

5481-145

12/28/2001

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CITRUS FIX™

45% ISOPROPYL ESTER
3.36 lbs. 2,4-D acid equivalent per gallon

ACCEPTED
DEC 28 2001
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 5481-145

ACTIVE INGREDIENT:	Isopropyl Ester of 2,4-Dichlorophenoxyacetic Acid*	45.0%
INERT INGREDIENTS:	55.0%
	Total	100.0%

*2,4-Dichlorophenoxyacetic Acid Equivalent 38%

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 a herbicide in California.

KEEP OUT OF REACH OF CHILDREN CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger, or if available by administering syrup of ipecac. If person is unconscious, do not give anything by mouth and do not induce vomiting.

IF SWALLOWED: Do not induce vomiting. Call a physician or Poison Control Center immediately.

IF INHALED: Remove to fresh air. Administer artificial respiration if necessary. Contact a physician immediately.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention.

IF IN EYES: Immediately flush eyes with plenty of water. Call a physician if irritation persists.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Causes moderate eye irritation. Harmful if swallowed, absorbed through the skin or inhaled. Avoid contact with skin, eyes or clothing. Avoid breathing vapor or spray mist. Remove contaminated clothing and wash clothing before reuse. Wash thoroughly with soap and water after handling.

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 (G) 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 Viton; shoes plus socks and protective eyewear. Mixers and loaders who do not use a mechanical system (probe and pump) to transfer the contents of this container must wear coveralls or a chemical resistant apron in addition to the other required PPE. 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 Controls Statement: When handlers use closed system, 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.

User Safety Recommendations

User 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.

EPA REG. NO. 5481-145

EPA EST NO. 47357-CA-1

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic invertebrates. Vapors, spray drift or runoff may adversely affect aquatic invertebrates and non-target plants. Do not apply directly to water, or 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 wash waters. Groundwater Contamination: 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.

Physical or Chemical 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 intervals. 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 Viton, shoes plus socks and protective eyewear.

ALCO CITRUS FIX may be used as a Plant Growth Regulator on Citrus in Florida. Refer to CITRUS FIX Florida label; EPA SLN No. FL 890040 for complete directions.

USE PRECAUTIONS

- **ALCO CITRUS FIX** is a plant growth regulator for use on citrus only. Do not use as a herbicide!
- Do not use on citrus trees less than 6 years old.
- Do not apply during a flush of leaf growth.
- Do not apply within 7 days of harvest.
- 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 **ALCO CITRUS FIX** to spray 2,4-D sensitive plants. Always use caution in disposing of spray solutions as they can cause extreme injury or kill sensitive plants. (See Storage and Disposal section.)
- 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.

USE DIRECTIONS

The following "Use Directions" as well as the above "Use Precautions" are taken from data developed and published by the University of California Experiment Station, Riverside, California. For additional Uses and Precautions of **ALCO CITRUS FIX** in California, consult the UC IPM PEST MANAGEMENT GUIDELINES, Citrus-Plant Growth Regulator Section.

Mixing Directions

Carefully measure and accurately add the required quantity of **ALCO CITRUS FIX** to the spray mixture. Add only during the agitation of the spray material.

PRE-HARVEST FRUIT DROP CONTROL

Add the required amount of **ALCO CITRUS FIX** to give the required milliliters or fluid ounces per acre as shown in Table 1. Spray to give outside coverage. A minimum of 100 gallons per acre for mature trees is recommended.

Citrus Variety	Geographic Location	Application Timing	Application Rate		Suggested Harvest Time
			ml/acre	fl oz/acre	
Navel Oranges	Central/Southern CA	Sept - Nov.	75.0	2.5	Post February
		Dec. - Jan.	37.5	1.25	
		Sept. - Nov. <i>Fall Whitewash (Hydrated Lime)</i>	112.5	3.8	
Valencia Oranges	Central/Southern CA	Fruit Size 1/2" dia. min.	37.5	1.25	
Grapefruit <i>(Summer Fruit Drop)</i>	Central/Southern CA	Fruit Size 3/4" dia. min.	75.0	2.5	
Grapefruit <i>(Winter Fruit Drop)</i>	Central/Southern CA	Oct. - Jan.	75.0	2.5	
		<i>Fall Whitewash (Hydrated Lime)</i>	112.5	3.8	
Tangelos and other Citrus Hybrids	Central/Southern CA	Sept - Nov.	75.0	2.5	
Lemons	Inland CA	Oct. - Dec.	56.25	1.9	

Use in Pesticide Oil Sprays to Counteract Leaf and Fruit Drop Caused by Oil Sprays

Use 2.2 ml of **ALCO CITRUS FIX** per gallon of spray oil. Use sufficient spray gallonage to insure good coverage.

Increasing Fruit Size

Fruit sizing sprays require excellent coverage. A minimum of 500 gallons per acre for mature trees is recommended. Apply water spray as an outside coverage using the recommended milliliters or fluid ounces of **ALCO CITRUS FIX** shown in Table 2.

Variety	Fruit Size at Time of Spraying (Inches in Diameter)	Milliliters Per Acre	Fluid Ounces Per Acre
Navel & Valencia Oranges	3/16 to 1/4 inch	56	1.9
	1/4 to 1/2 inch	75	2.5
	1/2 to 5/8 inch	94	3.2
	5/8 to 3/4 inch	112.5	3.8
Grapefruit	1/4 to 3/8 inch	56	1.9
	3/8 to 5/8 inch	75	2.5
	5/8 to 3/4 inch	94	3.2
	3/4 to 1 inch	112.5	3.8

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conform to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the directions for use, subject to the inherent risks referred to herein, when it is used in accordance with such directions; and (c) that the directions, warnings, and other statements on this label are based upon responsible experts' evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants and residues on food crops, and upon reports of field experience. Tests have not been made on all varieties of food crops and plants, or in all states or under all conditions.

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AMVAC offers this product, and Buyer accepts it, subject to the foregoing Limited Warranty which may be varied only by agreement in writing signed by an authorized representative of AMVAC.

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CITRUS FIX™ is a trademark of AMVAC Chemical Corporation.

For the following emergencies, phone 24 hours a day:	
Transportation: CHEMTREC.....	1-800-424-9300
Other: AMVAC.....	1-323-264-3910

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