

Forest Site Preparation

FOREST SITE PREPARATION (not for conifer release): Use 2 to 3 gallons of GARLON 3A Herbicide and 1/4 to 1 pt of an agricultural surfactant and apply in a total spray volume of 10 to 30 gallons per acre. **For conifer release:** Use 1 to 2 gallons of TORDON 101 Mixture 2,4-D 3.8 lb low volatile ester in a tank mix combination in a total spray volume of 10 to 30 gallons per acre.

NOTE: Conifers planted sooner than one month after treatment with GARLON 3A at less than 1 1/3 gallon per acre or sooner than two months after treatment at 1 1/3 to 3 gallons per acre may be injured. When tank mixtures of herbicides are used for forest site preparation, labels for all products in the mixture should be consulted and the longest recommended waiting period observed.

Control Of Brush On Conifer Plantations In The Northeastern United States

BROADCAST APPLICATIONS FOR CONIFER RELEASE: To release spruce, fir, red pine and white pine from competing hardwoods, such as red maple, sugar maple, striped maple, alder, birch (white, yellow or grey), aspen, ash, pin cherry and rubus sp. and perennial and annual broadleaf weeds, use GARLON 3A herbicide at rates of 2 to 4 quarts per acre alone or plus 2,4-D amine or 2,4-D ester to provide no more than 4 pounds acid equivalent per acre from both products. Applications should be made in late summer or early fall after conifers have formed their overwintering buds and hardwoods are in full leaf and prior to autumn coloration.

Control of Brush on Conifer Plantations in the Southeastern United States

DIRECTED SPRAY APPLICATIONS FOR CONIFER RELEASE: To release loblolly, slash, longleaf and white pines from competing hardwoods, such as red maple, sweetgum, white and red oaks, ash and hickory, use 1 to 2 gallons of GARLON 3A Herbicide in enough water to make 100 gallons of spray mixture. This spray mixture should be applied any time after the hardwoods have reached full leaf size, but before autumn coloration. This technique should be limited to use on hardwoods 6 feet or less in height to ensure adequate coverage. Care should be taken to direct spray away from foliage contact by pine seedlings.

NOTE: Sprays may cause discolored needles and temporary growth suppression of some conifers, but they should recover and grow normally.

Cut Surface Treatment

In rights-of-way, other non-crop areas, and forests to control unwanted trees of hardwood species such as elm, maple, oak and conifers, apply GARLON 3A Herbicide, either undiluted or diluted in a 1 to 1 ratio with water, as directed below:

WITH TREE INJECTOR METHOD: Applications should be made by injecting 1/2 milliliter of undiluted GARLON 3A or 1 milliliter of the diluted solution through the bark at intervals of 3-4 inches between centers of the injector wound. The injections should completely surround the tree at any convenient height.

WITH FRILL OR GIRDLE METHOD: Make a single girdle through the bark completely around the tree at a convenient height. Wet the cut surface with undiluted or diluted solution.

Both of the above methods may be used successfully at any season except during periods of heavy sap flow of certain species - for example maples.

STUMP TREATMENT: Spray or paint the cut surfaces of freshly cut stumps and stubs with undiluted GARLON 3A. The cambium area next to the bark is the most vital area to wet.

SUGGESTED USE RATES

APPLICATION SITE	GAL. PRODUCT PER 100 GAL. WATER	GALLONS PER ACRE OF PRODUCT		
		HIGH VOLUME ¹ 100-400 gal/A Total Spray Volume	LOW VOLUME BROADCAST ² 20-100 gal/A Total Spray Volume	AERIAL Helicopter, 10-30 gal/A Total Spray Volume
Utility & Pipeline Rights-Of-Way	Woods and Brush 1/2-1	Woods 1/2-1 1/2	Brush 2-3	Brush 2-3 ³
Roadsides	1/2-1	1/2-1 1/2	2-3	
Railroads	1/2-1	1/2-1 1/2	2-3	
Industrial Sites	1/2-1	1/2-1 1/2	2-3	
Forest Site Preparation	1/2-1	1/2-1 1/2	2-3	2-3 ³

- 1/4 - 1/2 gal may be tank mixed with 1/4 to 1/2 gal 2,4-D 3.8 lb amine or low volatile ester or TORDON 101 Mixture.
- 1/3 - 1 gal may be tank mixed with 1/2 - 1 gal 2,4-D 3.8 lb amine or low volatile ester or TORDON 101 Mixture for weed control; or 1/2 - 1 gal GARLON 3A with 1 - 2 gal of the aforementioned products for brush control.
- 1 - 1 1/2 gal may be tank mixed with 1 - 2 gal 2,4-D 3.8 lb amine or low volatile ester or TORDON 101 Mixture.
- 1 - 1 1/2 gal may be tank mixed with 1 - 2 gal of 2,4-D 3.8 lb low volatile esters or TORDON 101 Mixture.

USE PRECAUTIONS

Apply this product only as specified on this label.

Before using any recommended tank mixtures, read the directions and all use precautions on both labels.

Do not apply GARLON 3A Herbicide directly to, or otherwise permit it to come into direct contact with grapes, tobacco, vegetable crops, flowers or other desirable broadleaf plants and do not permit spray mists containing it to drift into them.

AVOID INJURIOUS SPRAY DRIFT: Applications should be made only when there is little or no hazard from spray drift. Very small quantities of spray, which may not be visible may seriously injure susceptible plants. Do not spray when wind is blowing toward susceptible crops or ornamental plants near enough to be injured. It is suggested that a continuous smoke column at or near the spray site or a smoke generator on the spray equipment be used to detect air movement, lapse conditions, or temperature inversions (stable air). If the smoke layers or indicates a potential of hazardous spray drift, do not spray.

Aerial Application: For aerial application on rights-of-way or other areas near susceptible crops, use NALCO-TRCL(a) drift control additive as recommended by the manufacturer or apply through the MICROFOIL(b) boom, THRUVALVE(c) boom, or equivalent drift control system. Thickened sprays prepared by using high viscosity invert systems or other drift reducing systems may be utilized if they are made as drift-free as are mixtures containing NALCO-TROL or applications made with the MICROFOIL boom or THRUVALVE boom. If a spray thickening agent is used, follow all use recommendations and precautions on the product label. Do not use a thickening agent with the MICROFOIL boom, THRUVALVE boom, or other systems that cannot accommodate thick sprays.

With aircraft, drift can be lessened by applying a coarse spray; by using no more than 30 pounds spray pressure at the nozzles; by using a spray boom no longer than 3/4 the rotor length; by spraying only when wind velocities are low; or by using approved drift control system.

- (a) Trademark of NALCO Chemical Company.
(b) Trademark of Union Carbide Agricultural Chemical Division
(c) Trademark of Waldrum Specialties, Inc.

Ground Equipment: To aid in reducing spray drift GARLON 3A should be used in thickened (high viscosity) spray mixtures using NALCO-TROL drift control additive, high viscosity inert systems, or equivalent as directed by the manufacturer. With ground equipment, spray drift can be reduced by keeping the spray boom as low as possible; by applying 20 gallons or more of spray per acre; by using no more than 30 pounds spraying pressure with large droplet-producing nozzle tips; and by spraying when wind velocity is low. Do not apply with nozzles that produce a fine-droplet spray.

High Volume Leaf-Stem Treatments: To minimize spray drift, do not use pressure exceeding 50 psi at the spray nozzle and keep sprays no higher than brush tops. NALCO-TROL thickening agent or equivalent may be used to reduce drift.

Do not apply on ditches used to transport irrigation water. Do not apply where runoff or irrigation water may flow onto agricultural land as injury to crops may result.

Do not graze treated areas or feed treated forage for one year following application.

Be sure that use of this product conforms to all applicable regulations.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

STORAGE: Store above 28° F or agitate before use.

DISPOSAL:

Prohibitions - Open dumping is prohibited.

Pesticide Disposal - Pesticide wastes are acutely hazardous. 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 approved state and local procedures. Plastic containers may also be disposed of by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

General - Consult federal, state, or local disposal authorities for approved alternative procedures.

WARRANTY LIMITATIONS AND DISCLAIMER

The Dow Chemical Company warrants that this product conforms to the chemical descriptions on the label and is reasonably fit for the purposes stated on the label when used in accordance with the directions therein under normal conditions of use. THIS IS THE ONLY WARRANTY MADE ON THIS PRODUCT. NO OTHER EXPRESS AND NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS MADE OUTSIDE OF THIS LABEL. Therefore, neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product contrary to label instructions (including conditions noted on the label, such as unfavorable temperatures, soil conditions, etc.), under abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes, etc.) or under conditions not reasonably foreseeable to or beyond the control of seller.

When buyer or user suffers losses or damages resulting from the use or handling of this product (including claims based on contract, negligence, strict liability, or other legal theories), buyer or user must promptly notify in writing The Dow Chemical Company of any claims to be eligible to receive either remedy given below. The EXCLUSIVE REMEDY OF THE BUYER OR USER and the LIMIT OF LIABILITY of The Dow Chemical Company or any other seller will be one of the following, at the election of The Dow Chemical Company:

- (1) Refund of purchase price paid by buyer or user for product bought, or
 - (2) Replacement of amount of product used.
- The seller will not be liable for consequential or incidental damages or losses.

The terms of this Warranty Limitations And Disclaimer cannot be varied by any written or verbal statements or agreements. Any employee or sales agent of the seller is not authorized to vary or exceed the terms of this Warranty Limitations And Disclaimer in any manner.

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THE DOW CHEMICAL COMPANY
Midland, Michigan 48674 U.S.A.

SPECIMEN LABEL 86-1452 DATE CODE B386
REPLACES 86-1452 DATE CODE A685
DISCARD PREVIOUS SPECIMEN LABELS

REVISIONS INCLUDE:
1) GENERAL INFORMATION REVISION
2) REVISED USE PRECAUTIONS

ENVIRONMENTAL HAZARDS

Do not apply directly to lakes, ponds or streams. Do not contaminate water by cleaning of equipment or disposal of wastes.

Notice: It is a violation of federal laws to use any pesticide in a manner that results in the death of an endangered species or adverse modification of their habitat.

RE-ENTRY AND WORKERS PROTECTION STATEMENTS

Do not apply this product in such a manner as to directly or through drift, expose workers or other persons. The area being treated must be vacated by unprotected persons. Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

STORAGE AND DISPOSAL

Keep from freezing. Store above 32°F.

Do not contaminate water, food or feed by storage or disposal.

Pesticide wastes are acutely hazardous. 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.

Triple rinse container (or equivalent). Puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Do Not Re-Use Empty Container.

