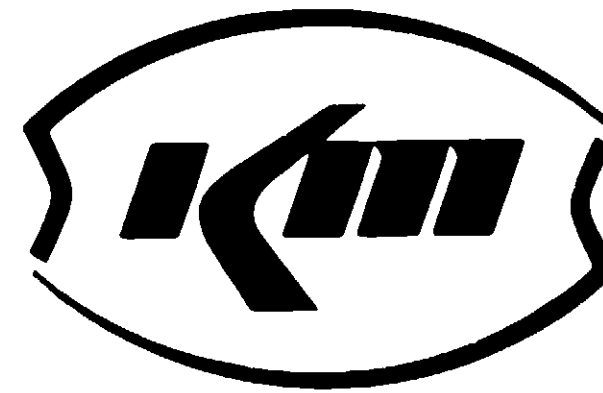


February 8, 1975

UNDER THE
FUNGICIDE
ACT
EPA

2342-749



DIRECTIONS FOR USE

TUMBLEAF cotton defoliant is a granular product containing fire retardants which is to be dissolved in water and the solution applied as a spray to mature cotton. Applications can be made by either ground or aerial spray equipment. Surfactants (spreader-stickers), insecticides, herbicides or other defoliants should not be added to the solution.

Effective defoliation of cotton occurs when TUMBLEAF cotton defoliant is applied to cotton plants that are mature (80% of bolls are firm to thumb pressure) and are in stress (available moisture and nitrogen are in restricted phase). Speed of defoliation decreases as nighttime temperatures fall below 55° F. Rain following application does not drastically reduce defoliation effectiveness. Under favorable conditions, leaf drop will start in several days and be complete within 7-10 days.

A preconditioning application of TUMBLEAF cotton defoliant is not recommended as such application inhibits the growth of immature bolls. The recommendations of your State Agricultural Experiment Station or State Agricultural Extension Service should be followed.

APPLICATION RATES

The table below gives application rates for various conditions of the cotton crop.

Condition of the Crop		Pounds TUMBLEAF Cotton Defoliant Per Acre to Apply
Short or Thin	In Stress (Cut Out)	4
	Not in Stress (Cut Out)	5
Good	In Stress (Cut Out)	6
	Not in Stress (Cut Out)	8
Dense Foliage	Apply five pounds per acre and follow in four to six days with a four pound per acre application.	

To prepare a batch of spray solution:

(1) Determine number of acres to be treated, and select pounds of TUMBLEAF defoliant per acre to be applied. Multiply to obtain total pounds TUMBLEAF defoliant to be applied to this acreage.

(2) Select spray solution application rate in gallons per acre, and multiply by number of acres to be treated to obtain gallons of spray solution required.

(3) Run sufficient water, equal to about 9/10ths of the gallonage of spray solution to be prepared, into the batch tank, add required pounds of TUMBLEAF defoliant, and agitate until solids are dissolved. Then add sufficient additional water to bring the volume to the required amount, and agitate to mix. TUMBLEAF defoliant may be added directly to the batch tank as water is being run in.

Revision A

EPA Est. 2342-NV-1

tumbleafTM

Cotton Defoliant

ACTIVE INGREDIENT

BY WEIGHT

Sodium chlorate 56.3%
INERT INGREDIENTS 43.7%

WARNING

KEEP OUT OF REACH OF CHILDREN.

See side panel for additional precautionary information.

NET WEIGHT

POUNDS



MANUFACTURED BY
KERR-McGEE CHEMICAL CORPORATION
OKLAHOMA CITY, OKLAHOMA

leafTM
oliant

BY WEIGHT

..... 56.3%
..... 43.7%

CHILDREN.

ary information

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BY
AL CORPORATION
LAHOMA

Ground application - Use high clearance spray equipment with at least five nozzles per row including one overhead nozzle, and adequate pressure to maintain a spray volume of 15 to 25 gallons of solution per acre.

Aerial application - Maintain a spray volume of 5 to 10 gallons of solution per acre. To reduce drift, applicators should fly close to the crop and should not apply during periods of thermal inversion. Accurate, uniform placement of the spray solution is essential for effective defoliation.

Cleaning Spray Equipment: Equipment used to apply other types of defoliants (including areas of contamination inside and outside the fuselages of spray planes) must be cleaned to remove all residues before TUMBLEAF cotton defoliant is used. Failure to follow these directions may result in fire or other damage to the equipment. Equipment must also be cleaned after using TUMBLEAF cotton defoliant.

ENVIRONMENTAL PRECAUTIONS - This product is nonselective and is harmful to all vegetation. Spray, drift, seepage, and drainage will injure or kill all vegetation. Do not contaminate water by cleaning of equipment, or disposal of wastes. Apply this product only as specified on this label. Do not reuse container. Destroy when empty.

NOTE - Do not apply more than 9 pounds per acre. Do not apply within 7 days of harvest. Do not graze treated areas or feed gin waste to livestock.

CONDITIONS OF SALE

All statements concerning the use of this product apply only when the product is used as directed. THERE ARE NO WARRANTIES INCLUDING MERCHANTABILITY WHICH EXTEND BEYOND THE DESCRIPTION ON THE LABEL. The manufacturer shall in no event be liable for consequential damages. Read all directions carefully.

PRECAUTIONARY INFORMATION: WARNING! Oxidizer. Contact with other material may cause fire. May cause irritation. Harmful if swallowed. Keep from contact with clothing and other combustible materials. Keep from contact with sparks, impact, abrasion or any other sources of heat. Do not store near combustible materials. Store in original tightly closed container. Do not repackage in any other container. Wash thoroughly after handling. Avoid contact with eyes, skin and clothing. Avoid contamination of feed and foodstuffs. In case of fire, soak with water. In case of spill, flush spill area with water spray.

FIRST AID - In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes. Flush skin with water. Wash clothing before reuse.

EPA Reg. No. 2342-949

C-12-74-W



OXIDIZING MATERIAL, n.o.s.

leafTM
oliant

BY WEIGHT

56.3%

43.7%

LDREN.

NDS

BY
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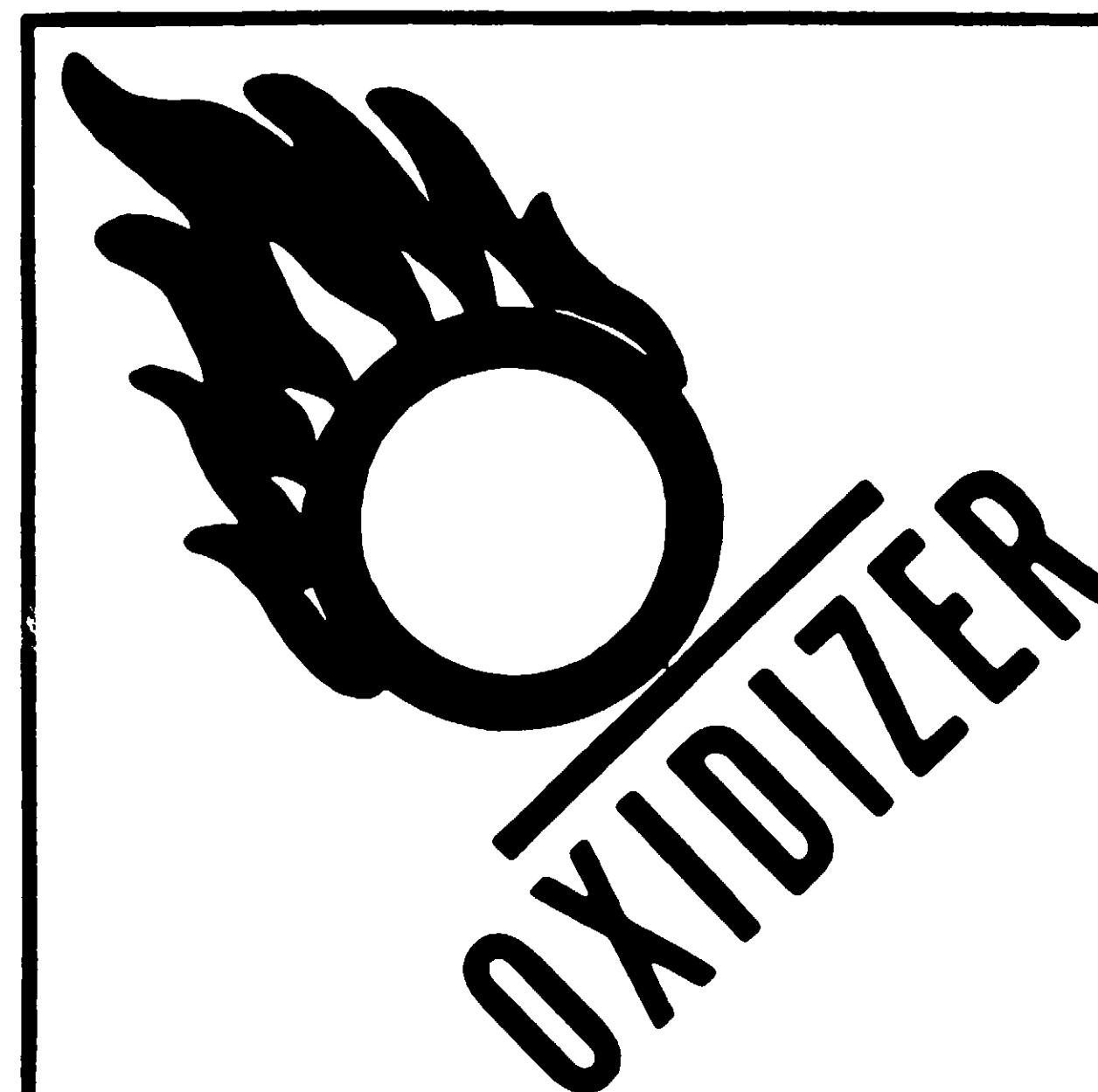
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