site is hosted by the Association of American Plant Food Control Officials (AAPFCO) and is currently recognized by the Oregon Department of Agriculture, the Washington State Department of Agriculture, and the California Department of Food and Agriculture, with more states to follow.

## Stop Sale, Use, or Removal Orders

Stop Sale, Use, or Removal Orders (SSUROs) are issued by the Department for various violations of Oregon Revised Statutes (ORS) Chapter 633, the Oregon Fertilizer Control Law. Most commonly, SSUROs are issued when fertilizer, agricultural mineral, agricultural amendment, or lime products are found being distributed in Oregon and are not registered as required. SSUROs may also be issued to products that are mislabeled, or to products that are unregistrable (e.g. fulvic acid, phosphorous acid listed as a source of available phosphate, etc.).

When a SSURO is issued for a particular product, it is effective statewide. The product may not be sold, distributed, or otherwise removed or disposed of without prior written approval from the Department. If a product under SSURO is sold, distributed, or otherwise removed or disposed of without prior written approval from the Department, a civil penalty may be issued.

The products listed below have all been subjects of a SSURO during the calendar year 2004. If no end date is listed, the SSURO is still in effect as of this printing and the product in question is not legal for sale or distribution in Oregon. The most current SSURO status can be found at:

**<http://oregon.gov/oda/pest/stopsales.shtml>**

Company	Product	SSURO Reason	Start	End
<b>A.H. Hoffman, Inc.</b> Lancaster, New York	Bone Meal 4-12-0	Unregistered Product	17-Feb-04	21-Apr-04
	Seed Starter	Unregistered Product	17-Feb-04	12-Mar-04
	Perennial Flower Food 12-12-12	Unregistered Product	17-Feb-04	12-Mar-04
	All Purpose Potting Mix 0.06-0.04-0.04	Unregistered Product	17-Feb-04	12-Mar-04
	Bulb Food 3-10-6	Unregistered Product	17-Feb-04	12-Mar-04
	Dehydrated Super Manure 4-2-2	Unregistered Product	17-Feb-04	12-Mar-04
	Dried Blood 12-0-0	Unregistered Product	17-Feb-04	12-Mar-04
	Azalea & Evergreen Food 10-4-6	Unregistered Product	17-Feb-04	12-Mar-04
	Garden Fertilizer 5-10-5	Unregistered Product	17-Feb-04	12-Mar-04
	5-10-10 Tomato Food	Unregistered Product	17-Feb-04	12-Mar-04
<b>Ag Specialties, LLC</b> Tigard, Oregon	Iron Man Iron Sulfate	Unregistered Product	28-Apr-04	24-Jun-04
	TS 503G	Unregistered Product	28-Apr-04	24-Jun-04
	TS Fe - 50	Unregistered Product	28-Apr-04	24-Jun-04
	Mono Potassium Phosphate 0-51-34	Unregistered Product	28-Apr-04	24-Jun-04
<b>Agri-Growth International, Inc.</b> Edmonton, Alberta	Agri 2 Wetting Agent	Unregistered Product	8-Jul-04	
<b>American Agritech</b> Tempe, Arizona	Liquid Karma	Unregistered Product	8-Jul-04	13-Jul-04
	Silica Blast	Unregistered Product	8-Jul-04	13-Jul-04
	Sea Blast 0.1-0-1.0	Unregistered Product	21-Oct-04	
<b>American Hydroponics</b> Arcata, California	Companion Microbial Inoculant	Unregistered Product	21-Oct-04	

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<b>Company</b>	<b>Product</b>	<b>SSURO Reason</b>	<b>Start</b>	<b>End</b>
<b>American Research</b> Memphis, Tennessee	Cactus Juice 1-7-6	Unregistered Product	2-Mar-04	14-Apr-04
<b>ASG Consultants, Inc.</b> Port Moody, British Columbia	Repellex 14-2-2 ML2 Fertilizer Tablets	Unregistered Product	2-Mar-04	01-Apr-04
<b>Basic Elements Manufacturing</b> Grantsville, Utah	0-0-52 Sulfate of Potash	Unregistered Product	7-Jul-04	
<b>Becker Underwood, Inc.</b> Ames, Iowa	Royal Peat Garden Combination Inoculant	Unregistered Product	26-Feb-04	30-Mar-04
	Royal Peat Crown Vetch Inoculant	Unregistered Product	26-Feb-04	30-Mar-04
	Royal Peat Birdsfoot Trefoil Inoculant	Unregistered Product	26-Feb-04	30-Mar-04
	Royal Peat Alfalfa-Clover Inoculant	Unregistered Product	26-Feb-04	30-Mar-04
	Royal Peat Cowpea Peanut and Lespedeza Inoculant	Unregistered Product	26-Feb-04	30-Mar-04
	Rhizo Stick for Peas, Lentils and Faba Beans	Unregistered Product	26-Feb-04	30-Mar-04
	Kalo, Inc. Nature's Aid Garden Combination Inoculant	Unregistered Product	26-Feb-04	30-Mar-04
<b>Biagro Western Sales</b> Visalia, California	Nutri-Phite P + K 0-28-26 Foliar Nutrient	Unregisterable Product	8-Jul-04	
<b>Bonide Products, Inc.</b> Oriskany, New York	Systemic Rose & Flower Care 8-12-4	Unregistered Product	17-Feb-04	11-May-05
	Iron Sulfate	Unregistered Product	17-Feb-04	11-May-05
	Blood Meal 12-0-0	Unregistered Product	20-May-04	
<b>Cleary Chemical Corporation</b> Dayton, New Jersey	Sulfur F	Unregistered Product	11-Jun-04	
<b>Climax Molybdenum</b> Phoenix, Arizona	Sodium Molybdate Crystalline	Unregistered Product	12-Aug-04	
<b>Custom Ag Formulators</b> Fresno, California	Neptune	Unregistered Product	12-Apr-04	20-May-04
	Voyager 0-0-27	Unregistered Product	12-Apr-04	05-Apr-05
	Challenge 8-32-5	Improper Labeling	12-Apr-04	
	0-0-26 Engage	Unregistered Product	8-Jul-04	
<b>Doc's Simple Solutions</b> Villa Grande, California	Clone Spray Concentrate	Unregistered Product	21-Oct-04	
	Liquid Roots	Unregistered Product	21-Oct-04	
	Even Keel	Unregistered Product	21-Oct-04	
	Liquid Carbon Bloom	Unregistered Product	21-Oct-04	
	Liquid Carbon Grow	Unregistered Product	21-Oct-04	
	Bloom Spray Concentrate	Unregistered Product	21-Oct-04	
	Grow Spray Concentrate	Unregistered Product	21-Oct-04	
	Twilight Flavor Enhancer	Unregistered Product	21-Oct-04	

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<b>Company</b>	<b>Product</b>	<b>SSURO Reason</b>	<b>Start</b>	<b>End</b>
<b>Down To Earth Distributors</b> Eugene, Oregon	12-8-2 Seabird Guano	Unregistered Product	23-Apr-04	30-Apr-04
<b>Esco Corporation</b> San Ramon, California	Turf Magic Starter Fertilizer 14-24-12	Unregistered Product	2-Mar-04	
	Turf Magic Premium Rose Food 15-10-7	Unregistered Product	2-Mar-04	
	Turf Magic 20-2-5 Lawn Food with Iron	Unregistered Product	2-Mar-04	
<b>Fertisource, LLC</b> San Antonio, Texas	BioBizz Root Juice	Unregistered Product	21-Oct-04	
	BioBizz Top Max	Unregistered Product	21-Oct-04	
	BioBizz Fish Mix 2-0.2-7	Unregistered Product	21-Oct-04	
	BioBizz Alg-A-Mic	Unregistered Product	21-Oct-04	
	BioBizz BioGrow 2-0.1-7	Unregistered Product	21-Oct-04	
	BioBizz BioBloom 1-3-2	Unregistered Product	21-Oct-04	
<b>Fox Farm Soil &amp; Fertilizer</b> Arcata, California	Light Warrior Growing Medium	Unregistered Product	25-May-04	10-Jun-04
<b>Great Salt Lake Minerals</b> Ogden, Utah	Sulfate of Potash Soluble Fines 0-0-50 SOP	Unregistered Product	13-Oct-04	
<b>Grigg Bros.</b> Albion, Idaho	Gary's Green 18-3-4 + Iron	Unregistered Product	3-Sep-04	16-Sep-04
	4.5% Iron Combo-Chelate 1-0-2	Unregistered Product	3-Sep-04	21-Sep-04
	Tuff-Turf 1-0-14	Unregistered Product	3-Sep-04	30-Sep-04
	Ultra Plex 5-0-3	Unregistered Product	3-Sep-04	21-Sep-04
	Carbo-Plex 6-4-4	Unregistered Product	3-Sep-04	
	Sili-Kalb 8-0-4 + 10Ca	Unregistered Product	3-Sep-04	30-Sep-04
	P-K Plus 3-21-18	Unregistered Product	3-Sep-04	30-Sep-04
	Nutra Green 5-10-5	Unregistered Product	3-Sep-04	16-Sep-04
<b>Gro Tec, Inc.</b> Covington, Georgia	Strike Evergreen Fertilizer Spikes 10-10-10	Unregistered Product	2-Mar-04	
<b>Gro-Power, Inc.</b> Chino, California	Master Nursery Iron Plus	Unregistered Product	2-Mar-04	01-Apr-04
<b>Grotek Manufacturing, Inc.</b> Langley, British Columbia	Hydrozyme	Unregistered Product	8-Jul-04	
	Rage 1-0-0	Unregistered Product	8-Jul-04	
<b>Grow More, Inc.</b> Gardena, California	Grow More 28-8-18	Unregistered Product	21-Oct-04	
<b>Growth Products, Ltd</b> White Plains, New York	Companion Microbial Inoculant	Unregistered Product	23-Apr-04	09-Nov-04
	Companion Dry Concentrate	Unregistered Product	23-Apr-04	09-Nov-04
	Essential 1-0-1	Unregistered Product	23-Apr-04	09-Nov-04
<b>Hamilton Manufacturing, Inc.</b> Twin Falls, Idaho	C: tac	Unregistered Product	31-Mar-04	18-May-04

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<b>Company</b>	<b>Product</b>	<b>SSURO Reason</b>	<b>Start</b>	<b>End</b>
<b>Helena Chemical Company</b> Collierville, Tennessee	Pro-Mate Soaker	Unregistered Product	31-Mar-04	
	Tracite GHEP Z-F-M Plus	Unregistered Product	31-Mar-04	14-May-04
	Ele-Max Foliar Phosphite 0-28-26	Unregisterable Product	31-Mar-04	
	Meister Urea Type 7	Improper Labeling	31-Mar-04	
	Ele-Max Foliar Phosphite 4-30-20	Unregisterable Product	9-Jun-04	
<b>Hydro Agri North America</b> Tampa, Florida	FS/31 Ferrous Sulfate Granular	Unregistered Product	2-Mar-04	08-Mar-04
	15.5-0-0 Calcium Nitrate	Unregistered Product	2-Mar-04	08-Mar-04
<b>Hydro Canada LP, CEC</b> Elmira, Ontario	PS Mix 5-6-12	Unregistered Product	2-Mar-04	19-May-04
<b>Hydrodynamics International</b> Lansing, Michigan	Clonex 1-0.4-1	Unregistered Product	8-Jul-04	14-Dec-04
<b>Ironite Products Company</b> Scottsdale, Arizona	1-0-0	Unregistered Product	2-Mar-04	
<b>J.R. Simplot Company</b> Lathrop, California	Brilliance	Unregistered Product	11-Jun-04	22-Jul-04
	Brilliance G	Unregistered Product	11-Jun-04	02-Dec-04
	ReWet	Unregistered Product	11-Jun-04	22-Jul-04
	ReWet G	Unregistered Product	11-Jun-04	02-Dec-04
	Apex 19-6-13	Unregistered Product	11-Jun-04	29-Jul-04
	Trident 4-0-1 with UMAXX	Unregistered Product	11-Jun-04	10-Dec-04
	Eco K + 1-0-23	Unregistered Product	11-Jun-04	02-Dec-04
	Grid Iron 6-0-2	Unregistered Product	11-Jun-04	
	Super K 12-2-12	Unregistered Product	11-Jun-04	25-Jan-05
	Eco Micro Mix Plus 5-0-0	Unregistered Product	11-Jun-04	10-Dec-04
	Rely II G	Unregistered Product	11-Jun-04	02-Dec-04
	Apex 16-4-11 Woody Plant	Unregistered Product	6-Oct-04	29-Oct-04
	Apex 17-6-12 Woody Plant	Unregistered Product	6-Oct-04	04-Nov-04
	Apex 17-5-9 High Acid Topdress	Unregistered Product	6-Oct-04	29-Oct-04
	Apex 20-6-13 Bloom	Unregistered Product	6-Oct-04	29-Oct-04
	Apex 21-7-6 Cool Weather Special	Unregistered Product	6-Oct-04	29-Oct-04
Apex Iron Sulfate	Unregistered Product	6-Oct-04	09-Nov-04	
<b>Lebanon Seaboard Corporation</b> Lebanon, Pennsylvania	NX-Pro 21-3-21	Unregistered Product	12-May-04	01-Oct-04
	NX-Pro 22-3-22 Greens Grade	Unregistered Product	12-May-04	18-Jun-04
	NX-Pro 16-0-30 SOP	Unregistered Product	12-May-04	01-Oct-04
	NX-Pro 14-20-20 Greens Grade	Unregistered Product	12-May-04	XXX
	Isotek 31 19-2-19 Greens	Unregistered Product	11-Jun-04	02-Jul-04
	ParEx 19-0-19	Unregistered Product	11-Jun-04	18-Aug-04
	13-25-12 Country Club	Unregistered Product	11-Jun-04	01-Oct-04
	ProScape 20-4-10 w/Dimension	Unregistered Product	11-Jun-04	02-Jul-04
	ParEx 16-0-24	Unregistered Product	29-Jul-04	22-Mar-05
Penn Mulch 1-3-1	Unregistered Product	11-Jun-04	28-Feb-05	
<b>Lesco, Inc.</b> Cleveland, Ohio	Macron 28-7-14 Sprayable	Unregistered Product	24-Mar-04	16-Apr-04
	35-0-0 Poly Plus Sulfur	Unregistered Product	12-May-04	18-Jun-04
	Coated Urea			
<b>Lidochem, Inc.</b> Hazlet, New Jersey	Lidoquest Zn14SG 14% Zn	Unregistered Product	12-May-04	29-Jun-04

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<b>Loveland Industries, Inc.</b> Greeley, Colorado	Nortrace 10% Calcium	Unregistered Product	31-Mar-04	14-Jun-04
<b>Marion Ag Service</b> St. Paul, Oregon	OVS 25-4-8	Unregistered Product	28-Apr-04	01-Sep-04
	OVS 16-5-10	Unregistered Product	28-Apr-04	01-Sep-04
	St. Paul 21-0-0-24(S) Water Soluble Fines	Unregistered Product	28-Apr-04	
	Mini Prill Lime	Unregistered Product	11-Jun-04	19-Jul-04
	Simplot Partners Standard Prill Lime	Unregistered Product	11-Jun-04	19-Jul-04
	Simplot Partners Mini Prill Lime	Unregistered Product	11-Jun-04	19-Jul-04
	Simplot Partners Standard Prill Gypsum	Unregistered Product	11-Jun-04	19-Jul-04
	Simplot Partners 21-0-0 w/24s	Unregistered Product	11-Jun-04	19-Jul-04
	Micro Mix 1	Unregistered Product	7-Jul-04	18-Oct-04
	Professional Turf Center Mini Prill Dolomite	Unregistered Product	3-Sep-04	
	22-5-15 Fall Lawn Mix	Unregistered Product	6-Oct-04	29-Oct-04
	25-5-10 Nursery Field Mix	Unregistered Product	6-Oct-04	09-Nov-04
	18-8-7	Unregistered Product	6-Oct-04	
	22-5-10 Spin Mix	Unregistered Product	6-Oct-04	
	16-8-7 (3-4 month)	Unregistered Product	6-Oct-04	
	43-0-0 Duration 5	Unregistered Product	6-Oct-04	
	21-7-13 Summer Lawn Mix	Unregistered Product	6-Oct-04	29-Oct-04
<b>Martin Resources</b> Kilgore, Texas	Greenhouse Sulphate of Ammonia 21-0-0	Unregistered Product	2-Mar-04	31-Mar-04
	Bi-Mart 26-3-3	Unregistered Product	24-Mar-04	09-Apr-04
<b>Martrex Incorporated</b> Minnetonka, Minnesota	Mono Potassium Phosphate 0-52-34	Unregistered Product	28-Apr-04	30-Apr-04
<b>Maxicrop USA, Inc.</b> Arlington Heights, Illinois	Algamin 1-0-4	Unregistered Product	23-Apr-04	
<b>Midnight Sun Plant Foods</b> Faro, Yukon	Midnight Sun Plant Food 0.8-1-0.1	Unregistered Product	2-Mar-04	
<b>Miller Chemical Company</b> Hanover, Pennsylvania	Microplex 4-0-0	Unregistered Product	31-Mar-04	31-Mar-04
<b>Miracle-Gro Lawn Products</b> Marysville, Ohio	Seed Starting Potting Mix 0.05-0.01-0.05	Unregistered Product	17-Feb-04	24-Feb-04
	Cactus Potting Mix	Unregistered Product	17-Feb-04	24-Feb-04
<b>Monterey Chemical Company</b> Fresno, California	Mag-Nite 7-0-0	Unregistered Product	31-Mar-04	
	Monterey Nutrient Buffer 11-4-6	Unregistered Product	28-Apr-04	
	Sequestar 1-0-0 4.5% Fe EDTA	Unregistered Product	12-May-04	17-Jun-04
<b>Mycorrhizal Applications</b> Grants Pass, Oregon	Myco Apply Seed Inoculant	Unregistered Product	7-Jul-04	24-Aug-04

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<b>Company</b>	<b>Product</b>	<b>SSURO Reason</b>	<b>Start</b>	<b>End</b>
<b>Nitragin, Inc.</b> Milwaukee, Wisconsin	Garden Inoculant for Peas, Snap and Lima Beans	Unregistered Product	2-Mar-04	10-Jun-04
<b>Nortrace, Ltd.</b> Greeley, Colorado	NorAzin 3-0-0	Unregistered Product	31-Mar-04	30-Nov-04
	NorCal 4-0-0	Unregistered Product	31-Mar-04	30-Nov-04
	NorMag Plus P 0-29.5-0	Unregistered Product	31-Mar-04	30-Nov-04
	28-8-18 Soluble Fertilizer	Unregistered Product	13-Oct-04	10-Nov-04
<b>Olympic Horticulture</b> Mainland, Pennsylvania	Suffusion Granules	Unregistered Product	31-Mar-04	26-May-04
<b>Pace International, LLC</b> Seattle, Washington	Zintrac	Unregistered Product	31-Mar-04	
<b>Pacific Calcium</b> Tonasket, Washington	Dolopril	Unregistered Product	24-Mar-04	25-Mar-04
	Calpril	Unregistered Product	24-Mar-04	25-Mar-04
	White Cloud Dolomite	Unregistered Product	8-Jul-04	16-Jul-04
<b>Pacific Garden Company</b> Millheim, Pennsylvania	Dr. Subler's Living Soil Earthworm Castings Tea	Unregistered Product	20-May-04	
	Dr. Subler's Living Soil Earthworm Castings Tea Bags	Unregistered Product	20-May-04	
<b>Pacific Harvest Supply</b> Cornelius, Oregon	46-0-0	Unregistered Product	7-Jul-04	25-Aug-04
	25-5-10-5	Unregistered Product	7-Jul-04	25-Aug-04
	27-5-12-5	Unregistered Product	7-Jul-04	25-Aug-04
	27-0-0-16	Unregistered Product	7-Jul-04	25-Aug-04
	33-0-0-12	Unregistered Product	7-Jul-04	25-Aug-04
<b>Phelps Dodge Refining</b> Phoenix, Arizona	Triangle Brand Copper Sulfate Crystals Macro	Improper Labeling	30-Mar-04	21-May-04
<b>Potash Import and Chemical Corporation</b> New York, New York	Epsogrow	Unregistered Product	29-Jul-04	23-Aug-04
<b>Platte Chemical Company</b> Greeley, Colorado	Awaken 16-0-2	Unregistered Product	31-Mar-04	
	ACA Concentrate 15-0-0	Unregistered Product	31-Mar-04	02-Nov-04
<b>Profile Products</b> Buffalo Grove, Illinois	Turface ProLeague	Unregistered Product	11-Jun-04	30-Sep-04
<b>Rhodia, Inc.</b> Cranbury, New Jersey	Diammonium Phosphate 20-53-0	Unregistered Product	12-May-04	
<b>RNA Corporation</b> San Joaquin, California	2.5% Magnesium EDTA	Unregistered Product	30-Mar-04	09-Apr-04
	6% Humic Acid Solution	Unregistered Product	30-Mar-04	09-Apr-04



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<b>Company</b>	<b>Product</b>	<b>SSURO Reason</b>	<b>Start</b>	<b>End</b>	
<b>Roots, Inc.</b> Independence, Missouri	Roots New Formula 1-2-3 Premix	Unregistered Product	13-Oct-04		
<b>RSA MicroTech</b> Marysville, Washington	NT 20-20-20	Unregistered Product	13-Oct-04	03-Nov-04	
<b>Schultz Company</b> Bridgeton, Missouri	Multi-Cote 17-17-17	Unregistered Product	28-Jan-04	08-Mar-04	
	Schultz 8-14-9 African Violet Plus	Unregistered Product	17-Feb-04	09-Mar-04	
	Schultz Professional Potting Soil Plus 0.08-0.12-0.08	Unregistered Product	17-Feb-04	09-Mar-04	
	Schultz Moisture Plus Potting Soil 0.08-0.12-0.08	Unregistered Product	17-Feb-04	09-Mar-04	
	Expert Gardener 10-60-10 Bloom Plus	Unregistered Product	2-Mar-04	09-Mar-04	
	Expert Gardener 19-24-24 Rose Food	Unregistered Product	2-Mar-04	09-Mar-04	
	Expert Gardener 20-30-20 All Purpose Plant Food	Unregistered Product	2-Mar-04	09-Mar-04	
	Expert Gardener 33-11-11 ACR Water Soluble Plant Food	Unregistered Product	2-Mar-04	09-Mar-04	
	Expert Gardener 40-4-4 Lawn Food with Chelated Iron	Unregistered Product	2-Mar-04	09-Mar-04	
	Garden Safe 0.06-0.09-0.06 All Purpose Potting Mix	Unregistered Product	2-Mar-04	09-Aug-04	
	Garden Safe 5-3-3 All Purpose Plant Food	Unregistered Product	2-Mar-04	11-Mar-04	
	Garden Safe 4-4-3 Bulb Food	Unregistered Product	2-Mar-04	11-Mar-04	
	Garden Safe 3-5-3 Rose & Flower Plant Food	Unregistered Product	2-Mar-04	11-Mar-04	
	Garden Safe 5-5-3 Tomato & Veg Plant Food	Unregistered Product	2-Mar-04	11-Mar-04	
	Garden Safe 4-4-2 Azalea & Rhydy Plant Food	Unregistered Product	2-Mar-04	11-Mar-04	
	Multi-Cote 18-6-12 All Purpose	Unregistered Product	2-Mar-04	09-Mar-04	
	Schultz 0.08-0.14-0.09 Pro Potting Soil Plus for African Violets	Unregistered Product	2-Mar-04	09-Mar-04	
	Schultz 0.05-0.10-0.05 Enriched Garden Soil for Flowers & Veg	Unregistered Product	2-Mar-04	09-Mar-04	
	Schultz 0.05-0.10-0.05 Enriched Garden Soil for Trees & Shrubs	Unregistered Product	2-Mar-04	09-Mar-04	
	<b>Scotts Company</b> Marysville, Ohio	Osmoform 18-5-13	Unregistered Product	29-Jul-04	13-Aug-04
		Customblen 18-5-12	Unregistered Product	29-Jul-04	
	<b>Scotts-Sierra Horticultural Products</b> Marysville, Ohio	Osmocote Pro 21-3-7 Resin Coated Urea	Unregistered Product	28-Jan-04	24-Feb-04
		S.T.E.M.	Unregistered Product	31-Mar-04	02-Jun-04
Osmoform 18-5-13		Unregistered Product	12-May-04	30-Jun-04	
Osmocote Plus 15-9-12 12-14 Month Southern		Unregistered Product	12-May-04	30-Jun-04	
Osmocote Plus 15-9-11 14-16 Month		Unregistered Product	12-May-04	30-Jun-04	

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<b>Company</b>	<b>Product</b>	<b>SSURO Reason</b>	<b>Start</b>	<b>End</b>
<b>Simplot Grower Solutions</b> Independence, Oregon	Simplot Partners 1-2-2 Nursery Mix	Unregistered Product	11-Jun-04	22-Jun-04
	Simplot Partners 25-3-10 w/72% SCU	Unregistered Product	11-Jun-04	22-Jun-04
	Simplot Partners 26-4-14 w/50% SCU	Unregistered Product	11-Jun-04	22-Jun-04
	Simplot Partners 12-8-6 Pro Prills	Unregistered Product	11-Jun-04	22-Jun-04
	Simplot Partners 21-3-21	Unregistered Product	11-Jun-04	22-Jun-04
	Simplot Partners 12-8-6 Pro Prills Mini	Unregistered Product	11-Jun-04	22-Jun-04
<b>Specialty Fertilizer Products</b> Cherry Hill, Missouri	Super-OX 36% Magnesium Pre-Mix	Unregistered Product	6-Oct-04	13-May-05
	4-0-0 SFP 20% Iron Micronutrient Premix	Unregistered Product	6-Oct-04	02-Nov-04
<b>Spiral Stonemeal</b> Corvallis, Oregon	Spiral Stonemeal	Unregistered Product	8-Jul-04	
<b>SQM North America</b> Atlanta, Georgia	0-0-52 Sulfate of Potash	Unregistered Product	11-Jun-04	19-Jul-04
<b>The Andersons</b> Maumee, Ohio	Tee-Time 14-28-10	Unregistered Product	12-May-04	
<b>The Guano Company</b> Trinidad, California	Budswell 0.01-0.1-0.01	Unregistered Product	25-May-04	08-Jun-04
<b>The Ortho Group</b> Marysville, Ohio	Moss B Gone 0-0-16	Unregistered Product	17-Feb-04	24-Feb-04
<b>The Scotts Company</b> Marysville, Ohio	12-0-0 Natural Blood Meal	Unregistered Product	17-Feb-04	24-Feb-04
<b>Tiger Industries</b> Calgary, Alberta	Tiger Organic Sulphur 90%	Unregistered Product	30-Mar-04	19-Apr-04
<b>UAP Northwest</b> Burlington, Washington	25-3-12 50% SCU + 5% Iron	Unregistered Product	31-Mar-04	09-May-05
	26-4-14 50% SCU	Unregistered Product	31-Mar-04	09-May-05
<b>UAP Northwest</b> Pasco, Washington	10% Zinc	Unregistered Product	31-Mar-04	
<b>United Horticultural Supply</b> Greeley, Colorado	16-14-12 Garden Green	Unregistered Product	31-Mar-04	15-Jun-04
	16-14-12 Tree & Shrub	Unregistered Product	31-Mar-04	15-Jun-04
	20-9-9 8-9 Month Multicote	Unregistered Product	31-Mar-04	
	25-3-12 50% Poly & 5% Fe	Unregistered Product	31-Mar-04	15-Jun-04
	26-4-14 50% Poly	Unregistered Product	31-Mar-04	28-May-04
	Respond 2 G Granular	Unregistered Product	31-Mar-04	28-May-04
	21-0-0 Webfoot Sulfate of Ammonia	Unregistered Product	20-May-04	
	6-0-0 Feature with Fulvic Acid	Unregistered Product	29-Jul-04	
	3-2-6 Groganic Greens Grade	Unregistered Product	29-Jul-04	13-Dec-04

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<b>Company</b>	<b>Product</b>	<b>SSURO Reason</b>	<b>Start</b>	<b>End</b>
<b>United Horticultural Supply</b> Greeley, Colorado	17-6-9 12-14 Month Heritage Seedlings	Unregistered Product	29-Jul-04	
	25-4-16	Unregistered Product	29-Jul-04	30-Nov-04
	3-6-6	Unregistered Product	29-Jul-04	13-Dec-04
	16-4-16 Pro Turf Product w/ Mini ESN 2003	Unregistered Product	13-Oct-04	
	16-10-10 Multicote Controlled Release Fertilizer	Unregistered Product	13-Oct-04	
	18-5-5 3-4 Month Topdress Controlled Release Fertilizer	Unregistered Product	13-Oct-04	
	11-52-0 Professional Formula	Unregistered Product	13-Oct-04	11-Jan-05
	10-20-20 .5B	Unregistered Product	13-Oct-04	
	10-20-20 .5FTE	Unregistered Product	13-Oct-04	
	20-10-10 FTE & B	Unregistered Product	13-Oct-04	
	<b>United Industries</b> St. Louis, Missouri	Pursell/Best 0-10-10 Beauti-Bloom	Unregistered Product	2-Mar-04
Spectrum/Best Sulfate of Ammonia		Unregistered Product	2-Mar-04	12-Mar-04
<b>Verdicon, Inc.</b> Greeley, Colorado	14-2-8 Groganic	Unregistered Product	29-Jul-04	03-Sep-04
	22-5-10 BCMU	Unregistered Product	29-Jul-04	
	22-5-10 Signature Mini with BCMU	Unregistered Product	29-Jul-04	13-Dec-04
	23-3-6 Signature Weed and Feed	Unregistered Product	29-Jul-04	24-Aug-04
	28-8-18 Signature Bent Special	Unregistered Product	29-Jul-04	30-Nov-04
	6-0-0 Feature with Fulvic Acid	Unregistered Product	29-Jul-04	
	8-2-4 Groganic	Unregistered Product	29-Jul-04	03-Sep-04
	15-10-25 Winter Green	Unregistered Product	6-Oct-04	29-Nov-04
	21-0-0-24(S)	Unregistered Product	6-Oct-04	
	21-2-21 w/ SCU	Unregistered Product	6-Oct-04	
	0-0-22 K-Mag Premium	Unregistered Product	13-Oct-04	29-Nov-04
	10-10-10	Unregistered Product	13-Oct-04	25-Feb-05
	10-15-10 Slow Release	Unregistered Product	13-Oct-04	29-Nov-04
	10-20-20	Unregistered Product	13-Oct-04	29-Nov-04
	10-20-20-6(S)	Unregistered Product	13-Oct-04	09-May-05
	10-30-10 Turf Start	Unregistered Product	13-Oct-04	29-Nov-04
	11-52-0	Unregistered Product	13-Oct-04	29-Nov-04
	12-10-10	Unregistered Product	13-Oct-04	25-Feb-05
	16-16-16	Unregistered Product	13-Oct-04	29-Nov-04
	16-16-16 Slow Release	Unregistered Product	13-Oct-04	29-Nov-04
	16-20-0	Unregistered Product	13-Oct-04	29-Nov-04
20.5-0-0-24(S)	Unregistered Product	13-Oct-04	03-Jan-05	
20-10-10-10(S)	Unregistered Product	13-Oct-04	25-Feb-05	
21-7-14 Lawn Green	Unregistered Product	13-Oct-04	29-Nov-04	
46-0-0 Urea	Unregistered Product	13-Oct-04	29-Nov-04	
Respond 3	Unregistered Product	13-Oct-04	13-Dec-04	
<b>Voluntary Purchasing Groups</b> Bonham, Texas	ferti-lome 16-0-8 with Crabgrass Preventer	Unregistered Product	20-May-04	05-Nov-04
	ferti-lome 25-0-4 Weed-Out	Unregistered Product	20-May-04	08-Nov-04
	ferti-lome 28-0-4 plus Iron	Unregistered Product	20-May-04	09-Jun-04
<b>Wilco</b> Mt. Angel, Oregon	Lime & Iron	Unregistered Product	24-Mar-04	26-Jul-04
	14-2-4 Quick Green with Iron	Unregistered Product	18-Aug-04	22-Sep-04
	16-6-10 Premium Lawn Slow Release	Unregistered Product	18-Aug-04	
	12-8-6 Winter Green	Improper Labeling	18-Aug-04	10-Sep-04
	4-12-8 Rhody Gro	Unregistered Product	18-Aug-04	22-Sep-04
	12-4-8 Weed & Feed	Improper Labeling	18-Aug-04	24-Sep-04

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<b>Company</b>	<b>Product</b>	<b>SSURO Reason</b>	<b>Start</b>	<b>End</b>
<b>Woodstream Corporation</b> Lititz, Pennsylvania	Safer 5-1-1 Fish Emulsion	Unregistered Product	2-Mar-04	22-Mar-04
	Safer Magic Grass Patch 0.5-1-1	Unregistered Product	2-Mar-04	26-Mar-04
	Concern Vitalize 7-5-5	Unregistered Product	23-Apr-04	
	Concern Compost BioActivator	Unregistered Product	23-Apr-04	

## Notice of Violation

A Notice of Violation (NOV) is one of several enforcement options available to the Department to address violations of ORS 633. Prior to the issuance of a NOV, the party involved is fully advised of each incident that is a violation of fertilizer law. The Department offers guidance and assistance to the involved party on how to correct the violation within reasonable timelines. A NOV is typically issued if the party involved has failed to respond to the Department's concerns in a timely and adequate manner. If a timely request is not made, the NOV will be entered and recorded by the Department.

A NOV recorded by the Department remains on file for a period of three years. A NOV greatly increases the severity of subsequent enforcement actions (e.g. civil penalty) that may be necessary to address repeat, continuing, or additional violations of ORS 633.

Party Cited	Violation	ORS Section
<b>Ag Specialties, LLC</b> Tigard, Oregon	Sell, offer for sale, or distribute an unregistered fertilizer product.	633.366(1)(e)
	Sell, offer for sale, or distribute unregistered fertilizer products.	633.366(1)(e)
<b>Balcom Chemicals, Inc.</b> <b>aka Nortrace, Ltd.</b> Greeley, Colorado	Sell, offer for sale, or distribute unregistered fertilizer and agricultural mineral products.	633.366(1)(e)
<b>Bay Zinc Company, Inc.</b> Moxee, Washington	Sell, offer for sale, or distribute a mislabeled agricultural mineral product.	633.366(1)(a)
<b>Big River Zinc Corporation</b> Sauget, Illinois	Make false or fraudulent applications, records, invoices, or reports.	633.366(1)(g)
	Fail, refuse, or neglect to file an accurate semiannual tonnage statement with the Department as required under ORS 633.461.	633.366(1)(m)
	Fail, refuse, or neglect to pay inspection fees required under ORS 633.461.	633.366(1)(n)
<b>Black Earth Humates, Ltd.</b> Edmonton, Alberta	Make false or fraudulent applications, records, invoices, or reports.	633.366(1)(g)
	Fail, refuse, or neglect to file an accurate semiannual tonnage statement with the Department as required under ORS 633.461.	633.366(1)(m)
	Fail, refuse, or neglect to pay inspection fees required under ORS 633.461.	633.366(1)(n)
<b>Bonide Products, Inc.</b> Oriskany, New York	Sell, offer for sale, or distribute an unregistered fertilizer product.	633.366(1)(e)
<b>Custom Ag Formulators, Inc.</b> Fresno, California	Sell, offer for sale, or distribute a mislabeled fertilizer product.	633.366(1)(a)
<b>Esco Corporation</b> San Ramon, California	Sell, offer for sale, or distribute unregistered fertilizer products.	633.366(1)(e)
<b>Growth Products, Ltd.</b> White Plains, New York	Sell, offer for sale, or distribute an unregistered fertilizer product.	633.366(1)(e)

Party Cited	Violation	ORS Section
<b>IMC USA, Inc.</b> Lake Forest, Illinois	Fail, refuse, or neglect to file an accurate semiannual tonnage statement with the Department as required under ORS 633.461. Fail, refuse, or neglect to pay inspection fees required under ORS 633.461	633.366(1)(m) 633.366(1)(n)
<b>J. R. Simplot Company</b> Boise, Idaho	Sell, offer for sale, or distribute unregistered fertilizer and agricultural amendment products.	633.366(1)(e)
<b>Maxicrop USA, Inc.</b> Arlington Heights, Illinois	Sell, offer for sale, or distribute an unregistered fertilizer product.	633.366(1)(e)
<b>Na-Churs Plant Food Co. aka Na-Churs / Alpine Solutions</b> Marion, Ohio	Make false or fraudulent applications, records, invoices, or reports. Fail, refuse, or neglect to file an accurate semiannual tonnage statement with the Department as required under ORS 633.461. Fail, refuse, or neglect to pay inspection fees required under ORS 633.461	633.366(1)(g) 633.366(1)(m) 633.366(1)(n)
<b>Platte Chemical Company</b> Greeley, Colorado	Sell, offer for sale, or distribute unregistered fertilizer products.	633.366(1)(e)
<b>Premier Horticulture, Inc.</b> Quakertown, Pennsylvania	Sell, offer for sale, or distribute unregistered agricultural mineral and agricultural amendment products.	633.366(1)(e)
<b>Rhodia, Inc.</b> Cranbury, New Jersey	Sell, offer for sale, or distribute an unregistered fertilizer product.	633.366(1)(e)
<b>Schultz Company</b> Bridgeton, Missouri	Sell, offer for sale, or distribute an unregistered fertilizer product.	633.366(1)(e)
<b>Scotts-Sierra Horticultural Products</b> Marysville, Ohio	Sell, offer for sale, or distribute unregistered fertilizer products.	633.366(1)(e)
<b>Wilco</b> Mt Angel, Oregon	Sell, offer for sale, or distribute an unregistered fertilizer product.	633.366(1)(e)

## Civil Penalty

Civil Penalty authority was granted to the ODA Fertilizer program in the 2001 Legislative session. Prohibited acts (violations) identified in ORS 633 are separated into three categories of severity according to the magnitude of violation. In addition to the magnitude of violation, the number of violations committed during the last three years is also taken into consideration when assessing a civil penalty. A civil penalty is issued only when all other efforts to gain compliance have been exhausted, or when the severity of a violation is determined to be a Category I violation. Enforcement guidelines adopted by the Department in OAR 603-059-0080 provide for consistency in the application of enforcement measures. These guidelines are available on the fertilizer program's web page:

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

Party Cited	Violation(s)	ORS Section	Total Amount
<b>IMC, USA, Inc.</b> Lake Forest, Illinois	Make false or fraudulent applications, records, invoices, or reports.	633.366(1)(g)	\$1,500.00
<b>Voluntary Purchasing Groups</b> Bonham, Texas	Sell, offer for sale, or distribute unregistered fertilizer and agricultural amendment products.	633.366(1)(e)	\$150,000.00

## Laboratory Analysis

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	Label Guarantee	Lab Analysis	Violation?
<b>Agrium U. S., Inc.</b> Fresno, California	11-52-0 Monoammonium Phosphate	Total Nitrogen (N)	11%	12.2%	No
		Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	52%	53.4%	No
	11-52-0 Monoammonium Phosphate	Total Nitrogen (N)	11%	10.8%	No
		Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	52%	52.97%	No
	16-20-0 Ammonium Phosphate Sulfate	Total Nitrogen (N)	16%	15.3%	No
		Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	20%	21.5%	No
		Sulfur (S)	13%	14.2%	No
	16-20-0 Ammonium Phosphate Sulfate	Total Nitrogen (N)	16%	15.85%	No
	Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	20%	21.74%	No	
	Sulfur (S)	13%	14.2%	No	
<b>American Minerals</b> Dunedin, Florida	Granusol Iron	Iron (Fe)	50%	51.6%	No
<b>Bay Zinc Company</b> Moxee, Washington	Blu-Min Zinc Granular with Sulfur	Sulfur (S) <b>Zinc (Zn)</b>	17.2% <b>35.5%</b>	18.3% <b>34.3%</b>	No <b>Yes</b>
<b>Frit Industries</b> Ozark, Alabama	F-358 G	<b>Boron (B)</b>	<b>2.00%</b>	<b>1.22%</b>	<b>Yes</b>
		Copper (Cu)	5.00%	5.42%	No
		Iron (Fe)	10.00%	14.1%	No
		Manganese (Mn)	5.00%	6.8%	No
		<b>Molybdenum (Mo)</b>	<b>0.05%</b>	<b>0.02%</b>	<b>Yes</b>
		Zinc (Zn)	5.00%	8.68%	No



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Company	Product	Element	Label Guarantee	Lab Analysis	Violation?
Grange Cooperative Supply Central Point, Oregon	24-3-12 Northwest Summer Blend	<b>Total Nitrogen (N)</b>	<b>24%</b>	<b>22.5%</b>	<b>Yes</b>
		Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	3%	3.6%	No
		Soluble Potash (K <sub>2</sub> O)	12%	14.8%	No
		Sulfur (S)	6%	8.4%	No
		Iron (Fe)	2.5%	3.28%	No
	4-6-3-2(S) Rose & Flower Plant Food	<b>Total Nitrogen (N)</b>	<b>4%</b>	<b>3.2%</b>	<b>Yes</b>
		Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	6%	10%	No
		Soluble Potash (K <sub>2</sub> O)	3%	3.5%	No
		Magnesium (Mg)	0.55%	1.32%	No
		Sulfur (S)	2%	3.1%	No
	17-15-14 Floral Gold	<b>Total Nitrogen (N)</b>	<b>17%</b>	<b>14.7%</b>	<b>Yes</b>
		Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	15%	14.5%	No
		Soluble Potash (K <sub>2</sub> O)	14%	17.8%	No
		Magnesium (Mg)	0.55%	0.9%	No
		Sulfur (S)	7%	10.3%	No
Boron (B)		0.04%	0.076%	No	
Copper (Cu)		0.10%	0.2%	No	
Iron (Fe)		0.20%	0.54%	No	
Manganese (Mn)		0.12%	0.19%	No	
Zinc (Zn)		0.10%	0.25%	No	
J. R. Simplot Company Lathrop, California	0-45-0 Triple Super Phosphate	Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	45.0%	45.6%	No
Marion Ag Service St. Paul, Oregon	*R & S Nursery Premix	Total Nitrogen (N)	3.00%	3.5%	No
		<b>Available Phosphate (P<sub>2</sub>O<sub>5</sub>)</b>	<b>6.00%</b>	<b>1.26%</b>	<b>Yes</b>
		Soluble Potash (K <sub>2</sub> O)	1.00%	1.8%	No
	Summer Lawn Mix 21-7-13 + 7(S)	Total Nitrogen (N)	21.00%	23.4%	No
		Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	7.00%	6.95%	No
		Soluble Potash (K <sub>2</sub> O)	13.00%	12.3%	No
		<b>Sulfur (S)</b>	<b>7.00%</b>	<b>6.13%</b>	<b>Yes</b>
		<b>Iron (Fe)</b>	<b>1.55%</b>	<b>1.29%</b>	<b>Yes</b>
	Fall Lawn Mix 22-5-15-5(S)-1.6(Fe)	<b>Total Nitrogen (N)</b>	<b>22.00%</b>	<b>20.1%</b>	<b>Yes</b>
		Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	5.00%	6.53%	No
		Soluble Potash (K <sub>2</sub> O)	15.00%	17.4%	No
		Sulfur (S)	9.05%	9.75%	No
		Iron (Fe)	1.55%	1.65%	No
	Premix 2000 3-0.5-1	Total Nitrogen (N)	3.00%	3.1%	No
		Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	0.5%	1.24%	No
Soluble Potash (K <sub>2</sub> O)		1.00%	1.7%	No	
Calcium (Ca)		12.71%	12.7%	No	
Magnesium (Mg)		2.01%	2.84%	No	
Sulfur (S)		3.73%	3.69%	No	
Iron (Fe)		0.40%	1.45%	No	
Zinc (Zn)		0.11%	0.22%	No	
<b>Humic Acid</b>		<b>1.50%</b>	<b>0.75%</b>	<b>Yes</b>	

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Company	Product	Element	Label Guarantee	Lab Analysis	Violation?
<b>Marion Ag Service</b> St. Paul, Oregon	Nursery Field Mix 25-5-10-5(S)	<b>Total Nitrogen (N)</b>	<b>25.00%</b>	<b>24.0%</b>	<b>Yes</b>
		Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	5.00%	5.12%	No
		Soluble Potash (K <sub>2</sub> O)	10.00%	10.7%	No
		<b>Magnesium (Mg)</b>	<b>2.50%</b>	<b>2.05%</b>	<b>Yes</b>
		Sulfur (S)	5.00%	5.92%	No
		Iron (Fe)	3.00%	3.96%	No
	*Means Nursery Gold Coast Premix 3-7-2-9(S)-1(Mg)-1.5(Fe)	Total Nitrogen (N)	3.00%	2.8%	No
		Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	7.00%	6.44%	No
		Soluble Potash (K <sub>2</sub> O)	2.00%	3.7%	No
		Calcium (Ca)	2.89%	5.75%	No
		Magnesium (Mg)	1.00%	2.5%	No
		Iron (Fe)	1.50%	2.64%	No
	*Hart's Nursery New Premix '04	Total Nitrogen (N)	1.00%	0.7%	No
		Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	3.38%	4.2%	No
		Calcium (Ca)	21.18%	22.3%	No
		Magnesium (Mg)	4.75%	4.7%	No
		Sulfur (S)	4.56%	4.97%	No
		<b>Iron (Fe)</b>	<b>3.91%</b>	<b>3.09%</b>	<b>Yes</b>
	Standard Prill Gypsum	Calcium (Ca)	21.00%	22.9%	No
		<b>Sulfur (S)</b>	<b>17.0%</b>	<b>15.9%</b>	<b>Yes</b>
		Gypsum (CaSO <sub>4</sub> • 2H <sub>2</sub> O)	89.00%	85.4%	No
	Standard Prill Lime	<b>Calcium (Ca)</b>	<b>36.61%</b>	<b>34.7%</b>	<b>Yes</b>
		<b>Calcium Carbonate (CaCO<sub>3</sub>)</b>	<b>97.60%</b>	<b>86.7%</b>	<b>Yes</b>
		Magnesium Carbonate (MgCO <sub>3</sub> )	1.48%	6.78%	No
		Calcium Carbonate			
		Equivalent (CCE)	97.50%	92.6%	No
		% Passing 100 Mesh Sieve	89.00%	89.2%	No
% Passing 40 Mesh Sieve		99.70%	96.5%	No	
% Passing 20 Mesh Sieve		100.00%	98.3%	No	
% Passing 10 Mesh Sieve		100.00%	99.4%	No	
Moisture		< 2%	0.04%	No	
Oregon Lime Score		90	90.6	No	
<b>Marubeni Specialty Chemical</b> White Plains, New York	Fuji Titanium FS /31	Iron (Fe)	31%	31.5%	No
<b>Monterey Chemical Company</b> Fresno, California	Manganese Sulfate 31%	Sulfur (S)	18.0%	19.2%	No
		Manganese (Mn)	31.0%	30.6%	No
<b>Novozymes Biologicals, Inc.</b> Salem, Virginia	Roots Stand-Up Concentrate 0-2-12	Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	2%	2.95%	No
		Soluble Potash (K <sub>2</sub> O)	12%	12.1%	No
<b>Nu-Gro Technologies, Inc.</b> Grand Rapids, Michigan	30.8-0-0 IBDU Coarse Grade	Total Nitrogen (N)	30.8%	30.9%	No

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Company	Product	Element	Label Guarantee	Lab Analysis	Violation?
Pacific Calcium Tonasket, Washington	Calpril	<b>Calcium Carbonate (CaCO<sub>3</sub>)</b>	<b>91%</b>	<b>81.7%</b>	<b>Yes</b>
		Magnesium Carbonate (MgCO <sub>3</sub> )	1%	1.26%	No
		<b>Calcium Carbonate Equivalent (CCE)</b>	<b>91%</b>	<b>81.1%</b>	<b>Yes</b>
		% Passing 100 Mesh Sieve	80%	77.3%	No
		% Passing 40 Mesh Sieve	98%	98.8%	No
		% Passing 20 Mesh Sieve	99%	99.5%	No
		% Passing 10 Mesh Sieve	100%	99.7%	No
		Moisture	< 2%	0.78%	No
		<b>Oregon Lime Score</b>	<b>91</b>	<b>79.9</b>	<b>Yes</b>
		Steamed Bone Meal 1-25-0	<b>Total Nitrogen (N)</b>	<b>1%</b>	<b>0.4%</b>
<b>Available Phosphate (P<sub>2</sub>O<sub>5</sub>)</b>	<b>25%</b>		<b>21.74%</b>	<b>Yes</b>	
<b>Calcium (Ca)</b>	<b>33%</b>		<b>26.6%</b>	<b>Yes</b>	
Pacific Harvest Supply Cornelius, Oregon	15-8-8	Total Nitrogen (N)	15.00%	18.6%	No
		Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	8.00%	8.3%	No
		<b>Soluble Potash (K<sub>2</sub>O)</b>	<b>8.00%</b>	<b>7%</b>	<b>Yes</b>
		<b>Calcium (Ca)</b>	<b>25.17%</b>	<b>0.75%</b>	<b>Yes</b>
		Magnesium (Mg)	2.02%	3.41%	No
		Sulfur (S)	4.80%	8.6%	No
	16-16-16	<b>Total Nitrogen (N)</b>	<b>16.00%</b>	<b>13.7%</b>	<b>Yes</b>
		Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	16.00%	17.2%	No
		Soluble Potash (K <sub>2</sub> O)	16.00%	18%	No
		<b>Sulfur (S)</b>	<b>6.43%</b>	<b>5%</b>	<b>Yes</b>
	27-13-7-5(S)	Total Nitrogen (N)	27.00%	28.1%	No
		Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	13.00%	14%	No
		<b>Soluble Potash (K<sub>2</sub>O)</b>	<b>7.00%</b>	<b>4.2%</b>	<b>Yes</b>
		Sulfur (S)	5.00%	6.2%	No
	27-5-12-5(S)	<b>Total Nitrogen (N)</b>	<b>27%</b>	<b>18.1%</b>	<b>Yes</b>
Available Phosphate (P <sub>2</sub> O <sub>5</sub> )		5%	6.6%	No	
Soluble Potash (K <sub>2</sub> O)		12%	18.7%	No	
Sulfur (S)		5%	8.3%	No	
Phelps Dodge Refining Corp. El Paso, Texas	Triangle Brand Copper Sulfate Macro	Copper (Cu)	25.2%	24.5%	No
Quality Borate Company, LLC Cleveland, Ohio	QB-14 Granulated	Boron (B)	14.0%	13.1%	No
Scotts-Sierra Horticultural Products Marysville, Ohio	Osmocote 14-14-14 3 – 4 Month	<b>Total Nitrogen (N)</b>	<b>14%</b>	<b>13%</b>	<b>Yes</b>
		Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	14%	14.19%	No
		Soluble Potash (K <sub>2</sub> O)	14%	13.8%	No
Tiger Industries Calgary, Alberta	Tiger 90 CR	Sulfur (S)	90%	90%	No
Verdicon, Inc. Greeley, Colorado	22-5-10 BCMU	<b>Total Nitrogen (N)</b>	<b>22.00%</b>	<b>20%</b>	<b>Yes</b>
		Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	5.0%	5.42%	No
		Soluble Potash (K <sub>2</sub> O)	10.0%	10.9%	No
		<b>Sulfur (S)</b>	<b>15.10%</b>	<b>12%</b>	<b>Yes</b>

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Company	Product	Element	Label Guarantee	Lab Analysis	Violation?
Verdicon, Inc. Greeley, Colorado	Groganic 14-2-8	Total Nitrogen (N)	14.0%	13%	Yes
		Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	2.0%	2.23%	No
		Soluble Potash (K <sub>2</sub> O)	8.0%	7.1%	Yes
Western Farm Service Tangent, Oregon	29-5-5-9(S) Pasture Blend	Total Nitrogen (N)	29.0%	28.5%	No
		Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	5.0%	5.72%	No
		Soluble Potash (K <sub>2</sub> O)	5.0%	5.9%	No
		Sulfur (S)	9.0%	8.7%	No
	18-18-18-7(S)	Total Nitrogen (N)	18.0%	18%	No
		Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	18.8%	20.16%	No
		Soluble Potash (K <sub>2</sub> O)	18.8%	21.2%	No
		Sulfur (S)	7.0%	0.6%	Yes
Woodburn Fertilizer Woodburn, Oregon	20-10-10	Total Nitrogen (N)	20%	19.2%	Yes
		Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	10%	10.3%	No
		Soluble Potash (K <sub>2</sub> O)	10%	10.6%	No
		Sulfur (S)	10%	10.9%	No
	10-8-8 Perfection Mix #25	Total Nitrogen (N)	10%	9.35%	Yes
		Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	8%	8.97%	No
		Soluble Potash (K <sub>2</sub> O)	8%	9.7%	No
		Calcium (Ca)	8.5%	8.29%	No
		Magnesium (Mg)	3.25%	3.49%	No
		Sulfur (S)	5.5%	6.4%	No
		Boron (B)	0.12%	0.11%	No
		Copper (Cu)	0.12%	0.038%	Yes
		Iron (Fe)	0.75%	1.63%	No
		Manganese (Mn)	0.3%	0.17%	Yes
Zinc (Zn)	0.29%	0.25%	Yes		

## Tonnage

Data on the tonnage of fertilizer, agricultural mineral, agricultural amendment, and lime products sold or distributed into Oregon is collected by the Department twice a year. ORS 633 allows for the publication of this data so long as no confidential business information is disclosed. The primary audience of this data is Oregon dealers and the manufacturers of registered products. Tonnage data is also provided to AAPFCO to facilitate the publication of *Commercial Fertilizers*, an annual, nationwide compilation of state fertilizer tonnage data.

**Fertilizer, Agricultural Mineral, Agricultural Amendment, and Lime Material Tonnage Sold or Distributed into Oregon**  
**January 1, 2002 - December 31, 2002**  
**January 1, 2003 - December 31, 2003**  
**January 1, 2004 - December 31, 2004**

Material	Grade	2002 Tons	2003 Tons	2004 Tons
<b>Liming Materials</b>				
Calcium Hydroxide (Hydrate)		168	170	130
Standard Dolomite		46,258	38,340	51,999
Standard Calcite		116,197	129,290	144,152
By-product Lime		247,966	239,275	290,592
Liming Materials - Other Analysis		141	7	2
<b>Total Liming Materials</b>		<b>410,730</b>	<b>407,082</b>	<b>486,875</b>
<b>Agricultural Minerals</b>				
Boron		1,947	2,157	2,290
Calcium		1,514	911	786
Copper		98	117	263
Gypsum		27,440	23,351	28,206
Iron		3,302	3,569	3,408
Magnesium		1,149	574	330
Manganese		159	166	251
Molybdenum		6	2	1
Sulfur		4,231	3,915	5,338
Trace Combinations		368	470	579
Zinc		1,696	1,697	1,656
<b>Total Agricultural Minerals</b>		<b>41,910</b>	<b>36,929</b>	<b>43,108</b>
<b>Agricultural Amendments</b>				
Other Agricultural Amendments		1,393	961	345
Zeolite		---	---	792
Surfactants		5	18	16
Biological Inoculum		120	105	167
Polyacrylamide		9	14	217
Humic Acid		434	206	387
Calcined Clay		205	676	930
<b>Total Agricultural Amendments</b>		<b>2,166</b>	<b>1,980</b>	<b>2,854</b>

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<b>Material</b>	<b>Grade</b>	<b>2002 Tons</b>	<b>2003 Tons</b>	<b>2004 Tons</b>
<b>Nitrogen Materials</b>				
Anhydrous Ammonia	82-0-0	23,751	25,827	40,382
Aqua Ammonia	20-0-0	2,680	2,695	2,510
Ammonium Nitrate	34-0-0	28,450	30,517	27,912
Ammonium Nitrate Solution	20-0-0	1,023	893	1,066
Ammonium Nitrate-Sulfate	30-0-0	93	21	1
Ammonium Polysulfide	20-0-0	55	4,946	4,657
Ammonium Sulfate	21-0-0	110,024	106,556	104,282
Ammonium Sulfate Solution	6-0-0	1,398	1,074	881
Ammonium Thiosulfate	12-0-0	13,510	12,854	13,118
Calcium Ammonium Nitrate	17-0-0	1,057	749	2,068
Calcium Nitrate	15-0-0	6,333	5,775	4,357
Calcium Nitrate-Urea	33.8-0-0	---	448	---
Nitric Acid	15-0-0	819	940	1,155
Nitrogen Solutions 28%- 32%		99,741	101,491	105,839
Sodium Nitrate	16-0-0	100	55	88
Sulfur Coated Urea	36-0-0	1,663	1,447	1,933
Polymer Coated Urea	42-0-0	286	288	507
Urea	46-0-0	289,218	170,253	182,972
Urea Solution	20-0-0	---	20	193
Urea Formaldehydes		4,801	3,201	2,716
Nitrogen Materials - Other Analysis		10,582	4,560	3,895
<b>Total Nitrogen Materials</b>		<b>595,584</b>	<b>474,610</b>	<b>500,546</b>
<b>Phosphate Materials</b>				
Ammonium Metaphosphate	12-51-0	30	27	4
Ammonium Phosphate	11-48-0	---	---	22
Diammonium Phosphate	18-46-0	1,328	1,715	1,371
Ammonium Phosphate Sulfate	16-20-0	44,842	45,762	46,287
Monoammonium Phosphate	11-52-0	53,336	55,973	68,405
Rock Phosphate	0-3-0	1,403	1,028	1,874
Phosphoric Acid	0-54-0	237	251	718
Liquid Ammonium Polyphosphate	10-34-0	3,589	6,384	6,215
Superphosphate, Enriched	0-23-0	7	16	17
Superphosphate, Triple	0-46-0	911	1,893	1,798
Superphosphoric Acid	0-68-0	8,351	21,557	24,605
Phosphate Materials - Other Analysis		14,490	5,558	556
<b>Total Phosphate Materials</b>		<b>128,524</b>	<b>140,164</b>	<b>151,872</b>
<b>Potash Materials</b>				
Potash Suspensions		207	269	162
Potassium Hydroxide		---	284	492
Muriate of Potash 60%	0-0-60	51,919	58,166	77,318
Muriate of Potash 62%	0-0-62	4,320	5,302	3,269
Potassium-Magnesium Sulfate	0-0-22	16,928	16,504	22,966
Potassium-Metaphosphate	0-55-37	42	1	6
Potassium-Nitrate	14-0-44	271	364	336
Potassium Sulfate	0-0-50	11,523	11,416	9,007
Potash Materials - Other Analysis		1,002	937	958
<b>Total Potash Materials</b>		<b>86,212</b>	<b>93,243</b>	<b>114,514</b>

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<b>Material</b>	<b>Grade</b>	<b>2002 Tons</b>	<b>2003 Tons</b>	<b>2004 Tons</b>
<b>Turf, Nursery, &amp; Garden</b>				
Potting Media		26,536	51,091	53,030
Other Turf, Nursery, & Garden		19,867	24,818	21,894
Hydroponic Products		22	65	65
<b>Total Turf, Nursery, &amp; Garden</b>		<b>46,425</b>	<b>75,974</b>	<b>74,989</b>
<b>Organic / Natural Materials</b>				
Bone Meal, Steamed		726	487	349
Blood Meal		166	272	54
Compost		9,376	11,362	10,239
Cotton Seed Meal		215	160	1,246
Feather Meal		26	56	30
Fish Scrap		975	1,546	1,023
Kelp		96	77	183
Greensand		37	15	39
Guano		---	---	4
Ash		11,431	8,222	26,929
Log Yard Scrap		31,003	---	29,400
Poultry Manure		99	895	1,258
<b>Total Organic / Natural Materials</b>		<b>54,150</b>	<b>23,092</b>	<b>70,754</b>
<b>Fertilizer Products - Other Analysis</b>		<b>10,353</b>	<b>18,710</b>	<b>18,614</b>
<b>Total Oregon Tonnage</b>		<b>1,376,054</b>	<b>1,271,784</b>	<b>1,464,126</b>

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