	U.S. ENVIR	ONMENTAL PROTECTIO AGENCY	N EPA Reg. Number:	Date of Issuance:
AT INITED STATES		e of Pesticide Programs	35935-21	
	G I C	tration Division (7505P) Ariel Rios Building		A EED anon
THUNAL PROTECT		Pennsylvania Ave., NW		6 FEB 2009
		ishington, D.C. 20460		
	NOTICE OF F		Term of Issuance:	
	Regist x_ Rereg		Name of Pesticide Pr	oduct:
	(under FIFRA,		Alphaset IPE	
Name and Ad	dress of Registrant (includ	le ZIP Code):		
ufarm Limit	eđ .			
.O. Box 134		•		
Research Tria	ngle Park, NC 27709			
lote: Changes in	labeling differing in substance fi	rom that accepted in connection with t	his registration must be submitted to	and accented by the
		ommerce. In any correspondence on the		
		trant, the above named pesticide is her		
		no way to be construed as an endorser strator, on his motion, may at any time		
ith the Act. Th	acceptance of any name in conn	nection with the registration of a produ		
ight to exclusive	use of the name or to its use if it	has been covered by others.		
This produe	t is reregistered in ac	cordance with FIFRA sec	tion 4(g)(2)(C) provide	d vou:
F			(B)(-)(-) Provide	-)
. Submit	and/or cite all data re	equired for registration/re	registration review of y	our product when
		s of similar products to s		• .
	-	н Н		
2. A stam	ped copy of your labe	ling is enclosed for your	records. Submit one co	py of the revised
-		before you release the pro	-	
-	_	on will be subject to cance	-	
b(e). Your	release for shipment of	of the product constitutes	acceptance of these cor	nditions.
	· · · · · · · · · · · · · · · · · · ·			
6. Make ti	e following label revi	ISIONS:		
a. P	er the acute toxicity re	eview, the First Aid head	lings should be in the fo	llowing order
	SWALLOWED	•		in the oracle
	•			
1	F ON SKIN OR CLC	DTHING		:
	F ON SKIN OR CLO F IN EYES	DTHING		
		DTHING		
I) b. P	TIN EYES er the acute toxicity re	eview, the text "Do not g	•	
I) b. P	TIN EYES er the acute toxicity re		•	
I) b. P re	TIN EYES er the acute toxicity re place the text "Have j	eview, the text "Do not g	er if able to swallow" in	
D. P re S	TIN EYES er the acute toxicity re place the text "Have j WALLOWED" state	eview, the text "Do not g person sip a glass of wate	er if able to swallow" in	
b. P re S	TIN EYES er the acute toxicity re place the text "Have j WALLOWED" state	eview, the text "Do not g person sip a glass of wate	er if able to swallow" in	
b. P re S Continued	TIN EYES er the acute toxicity replace the text "Have p WALLOWED" state on Page 2	eview, the text "Do not g person sip a glass of wate ements in the First Aid se	er if able to swallow" in	
I) b. P re S Continued	TIN EYES er the acute toxicity replace the text "Have p WALLOWED" state on Page 2	eview, the text "Do not g person sip a glass of wate	r if able to swallow" in ction of the label.	

c. The following revisions are needed to the handler PPE section:

-The first sentence in the PPE section must be revised to read "Some materials that are chemical-resistant to this product are made of barrier laminate, nitrile rubber, neoprene rubber, or viton."

-The glove statement currently on the label must be revised to read "chemical-resistant gloves, except for pilots."

- d. The first 2 sentences of the Environmental Hazard section must be revised to read:
 "This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark."
- e. Because the label also contains directions for use in packing houses, a Non-WPS use, a Non-Agricultural Use Requirements box must be added to label with the following entry restriction text:

"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 product agricultural plants on farms, forests, nurseries, or greenhouses. Do not enter or allow others to enter until sprays have dried."

A stamped copy of your labeling is enclosed for your records. Submit one (1) copy of the revised final printed label for the record before you release the product for shipment. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

Enclosure

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.

ACTIVE INGREDIENT:	
Isopropyl Ester of 2,4-Dichlorophenoxyacetic acid*	48.2%
OTHER INGREDIENTS**:	<u>51.8%</u>
TOTAL:	. 100.0%

* Equivalent to 40.5% or 3.4 lbs of 2,4-Dichlorophenoxyacetic acid per gallon **Contains petroleum distillates

KEEP OUT OF REACH OF CHILDREN CAUTION - PRECAUCION

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 INSIDE BOOKLET FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300 For Medical Emergencies Only, Call (877) 325-1840

EPA REG. NO. 35935-21 EPA EST. NO. 228-IL-1 MANUFACTURED FOR NUFARM LIMITED P.O. BOX 13439 RESEARCH TRIANGLE PARK, NC 27709

> ACCEPTED with COMMENTS In EPA Letter Dated:

6 FEB 2009 Under the Federal Insecticide. Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.

35935-21



NET CONTENTS

GALLONS

035935-00021.110607.EPA24D.Pending

3/8

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

Harmful if absorbed through skin. Harmful if swallowed. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

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.

All mixers, loaders, applicators, flaggers, and other handlers must wear:

- · long-sleeved shirt and long pants,
- shoes and socks, plus
- · chemical resistant gloves, when applying postharvest dips or sprays to citrus, apply with any handheld nozzle or equipment, mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate.
- · chemical resistant apron when applying postharvest dips or sprays to citrus, mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate.

See engineering controls for additional 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.

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. Pilots must use an enclosed cockpit that meets the requirements listed in the WPS for agricultural pesticides [40 CFR 170.240(d)(6)].

Users Should:

USER SAFETY RECOMMENDATIONS

- · Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. · Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on
- skin, wash immediately with soap and water.
- 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.

FIRST AID					
IF IN EYES	 Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. 				
IF ON SKIN OR CLOTHING	 Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice. 				
IF SWALLOWED	 Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person. 				
	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 1-877-325-1840 for emergency medical treatment information.

NOTE TO PHYSICIAN

May pose an aspiration pneumonia hazard. Contains petroleum distillate.

ENVIRONMENTAL HAZARDS

This pesticide may be toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark except as noted on appropriate labels. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash waters or rinsate.

This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater.

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 made of any waterproof material and shoes plus socks.

GENERAL INFORMATION

This product is to be used as a plant growth regulator on citrus for the control of preharvest 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. The maximum rate per application is 24 ppm, limited to 1 application per crop cycle. Do not apply during a flush of leaf growth. Do not allow drift to susceptible plants, which include cotton, grapes, roses, beans, peas, alfalfa, lettuce, ornamentals and broadleaf plants. This product may injure cotton, beans, peas, grapes, ornamentals, etc. (coarse sprays are less likely to drift). Do not use equipment that has been used to spray 2,4-D products to spray 2,4-D sensitive plants. Always use care in disposing of spray solutions as they can cause extreme injury or kill sensitive plants. Before using spray equipment for any other purpose, thoroughly clean same with hot soap suds followed by soaking and washing with ammonia or baking soda. May cause an increased roughness of the rind.

	•			ALPHASET IPE		
VARIETY/ SPECIES	LOCATION	TIME	2,4-D PPM WATER SPRAY	RATE PER 100 GALLONS (ml)	RATE PER 100 GALLONS (Fluid Ounces)	
	Central, So. CA	Sept Nov.	16	15.2	0.51	
Navel Oranges	Central CA	Sept Nov	24	22.8	0.77	
erangeo	Central, So. CA	Dec Jan.	8	7.6	0.26	
Valencia Oranges	So. CA	Young Fruit at least 3/4" diameter	8	7.6	0.26	
Grapefruit Summer Drop	Central, So. CA	Young Fruit at least 3/4" diameter	16	15.2	0.51	
Grapefruit Winter	Central CA	Sept Nov.	• 16	15.2	0.51	
Drop			24	22.8	0.77	
Lemons	Inland So. CA	Nov. – Dec	8	7.6	0.26	

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 this product 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. The maximum rate per application is 200 ppm, limited to 1 application per crop cycle.

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. The maximum rate per application is 4 fluid ounces per acre, limited to 1 application per crop cycle.

		ALPHASET IPE			
NAVEL ORANGES When Fruit Diameter is (Inches)	ppm 2,4-D WATER SPRAY	RATE PER 100 GALLONS (mi)	RATE PER 100 GALLONS (Fluid Ounces)		
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		
0.240550.07	ç	ALPHASET I			
GRAPEFRUIT When fruit Diameter is (Inches)	ppm 2,4-D WATER SPRAY	RATE PER 100 GALLONS (ml)	RATE PER 100 GALLONS (Fluid Ounces)		
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 THIS PRODUCT TO ADD TO YOUR SPRAY TANK Add Volume of This Product Indicated for Desired Concentration

TANK SIZE (Galions)	For	4 ppm	8 ppm	12 ppm	16 ppm	20 ppm	24 ppm
400		15 mi	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

For Packing House Use On Lemons: For packing house treatment of lemons to maintain healthy buttons during storage, use a concentration of 500 ppm (45 ml or 1-5/8 fluid ounces of this product 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. The maximum rate per application is 500 ppm, limited to 1 application per crop year.

4

SPRAY DRIFT MANAGEMENT

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application (e.g., ground, aerial, airblast, chemigation) can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

Droplet Size

When applying sprays that contain 2,4-D as the sole active ingredient, or when applying sprays that contain 2,4-D mixed with active ingredients that require a Coarse or coarser spray, apply only as a Coarse or coarser spray (ASAE standard 572) or a volume mean diameter of 385 microns or greater for spinning atomizer nozzles.

When applying sprays that contain 2,4-D mixed with other active ingredients that require a Medium or more fine spray, apply only as a Medium or coarser spray (ASAE standard 572) or a volume mean diameter of 300 microns or greater for spinning atomizer nozzles.

Wind Speed

Do not apply at wind speeds greater than 15 mph. Only apply this product if the wind direction favors on-target deposition and there are not sensitive areas (including, but not limited to, residential areas, bodies of water, known habitat for nontarget species, nontarget crops) within 250 feet downwind. If applying a Medium spray, leave one swath unsprayed at the downwind edge of the treated field.

Temperature Inversions

If applying at wind speeds less than 3 mph, the applicator must determine if: a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

Susceptible Plants

Do not apply under circumstances where spray drift may occur to food, forage, or other plantings that might be damaged or crops thereof rendered unfit for sale, use or consumption. Susceptible crops include, but are not limited to, cotton, okra, flowers, grapes (in growing stage), fruit trees (foliage), soybeans (vegetative stage), ornamentals, sunflowers, tomatoes, beans, and other vegetables, or tobacco. Small amounts of spray drift that might not be visible may injure susceptible broadleaf plants.

Other State and Local Requirements

Applicators must follow all state and local pesticide drift requirements regarding application of 2,4-D herbicides. Where states have more stringent regulations, they must be observed.

Equipment

All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.

Additional requirements for aerial applications:

The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.

Release spray at the lowest height consistent with efficacy and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety. This requirement does not apply to forestry or rights-of-way applications.

When applications are made with a crosswind, the swath will be displaced downwind. The applicator must compensate for this by adjusting the path of the aircraft upwind.

Additional requirements for ground boom application:

Do not apply with a nozzle height greater than 4 feet above the crop canopy.

Additional requirements for liquid products applied as a spray and containing an ester form of 2,4-D (e.g. 2,4-D butoxyethyl ester, 2,4-D ethylhexyl ester, 2,4-D isopropyl ester):

2,4-D esters may volatilize during conditions of low humidity and high temperatures. Do not apply during conditions of low humidity and high temperatures.

STORAGE AND DISPOSAL

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

PESTICIDE 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°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.

WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS. OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

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If you do not agree with or do not accept any of directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

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