



U.S. ENVIRONMENTAL PROTECTION AGENCY
 Office of Pesticide Programs
 Biopesticides and Pollution Prevention Division (7511P)
 1200 Pennsylvania Ave., N.W.
 Washington, D.C. 20460

EPA Reg. Number:

70644-9

Date of Issuance:

9/30/2020

NOTICE OF PESTICIDE:

Registration
 Reregistration
 (under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

Varnimo WSP

Name and Address of Registrant (include ZIP Code):

LidoChem, Inc.
 20 Village Court
 Hazlet, NJ 07730

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Biopesticides and Pollution Prevention Division prior to use of the label in commerce. In any correspondence on this product, always refer to the above EPA Registration Number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA or the Act).

Registration is in no way to be construed as an endorsement or recommendation of this product by the U.S. Environmental Protection Agency (EPA). In order to protect health and the environment, the Administrator, on his or her motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under the Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration or registration review of your product when the EPA requires all registrants of similar products to submit such data.

Signature of Approving Official:

Jeannine Kausch, Product Manager 92
 Microbial Pesticides Branch
 Biopesticides and Pollution Prevention Division (7511P)
 Office of Pesticide Programs

Date:

9/30/2020

2. Make the following labeling change before you release this product for shipment:
 - Revise the EPA Registration Number to read, “EPA Reg. No. 70644-9.”
3. Submit one (1) copy of the final printed labeling for the record before you release this product for shipment.

Should you wish to add/retain a reference to your company’s website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains statements or claims substantially differing from statements or claims made in connection with obtaining a FIFRA section 3 registration, the website will be referred to the EPA’s Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6. A stamped copy of the labeling is enclosed for your records. Please also note that the record for this product currently contains the following acceptable Confidential Statement of Formula (CSF):

- Basic CSF dated 06/10/2020

If you have any questions, please contact Bibiana Oe by phone at (703) 347-8162 or via email at oe.bibiana@epa.gov.

Sincerely,



Jeannine Kausch, Product Manager 92
Microbial Pesticides Branch
Biopesticides and Pollution
Prevention Division (7511P)
Office of Pesticide Programs

Enclosure: EPA Stamped Labeling

{Subpart A Label: For Agriculture Use}

{Affixed Booklet – Front Panel}

Varnimo® WSP

[[Select marketing claims from “Marketing Claims” section]]

Active Ingredient:

Bacillus amyloliquefaciens strain PTA-4838* 0.29%

Other Ingredients 99.71%

Total 100.00%

*Contains a minimum of 2 x 10⁹ Colony Forming Units (CFU)/gram of product.

Keep Out of Reach of Children

CAUTION/PRECACIÓN

Si usted no entiende la etiqueta, busque a alguien para que la explique a usted en detalle.

(If you do not understand the label, find someone to explain it to you in detail).

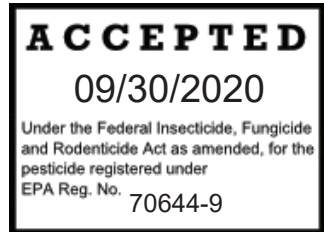
See inside for First Aid, additional Precautionary Statements and complete Directions for Use.

For Product Use Information Call 1-732-888-8000 {or other appropriate number}

For spill, leak, fire, exposure or accident, call Chemtrec at 1-800-424-9300

IMPORTANT: Read the entire label before using this product.

Net Weight: _____ pounds (_____ kg)



Manufactured for and Guaranteed by:
 LidoChem, Inc.
 20 Village Court Hazlet, NJ 07730
 [1-732-888-8000]

EPA Reg. No. 70644-O
 EPA Est. _____
 Made in [the] U.S.A. [USA]

[Batch Code: {Batch code to be inserted}.]

{Affixed Booklet – Inside Panels}

First Aid

If Inhaled:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for treatment advice.
If on Skin or Clothing:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Immediately rinse skin with plenty of water for 15-20 minutes. • Call a poison control center or doctor for further treatment advice.

Hotline Number: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including general health concerns or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378, Monday through Friday, 8:00 AM to 12:00 PM Pacific Time. In the event of a medical emergency, call the poison control center at 1-800-222-2222.

{Note: The First Aid statements' grid format will be used if market label space permits; otherwise a paragraph format will be used.}

PRECAUTIONARY STATEMENTS

Hazards to Humans & Domestic Animals

CAUTION: Harmful if inhaled or absorbed through skin. Avoid breathing dust or spray mist. Avoid contact with skin or clothing. Remove and wash contaminated clothing before reuse. Thoroughly wash with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Mixers/loaders and applicators must wear a minimum of a NIOSH-approved particulate filtering face piece respirator with any N, R or P filter; **or** a NIOSH-approved elastomeric particulate respirator with any N, R or P filter; **or** a NIOSH-approved powered air-purifying respirator with an HE filter. Repeated exposures to high concentrations of microbial proteins can cause allergic sensitization.

User Safety Requirements

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

See **Engineering Controls** for additional requirements.

Engineering Controls

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.607(d) and (e)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should:

- Immediately remove clothing/PPE if pesticide gets inside. Then thoroughly wash and put on clean clothing.
- Immediately remove PPE after handling this product. Wash the outside of gloves before removing. As soon as possible, thoroughly wash and change into clean clothing.

Environmental Hazards

For terrestrial uses: Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the

statements on this label about Personal Protective Equipment (PPE), restricted-entry interval and notification to workers. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard (WPS).

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 4 hours.

Exception: If the product is soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas (that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water) is:

- coveralls,
- waterproof gloves and
- shoes plus socks.

Non-Agricultural Use Requirements

The requirements in this box apply to uses that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Keep unprotected persons out of treated areas until sprays have dried.

Product Information: Fungicide

Varnimo® WSP [This product] may be used as a fungicide for suppressing selected soil-borne pathogens on bushes, crops, herbs, spices, ornamentals, shrubs, trees (forest and shade), turf, vegetables and vines.

Varnimo® WSP [This product] contains *Bacillus amyloliquefaciens* strain PTA-4838, a chitinase-, protease- and lipase-producing soil bacterium that can be efficacious for biological control against certain pathogenic fungi. Varnimo® WSP [This product] helps establish a vigorous root system which often results in more uniform foliage and overall enhanced plant health.

Varnimo® WSP [This product] may be applied alone, in combination and/or rotation with chemical fungicides as a tool for integrated disease management in agricultural crops, ornamentals, nursery plants and turfgrass. Varnimo® WSP [This product] offers a valuable tool for management of chemical pesticides' resistance through its multiple and unique modes of action.

Application Instructions and Rates for Use as a Fungicide

Apply Varnimo® WSP [this product] as early as possible in the life cycle of the plant to enhance disease resistance and suppression. For best results, apply Varnimo® WSP [this product] to seedlings or newly rooted cuttings.

Varnimo® WSP [This product] is suitable for application by [direct soil, turf root ball and root application by] spraying, drenching or by or drip irrigation. Optimal results are obtained by pre-plant applications (from 2-7 days prior to planting) and immediately irrigating after application to a minimum of 3-4 inches. If product is applied prior to planting, maintain moist soil with daily irrigation until planting.

Apply Varnimo® WSP [this product] as a drench, using conventional equipment, to the root zone. Following drenching, the treated area must be irrigated with adequate water to moisten the entire root zone. This applies to post-plant applications of Varnimo® WSP [this product] as well, so that it will not cause damage to the plant stand. It is preferable to apply Varnimo® WSP [this product] with irrigation after drench treatment.

Varnimo® WSP [This product] may be used on all crops, ornamentals and turf at the following rates:

Spray Application: Apply 3-32 ounces Varnimo® WSP [this product] in a minimum of 25 gallons of water per Acre.
Drench and Drip Irrigation Applications: Apply 3-32 ounces Varnimo® WSP [this product] in a minimum of 25 gallons of water.

CFU Spray Tank Dilution: Varnimo® WSP Ounces per Acre

Gallons of Water	Ounces of Varnimo® WSP							
	3	6	9	12	13	14	15	16
	CFU Counts per Acre							
25	1.80E+06	3.59E+06	5.39E+06	7.19E+06	7.79E+06	8.39E+06	8.99E+06	9.58E+06
30	1.50E+06	3.00E+06	4.49E+06	5.99E+06	6.49E+06	6.99E+06	7.49E+06	7.99E+06
35	1.28E+06	2.57E+06	3.85E+06	5.13E+06	5.56E+06	5.99E+06	6.42E+06	6.85E+06
40	1.12E+06	2.25E+06	3.37E+06	4.49E+06	4.87E+06	5.24E+06	5.62E+06	5.99E+06
45	9.98E+05	2.00E+06	3.00E+06	3.99E+06	4.33E+06	4.66E+06	4.99E+06	5.32E+06
50	8.99E+05	1.80E+06	2.70E+06	3.59E+06	3.89E+06	4.19E+06	4.49E+06	4.79E+06
55	8.17E+05	1.63E+06	2.45E+06	3.27E+06	3.54E+06	3.81E+06	4.08E+06	4.36E+06
60	7.49E+05	1.50E+06	2.25E+06	3.00E+06	3.24E+06	3.49E+06	3.74E+06	3.99E+06
65	6.91E+05	1.38E+06	2.07E+06	2.76E+06	3.00E+06	3.23E+06	3.46E+06	3.69E+06
70	6.42E+05	1.28E+06	1.93E+06	2.57E+06	2.78E+06	3.00E+06	3.21E+06	3.42E+06
75	5.99E+05	1.20E+06	1.80E+06	2.40E+06	2.60E+06	2.80E+06	3.00E+06	3.19E+06
80	5.62E+05	1.12E+06	1.68E+06	2.25E+06	2.43E+06	2.62E+06	2.81E+06	3.00E+06
85	5.29E+05	1.06E+06	1.59E+06	2.11E+06	2.29E+06	2.47E+06	2.64E+06	2.82E+06
90	4.99E+05	9.98E+05	1.50E+06	2.00E+06	2.16E+06	2.33E+06	2.50E+06	2.66E+06
95	4.73E+05	9.46E+05	1.42E+06	1.89E+06	2.05E+06	2.21E+06	2.36E+06	2.52E+06
100	4.49E+05	8.99E+05	1.35E+06	1.80E+06	1.95E+06	2.10E+06	2.25E+06	2.40E+06

Gallons of Water	Ounces of Varnimo® WSP							
	17	18	19	20	21	22	23	24
	CFU Counts per Acre							
25	1.02E+07	1.08E+07	1.14E+07	1.20E+07	1.26E+07	1.32E+07	1.38E+07	1.44E+07
30	8.49E+06	8.99E+06	9.48E+06	9.98E+06	1.05E+07	1.10E+07	1.15E+07	1.20E+07
35	7.27E+06	7.70E+06	8.13E+06	8.56E+06	8.99E+06	9.41E+06	9.84E+06	1.03E+07
40	6.36E+06	6.74E+06	7.11E+06	7.49E+06	7.86E+06	8.24E+06	8.61E+06	8.99E+06
45	5.66E+06	5.99E+06	6.32E+06	6.66E+06	6.99E+06	7.32E+06	7.65E+06	7.99E+06
50	5.09E+06	5.39E+06	5.69E+06	5.99E+06	6.29E+06	6.59E+06	6.89E+06	7.19E+06
55	4.63E+06	4.90E+06	5.17E+06	5.45E+06	5.72E+06	5.99E+06	6.26E+06	6.53E+06
60	4.24E+06	4.49E+06	4.74E+06	4.99E+06	5.24E+06	5.49E+06	5.74E+06	5.99E+06
65	3.92E+06	4.15E+06	4.38E+06	4.61E+06	4.84E+06	5.07E+06	5.30E+06	5.53E+06
70	3.64E+06	3.85E+06	4.06E+06	4.28E+06	4.49E+06	4.71E+06	4.92E+06	5.13E+06
75	3.39E+06	3.59E+06	3.79E+06	3.99E+06	4.19E+06	4.39E+06	4.59E+06	4.79E+06
80	3.18E+06	3.37E+06	3.56E+06	3.74E+06	3.93E+06	4.12E+06	4.31E+06	4.49E+06
85	3.00E+06	3.17E+06	3.35E+06	3.52E+06	3.70E+06	3.88E+06	4.05E+06	4.23E+06
90	2.83E+06	3.00E+06	3.16E+06	3.33E+06	3.49E+06	3.66E+06	3.83E+06	3.99E+06
95	2.68E+06	2.84E+06	3.00E+06	3.15E+06	3.31E+06	3.47E+06	3.63E+06	3.78E+06
100	2.55E+06	2.70E+06	2.85E+06	3.00E+06	3.14E+06	3.29E+06	3.44E+06	3.59E+06

Gallons of Water	Ounces of Varnimo® WSP							
	25	26	27	28	29	30	31	32
	CFU Counts per Acre							
25	1.50E+07	1.56E+07	1.62E+07	1.68E+07	1.74E+07	1.80E+07	1.86E+07	1.92E+07
30	1.25E+07	1.30E+07	1.35E+07	1.40E+07	1.45E+07	1.50E+07	1.55E+07	1.60E+07
35	1.07E+07	1.11E+07	1.16E+07	1.20E+07	1.24E+07	1.28E+07	1.33E+07	1.37E+07
40	9.36E+06	9.73E+06	1.01E+07	1.05E+07	1.09E+07	1.12E+07	1.16E+07	1.20E+07
45	8.32E+06	8.65E+06	8.99E+06	9.32E+06	9.65E+06	9.98E+06	1.03E+07	1.06E+07
50	7.49E+06	7.79E+06	8.09E+06	8.39E+06	8.69E+06	8.99E+06	9.29E+06	9.58E+06
55	6.81E+06	7.08E+06	7.35E+06	7.62E+06	7.90E+06	8.17E+06	8.44E+06	8.71E+06
60	6.24E+06	6.49E+06	6.74E+06	6.99E+06	7.24E+06	7.49E+06	7.74E+06	7.99E+06
65	5.76E+06	5.99E+06	6.22E+06	6.45E+06	6.68E+06	6.91E+06	7.14E+06	7.37E+06
70	5.35E+06	5.56E+06	5.78E+06	5.99E+06	6.20E+06	6.42E+06	6.63E+06	6.85E+06
75	4.99E+06	5.19E+06	5.39E+06	5.59E+06	5.79E+06	5.99E+06	6.19E+06	6.39E+06
80	4.68E+06	4.87E+06	5.05E+06	5.24E+06	5.43E+06	5.62E+06	5.80E+06	5.99E+06
85	4.40E+06	4.58E+06	4.76E+06	4.93E+06	5.11E+06	5.29E+06	5.46E+06	5.64E+06
90	4.16E+06	4.33E+06	4.49E+06	4.66E+06	4.83E+06	4.99E+06	5.16E+06	5.32E+06
95	3.94E+06	4.10E+06	4.26E+06	4.41E+06	4.57E+06	4.73E+06	4.89E+06	5.04E+06
100	3.74E+06	3.89E+06	4.04E+06	4.19E+06	4.34E+06	4.49E+06	4.64E+06	4.79E+06

2.0*10e9/gram
 1 oz = 28.349556839727 g
 1 US gal = 3,785.411784 g
 1 ml = 1 g

Spray Applications: Varnimo® WSP [this product] may be applied using most standard spray nozzles. Prepare spray solution by diluting Varnimo® WSP [this product] with water. Agitate the solution until product is completely suspended. Apply directly to foliage, soil or turf. After application of Varnimo® WSP [this product] to foliage, irrigate to remove product from foliage and to ensure it reaches the soil. Continue irrigation to wet the upper 4 inches of soil. Apply 3-32 ounces Varnimo® WSP [this product] in a minimum of 25 gallons of water per acre.

Phytotoxicity: Varnimo® WSP's [This product's] suspension has been evaluated for phytotoxicity on a range of crops and turfgrasses and no phytotoxicity has been observed. However, due to the number of species and cultivars of crops and turfgrass, it is impossible to test every one for tolerance to Varnimo® WSP [this product]. The user must determine if Varnimo® WSP [this product] may be used safely prior to widespread use by first testing the prescribed rates for phytotoxicity on a small area. Before using Varnimo® WSP [this product] in tank mixtures with other products and adjuvants, first test each mixture for phytotoxicity on a small area prior to widespread use. Follow the most restrictive of the labeling limitations and precautions of all products used in each mixture. For further detailed application information contact the [local] LidoChem, Inc. {or other appropriate company} representative or call 1-732-888-8000 {or other appropriate number}.

Use of Fungicides Prior to or Following Treatment with Varnimo® WSP [This Product]

The active ingredient in Varnimo® WSP [This product] is not a species of fungus. Fungicides, other than those containing hydrogen peroxide or hydrogen dioxide, may be used prior to or following treatment with Varnimo® WSP [this product], if necessary, without compromising the efficacy of Varnimo® WSP [this product].

Suppresses Fungal Pathogens such as:

<i>Alternaria</i> leaf spot (<i>Alternaria alternata</i>)	Head and leaf drop (<i>Sclerotinia</i> spp.)
Anthracnose (<i>Colletotrichum</i> and <i>Glomerella</i> spp.)	Late blight (<i>Phytophthora infestans</i>)
Bitter rot (<i>Colletotrichum</i> spp.)	Leaf and fruit spots (<i>Cercospora</i>)

Black root/crown rot (<i>Alternaria</i> spp.)	Leaf spots and smuts (<i>Alternaria</i> and <i>Cercospora</i> spp.)
Black scurf (<i>Rhizoctonia solani</i>)	Mummy berry (<i>Monilinia vaccinii-corymbosi</i>)
Black shank (<i>Phytophthora</i> spp.)	Neck rot, leaf blight (<i>Botrytis</i> spp.)
Blue mold or downy mildew (<i>Peronospora</i> spp.)	<i>Phytophthora</i> spp.
Botrytis blight (<i>Botrytis cinerea</i>)	Pink rot (<i>Sclerotinia sclerotiorum</i>)
Bottom rot (<i>Rhizoctonia solani</i>)	Postbloom fruit drop (<i>Colletotrichum acutatum</i>)
Brown rot (<i>Monilinia</i> spp.)	Powdery mildew (<i>Erysiphe</i> and <i>Peronospora</i> spp.)
Brown rot blossom blight (<i>Monilinia laxa</i>)	Purple blotch (<i>Alternaria</i> spp.)
Brown spot (<i>Alternaria</i> spp., <i>Septoria glycines</i>)	<i>Pythium</i> spp.
Cavity spot (<i>Pythium</i> spp.)	<i>Rhizoctonia</i>
Cercospora leaf spot (<i>Cercospora</i> spp.)	Rust (<i>Puccinia</i> spp.)
Cercospora berry blotch	Sheath spot and blight (<i>Rhizoctonia oryzae</i> (Anamorph: <i>Rhizoctonia solani</i>))
Charcoal rot (<i>Macrophomina phaseolina</i>)	
Coffee berry disease (<i>Colletotrichum coffeanum</i>)	Sooty blotch disease complex
Collar rot (<i>Sclerotinia sclerotiorum</i>)	Sour rot complex
Downy mildew (<i>Bremia lactucae</i> , <i>Peronospora</i> , <i>Plasmopara</i> and <i>Pseudoperonospora</i> spp.)	Southern blight/southern stem rot (<i>Sclerotium rolfsii</i>)
	Stem rot (<i>Sclerotium oryzae</i> , <i>Magnaporthe</i> spp.)
Early blight (<i>Alternaria solani</i>)	Target spot (<i>Rhizoctonia solani</i>)
Fruit rots (<i>Alternaria</i> , <i>Botrytis</i> and other spp.)	<i>Verticillium</i> spp.
<i>Fusarium</i> spp.	Vine decline (<i>Monosporascus cannonballus</i>)
Gray mold (<i>Botrytis cinerea</i>)	White mold (Sclerotinia stem rot: <i>Sclerotinia sclerotiorum</i>)
Gummy stem blight (<i>Didymella bryoniae</i> and <i>Phoma cucurbitacearum</i>)	

Product Information: Plant Growth Promoter

Varnimo® WSP [This product] is a Plant Growth Promoter used for enhancing root development [and crop production] on bushes, crops, herbs, spices, ornamentals, shrubs, trees (forest and shade), turf, vegetables and vines. Varnimo® WSP [This product] helps establish a vigorous root system, which often results in more uniform foliage and overall enhanced plant health. Apply Varnimo® WSP [this product] to field soil, to planting substrate, to solid absorbent soil amendments and directly on propagation material.

Varnimo® WSP [this product] contains viable microorganisms whose survivability and activity depend on an available nutritional source in the form of organic matter. Accordingly, it is recommended that products such as LidoChem KaPre® Soil Amendments and Fertilizer Additives {or other brand names as appropriate}, that provide organic matter, as well as nutritional supplements for biological activity, be applied as pre-planting, at-planting and post-planting amendments.

Application Instructions and Rates for Use as a Plant Growth Promoter

Varnimo® WSP [This product] may be used on all crops, ornamentals and turf at the following rates:

Foliar Application: Apply 3-32 ounces Varnimo® WSP [this product] in a minimum of 25 gallons of water per acre.

Drench and Drip Irrigation Applications: Apply 3-32 ounces Varnimo® WSP [this product] in a minimum of 25 gallons of water.

Spray Applications: Varnimo® WSP [this product] may be applied using most standard spray nozzles. Prepare spray solution by diluting Varnimo® WSP [this product] with water. Agitate the solution until product is completely suspended. Apply directly to foliage, soil or turf. After application of Varnimo® WSP [this product] to foliage, irrigate to remove product from foliage and to ensure it reaches the soil. Continue irrigation to wet the upper 4 inches of soil.

Transplants (including plugs): Apply Varnimo® WSP [this product] to transplants by dipping or drenching making sure the root system is thoroughly soaked. For dipping, follow the instructions for "Cutting and Root Dips" before

planting transplants into soil medium. For drenching, first plant the transplants into soil medium and then follow instructions for "Drenching". Apply 3-32 ounces Varnimo® WSP [this product] in a minimum of 25 gallons of water.

Drenching: Apply Varnimo® WSP [this product] to seedlings or to newly rooted cuttings. Drench plants with Varnimo® WSP's [this product's] suspension making sure the root system is thoroughly soaked, allowing Varnimo® WSP [this product] to work into the root zone. Apply 3-32 ounces Varnimo® WSP [this product] in a minimum of 25 gallons of water.

Cutting and Root Dips: Stir suspension for several minutes to ensure complete mixture and to eliminate clumps. Place rootstock in the suspension for five to ten minutes, allowing time for Varnimo® WSP [this product] to penetrate the root zone. For ornamentals, apply at least one follow-up drench treatment 2-3 weeks following initial treatment. Apply 3-32 ounces Varnimo® WSP [this product] in a minimum of 25 gallons of water.

Tree Injection: For pressurized injections, with the outlet valve open, connect the tank to the inlet valve and begin pumping solution until all air bubbles come out of the outlet valve. Direct the solution into a container and return the solution to the tank. Shut off the outlet valve. Pressurize tank to 20 to 30 psi. Check for leaks and gently tap in tees if necessary. Maintain continuous pressure on the injection system until the full amount of solution is in the tree. After injection is complete, remove injection tees and leave drill holes unplugged. A water flush to cleanse the hole will assist with wound closure. Replace soil around the tree. It is not necessary to treat the drill holes with wound paint or other sealing compounds. Apply 3-32 ounces Varnimo® WSP [this product] in a minimum of 25 gallons of water.

Contact your local extension agent for more details on tree injection. The injection system described above is meant as an example; refer to manufacturer's instructions when using other types of tree injection systems. {Other manufacturer's instructions may be substituted for the instructions provided above.}

New Turf Grow-Ins: Optimal results are obtained by making the first application 2-7 days prior to seeding, sprigging, laying sod or at the time of seeding, sprigging or sodding. Maintain soil moisture until seeds, sprigs or sod are installed. Apply 3-32 ounces Varnimo® WSP [this product] in a minimum of 25 gallons of water.

Cool Season and Warm Season Turf: Optimal results are obtained by making the first application before the first flush of roots. Apply 3-32 ounces Varnimo® WSP [this product] in a minimum of 25 gallons of water.

Hydroponics: Prepare a stock solution by adding 0.25–0.75 ounces of Varnimo® WSP [this product], for every 50 feet of irrigation tubing, in 1 gallon of water. Stir product for several minutes to ensure complete suspension. Add solution to circulating water system and circulate through 3-5 watering cycles before clearing the system. For best results, make 2 or 3 weekly applications.

Soil Incorporation: Mix Varnimo® WSP [this product] into soil or soilless growing media at a rate of 0.5-2 ounces per cubic yard. Thoroughly mix media, using mechanical mixing equipment, to ensure uniform distribution of the product. Incorporated into soil, Varnimo® WSP [this product] may be raked into growing beds prior to planting.

Phytotoxicity: Varnimo® WSP's [This product's] suspension has been evaluated for phytotoxicity on a range of crops and turfgrasses and no phytotoxicity has been observed. However, due to the number of species and cultivars of crops and turfgrass, it is impossible to test every one for tolerance to Varnimo® WSP [this product]. The user must determine if Varnimo® WSP [this product] may be used safely prior to widespread use by first testing the prescribed rates for phytotoxicity on a small area. Before using Varnimo® WSP [this product] in tank mixtures with other products and adjuvants, first test each mixture for phytotoxicity on a small area prior to widespread use. Follow the most restrictive of the labeling limitations and precautions of all products used in each mixture. For further detailed application information contact the [local] LidoChem, Inc. {or other appropriate company} representative or call 1-732-888-8000 {or other appropriate number}.

(The following crops/plants may be displayed in multiple formats, depending upon market label requirements.)

Varnimo® WSP [This product] Used as a Fungicide [Plant Growth Promoter] Plant/Crop List

Varnimo® WSP [This product] may be used on the following crops/plants indoors, outdoors and in greenhouses:

Berry and Small Fruits	Including but not limited to Blackberry, Blueberry, Cranberry, Currant (black or red), Dewberry, Elderberry, Gooseberry, Huckleberry, Kiwifruit, Mulberry, Raspberry and Strawberry
Brassica (Cole) Leafy Vegetables	Including but not limited to Broccoli, Brussel sprouts, Cabbage, Chinese cabbage (Bok Choy), Cauliflower, Collards, Kale, Kohlrabi and Mustard greens
Bulb Vegetables	Including but not limited to Garlic, Leeks, Onions and others
Citrus Fruits	Including but not limited to Grapefruit, Kumquat, Lemons, Limes, Oranges, Pummelo, Tangerine (Mandarin) and Tangelos
Cucurbit Vegetables	Including but not limited to Cantaloupe, Cucumbers, Gourds, Muskmelons, Pumpkins, Squash (all) and Watermelons
Fruiting Vegetables (except Cucurbits)	Including but not limited to Eggplant, Okra, Peppers, Tomatillos and Tomatoes
Herbs and Spices	Including but not limited to Allspice, Anise, Balm, Basil, Bedding plants, Borage, Caraway, Catnip, Chives, Coriander, Cumin, Dill, Fennel, Hyssop, Lavender, Lemongrass, Marjoram, Mints, Nutmeg, Oregano, Parsley, Pennyroyal, Pepper, Rosemary, Sage, Savory, Tarragon, Thyme and Wintergreen
Leafy Vegetables (except Brassica Vegetables)	Including but not limited to Celery, Endive, Head and leaf lettuce, Rhubarb, Spinach and Swiss chard
Legume Vegetables (succulent or dried)	Including but not limited to Beans, Guar, Lentils, Peas and Soybeans
Other Crops	Including not but limited to Alfalfa, Avacado, Banana, Bedding plants, Coconut, Coffee, Corn (field, pop and sweet), Edible flowers, Guava, Hops, Jicama, Jucabbu, Lupin, Lychee, Mushrooms, Nursery crops, Papaya, Persimmon, Pineapple, Plantains, Pomegranate, Seed beds, Seedling plants, Wasabi and Wheat
Ornamentals	Including but not limited to Abutilon, Achillea, Actinopterus, African violet, Ageratum, Aglaonema, Ajuga, Allamanda, Allium, Alocasia, Alyssum, Amaryllis, Anemone, Annuals (ornamental), Anthurium, Aphelandra, Aralia, Artemisia, Aster, Azalea, Baby's breath, Bachelors button, Bedding plants, Beefsteak plant, Begonia, Bird of Paradise, Bleeding heart, Bougainvillea, Bromeliad, Bulbs, Buttercup, Butterfly bush, Cactus, Caladium, Calathea, Calceolaria, Calendula, Calla lily, Calliandra, Campanula, Candy-Tuft, Carnation, Celosia, Centaurea, Cerastium, Chinese chrysanthemum, Cineraria, Cockscomb, Coeus, Columbine, Coral, Crocus, Coreopsis, Cosmos, Crossandra, Croton, Crown of Thorns, Cultivated greens, Cut florist greens, Cut flowers, Cuttings, Cyclamen, Daffodils, Dahlia, Daisy, Daylily, Delphinium, Dianthus, Dieffenbachia, Dizygotheca, Dracena, Duster miller, Easter lily, Esheveria, Episcia, Euonymus, Euphorbia, Evergreen grass (ornamental), Exacum, False dragonhead, Fatsia, Ferns, Ficus, Fittonia, Foliage plants, Foxglove, Freesia, Fuchsia, Gaillardia, Gardenia, Gazania, Geraniu, Gerbera, Geum, Gladiolus, Gloxinia, Grape, Ground covers, Gymura, Gyposophila, Hedera, Hibiscus, Hollyhock bells,

	Honeysuckle, Hosta (Plantain lily), Hoya (Wax plant), Hyacinth, Hydrangea, Ice plant, Impatiens, Iris, Ivy (Algerian and English), Jasmine, Jassamine, Kalachoe, Lantana, Liatris, Lily, Liriope, Lobelia, Loosestrile, Lupine, Manvilla, Maple (flowering), Marigold, Monarda, Mondo grass, Morea (yellow), Myrtle, Narcissus, Nasturtium, Nigella, Nursery crops, Ophiopogon, Orchid, Ornithogalum, Osmanthus, Oxalis, Pachysandra, Pansy, Pelargonium, Peony, Peperomia, Periwinkle, Petunia, Philodendrum, Photinia, Pilea, Pinks, Pittosporum, Plugs, Podocarpus, Poinsettia, Poppy, Portulaca, Potentilla, Pothos, Potted flowering plants, Prayer plant, Primrose, Pyracantha, Ranunculus, Rhododendron, Rose, Rosemary, Rubber plant, Rudbeckia, Saintpaulia, Salvia, Sansevieria, Schefflera, Scilla, Sedum, Seed beds, Seedling plants, Sempervivum, Senecio, Shrubs, Sinningia, Snapdragon, Spathiphyllum, Stachys, Statice, Stock, Stokesia, Strawberry (wild), Strawflower, Sweet pea, Sweet William, Syngonium, Tulip, Verbena, Veronica, Vinca, Violet, Virginia creeper, Wandering Jew, Wall flower, Wisteria, Yarrow, Yucca and Zinnia
Pome Fruits	Including but not limited to Apple, Crabapple, Loquat, Mayhaw, Pear and Quince
Root, Tuber and Corm Vegetables	Including but not limited to Artichokes, Artichoke (Jerusalem), Beets, Carrots, Cassava, Celeriac, Chicory, Ginseng, Horseradish, Parsnips, Potatoes, Radishes, Rutabagas, Salsify, Sweet potatoes, Taro, Turnips and Yams
Shade and Forest Trees	Including but not limited to Acacia, Alder, Ash, Aspen, Basswood, Bedding plants, Beech, Birch, Buckeye, Butternut, Catalpa, Cedar, Chamaecyparis, Cherry (wild), Chestnut, Christmas trees, Conifers, Cottonwood, Crabapple, Cuttings, Cypress, Dogwood, Douglas fir, Elder, Elm, Fir, Forest seedlings, Forest trees, Gingko, Gum, Hackberry, Hawthorn, Hemlock, Hickory, Holly, Hornbeam, Ironwood, Juneberry, Juniper, Larch, Linden, Locust, Magnolia, Maple, Mimosa, Mulberry, Myrtle, Nursery crops, Oak, Palm, Paw Paw, Pine, Poplar, Privet, Quince, Redbud, Redwood, Sassafras, Sourwood, Spruce, Sumac, Sycamore, Tamarack, Tulip tree, Willow and Yellowwood
Shrubs	Including but not limited to Abelia, Andromeda, Arborvitae, Aucuba, Azalea, Bamboo, Barberry, Beauty bush, Bedding plants, Blueberry (ornamental), Bog rosemary, Bottlebrush, Boxwood, Bridal wreath, Broom, Buckthorn, Camellia, Carob heath, Caranaga, Carex, Ceanothus, Cleypora, Cordyline, Crape myrtle, Cotoneaster, Cuttings, Daphne, Deutzia, Elderberry, Escallonia, Eugenia, Euonymus, Fig mock, Firethorn, Forsythia, Fuchsia, Guava, Hawthorn, Heather, Hickory, Holly, Hibiscus, Hydrangea, Indian Hawthorne, Juniper, Laurel, Leucothoe, Lilac, Liqustrum, Lippia, Manzanita, Nandina, Nursery crops, Oleander, Orange, Oregon grape, Osmanthus, Pachistima, Pachysandra, Photina, Pittosporum, Podocarpus, Poinciana, Privet, Pyracantha, Quince (ornamental), Rhamnus, Rhododendron, Rockrose, Rose, Santolina, Snowberry, Spicebrush, Spirea, St. Johnswort, Viburnum, Wax myrtle, Weigla and Yew

Stone Fruit	Including but not limited to Apricot, Cherry (sour and sweet), Nectarine, Peach, Plum, Prune and Plumcot
Tree Nuts	Including but not limited to Almond, Beechnut, Brazil nut, Butternut, Cashew, Filberts (hazelnuts), Macadamia, Pecans, Pistachio and Walnut (black and English)
Turf	Including but not limited to Athletic fields, Bahiagrass, Bedding plants, Bentgrass, Bermudagrass, Bluegrass (Kentucky), Carpetgrass, Centipedegrass, Dichondra, Fescue, Golf course (fairways, greens, roughs and tees), Lawns (commercial, industrial, institutional and residential), Nursery crops, Parks, Ryegrass (annual and perennial), Sod farms, St. Augustinegrass, Turf (commercial, newly plugged and newly sodded) and Zoysiagrass

Product Information: Nematode Suppressant

Varnimo® WSP [This product] may be used as a nematode suppressant on selected pathogenic nematodes on vegetables, trees, vines, bushes, herbs, spices and other crops, ornamentals, shrubs, shade and forest trees and turf. [Apply Varnimo® WSP [this product] as early as possible in the life cycle of the plant to enhance nematode suppression.] [Apply Varnimo® WSP [this product] as early as possible in the life cycle of the plant to enhance disease resistance and disease/nematode suppression.]

Varnimo® WSP [This product] contains *Bacillus amyloliquefaciens* strain PTA-4838, a chitinase-, protease- and lipase-producing soil bacterium that can be efficacious for biological control against pathogenic nematodes, in particular juveniles and eggs. In view of the successive layers of protein, chitin and lipid embodied in the nematode egg, the potential for egg suppression is likely, with the consequent reduction of nematode populations. This could further result in the reduction of cyst and gall formations. Varnimo® WSP [This product] helps establish a vigorous root system, which often results in more uniform foliage and overall enhanced plant health.

Varnimo® WSP [This product] may be applied alone, in combination and/or rotation with chemical nematicides as a tool for integrated pest management in agricultural crops, ornamentals, nursery plants and turfgrass. Varnimo® WSP [This product] offers a valuable tool for management of chemical pesticides' resistance through its multiple and unique modes of action.

Application Rates for Use as a Nematode Suppressant

Varnimo® WSP [This product] may be used on all crops, ornamentals and turf at the following rates:

Foliar Application: Apply 3-32 ounces Varnimo® WSP [this product] in a minimum of 25 gallons of water per acre.

Drench and Drip Irrigation Applications: Apply 3-32 ounces Varnimo® WSP [this product] in a minimum of 25 gallons of water.

Spray Applications: Varnimo® WSP [this product] may be applied using most standard spray nozzles. Prepare spray solution by diluting Varnimo® WSP [this product] with water. Agitate the solution until product is completely suspended. Apply directly to foliage, soil or turf. After application of Varnimo® WSP [this product] to foliage, irrigate to remove product from foliage and to ensure it reaches the soil. Continue irrigation to wet the upper 4 inches of soil. Apply 3-32 ounces Varnimo® WSP [this product] in a minimum of 25 gallons of water per acre.

Phytotoxicity: Varnimo® WSP's [This product's] suspension has been evaluated for phytotoxicity on a range of crops and turfgrasses and no phytotoxicity has been observed. However, due to the number of species and cultivars of crops and turfgrass, it is impossible to test every one for tolerance to Varnimo® WSP [this product]. The user must determine if Varnimo® WSP [this product] may be used safely prior to widespread use by first testing the prescribed rates for phytotoxicity on a small area. Before using Varnimo® WSP [this product] in tank mixtures with other products and adjuvants, first test each mixture for phytotoxicity on a small area prior to widespread use. Follow the most restrictive of the labeling limitations and precautions of all products used in each mixture. For further detailed application information contact the [local] LidoChem, Inc. {or other appropriate company} representative or call 1-732-

888-8000 {or other appropriate number}.

Suppresses Pathogenic Nematodes such as:

Bulb, Citrus, Cyst, Dagger, Lance, Lesion, Reniform, Ring, Root Knot, Sheath, Spiral, Stem, Sting, Stubby Root, Stunt and Sugar Beet Cyst.

Instructions for Nematode Suppression Applications

Crop	Nematode Pest	Application [Use] Instructions
Alfalfa	Cyst, Lesion, Root Knot, Sting	Apply via drench or in furrow.
Brassica (Cole) vegetables such as Broccoli, Cabbage, Cauliflower and Collards	Lesion, Root Knot, Spiral, Stunt, Sugar Beet Cyst	2-4 applications: Apply via drench or drip irrigation at planting/transplanting with additional applications every 2-4 weeks.
Bulb vegetables such as Garlic, Leeks and Onions	Bulb, Stem	
Citrus fruits such as Grapefruit, Lemons, Mandarin, Oranges, Tangelos and Tangerines	Citrus, Lesion, Sting	2-4 applications: Apply via drench or drip irrigation at the start of spring growth and again at harvest, with additional applications during times of high stress.
Corn, sweet	Cyst, Lesion, Root Knot, Sting	Apply via drench or in furrow.
Cotton	Reniform, Root Knot	Apply in furrow and again mid-season.
Cucurbit vegetables such as Cucumbers, Muskmelons, Pumpkins, Squash and Watermelons	Reniform, Root Lesion, Root Knot	2-4 applications: Apply via drench or drip irrigation at planting/transplanting with additional applications every 2-4 weeks.
Fruiting vegetables (except Cucurbits) such as Eggplant, Peppers and Tomatoes	Root Knot, Sting	2-4 applications: Apply via drench or drip irrigation at planting with additional applications every 2-4 weeks.
Grains , including but not limited to: Wheat and Field Corn	Cyst, Lesion, Root Knot, Sting	Apply via drench or in furrow at planting.
Grapes: Table and Wine	Citrus, Dagger, Lesion, Ring, Root Knot	2-4 applications: Apply via drench or drip irrigation at the start of spring growth and again at harvest with additional applications during times of high stress.
Herbs and spices such as Basil, Chive, Fennel, Mustard, Parsley, Rosemary and Sage	Lesion, Root Knot, Spiral, Stunt, Sugar Beet Cyst	2-4 applications: Apply via drench or drip irrigation at planting/transplanting with additional applications every 2-4 weeks.
Leafy vegetables (except <i>Brassica</i> vegetables) such as Celery, Endive, Lettuce, Parsley and Spinach	Lesion, Root Knot, Spiral, Stunt, Sugar Beet Cyst	
Legume vegetables (succulent or dried) such as Beans, Peas and Soybeans	Cyst, Lesion, Root Knot, Sting	Apply via drench or in furrow at planting.
Ornamentals: Container grown	Root Knot	Apply via drip irrigation at planting, then

Crop	Nematode Pest	Application [Use] Instructions
seedlings		every 30 days.
Ornamentals: Deciduous, coniferous trees and shrubs	Dagger, Lance, Lesion, Ring, Root Knot, Spiral, Stubby Root, Stunt	Apply via drip irrigation or drench every 2-4 weeks throughout the growing season. For new plantings, apply to the root zone at planting or up to 5 days before planting, then every 30 days.
Ornamentals: Field and bulbs	Bulb, Root Knot, Stem	Apply via drip irrigation or drench every 30 days throughout the growing season. For new plantings, apply to the root zone at planting or up to 5 days before planting, then every 2-4 weeks.
Ornamentals: Greenhouse	Bulb, Root Knot, Stem	Apply via drip irrigation at planting then every 2-4 weeks.
Ornamentals: Root dip for bare root seedlings	Root Knot	Apply just prior to planting.
Pome fruits: such as Apples and Pears	Dagger, Ring, Root Knot, Root Lesion	2-4 applications: Apply via drench or drip irrigation at the start of spring growth and again at harvest with additional applications during times of high stress.
Root vegetables such as Carrots, Radishes and Sugar Beets	Bulb, Root Knot, Stem, Sugar Beet Cyst	2-4 applications: Apply via drench or drip irrigation at planting/transplanting with additional applications every 2-4 weeks.
Stone fruits such as Apricots, Cherries, Nectarines, Peaches and Plums	Ring	2-4 applications: Apply via drench or drip irrigation at the start of spring growth and then again at harvest with additional applications during times of high stress.
Strawberries	Root Knot	2-4 applications: Apply via drench or drip irrigation pre-bloom and at times of high stress.
Tree nuts such as Almonds, Hazelnuts, Pecans, Pistachios and Walnuts	Dagger, Lesion, Ring, Root Knot	2-4 applications: Apply via drench or drip irrigation at the start of spring growth and again at harvest with additional applications during times of high stress.
Tuberous vegetables such as Potatoes, Sweet Potatoes and Yams	Lance, Reniform, Root Knot, Sting	3 applications: Apply in furrow or drench at planting, at first hilling, and, again at second hilling.
Turf: Fairways, greens and tees	Cyst, Lance, Lesion, Root Knot, Sheath, Spiral, Sting, Stubby Root, Stunt	Apply every 7 days for 2-3 weeks then apply every 14-28 days
Turf: Recreational	Spiral, Sting, Stunt	Apply every 14-28 days

{Note: The above grid format will be used if market label space permits; otherwise a paragraph format will be used.}

Fungicide [Plant Growth Promoter] [Nematode Suppression] Mixing Instructions

Thoroughly pre-mix Varnimo® WSP [this product] with water to ensure a properly concentrated suspension. Mix the necessary amount of Varnimo® WSP [this product] with one-third the desired final volume of water. When the suspension is thoroughly mixed add the remaining water.

Apply contents of entire suspension within a few hours of mixing to ensure viability of Varnimo® WSP [this product]. For best results, agitate final suspension immediately before application to ensure complete and even suspension of product. Apply as a water-based suspension of adequate volume to distribute spores uniformly. The volume of suspension will vary according to crops/plants being treated. For further detailed application information contact the [local] LidoChem, Inc. {or other appropriate company} representative or call 1-732-888-8000 {or other appropriate number}.

Frequency of Application

Apply Varnimo® WSP [this product] at the beginning of the irrigation cycle to enable the remainder of the irrigation water to incorporate Varnimo® WSP [this product] throughout the root zone. Apply Varnimo® WSP [this product] to plants every 1-4 weeks, as needed, for up to 4-24 applications.

Chemigation

Only apply Varnimo® WSP [this product] through drip (trickle) irrigation systems. Do not apply Varnimo® WSP [this product] through any other type of irrigation system. Crop injury, lack of effectiveness or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. If you have questions about calibration, contact State Extension Service specialists, equipment manufacturers or other experts. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system. A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise. Refer to the **Mixing Instructions** above when preparing the chemigation mixture. Apply Varnimo® WSP [this product] for the duration of the water application.

For Sprinkler Chemigation:

- The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- Do not apply when wind speed favors drift beyond the area intended for treatment.

For Drip (Trickle) Chemigation:

- The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Requirements for Flood (Basin), Furrow and Border Chemigation

- Systems using a gravity flow pesticide dispensing system must meter the pesticide into the water at the head of the field and downstream of a hydraulic discontinuity such as a drop structure or weir box to decrease potential for water source contamination from back flow if water flow stops.
- Systems utilizing a pressurized water and pesticide injection system must meet the following requirements:
 1. The system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow.
 2. The pesticide injection pipeline must contain a functional, automatic, quick closing check valve to prevent the flow of fluid back toward the injection pump.
 3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank—when the irrigation system is either automatically or manually shut down.
 4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
 5. The irrigation line or water pump must include a functional pressure switch, which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
 6. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Notification of Possible Admixes

Varnimo® WSP [this product] is generally part of a formulation or mixture. These formulations, as a rule, contain an inert support and/or an inert surfactant in addition to active material. These inert admixes are dictated by local and cultural practices. These inert supports facilitate the application of Varnimo® WSP [this product] to the plant or soil and aid in its transportation and handling. Inert surfactants include ionic or non-ionic emulsifiers, dispersants, wetting agents, vermicompost extracts, fatty acids or fatty amines. If desired, prepare Varnimo® WSP [this product] solutions to include a penetration agent, adhesive, anti-lumping agent and/or colorant.

Other Possible Inert Additives May Include

- A carbon skeleton component: Water-soluble carbohydrates such as sucrose, fructose, glucose or other mono-, di- and oligosaccharides are suitable.
- A macronutrient component: The macronutrients are essential to nutrition and growth. The most important macronutrients are N, P and K. Nitrogen sources include: nitric acid salts, ammonium salts, urea, methylene ureas, amino acids, proteins and nucleic acids. Phosphate sources include salts of phosphorus acid. Potassium sources include potassium salts.
- A micronutrient component: The most important micronutrients are salts of Zn, Fe, Cu, Mn, B, Co and Mo.
- Complexing agents: The following inert materials serve as anti-precipitation agents: citric acid, fulvic acid, humic acids, EDTA, EDDA, EDDHA, HEDTA, LPCA, MEA, IDS and EDDS.

Storage and Disposal

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Varnimo® WSP [This product] consists of living microbes. Store in cool, dry conditions. Do not freeze. Tightly close opened packages.

Pesticide Disposal: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Container Handling: Non-refillable container. Do not reuse or refill this container. Completely empty bag into application equipment then offer bag for recycling, if available, or dispose of empty bag in a sanitary landfill or by incineration [or, if allowed by state and local authorities, by burning. If burned, stay out of smoke].

{Batch Code/Lot Number will appear either on the label or the container per PR Notice 2007-4.}

WARRANTY STATEMENT

WARRANTY: The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. LidoChem, Inc. warrants that at the time of the first sale of this product it conforms to the chemical description on the label and when used according to the label directions under normal growing conditions is reasonably fit for the purposes referred to above. Buyers/Users of this product assume full risk for any use contrary to the specified directions. If this product does not perform as warranted above and to the extent consistent with applicable law, customers sole remedy for breach of warranty shall be replacement of the product or refund of the purchase price paid, at the option of LidoChem, Inc. EXCEPT AS PROVIDED ELSEWHERE IN WRITING CONTAINING AN EXPRESS REFERENCE TO THIS WARRANTY AND LIMITATION OF DAMAGES, SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OR GUARANTEE TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, INCLUDING ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY, AND NO AGENT OF SELLER IS AUTHORIZED TO DO SO.

Varnimo is a registered trademark of LidoChem, Inc.

{Marketing Claims}

For Plant Strengthening, Growth Enhancement and Suppression of Certain Diseases
Nematode Suppressant
Plant Growth Promoter

{End of Marketing Claims}

[] Denotes optional/alternate language.

{ } Denotes language that will not appear on market labeling.

{Subpart B Label: For Residential Use}

{Affixed Booklet – Front Panel}

Varnimo® WSP

[[Select marketing claims from “Marketing Claims” section]]

Active Ingredient:

Bacillus amyloliquefaciens strain PTA-4838* 0.29%

Other Ingredients 99.71%

Total 100.00%

*Contains a minimum of 2 x 10⁹ Colony Forming Units (CFU)/gram of product.

Keep Out of Reach of Children

CAUTION/PRECACIÓN

[Si usted no entiende la etiqueta, busque a alguien para que la explique a usted en detalle.

(If you do not understand the label, find someone to explain it to you in detail).]

See inside for First Aid, additional Precautionary Statements and complete Directions for Use.

For Product Use Information Call 1-732-888-8000 {or other appropriate number}

For spill, leak, fire, exposure or accident, call Chemtrec at 1-800-424-9300

IMPORTANT: Read the entire label before using this product.

Net Weight: _____ pounds (_____ kg)

Manufactured for and Guaranteed by:
 LidoChem, Inc.
 20 Village Court Hazlet, NJ 07730
 [1-732-888-8000]

EPA Reg. No. 70644-O
 EPA Est. _____
 Made in [the] U.S.A. [USA]

[Batch Code: {Batch code to be inserted}].

{Affixed Booklet – Inside Panels}

First Aid

If Inhaled:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for treatment advice.
If on Skin or Clothing:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Immediately rinse skin with plenty of water for 15-20 minutes. • Call a poison control center or doctor for further treatment advice.

Hotline Number: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including general health concerns or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378, Monday through Friday, 8:00 AM to 12:00 PM Pacific Time. In the event of a medical emergency, call the poison control center at 1-800-222-2222.

{Note: The First Aid statements' grid format will be used if market label space permits; otherwise a paragraph format will be used.}

PRECAUTIONARY STATEMENTS

Hazards to Humans & Domestic Animals

CAUTION: Harmful if inhaled or absorbed through skin. Avoid breathing dust or spray mist. Avoid contact with skin or clothing. Remove and wash contaminated clothing before reuse. Thoroughly wash with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Environmental Hazards

To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run-off to water bodies or drainage systems.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Product Information

Varnimo® WSP [This product] is a fungicide used for suppression of fungal plant diseases on home garden plants, lawn and other turfgrass areas. Varnimo® WSP [This product] is a Plant Growth Promoter used for enhancing root development [and plant production] on bushes, plants, herbs, spices, ornamentals, shrubs, trees (forest and shade), turf, vegetables and vines. Varnimo® WSP [This product] helps establish a vigorous root system, which often results in more uniform foliage and overall enhanced plant health. Apply Varnimo® WSP [this product] only to soil, planting substrate, solid absorbent soil amendments and propagation material. Varnimo® WSP [This product] controls anthracnose, gray mold, leaf spots, powdery mildew and other diseases affecting flowers, fruit, leaves and other above-ground plant parts of home garden plants.

Home and Garden Application Instructions

Varnimo® WSP [This product] may be applied to lawns and gardens by adding the desired amount of solution into the feeder jar of a hose-end sprayer, a pressure (pump) sprayer or watering can. Use higher rates early in the season or when heavy infestation is known or anticipated. Use lower rates later in the season when populations begin to decline. Apply Varnimo® WSP [this product] solution to only the soil. Mix 4-8 ounces of Varnimo® WSP [this product] for every 10 gallons of water. Apply 1 to 4 times per month, as needed, throughout the growing season.

Watering Cans and Pressure Sprayers Rates	
All Plants, Flowers, Herbs, Turf, Spices and Vegetables	Apply 1 gallon of solution for every 10 square feet.
Roses	Apply 1/2 gallon of solution for small bushes and 1 gallon for large bushes.
Bushes, Evergreens, Ornamentals, Shrubs, Trees and Vines	Apply 1 gallon of solution for every 10 square feet.

{Note: The above grid format will be used if market label space permits; otherwise a paragraph format will be used.}

Storage and Disposal

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Varnimo® WSP [This product] consists of living microbes. Store in cool, dry conditions. Do not freeze. Tightly close opened packages. Store in original container in a (preferably locked) storage area away from children and pets.

Pesticide/Container Handling: Non-refillable container. Do not reuse or refill this container. **If empty:** Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

{Per PR Notice 2007-4 the batch code/lot number will appear on the label or container.}

WARRANTY STATEMENT

WARRANTY: The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. LidoChem, Inc. warrants that at the time of the first sale of this product it conforms to the chemical description on the label and when used according to the label directions under normal growing conditions is reasonably fit for the purposes referred to above. Buyers/Users of this product assume full risk for any use contrary to the specified directions. If this product does not perform as warranted above and to the extent consistent with applicable law, customers sole remedy for breach of warranty shall be replacement of the product or refund of the purchase price paid, at the option of LidoChem, Inc. EXCEPT AS PROVIDED ELSEWHERE IN WRITING CONTAINING AN EXPRESS REFERENCE TO THIS WARRANTY AND LIMITATION OF DAMAGES, SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OR GUARANTEE TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, INCLUDING ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY, AND NO AGENT OF SELLER IS AUTHORIZED TO DO SO.

Varnimo is a registered trademark of LidoChem, Inc.

{Marketing Claims}

For Plant Strengthening, Growth Enhancement and Suppression of Certain Diseases

{End of Marketing Claims}

[] Denotes optional/alternate language.

{ } Denotes language that will not appear on market labeling.