



**RESTRICTED USE PESTICIDE**  
To Permit Use of Product On Citrus in Florida. For Sale To  
And Use Only By Certified Applicators or Persons Under  
Their Direct Supervision and Only For Those Uses Covered  
By The Certified Applicators Certification

**SUPPLEMENTAL LABELING  
FOR DISTRIBUTION  
AND USE ONLY  
WITHIN FLORIDA**

**PHYSICAL AND CHEMICAL HAZARDS**  
Do not use, pour, spill or store near heat or open flame.

**CITRUS FIX**

45% ISOPROPYL ESTER  
3.36 LBS. 2,4-D ACID  
EQUIVALENT PER GALLON

ACTIVE INGREDIENT:

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

\*2,4-D Dichlorophenoxyacetic Acid Equivalent 38%  
\*\*Contains Petroleum Distillate

**PLANT GROWTH REGULATOR  
DO NOT USE AS A HERBICIDE**

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

**STATEMENT OF PRACTICAL TREATMENT**

**IF SWALLOWED:** Do not induce vomiting. Call a physician or Poison Control Center immediately. **IF INHALED:** Remove fresh air. Administer artificial respiration if necessary. Contact a physician immediately. **IF ON SKIN:** Wash affected are with soap and water. **IF IN EYES:** Immediately flush eyes with plenty of water. See a physician.

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Avoid inhaling fumes or spray. Avoid contact with skin, eyes, or clothing. Harmful if swallowed.

**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**

**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**

Vapors, spray drift or runoff may adversely affect non-target plants. This product may injure cotton, beans, peas, grapes, ornamentals, etc. (coarse sprays are less likely to drift). 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 washwaters. 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.

EPA Reg. No. 5481-145

NET CONTENTS 1 GALLON

EPA EST. No. 5481-CA-1

**AMVAC CHEMICAL CORPORATION**

24(c) Registrant:  
EPA SLN NO. FL 890040

4100 EAST WASHINGTON BLVD., LOS ANGELES, CA 90023 U.S.A.

12-B

**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.

**STORAGE AND DISPOSAL**

**STORAGE:** This product may crystallize if stored at cold temperatures. If crystallization occurs, call Amvac for instructions before using. Store product in original container in a secure, dry and temperate area. Keep container closed when not in use. Do not store near food, feed, fertilizers, seeds, insecticides or fungicides. Do not store 30 gallon drums over two high. Do not use or store around the home. Avoid contact with water. In case of spill or leak, soak up with sand, earth, or synthetic absorbent (do not use alkaline absorbents) and dispose of wastes in compliance with local State and Federal regulations. **PESTICIDE DISPOSAL:** Do not contaminate water, food or feed by storage or disposal. Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law and may contaminate groundwater. It 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:** 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.

**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.**

**A Copy Of This Labeling Must Be In The Possession Of The User At The Time Of This CITRUS FIX SLN 890040 Application**

**DIRECTIONS FOR USE OF CITRUS FIX AS A PLANT GROWTH REGULATOR ON CITRUS**

For use in the reduction of drop of Navel Oranges in Florida Citrus Groves. For Use in Commercial Groves Only. Do not use on Citrus trees younger than 5 years. Do not apply within 7 days of harvest. Arrange position of nozzle on airblast sprayer to prevent discharge above average tree height.

**FOR PRE-HARVEST FRUIT DROP CONTROL ON CITRUS OTHER THAN NAVEL ORANGES**

Use 3.2 fluid ounces of this material per acre in 250 to 500 gallons of spray mixture. Make a single application between November 1 and December 31 for pre-harvest fruit drop control on citrus. Do not apply by air or under windy conditions (see Table #1). Avoid using during periods of leaf flush.

**FOR SUMMER-FALL FRUIT DROP CONTROL ON NAVEL ORANGES**

Mix 2.4 fluid ounces of ALCO CITRUS FIX per acre in 250 to 500 gallons of spray mixture. Apply 6 to 8 weeks after mid-bloom. To be used as a plant growth regulator to reduce summer drop of Navel Oranges. For later summer/fall drop, an application may be made between mid-August and mid-September. CAUTION - The later spray should not be applied for early harvested Navels. Do not apply by air or under windy conditions (see Table #1). Avoid use during periods of leaf flush.

**PRECAUTIONS IN USING**

Growth regulators may cause serious problems if misused. Excessive rates, low volume applications, improper timing, and fluctuating environmental conditions can result in phytotoxicity, crop loss, and/or erratic results. Read the CITRUS FIX product label (EPA Reg. No. 5481-145) instructions carefully for precautions and additional information before using this product.

For Specific Seasonal timing of application contact the Citrus Research and Education Center, 700 Experimental Station Road, Lake Alfred, FL 33850 phone 863-956-1151 or consult a current Florida Citrus Spray Guide.

**APPLICATION CONDITIONS**

(1) Based upon wind speed and direction at the time of application the distance which must separate the closest edge of the area to be sprayed from any commercial "2,4-D susceptible" crop other than citrus is as listed in Table 1. Susceptible crops are defined as commercially produced plants or crops that may be damaged when exposed to low concentrations of organo-auxin herbicides. Examples of susceptible crops are tomatoes, peppers, watermelon, eggplant, and ornamental broadleaf plants.

Table #1

Minimum Distance from Treatment Site to Commercial Crops Other Than Citrus - When Applying With Ground Equipment	
Wind Speed	Distance
0 - 10 mph	2 miles downwind 1/2 mile downwind 1/4 mile downwind
Above 10 mph	Prohibited
Crosswind means wind from a direction of 90° (+/- 10 degrees) to a line drawn between the proposed treatment site and a susceptible commercial crop site.	

(2) Wind speed will be measured at the crop site or up to two miles away and will be taken at spray boom height for ground equipment and at least 6 feet above ground for airblast applications. The measurement site will be located so that structures, plants or terrain features do not interfere with the accuracy of the reading. Wind direction will be estimated as accurately as possible by the person taking the wind speed readings. The applicator or his representative shall take and record wind speed and direction readings before spraying starts and every hour during the spraying operation. A reading shall consist of an average of three measurements taken within a five-minute period. These measurements shall be taken by rotating and positioning the anemometer into the wind in such a manner so as to obtain the maximum wind velocity measurement which will be used to calculate the average reading. An anemometer accurate to within + or - 10 % shall be used to take the wind speed measurements.

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

- (3) Persons making spray applications of ALCO CITRUS FIX shall maintain the following records for two years:
- Name and address of the owner, lessee or tenant, in control of the land and the name and address of the Applicator.
  - Location of site to be treated, location of mixing & loading area and the name and a description of the application equipment used.
  - Date and time of the application.
  - Total amount of ALCO CITRUS FIX and Active Ingredient applied per acre.
  - Total acreage and crop or site treated.
  - Average hourly wind speed and direction.
  - Nozzle type including gallons per minute rating at specified pressure (usually 40 psi) and angle of spray emission if applicable.

**CAUTION**

Do not use equipment used for spraying ALCO CITRUS FIX to spray 2,4-D sensitive plants. Use caution in disposing of solutions as they can kill or cause extensive injury to sensitive plants. Dispose of residues in a manner to avoid contamination of ground water. Avoid spray or product drift to susceptible plants as this product may injure cotton, beans, peas, tomatoes, lettuce, other vegetable crops, strawberries, alfalfa, ornamentals, etc.: (coarse sprays are less likely to drift). Thoroughly clean spray equipment, using hot soap suds followed by soaking and washing with ammonia or baking soda if equipment must be used for other purposes. Do not store near fertilizers, seeds, insecticides or fungicides. Vapors from this product may injure susceptible plants in the immediate vicinity. Protect product from freezing.

**IMPORTANT: PLEASE READ BEFORE USE**

By using this product, the user accepts the following LIMITED WARRANTY:

AMVAC 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, of toxicity to laboratory animals and plants, of 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. Amvac neither makes nor intends, or does it authorize any agent or representative to make, any other warranty, express or implied. Amvac expressly excludes and disclaims all implied warranties of merchantability, fitness for a 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 Amvac's 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 Amvac's option, to replacement of, or repayment of the purchase price for, the quantity of product with respect to which damages are claimed. In no event shall Amvac or seller be liable for special, indirect, or consequential damages resulting from the use or handling of this product.