

PM 23

ACCEPTED

35935-21

1043

APR 13 1998

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 35935-21



Nufarm

Alphaset IPE

PLANT GROWTH REGULATOR FOR CITRUS.

TO CONTROL PREHARVEST FRUIT DROP, LEAF DROP AND FRUIT DROP FOLLOWING OIL SPRAYS, AND FOR PACKING HOUSE TREATMENT OF LEMONS.

If Swallowed: Product contains petroleum distillates. Do Not induce vomiting. Contact a physician or go to the nearest medical facility taking product container or label with you. Never give anything by mouth to an unconscious person.

Note to Physician: May cause chemical pneumonitis if aspirated. If lavage is performed, suggest endotracheal and/or esophagosopic control.

ACTIVE INGREDIENT:

Isopropyl Ester of 2,4-Dichlorophenoxy-acetic acid 48.2%*

INERT INGREDIENTS** : 51.8%
TOTAL 100.0%

* Equivalent to 40.5% or 3.4 lbs of 2,4-Dichlorophenoxy-acetic acid per gallon

**Contains petroleum distillates

The State of California Department of Agriculture classifies this Ester of 2,4-D as "Highly Volatile" and therefore does not permit its use as an herbicide in California.

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION**

Avoid inhaling fumes or spray. Avoid contact with skin, eyes, or clothing. Harmful if swallowed, inhaled or absorbed through skin.

Personal Protective Equipment: Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category E on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear: long-sleeved shirt and long pants; chemical-resistant gloves, such as barrier laminate or nitrile rubber or neoprene rubber or Viton; shoes plus socks; protective eyewear; and chemical-resistant apron when mixing and loading.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. After each day of use, clothing or PPE must not be reused until it has been cleaned.

Engineering Control Statements: When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**KEEP OUT OF REACH OF CHILDREN
CAUTION CAUTION**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See Below For Additional Precautionary Statements.

EPA REG. NO. 35935-21
EPA EST. NO. _____

NET CONTENTS 1 GALLON (3.78 L)

EXP03/98

For Chemical Emergency, Spill, Leak, Fire, Exposure or Accident, Call CHEMTREC Day or Night 1-800-424-9300

STATEMENT OF PRACTICAL TREATMENT

If In Eyes: Immediately flush eyes with plenty of clean water. See a physician.

If On Skin: Wash thoroughly with soap and water. Get medical attention.

If Inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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

This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and non-target plants. 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 disposing of equipment washwaters.

Mixing and Loading: Most cases of groundwater contamination involving phenoxy herbicides such as 2,4-D have been associated with mixing/loading and disposal sites. Caution should be exercised when handling 2,4-D pesticides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing or transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

CHEMICAL AND PHYSICAL HAZARDS

Do not use, pour, spill or store near heat or open flame

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 agency responsible for pesticide regulation.

Do not apply this product through any type of irrigation system.

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 interval. 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 (REI) of 12 hours.

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; chemical-resistant gloves, such as barrier laminate or nitrile rubber or neoprene rubber or Viton; shoes plus socks and protective eyewear.

STORAGE AND DISPOSAL

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

STORAGE: Do not store near food, feed, fertilizers, seeds, insecticides or fungicides. Store in the original container in a secure, dry and temperate area. Keep container closed when not in use. Do not store or use around the home. In the event of a spill, transfer as much of product as possible to new or sound container. Soak up remainder of spill with sand, earth, clay granules, or other suitable adsorbent. Dispose of wastes according to local, State, and Federal regulations.

Do not store under freezing conditions. If product is subjected to temperatures below freezing, warm to at least 70 degrees F for 12 hours then agitate thoroughly prior to use.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law and may contaminate groundwater. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: For Plastic Containers: Triple rinse (or equivalent) adding rinsate to spray tank. 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. **For Metal Containers:** Triple rinse (or equivalent) adding rinsate to spray tank. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

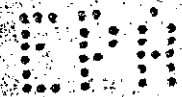
GENERAL INFORMATION

Alphaset IPE is to be used as a plant growth regulator on citrus for the control of pre-harvest fruit drop, and, for leaf drop and fruit drop following application of pesticide oil sprays. It may also be used as a packing house treatment to lemons to maintain healthy buttons during storage.

APPLICATION DIRECTIONS

Preharvest Fruit Drop Control: Use the recommended concentration (ppm) from the chart below. Apply to give thorough and uniform coverage. Make application just to the point of runoff. Total volume of spray used could vary from 60 to 400 gallons per acre depending on density of the foliage. Do not apply to citrus trees younger than 6 years. Do not apply within 7 days of harvest.

Variety/ Species	Location	Time	2,4-D ppm Water Spray	ml Alphaset IPE per 100 gal	Fluid oz. Alphaset IPE per 100 gal
Navel Oranges	Central, So. CA	Sept. - Nov.	16	15.2	0.51
	Central CA	Sept. - Nov.	24	22.8	0.77
	Central, So. CA	Dec. - Jan.	8	7.6	0.26
Valencia Oranges	So. CA	Young Fruit at least 3/4" dia.	8	7.6	0.26
Grapefruit Summer drop	Central, So. CA	Young Fruit at least 3/4" dia.	16	15.2	0.51
Grapefruit Winter Drop	Central CA	Sept. - Nov.	16	15.2	0.51
			24	22.8	0.77
Lemons	Inland So. CA	Nov. - Dec.	8	7.6	0.26



Air Application (Oranges)	Make application from September through January.	Apply product in a minimum of 20 gallons of water per acre. Do not exceed a concentration of 200 ppm (38 ml or 1.28 fluid ounces Alphaset IPE in 20 gallons of water). Do not apply within 7 days of harvest.
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For Packing House Use On Lemons: For packing house treatment of lemons to maintain healthy blemishes during storage, use a concentration of 500 ppm (45 ml or 1-5/8 fluid ounces of Alphaset IPE in each 10 gallons of water). Product may be added to the wax emulsion used to wax lemons prior to storage. Otherwise, use a treatment such as flush or spray following the final fresh water rinse of the fruit. Do not use with nitrogen trichloride (Decco®) as discoloration of the fruit may occur. Do not use on fruit intended for short-term storage.

Following the application of pesticide oil sprays: For the prevention of leaf drop and fruit drop following the use of pesticide oil sprays to lemons, Navel oranges, Valencia oranges, and grapefruits, apply Alphaset IPE at 3.8 ml or 0.128 fluid ounces per 100 gallons of pesticide oil spray mixture (4 ppm). Apply as a thorough coverage spray. Do not apply within 7 days of harvest.

IMPORTANT: PLEASE READ BEFORE USE
By using this product, the user accepts the following LIMITED WARRANTY:

Fruit size increase: To increase fruit size, apply recommended concentration from the table below. Apply the spray to achieve thorough and even coverage. Make application just to the point of run off. Total volume of spray used could vary from 60 to 400 gallons per acre depending on density of the foliage. Do not apply to citrus trees younger than 6 years. Do not apply within 7 days of harvest.

NUFARM LIMITED (NUFARM) warrants that (a) this product conforms to the chemical description on its label; (b) this product is reasonably fit for the purposes stated on its label, subject to the inherent risks referred to herein, when used in accordance with its directions; and (c) that the directions, warnings, cautions, and other statements on this label are based upon responsible experts' evaluations of reasonable tests of effectiveness, or toxicity to laboratory animals and plants, or residues on food crops and upon reports of field experience. Testing has not been performed on all varieties of food crops, and plants in all states, or under all application, weather and crop conditions. There are no express warranties other than those set forth herein. NUFARM neither makes nor intends, nor does it authorize any agent or representative to make any other warranty, express or implied. NUFARM expressly excludes and disclaims all implied warranties of merchantability, fitness for particular purpose, or any other warranty of quality or performance. This warranty does not extend to, and the user shall be solely responsible for, any loss or damage which results from the use of this product in any manner which is inconsistent with this label's directions, warnings or cautions. User's exclusive remedy and NUFARM or seller's exclusive liability for any claim, loss, damage, or injury resulting from the use or handling of this product, whether or not based in contract, negligence, strict liability in tort, or otherwise, shall be limited, at NUFARM'S option, to replacement, or repayment of the purchase price for the quantity of product with respect to which damages are claimed. In no event shall NUFARM or Seller be liable for special, indirect, or consequential damages resulting from the use or handling of this product.

Valencia and Navel Oranges	ppm 2,4-D Water Spray	ml Alphaset IPE per 100 gals.	Fluid oz. Alphaset IPE per 100 gals.
When Fruit Diameter is			
3/16 - 1/4"	12	11.4	0.38
1/4 - 1/2"	16	15.2	0.51
1/2 - 5/8"	20	19.0	0.64
5/8 - 3/4"	24	22.8	0.77
Grapefruit	ppm 2,4-D Water Spray	ml Alphaset IPE per 100 gals.	Fluid oz. Alphaset IPE per 100 gals.
When fruit Diameter is			
1/4 - 3/8"	12	11.4	0.38
3/8 - 5/8"	16	15.2	0.51
5/8 - 3/4"	20	19.0	0.64
3/4 - 1"	24	22.8	0.77

USE THE CHART BELOW TO DETERMINE THE AMOUNT OF ALPHASET IPE TO ADD TO YOUR SPRAY TANK

Manufactured By
Nufarm Limited
1009-D West St. Maartens Drive
St. Joseph, MO 64506

Add Volume of Alphaset IPE Indicated for Desired Concentration

Tank Size (Gals.)	for:	4 ppm	8 ppm	12 ppm	16 ppm	20 ppm	24 ppm
400		15 ml	31 ml	46 ml	61 ml	76 ml	91 ml
500		19 ml	38 ml	57 ml	76 ml	95 ml	114 ml
600		23 ml	46 ml	69 ml	91 ml	114 ml	137 ml