

TRIBUTYL PHOSPHOROTRITHIOITE 6 EC

COTTON DEFOLIANT

ACCEPTED
 NOVEMBER 14, 1972
UNDER THE FEDERAL INSECTICIDE
 FUNGICIDE AND ROSENICIDE ACT
 ECONOMIC POISON REGISTERED
 E.P. ORDER NO. 2749-253
TOTAL

ACTIVE INGREDIENT:
Tributyl Phosphorotrithioite*

75%

INERT INGREDIENTS:

25%

100%

*Contains 6 lbs. Active per gallon

EPA REG. NO. 2749-253

NET CONTENTS 5 GALLONS

CAUTION: KEEP OUT OF REACH OF CHILDREN.

HAZARDOUS IF SWALLOWED, INHALED, OR EXPOSED TO SKIN. DO NOT BREATHE SPRAY MIST. AVOID CONTACT WITH SKIN, EYES, AND CLOTHING. IF SPILLED ON SKIN, WASH IMMEDIATELY WITH WARM WATER AND SOAP. KEEP AWAY FROM FEEDS, FOODSTUFFS, PETS, LIVESTOCK AND CHILDREN. AFTER USE, WASH HANDS, ARMS AND FACE THOROUGHLY WITH WARM WATER. WASH ALL CONTAMINATED CLOTHING WITH HOT WATER AND SOAP BEFORE REUSE.

THIS PRODUCT IS TOXIC TO FISH. KEEP OUT OF LAKES, STREAMS, OR PONDS. DO NOT APPLY WHERE RUNOFF IS LIKELY TO OCCUR. DO NOT APPLY WHEN WEATHER CONDITIONS FAVOR DRIFT FROM AREAS TREATED. DO NOT CONTAMINATE WATER BY CLEANING OF EQUIPMENT, OR DISPOSAL OF WASTES. APPLY THIS PRODUCT ONLY AS SPECIFIED ON THIS LABEL.

DO NOT REUSE EMPTY CONTAINER. DESTROY IT BY BURYING WITH WASTE OR DISCARDING IN A SAFE PLACE.

DO NOT USE, POUR, SPILL, OR STORE NEAR HEAT OR OPEN FLAME.

TRIBUTYL PHOSPHOROTRITHIOITE 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 5-7 days. Adverse conditions, such as low temperatures and/or toughened plants, may extend this to 10-14 days.

DIRECTIONS FOR USE

BOTTOM DEFOLIATION: To prevent or reduce losses of the bottom crop to boll rot: For maximum effectiveness, apply TRIBUTYL PHOSPHOROTRITHIOITE by high clearance spray rig at the rate of one gallon per six acres (1-1/3 pts. in 10-15 gals. of water per acre) as soon as bottom bolls are mature or just before plants grow together and form a canopy of foliage to shade the ground. In either case, use four fan or two flooding nozzles per row and direct spray to cover all leaves up to the level of the highest mature bolls. Adjust pressure and speed to give fine droplets, but maintain correct volume per acre.

PRECONDITIONING

To aerate rank growth and induce maturity of green plants prior to total defoliation: Apply TRIBUTYL PHOSPHOROTRITHIOITE at the rate of one-half pint per acre by airplane or by ground equipment approximately 7-10 days before making the application for total defoliation (either by adding this amount to the last insecticide application or by making a separate Pre-Conditioning application). Use TRIBUTYL PHOSPHOROTRITHIOITE as a Pre-Conditioner only after fibre quality of the youngest bolls which will be harvested will not be damaged. Do not mix with insecticide formulations which contain quantities of organic solvents. Pre-Conditioning of early-maturing cotton varieties is generally not recommended.

TOTAL DEFOLIATION

Under normal conditions, it is safe to apply TRIBUTYL PHOSPHOROTRITHIOITE 6EC when fiber quality of the top bolls will not be damaged by loss of the top leaves which feed these bolls (top bolls firm to thumb pressure). TRIBUTYL PHOSPHOROTRITHIOITE 6EC will not damage the bolls directly or cause them to open prematurely.

Following Pre-Conditioning, apply 1 1/2 pints per acre in water. If night temperatures by this time consistently fall below 55°F, use white diesel oil instead of water (see Table for gallonage).

The following Table is a guide to be used when plants have not been Pre-Conditioned, but can be defoliated satisfactorily with one total application.

Defoliation Conditions	Minimum Night Temps.	Pints/Acre	Apply In	Gallon Total Spray/Acre	
				AIR	GROUND
Ideal	Above 65 F	1 1/2	Water	5-12	15-25
Average	55-65 F	1 1/2-2	Water	5-12	15-25
Adverse	Below 55 F	2	Diesel Oil	5-8	10-15

Rain following application of TRIBUTYL PHOSPHOROTRITHIOITE 6EC in water will not reduce the effectiveness, if it has been absorbed by the leaf. Conditions which delay absorption are primarily those which cause the cotton leaves to be wilted, toughened, or leathery. When these conditions prevail, use diesel oil instead of water.

HOW TO APPLY

Ground machines should have at least 5 nozzles per row including one overhead nozzle and have pressure and speed adjusted to give fine droplets yet maintain the correct spray volume per acre. Aerial applications should fly as close as possible to the plant tops and avoid application during the excessive temperatures of mid-day and when winds may cause drift to adjacent fields.

TOUCH-UP APPLICATIONS

Pre-Conditioning will usually eliminate the necessity for two total applications. However, when leaves are extremely tough or plants badly lodged, it may be desirable to follow the initial total application in approximately 5-7 days with a touch-up treatment. If so, use 1 1/2 pints per acre in white diesel oil. (See Table for Gallonage).



Manufactured for:

ACETO CHEMICAL CO., INC.
AGRICULTURAL CHEMICALS DIV.

126-02 NORTHERN BOULEVARD, FLUSHING, N.Y. 11368