



DIRECTIONS FOR USE

TUMBLEAF Cotton Defoliant Concentrate 4 is a solution containing fire retardant which is mixed with water and the resultant solution applied as a spray to mature cotton plants. TUMBLEAF Concentrate 4 contains 4 pounds of dry granular TUMBLEAF Cotton Defoliant. Application can be made by either ground or aerial spray equipment. Insects, weeds, grasses, and other plants are not to be injured by this solution. Effective defoliation of cotton occurs when TUMBLEAF Cotton Defoliant is applied to cotton plants that are mature (80-90%) and are free to shed their leaves. Defoliation is most effective when mature cotton plants are in the shedding phase. Speed of defoliation is increased by high temperature, low humidity, and high wind following application. Defoliation of cotton plants is most effective when applied to cotton plants during the shedding phase. Defoliation of cotton plants is most effective when applied to cotton plants during the shedding phase. Defoliation of cotton plants is most effective when applied to cotton plants during the shedding phase.

A predefoliation application of TUMBLEAF Cotton Defoliant Concentrate 4 is recommended as such applications inhibit the growth of mature cotton plants. The recommended application rate is 1.0 to 1.5 gallons of TUMBLEAF Cotton Defoliant Concentrate 4 per acre. Application should be made during the shedding phase.

APPLICATION RATE

Condition of the Crop	Application Rate (Gallons of TUMBLEAF Cotton Defoliant Concentrate 4 per Acre)
Stress	1.0
Stress	1.0
Stress	1.0
Stress	1.0
Stress	1.0
Stress	1.0
Stress	1.0
Stress	1.0
Stress	1.0
Stress	1.0

For ground application of spray solution:

1. Determine number of acres to be treated and select application rate of TUMBLEAF Cotton Defoliant Concentrate 4 to be applied. Multiply total acres by total gallons of TUMBLEAF Cotton Defoliant Concentrate 4 to be applied to this acreage.

2. Mix spray solution of application rate in a clean container and multiply by number of acres to be treated to get total gallons of spray solution required.

3. Put sufficient water equal to about 1/4th of the gallons of spray solution to be prepared in the tank and add 2000 gallons of TUMBLEAF Cotton Defoliant Concentrate 4 to the tank and agitate until thoroughly mixed. Then add sufficient additional water to bring the volume to the required amount and agitate for 15 minutes. TUMBLEAF Cotton Defoliant Concentrate 4 may be added directly to the tank and water added as desired.

Rev. 5-68

EPA REG. NO. 131-NV-1

tumbleafTM

Cotton Defoliant

LIQUID CONCENTRATE 4

U.S. PATENT 3,867,125

ACTIVE INGREDIENT
Sodium chlorate
INERT INGREDIENTS

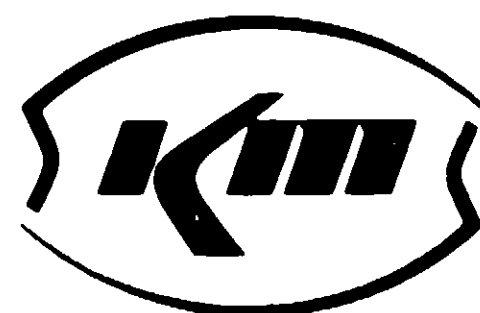
BY WEIGHT
21.3%
78.7%

CAUTION
KEEP OUT OF REACH OF CHILDREN.

NET CONTENTS GALLONS



MANUFACTURED BY
KERR-MCGEE CHEMICAL CORPORATION
OKLAHOMA CITY, OKLAHOMA



tumbleafTM

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LIQUID CONCENTRATE 4

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GALLONS



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Ground application Use high clearance spray equipment with at least five nozzles per row including overhead nozzles and adequate pressure to maintain a spray volume of 5 to 10 gallons 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 Concentrate 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 Concentrate.

Environmental Precautions This product is extremely toxic to aquatic life. Avoid spray drift, leakage, and drainage which may kill or injure fish. Do not contaminate water by cleaning of equipment or disposal of waste. Dispose of waste in accordance with federal, state and local regulations. Apply to crops only as specified on the label. Do not reuse container. Destroy when empty.

NOTE Do not apply more than 1.5 pounds of concentrate per acre. Do not apply within 7 days of harvest. Do not graze treated areas for feed or work 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 CAUTION! May cause skin irritation. Harmful if swallowed. Avoid contact with eyes, skin or clothing. Wash thoroughly after handling.

FIRST AID In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician. Flush skin with water. Wash clothing before reuse.
EPA Reg. No. 2342-959 C-675 W