

70515-1

3-17-2003

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ACCEPTED

MAR 17 2003

Under the Federal Insecticides, Fungicides, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 70515-1

LPE-94 10% Aqueous

GROWTH REGULATOR

(Alternate Brand Names: NPI 105 for Grapes, NPI 116 for Tomatoes, NPI 119 for Cranberries, SigniVine™, SigniRipe™, SignaFresh™)

- LPE is a growth regulator that enhances fruit quality, ripening and shelf life of select fruits, flowers and vegetables.
- With SignaFresh™ Technology.
- Quality Enhancer™
- Fresh Focus™

Active Ingredient:

Lysophosphatidylethanolamine (LPE) 10%

Other Ingredients:..... 90%

Total..... 100%

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.
 3225 Deming Way, Suite 140
 Middleton, WI 53562

Net Contents: 1 Liter (33.9 oz)

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.
 Keep unprotected persons out of treated areas until sprays have dried or dusts have settled. For post-harvest treated commodities, only unprotected persons should not handle until dip has dried.

General:

LPE is a growth regulator that enhances fruit quality, 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 Table 1 below to achieve application rate for intended crop. Add half the 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 water to wet fruit clusters uniformly, using conventional ground sprayers. Contact your Nutra-Park Representative for guidance on surfactant selection.

Follow directions for specific crop listed below:

PRE HARVEST APPLICATION			
Crop	Rate (ppm)	Use	Special Instructions
Table Grapes (Such as Flame Seedless, Crimson, Thompson Seedless, Red Globe)	200	<ul style="list-style-type: none"> Increased first harvest marketable yield Uniform color development 	<ul style="list-style-type: none"> Treat when 10-20% of berries show color or are at early stage of ripening, typically 10-30 days before first harvest. Consult your Nutra-Park representative regarding application timing.
Cranberries	100-400	<ul style="list-style-type: none"> Increased early marketable yield Uniform color development 	<ul style="list-style-type: none"> Treat when 10-20% of berries show color, approximately 2 weeks prior to harvest
Tomatoes	100-400	<ul style="list-style-type: none"> Increased early marketable yield Uniform color development Improved fruit firmness 	<ul style="list-style-type: none"> Treat 10 to 14 days prior to desired yield response. Reapply at 7 to 14 day intervals to repeat desired yield response.
Apples	100-400	<ul style="list-style-type: none"> Increased early marketable yield Improved fruit quality (color firmness, soluble solids) 	<ul style="list-style-type: none"> Treat at 10- 20% fruit blush, approximately two weeks prior to harvest.
Blueberries	100-400	<ul style="list-style-type: none"> Increased early marketable yield 	<ul style="list-style-type: none"> Treat at 10- 20% fruit blush, approximately 2 weeks prior to harvest.
Strawberries	100-400	<ul style="list-style-type: none"> Increased early marketable yield 	<ul style="list-style-type: none"> Treat at 10- 20% fruit blush, approximately 2 weeks prior to harvest. Reapply at 7 to 14 day intervals to repeat desired yield response.

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.

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

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)