

# 20 MULE TEAM **MAINTAIN® CF 125**

**A PLANT GROWTH RETARDANT**

**For Turf and associated broadleaf weeds; trees, shrubs, vines**

<b>Active Ingredients:</b>	<b>By Wt.</b>
Methyl 2-chloro-9-hydroxyfluorene-9-carboxylate ...	8.8%
Methyl 9-hydroxyfluorene-9-carboxylate .....	2.1%
Methyl 2,7 dichloro-9-hydroxyfluorene-9-carboxylate ..	1.6%
<b>INERT INGREDIENTS</b> .....	87.5%
	<b>Total 100.0%</b>

Contains 1.0 pound per gallon active ingredients.

KEEP OUT OF REACH OF CHILDREN

**CAUTION**

SEE SIDE PANEL FOR ADDITIONAL  
 PRECAUTIONARY STATEMENTS

A 20 MULE TEAM® Product



Manufactured by:  
 United States Borax & Chemical Corporation  
 Los Angeles, CA 90010



ACCEPTED

NOV 1982

U.S. DEPARTMENT OF AGRICULTURE  
 ARIZONA STATE UNIVERSITY  
 ARIZONA AGRICULTURAL EXPERIMENT STATION  
 TUCSON, ARIZONA

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION**

Harmful if swallowed. May cause irritation of eyes, nose, throat and skin. Avoid breathing spray mist. Avoid contact with skin and clothing. Wash hands, face and clothing after use. In case of skin contact, wash thoroughly with soap and water. For eye contact, wash with plenty of water. If irritation persists, consult physician.

Avoid contamination of food and feed.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish. Keep out of lakes, ponds or streams. Do not contaminate water by cleaning of equipment or disposal of wastes.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not use or store near heat or open flame.

**DIRECTIONS FOR USE**

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

**STORAGE AND DISPOSAL**

1. **PROHIBITIONS:** Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container. Store above 4°C.
2. **PESTICIDE DISPOSAL:** Pesticide, spray mixture or residue that cannot be used according to label instructions must be disposed of according to applicable Federal, State or local procedures.
3. **CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then dispose of in a sanitary landfill, or by other approved State and local procedures.

**IMPORTANT:** This material is not selective in action and affect all types of vegetation. Care should be taken to insure the use or application to the particular area intended to be treated, and to avoid its contact with crops or other desirable plants. Not to be used on food or feed crops. Keep livestock off treated areas. Do not feed treated vegetation to livestock. Do not treat woody plants for food production. Use only on noncropland. Mechanical equipment should be thoroughly cleaned after use. **APPLY THIS PRODUCT ONLY AS SPECIFIED ON LABEL.**

**WIDE SPECIES EFFECTIVELY RETARDED WITH MAINTAIN CF 125:** Annual bluegrass, Bahia grass, Spring red fescue, crested wheatgrass, Kentucky bluegrass, Kentucky 31 fescue, quackgrass, ryegrass, smooth top, tall wheatgrass, timothy

**BROADLEAF WEED SPECIES EFFECTIVELY CONTROLLED WITH MAINTAIN CF 125:** Black medic, Field campion, chickweed, chicory, cinquefoil, clovers, dandelion, docks, fleabane, hawksbeard, kudzu, lis, plantain, ragweed, yarrow, and similar miscellaneous species.

**GRASSES, BROADLEAF WEEDS**

**WHERE TO USE:** MAINTAIN CF 125 is recommended for use on areas where regular mowing and trimming maintenance are difficult, such as, under security fences and bird rails, around sign posts, delineator posts, culverts, ditches, median strips, and ditch or steep banks

**WHEN TO USE:** On established turf and associated broadleaf weeds, best results are obtained when treatments are applied in the spring when grasses are just beginning to green up and are 2 to 3 inches high, or 3 to 5 days after first spring mowing in situations where ample rainfall promotes rapid and sustained summer regrowth. Applications generally maintain the turf by inhibiting the development of seed and retarding vegetative growth. The overall appearance of the turf is enhanced by an extended period of dark green color of the grass and by excellent control of broadleaf weeds. Applications may be made throughout the growing season for effective broadleaf weed control.

**RATES:** On established turf and associated broadleaf weeds, 2 to 3 gallons of MAINTAIN CF 125 (2 to 3 pounds active material) per acre in 50 gallons of water are recommended. Even application to insure uniform wetting of grass and herbaceous weed foliage is essential for most effective results. Continue agitation during spraying operation.

Do not mow turf and weeds until all evidence of growth retardant has disappeared. Early mowing will greatly reduce the effectiveness of growth retardant treatment.

**TREES, SHRUBS, VINES**

**USES:** MAINTAIN CF 125, applied to the foliage, effectively retards the growth of most trees, shrubs and vines.

**WHERE TO USE:** On trees, shrubs, and vines growing under utility lines, as screens or ground cover adjacent to highways, in hedge rows and parks.

**WHEN TO USE:** A foliage spray should be made after a flush of growth or after pruning and the new leaves have fully developed so that the plant is in the desired density, size and shape. Tender new growth may curl or twist. Flowering species treated before bud expansion may have a blossom reduction.

Applications generally maintain woody plants by inhibiting terminal growth. MAINTAIN CF 125 will effectively retard woody plant growth for two months on rapidly growing, and frequently trimmed hedges) to six months on vines such as Algerian Ivy and up to a year or more on deciduous hardwoods.

Gymnosperms (conifers, junipers, etc.) must be treated before buds expand in order to prevent distortion of new growth. Treatment when candles are tender often causes developing branches to droop.

**RATES:** 1 pint/100 gal of water = 1sp/gal = 150 ppm

	pts / 100 gal.		pts / 100 gal.
<b>Deciduous Hardwood</b>		<b>Shrubs</b>	
Alder, Red	2-6	Abelia	1-2
Ash	1	Acacia	1-3
Cottonwood, Black	6-8	Calliandra	1/2 - 1/4
Elm, Siberian	1	Crape Myrtle	2
Maple, Big Leaf	8	Elaeagnus	1-2
Maple, Vine	8	Euonymus	1-2
Maple, Silver	4-8	Hibiscus	1/2 - 1
Willow Golden	2-6	Jasmine	1-2
<b>Gymnosperms</b>		Metaleuca	1
Fir	1/4	Oleander	8
Juniper	1/4 - 1	Plumbago	1
Pine, Austrian	1/4 - 1	Privet	1/2 - 1 1/2
Pine, Lodgepole	1/4 - 1	Xylosma	1
Spruce, Sitka	1/4 - 1		
Redwood	1/4 - 1		
<b>Vines and Ground Cover</b>			
Ice Plant	4		
Ivy, Algerian	8		
Ivy, English (Hahn)	1-2		
Kudzu	6-8		

**FOR BARK BANDING TO INHIBIT TREE GROWTH**

**PREPARING A SPRAY MIX**

Add 1 gallon of MAINTAIN CF 125 to 11 gallons of a mixture containing 70% oil carrier (such as No. 2 diesel) plus 30% toluene. The resulting spray mix will contain approximately 1% active ingredient. Frequent agitation of the mix is necessary. An emulsifier mixture containing 9 parts of Span 80 and 1 part of Tween 80 has been effective in stabilizing the spray mix (use 1 gallon of emulsifier mixture to each gallon of MAINTAIN CF 125 and 10 gallons of oil).

**APPLICATION OF SPRAY MIX**

1. Apply to trunk or scaffold branch a band width determined by multiplying the diameter of the trunk or branch and the species factor.

Species	Species Factor
Abies concolor, White fir	1
Eucalyptus globulus, Blue gum	8
Eucalyptus sideroxylon, Ironbark	6
Ficus nitida, Laurel fig	4
Fraxinus uhder, Shamal ash	2
Fraxinus velutina, Arizona Ash	2
Grevillea robusta, Silk oak	1
Liquidambar styraciflua, Sweet gum	1
Pinus canariensis, Canary Island pine	1
Pinus radiata, Monterey pine	1
Pinus halapensis, Aleppo pine	1
Schinus molle, California pepper	1
Schinus terebinthifolia, Brazilian pepper	1
Tamarix aphylla, Aither	1
Ulmus parvifolia, Paperbark elm	2
Ulmus pumila, Siberian elm	1

2. Three-gallon hand carried sprayers are adequate.
3. DO NOT apply to trees which have been heavily pruned (50% or more of foliage removed).
4. DO NOT treat small or diseased trees or trees under stress.
5. Pine trees must have developed a set of full new leaves and also must not be in candle stage.
6. Deciduous trees must have minimum of four or five full leaves on terminals before treatment.

**IMPORTANT**

Before using MAINTAIN CF 125 carefully read the label and follow the precautions. Read the regular labels of each product and follow the precautions and directions. Use only on noncropland. Do not treat woody plants used for food production. Avoid drift.

**NOTICE:** Because of many varying conditions affecting use and application, such as location, seasonal weather, soil composition and type of vegetation, manufacturer warns buyer that these and other conditions may impair or vary the results or effects of the use of this product. In any event, complete elimination of weeds is not guaranteed. It is advisable to consult your State Extension Service or Agricultural Experiment Station weed specialists on specific problems. Neither manufacturer nor seller shall be liable in respect to any injury or damage suffered by reason of the use of this product for a purpose not indicated by the label or when used contrary to the directions or instructions hereon with respect to breach of any warranty not expressly specified herein. Buyer accepts this material subject to these terms and assumes all risk of usage and handling except when used or handled in accordance with this label. Neither manufacturer nor seller makes, and their employees and agents are not permitted to make any representations or warranties, express or implied by law, not specifically set forth herein.