

70515-1

12-12-2002

Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0060, Approval expires 2-28-95



United States Environmental Protection Agency Washington, DC 20460

Registration Amendment Other (checked)

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number: 70515-1
2. EPA Product Manager: Carol Frazer
3. Proposed Classification: None (checked)
4. Company/Product (Name): LPE-94 10% Aqueous Growth Regulator
5. Name and Address of Applicant: Nutra-Park Inc.
6. Expedited Review: In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical...

Section - II

Amendment - Explain below. Resubmission in response to Agency letter dated. Notification - Explain below. Final printed labels in response to Agency letter dated. "Me Too" Application. Other - Explain below. Date Reviewed: 12/12/02

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Reviewed By: [Signature]

Notification to increase REI, add Non-Ag Use Requirements box and update text. Refer to the attached cover letter dated May 28, 2002 for additional details.

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In: Child-Resistant Packaging, Unit Packaging, Water Soluble Packaging, 2. Type of Container: Plastic (checked), 3. Location of Net Contents Information: Label (checked), 4. Size(s) Retail Container: 1 gallon, 5. Location of Label Directions: on container label (checked), 6. Manner in Which Label is Affixed to Product: Lithograph (checked)

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.) Name: Amy Plato Roberts, Title: Regulatory Consultant, Telephone No. (202) 828-8964

Certification: I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. 2. Signature: [Signature], 3. Title: Regulatory Consultant, 4. Typed Name: Amy Plato Roberts, 5. Date: May 28, 2002, 6. Date Application Received (Stamped)



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**WASHINGTON**

1101 17th Street, N.W.  
Suite 500  
Washington, D.C. 20036  
Telephone 202 223-4392  
Fax 202 872-0745

Dr. Carol Frazer  
Biopesticides and Pollution Prevention Division (7511C)  
Office of Pesticide Programs, EPA  
1921 Jefferson Davis Highway  
Arlington, VA 22202

May 28, 2002

**RE: LPE-94 10% Aqueous Growth Regulator  
EPA Reg. No. 70515-1**

**Notification to increase REI, add Non-Agricultural Use Requirements  
box and update text**

Dear Dr. Frazer:

**SAN FRANCISCO**  
2700 Steuart Street Tower  
One Market  
San Francisco, CA 94105  
Telephone 415 267-4119  
Fax 415 267-4198

Enclosed with this letter you will find the following for in support of a label notification per PR Notice 98-10:

- 1) Notification form;
- 2) One (1) copy of the label with all changes highlighted.

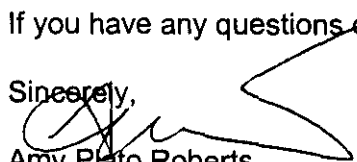
The following label changes are included in this notification:

- Increase REI from 4 hours to 12 hours (per PR Notice 98-10[N][1]). It has been brought to our attention by the California Department of Pesticide Regulation (DPR), that as this end-use product is a dermal sensitizer it is not eligible for a reduced (4-hour) REI per PR Notice 95-3. As such, we have increased it to 12 hours.
- Add a Non-Agricultural Use Requirements box (per PR Notice 98-10[N][1]). As post-harvest treatment of agricultural commodities does not fall under the Worker Protection Standard, a Non-Agricultural Use Requirements box has been added per PR Notice 93-7 to provide directions for post-harvest treatments.
- Updated text (per PR Notice 98-10[N][1]). The storage recommendation for the product has been updated.

**SACRAMENTO**  
712 Fifth Street  
Suite A  
Davis, CA 95616  
Telephone 530 757-1298  
Fax 530 757-1299

If you have any questions or comments, please do not hesitate to let me know.

Sincerely,

  
Amy Plato Roberts  
Regulatory Consultant for Nutra-Park Inc.  
Direct dial (202) 828-8964; email [aroberts@tsgusa.com](mailto:aroberts@tsgusa.com)  
cc: Tim Peoples, Nutra-Park Inc.

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# LPE-94 10% Aqueous

## GROWTH REGULATOR

*(Alternate Brand Names: NPI 105 for Grapes, NPI 116 for Tomatoes, NPI 119 for Cranberries – added by Notification dated 4/33/02)*

**LPE is a growth regulator that enhances fruit ripening and shelf life of select fruits, flowers and vegetables.**

**Active Ingredient:**

Lysophosphatidylethanolamine (LPE)..... 10%

**Other Ingredients:**..... 90%

**Total** ..... 100%

**NOTIFICATION**

Date Reviewed: 12/12/02

Reviewed By: P. Biancacci

Contains 0.835 lbs. LPE per gallon

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

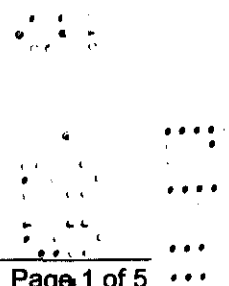
See side (back) panel for additional precautionary statements.

EPA Reg. No.: EPA Reg. No. 70515-1

EPA Est. No.: XXXXX-XX-X

Manufactured for: Nutra-Park Inc.  
8383 Greenway Blvd., Suite 520  
Middleton, WI 53562

Net Contents: 1 Liter (33.9 oz)



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**FIRST AID**

**If on skin or clothing**

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 – 20 minutes.
- Call a poison control center or doctor for treatment advice.

**HOT LINE NUMBER**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-858-7378 for emergency medical treatment information.

**PRECAUTIONARY STATEMENTS**

**Hazard to humans and domestic animals: CAUTION.** Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling.

**PERSONAL PROTECTIVE EQUIPMENT (PPE):** Applicators and other handlers must wear long-sleeved shirt and long pants, waterproof gloves, and shoes plus socks. Follow manufacturer's instructions for cleaning / maintaining PPE. Keep and wash PPE separately from other laundry.

**User Safety Requirements:** Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**Environmental Hazards:** Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean highwater mark. Do not contaminate water when cleaning equipment or disposing of equipment washwater.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation. 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.

**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), and restricted entry intervals (REI). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval of 12 hours.

PPE requirement 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 of this product 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.

For treatment of post-harvest commodities, unprotected persons should not handle commodity until dry.

**General:**

LPE is a growth regulator that enhances fruit, ripening and shelf life of select fruits, flowers and vegetables. LPE application does not enhance respiration, like other ripening agents. LPE is also known to reduce senescence by inhibiting some of enzymes involved in membrane breakdown. For these reasons, LPE enhances and promotes shelf life. When applied to physiologically mature fruit (at breaker stage, i.e. early stage of ripening), it stimulates and promotes ripening.

READ ENTIRE LABEL BEFORE USING THIS PRODUCT.

**Mixing Instructions:**

Shake well before mixing (1-3 minutes). Dilute product with water per dilution schedule to achieve recommended application rate for intended crop. Add half the recommended water to tank, then add LPE-94 10% Aqueous. Add remaining water and mix thoroughly.

**Table 1**

Parts Per Million (PPM)	Amount of LPE-94 10% Aqueous to make 100 gallons of spray solution
25	3.2 fl. oz.
50	6.4 fl. oz.
100	12.8 fl. oz.
200	25.6 fl. oz.

**Pre-Harvest Application Directions:**

Apply LPE-94 10% Aqueous in sufficient water to wet fruit clusters uniformly, using conventional ground sprayers. Add a nonionic surfactant containing at least 80% active ingredient. The surfactant should be applied at the rate of 0.25% v/v (1 gallon per 100 gallons of spray solution) of spray mixture. Apply the surfactant in a manner consistent with its label. Contact your Nutra-Park Representative for guidance on surfactant selection.

Follow directions for specific crop listed below:

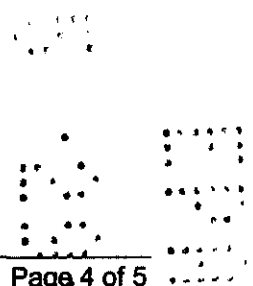
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PRE HARVEST APPLICATION			
Crop	Rate (ppm)	Use	Special Instructions
<b>Table Grapes</b> (Such as Flame Seedless, Crimson, Thompson Seedless, Red Globe)	100-400	<ul style="list-style-type: none"> <li>Increased early marketable yield</li> <li>Uniform color development</li> </ul>	<ul style="list-style-type: none"> <li>Treat when 10-20% of berries show color</li> </ul>
<b>Cranberries</b>	100-400	<ul style="list-style-type: none"> <li>Increased early marketable yield</li> <li>Uniform color development</li> </ul>	<ul style="list-style-type: none"> <li>Treat when 10-20% of berries show color, approximately 2 weeks prior to harvest</li> </ul>
<b>Tomatoes</b>	100-400	<ul style="list-style-type: none"> <li>Increased early marketable yield</li> <li>Uniform color development</li> <li>Improved fruit firmness</li> </ul>	<ul style="list-style-type: none"> <li>Treat 10 to 14 days prior to desired yield response.</li> <li>Reapply at 7 to 14 day intervals to repeat desired yield response.</li> </ul>
<b>Apples</b>	100-400	<ul style="list-style-type: none"> <li>Increased early marketable yield</li> <li>Improved fruit quality (color firmness, soluble solids)</li> </ul>	<ul style="list-style-type: none"> <li>Treat at 10- 20% fruit blush, approximately two weeks prior to harvest.</li> </ul>
<b>Blueberries</b>	100-400	<ul style="list-style-type: none"> <li>Increased early marketable yield</li> </ul>	<ul style="list-style-type: none"> <li>Treat at 10- 20% fruit blush, approximately 2 weeks prior to harvest.</li> </ul>
<b>Strawberries</b>	100-400	<ul style="list-style-type: none"> <li>Increased early marketable yield</li> </ul>	<ul style="list-style-type: none"> <li>Treat at 10- 20% fruit blush, approximately 2 weeks prior to harvest.</li> <li>Reapply at 7 to 14 day intervals to repeat desired yield response.</li> </ul>

**Post-Harvest Application Directions:**

Dilute LPE-94 10% Aqueous in washwater. For tomatoes and cranberries, maintain water agitation and submerge fruit in washwater for 3 to 10 minutes. Follow standard handling procedures after treatment.

Follow directions below for crop specific post harvest applications directions for use.



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POST HARVEST APPLICATION			
Crop	Rate (ppm)	Use	Special Instructions
Tomatoes	25-100	<ul style="list-style-type: none"> <li>Accelerate natural ripening</li> <li>Improve fruit quality</li> </ul>	<ul style="list-style-type: none"> <li>Maintain chlorine levels and water pH at recommended levels.</li> </ul>
Cranberries	25- 100	<ul style="list-style-type: none"> <li>Accelerate natural ripening</li> <li>Improve fruit quality</li> </ul>	
Cut Flowers	1- 25	<ul style="list-style-type: none"> <li>Extends vase life</li> </ul>	<ul style="list-style-type: none"> <li>Dilute LPE</li> <li>Submerge stems of freshly cut flowers in LPE solution</li> <li>Renew LPE solution if water becomes cloudy</li> <li>See Nutra-Park representative to determine proper concentration for flower variety.</li> </ul>

**STORAGE AND DISPOSAL**

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

**Storage** - Store container under refrigerated conditions until ready for use.

**Pesticide Disposal** - Wastes resulting from use of this product may be disposed of at an approved waste disposal facility.

**Container Disposal**- Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

(LIMITED WARRANTY)

