

AUG - 4 1992

Mr. Warren A. Davis
Rhone-Poulenc
P.O. Box 12014
2 T.W. Alexander Drive
Research Triangle Park, N.C. 27709

Subject: Folex 6EC Herbicide
EPA Reg. No. 264-498
RE: Label amendment.
Your submission dated July 16, 1992.

Dear Mr. Davis:

The above mentioned amendment submitted in connection with registration under FIFRA has been accepted. However, please make the following changes to update your label:

1. Under the "Environmental Hazards" section replace "Do not apply to water or wetlands" with "Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark".
2. Omit "Do not contaminate water by cleaning of equipment, or disposal of wastes".

A stamped copy is enclosed for your records.

Sincerely,

Robert J. Taylor
Product Manager (25)
Fungicide-Herbicide Branch
Registration Division (H7505C)

CONCURRENCES

SYMBOL	H7505C							
SURNAME	HICKS							
DATE	7-30-92							

FOLEX® 6-EC Cotton Defoliant

Very Low Odor - FOR FAST AND EFFECTIVE COTTON DEFOLIATION

ACTIVE INGREDIENT: S, S, S-Tributyl phosphorothioate70.5%

INERT INGREDIENTS:29.5%

Contains 6 pounds S, S, S-Tributyl phosphorothioate per U.S. gallon.

EPA Reg. No. 264-498

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN WARNING AVISO

PRECAUCION AL USUARIO: Si usted no puede leer o entender ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

(PRECAUTION TO THE USER: If you cannot read English, do not use this product until the label has been fully explained to you.)

For **PRODUCT USE** Information Call 1-800-334-9745

For **MEDICAL** And **TRANSPORTATION** Emergences **ONLY** Call 24 Hours A Day 1-800-334-7577

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center. Vomiting should be induced. Drink 1 or 2 glasses of water and induce vomiting by giving one dose (1/2 oz. or 15 ml.) of Syrup of Ipecac. If vomiting does not occur within 10 or 20 minutes, administer a second dose. If Syrup of Ipecac is not available, induce vomiting by sticking finger down throat. Repeat until vomit is clear. Never give anything by mouth to an unconscious person.

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

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

IF IN EYES: Flush eyes with plenty of water. Get medical attention if irritation persists.

NOTE TO PHYSICIAN

This product inhibits cholinesterase resulting in stimulation of the central nervous system, the parasympathetic nervous system and the somatic motor nerves. Poisoning with this product also results in cardiovascular and respiratory symptoms which must be treated as separate pathological entities apart from the cholinergic effects.

Administer atropine sulfate to reverse cholinergic symptoms; and maintain a systematic, symptomatic treatment of the cardio-vascular and respiratory effects, even though the cholinergic symptoms have ceased. Do not give central nervous system depressants. Watch for pulmonary edema, which may develop in serious cases of poisoning even after 12 hours. The use of oxygen is recommended in case of respiratory distress.

PRECAUTIONARY STATEMENTS

WARNING

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

May be fatal if swallowed, inhaled, or absorbed through the skin. Do not breathe spray mist. Causes substantial but temporary eye injury. Do not get in eyes, on skin, or on clothing. Wear protective clothing, rubber gloves, and goggles or face shield. Wear a mask or pesticide respiration jointly approved by the Mine Safety and Health Administration and the National Institute for Occupational Safety and Health. Wash with soap and warm water after handling and before eating drinking or using tobacco. Remove and wash contaminated clothing before reuse.

For protection during application, wear a hat, protective coveralls over short pants and short sleeved shirt (or long sleeved shirt and long legged trousers). In addition, mixer-loaders must wear chemical resistant gloves.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply directly to water or wetlands. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters. Do not contaminate water by cleaning of equipment, or disposal of wastes.

PHYSICAL AND CHEMICAL HAZARDS

Do not use or store near heat or open flame.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

AUG - 4 1992

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, this pesticide
registered under EPA Reg. No.

264-498

RESTRICTIONS

Do not apply FOLEX® 6-EC through any type of irrigation system.

Do not graze treated fields.

Do not use on other crops used for food or forage. Avoid spray drift to susceptible plants other than cotton as this product may injure or defoliate other crops. (Coarse sprays are less likely to drift.)

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.
Read entire label before using this product.

Apply this product only as specified on this label.

REENTRY STATEMENT

Following FOLEX® 6-EC application, do not hand harvest or perform any other activities which may involve human contact with foliage until defoliation occurs. If entry is required to perform activities other than hand harvesting, before defoliation occurs, wear protective coveralls over short pants and short sleeved shirt (or long sleeved shirt and long legged trousers), and chemical resistant gloves.

STORAGE AND DISPOSAL

STORAGE

Do not store near fertilizers, seeds, insecticides, fungicides, feed or feedstuffs. Store in a cool, dry place away from open flame and extreme heat. Store in original container and out of the reach of children, preferably in locked storage area.

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. 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

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local procedures.

If container is leaking, invert to prevent leakage. Carefully dam up spilled material to prevent runoff. Refer to Precautionary Statements for hazards associated with the handling of this product. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides above. In spill or leak incidents, keep unauthorized persons away.

GENERAL INFORMATION

FOLEX® 6 EC is a cotton defoliant that is used to remove leaves from cotton plants prior to anticipated harvesting. Formulated as an emulsifiable concentrate, FOLEX® 6 EC contains 6 pounds active ingredient per gallon. FOLEX® 6 EC is most commonly mixed with water and applied to cotton using either ground or aerial equipment. However, diesel oil may be substituted for water under adverse weather conditions. FOLEX® 6 EC is non corrosive and will not damage metal parts normally used in applying spray chemicals.

FOLEX® 6 EC usually drops leaves in a green condition and will not appear effective until defoliation actually begins, approximately 3 days after application. By this time, the field will have an "off-cast" color. Under favorable conditions, satisfactory leaf drop will require 5 to 7 days. Adverse conditions, such as low temperatures and/or toughened plants (drought stressed, etc.) may extend this to 10 to 14 days.

FOLEX® 6 EC is effective when applied to cotton with a heavy dew. Once FOLEX® 6 EC has dried on the leaf, subsequent rainfall or dew does not adversely affect its activity. Application of FOLEX® 6 EC is not recommended when a heavy rainfall is expected within 1 hour after treatment. Conditions which delay absorption into the leaves are primarily those which cause the cotton leaves to be wilted, toughened, or leathery. When these conditions prevail, use diesel oil instead of water.

FOLEX® 6 EC does not suppress second growth especially where rainfall follows defoliation. A second application of FOLEX® 6 EC will be effective in defoliation of this second growth if excessive regrowth occurs between the first application and first anticipated second harvest. FOLEX® 6 EC must be applied in sufficient water or diesel oil to give thorough coverage of the leaves. Larger droplets more effectively reach the lower leaves.

Use the higher FOLEX® 6 EC rate under conditions of low temperature, low humidity, of plant stress.

FOLEX® 6 EC may be used alone for bottom defoliation of the leaves on the lower portion of the plant as a preconditioner prior to total defoliation, or as a total defoliation treatment. FOLEX® 6 EC may also be used in combination with Dropp (tank mix).

IMPORTANT: Observe all cautions and limitations on labels of all products used in mixtures specifically when FOLEX® 6 EC is tank mixed with products for use on cotton in areas where citrus is grown. Observe buffer zones and other restrictions on the FOLEX® 6 EC label and/or in the manufacturer's recommendations for FOLEX® 6 EC.

MIXING INSTRUCTIONS

FOLEX® 6 EC ALONE: Fill the spray tank 1/2 to 3/4 full with clean water. Begin agitation and add the recommended amount of FOLEX® 6 EC. Add water to the spray tank to the desired level. Maintain sufficient agitation to ensure a uniform spray mixture during application. Follow same mixing instructions when diesel oil is substituted for water.

TANK MIXTURES: Fill the spray tank 1/2 to 3/4 full with clean water and begin agitation. When tank mixing with Dropp, add the recommended amount of Dropp first. After Dropp is thoroughly mixed with water, add the recommended amount of FOLEX® 6 EC. Add water to the spray tank to the desired level. This tank mixture is not registered for use in California. Maintain sufficient agitation while mixing and during application to ensure a uniform spray mixture. If spray mixture is allowed to remain without agitation for short periods of time, be sure to agitate until uniformly mixed before application. Do not use diesel oil when FOLEX® 6 EC is used in a tank mixture with other products. For boll opening and defoliation, see following page.

COMPATIBILITY: To determine the compatibility of FOLEX® 6EC with other products, do the following: (1) pour the recommended proportions of the products into a suitable container of water, (2) mix thoroughly and (3) allow to stand at least five minutes. If the combination remains mixed or can be re-mixed readily, it is considered physically compatible. For further information contact your local Rhône-Poulenc representative.

SPRAY EQUIPMENT CLEANING AND DECONTAMINATION: Do not allow pesticide mixtures to dry in spray equipment. Dried pesticide residues may become resuspended and damage other crops if uncleaned spray equipment is used to apply other products during the same or the following year.

Thoroughly clean the spray equipment with a chemical cleaner before using for other products. Use a cleaner such as "Spic and Span", "Fantastic", or "Formula 409". If chlorate type chemicals have been used in the same spray equipment, thoroughly wash spray tank and particularly dried deposits on aircraft fabric.

Immediately after applying FOLEX® 6EC, remove all unused spray mixture and follow directions on this label for disposal. Thoroughly clean the spray tank, lines, nozzles, and exterior surfaces of spray equipment. Use one of the cleaners listed above. Follow directions on this label for disposal of wash and rinse water.

APPLICATION PROCEDURES

Do not apply FOLEX® 6 EC through any type of irrigation system.

FOLEX® 6 EC alone and in a tank mixture with Dropp can be applied by both ground and aerial equipment.

GROUND APPLICATION

Use a standard high clearance sprayer that provides a uniform and accurate application. Sprayer should be equipped with screens no finer than 50 mesh in the nozzle tips and in-line strainers. A spray volume of 15 to 25 gallons per acre is recommended when FOLEX® 6 EC is applied with water and 5 to 10 gallons per acre is recommended when FOLEX® 6 EC is applied with diesel oil.

AERIAL APPLICATION

Use aerial equipment equipped with a diaphragm-type nozzle that produces cone spray patterns with a maximum spray pressure of 40 psi at the nozzle tips. Nozzles should be located no farther than 3/4 the distance from the center of the aircraft to the end of the wing or rotor. The aircraft should discharge the spray a maximum of 10 feet above the crop. Do not apply when winds may cause drift to adjacent fields.

The spray volume of 5 to 10 gallons per acre should be used when FOLEX® 6 EC and tank mixtures with FOLEX® 6 EC are applied with water. FOLEX® 6 EC alone may be applied in 3 to 5 gallons of spray volume per acre when using diesel oil.

FOLEX® 6 EC RECOMMENDATIONS

PRODUCT	RATE	DIRECTIONS
FOLEX® 6 EC	1 to 1 1/2 Pints/Acre	Bottom Defoliation: Apply when bottom bolls are mature or when youngest bolls cannot be dented by pressure between the thumb and the forefinger or cut through with a sharp knife. Direct spray to thoroughly cover the leaves on the desired portion of plants to be defoliated.
	1 1/3 to 2 Pints/Acre	Complete Defoliation: Apply when fiber quality of top bolls will not be damaged by loss of top leaves, or when top bolls are firm to thumb pressure. Application can be made up until first frost but not later than 7 days prior to harvest.
	2 1/2 Pints/Acre	Defoliation of Rank Cotton: Apply when 50% or more of the bolls are open. Treatment can consist of two applications (example: tank mix) but the total cannot exceed 2 1/2 pints/A. Applications can be made until first frost, but no later than 7 days prior to cotton harvest. Do not apply more than 2 1/2 pints of FOLEX® 6 EC per acre in any crop year.
	2 to 2 1/2 Pints/Acre	Long Staple (Pima) Cotton Defoliation: Apply specified dosage as a tankmix with 0.2 to 0.4 lb. Dropp 50WP per acre. For best results, apply the combination to mature cotton plants with 60% or more open bolls. Not registered for use in California.

FOLEX® 6 EC + DROPP TANK MIX RECOMMENDATIONS

Tank mixtures of FOLEX® 6 EC + DROPP are recommended for total defoliation when heavy regrowth control is required. Defoliation and inhibition of regrowth is obtained when the tank mixture is applied to mature cotton plants when 60% or more bolls are open. A second application of labeled rates of FOLEX® 6 EC + Dropp, or FOLEX® 6 EC alone maybe made where necessary. FOLEX® 6 EC + Dropp tank mixtures are recommended for use in Alabama, Arkansas, Georgia, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee and Texas.

PRODUCT	RATE	DIRECTIONS
FOLEX® 6 EC + Dropp 50 WP	1 to 1 1/3 Pints/Acre + 0.066 to 0.1 lb/Acre	Mix FOLEX® 6 EC and Dropp with water and apply the tank mixture by ground or aerial equipment for total defoliation and regrowth control when minimum night temperature is above 65°F.

Use the high rate of Dropp when environmental conditions favor heavy regrowth. When minimum night temperature is below 60°F use FOLEX® 6 EC alone.

Refer to Dropp label for additional use directions and cautions when using tank mixtures of FOLEX® 6 EC with Dropp.

DEFOLIATION AND BOLL OPENING

The combination of FOLEX® 6 EC and PREP™ Ethephon Plant Regulator is used for total plant defoliation and to accelerate cotton boll opening. FOLEX® 6 EC and PREP™ Ethephon Plant Regulator may be applied as a tank mixture or used in 2 separate sequential applications. Tank mixture of FOLEX® 6 EC + PREP™ is recommended for use in all cotton growing states as is applications of FOLEX® 6 EC sequential to PREP™ (minimum of 4 days between applications). FOLEX® 6 EC + PREP™ tank mixtures or sequential applications should be applied to cotton when there is sufficient mature unopened bolls to produce the desired yield and with 30% to 60% of the cotton bolls are open. If used in rank cotton, a pretreatment with FOLEX® 6 EC (See FOLEX® 6 EC RECOMMENDATIONS for use rate) may be useful to ensure thorough coverage of unopened bolls by later sequential application of PREP™. Refer to and observe all label use directions and precautions on the PREP™ label. Occasionally slight reduction on boll opening response has been observed when tank mixtures of FOLEX® 6 EC + PREP™ have been used.

Always follow the mixing directions found on this label or on the appropriate spray adjuvant label. Contact your local Rhinco-Fulenc representative for additional information or call 1-800-334-9745.

BOTTOM DEFOLIATION: Seed cotton may be lost due to rot and exposure of the bottom bolls. An application of FOLEX® 6EC using shielded drop nozzles (four 8001 fans or two 1/8 K 1 or 1.5 flooding) to the lower leaves, will expose the mature bolls to air movement and sunlight. By removing the picker's top 8 to 12 rows of spindles, the exposure bolls may be harvested. The plant is left green and flexible so the picker will not injure the untreated top leaves and immature bolls. FOLEX® 6EC may be applied for complete defoliation when top bolls are mature.

DEFOLIATION AND INHIBITION OF REGROWTH: Apply FOLEX® 6EC at 1 to 1 1/3 pints plus 0.066 to 0.1 lb. of Dropp 50WP for defoliation and inhibition of secondary growth. Tank-mix activity is maximum when 60% or more bolls are open and the mean 24-hour temperature before and after application is above 60°F. The lower rate of each product may be used when conditions are favorable, for example, high temperatures and high humidity. Adverse conditions may require: (1) the maximum dosage, (2) a second application of (3) longer time for complete defoliation.

Do not apply FOLEX® 6EC plus Dropp 50WP to immature cotton (less than 60% boll open) or higher than recommended product dosages, as desiccation and leaf freezing may occur.

Mix FOLEX® 6EC and Dropp 50WP combinations in the following order: (1) water, (2) Dropp 50WP (follow directions on Dropp 50WP label), (3) adjuvant, if used and (4) after Dropp 50WP has completely dispersed add FOLEX® 6EC.

LIMITED WARRANTY AND DISCLAIMER

The Manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the directions for use when it is used in accordance with such directions; (c) that the directions, warnings and other statements on this label are based upon responsible experts' evaluation of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants; and of residues on food crops; and upon reports of field experience. Tests have not been made on all varieties or in all states or under all conditions. THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE, ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS OR CAUTIONS.

BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES OR INJURIES 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 THE MANUFACTURER'S OPTION, TO REPLACEMENT OF, OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

NOTICE TO BUYER

Purchase of this material does not confer any rights under patents governing this product or the use thereof in countries outside of the United States.

Dropp is a trademark of Nor-Am Chemical Corporation.

Rhône-Poulenc Ag Company
P.O. Box 12014, 2 T W Alexander Drive
Research Triangle Park, North Carolina 27709

FOLEX is a registered trademark of Rhône-Poulenc
PREP is a trademark of Rhône-Poulenc

FOLEX 6-EC Cotton Defoliant (PENDING) Submitted 7/1/92