



Pre-emergent Herbicide for the Control of Grasses, Annual Sedges and Broadleaf Weeds in Production Ornamentals, Conifers, Christmas Trees, Greenhouse Floors, Production Sites and Hardscapes

DO NOT USE FOR THE MANUFACTURING OF FERTILIZER

ACTIVE INGREDIENT:

Ind	azifla	m					7.4
01	HEF	RINGRE	DIEN	ITS	:		92.6

Contains 0.622 lbs active ingredient per gallon

EPA Reg. No. 432-1518

KEEP OUT OF REACH OF CHILDREN

For MEDICAL and TRANSPORTATION Emergencies
ONLY Call 24 Hours A Day 1-800-334-7577
For PRODUCT USE Information Call 1-800-331-2867

See Back Panel for First Aid Instructions and Booklet for Complete Precautionary Statements and Directions for Use.

Net Contents 64 FI Oz (1.9 L) 84967874 84919667B 170919AV1

	FIRST AID
If swallowed:	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce womiting unless told to do so by a poison control center or doctor. Do not give anything to an unconscious person.
If in eyes:	Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing. Call a poison control center or doctor for treatment advice.
If on skin or clothing:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
If inhaled:	Move person to fresh air. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor PRECAUTIONARY STATEMENTS

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear long-sleeved shirt and long pants, and shoes plus socks. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS STATEMENTS:

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing/PPE immediately if pesticide gets inside. Then wash body thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

or going for treatment.

This product is toxic to fish, aquatic invertebrates, and plants. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean watermark. Do not contaminate water when disposing of equipment rinsate or washwater. This product may enter water through spray drift or runoff. Follow directions for use to avoid spray drift and runoff. A level well maintained vegetative buffer strip between areas to which this product is applied and surface water features including ponds, streams, and springs will reduce the potential for getting into water from rainfall-runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours

This product may enter water through drift of spray in wind. Follow precautions for use to avoid wind spray drift.

Surface Water Advisory: This pesticide may impact surface water quality due to runoff of rain

water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having a high potential for reaching surface water via runoff for several months or more after application.

Ground Water Advisory: This pesticide has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow.

DIRECTIONS FOR USE

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

Read entire label before using this product.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry intervals. The requirements in this box only apoly to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is coveralls, waterproof gloves and shoes plus socks.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Keep unprotected persons out of the treated areas until sprays have dried.

PRODUCT INFORMATION

MARENGO® is a selective, pre-emergent alkylazine herbicide. MARENGO provides extended residual control of many annual grasses including crabgrass, goosegrass, and annual bluegrass, as well as annual sedges, and many broadleaf weeds. Use sites include production nurseries including field and container grown ornamentals; conifers and Christmas trees; non-bearing fruit and nut trees in nurseries; greenhouse floors, ornamental production facilities (such as shadehouses, hoophouses, lathhouses); and hardscapes. MARENGO also demonstrates early postemergent activity against some weeds, including annual bluegrass, crabgrass and oxalis.

MARÉNGO controls weeds by reducing the emergence of seedlings through inhibition of cellulose biosynthesis (CB Inhibitor). Necrosis or yellowing may be observed if the herbicide is applied to herbaceous tissue such as leaves and green stems or at bud break of sensitive plants. MARENGO does not control plants emerging from tubers, rhizomes, bulbs, corms, existing rootstocks.

MARENGO needs to be activated by rainfall or irrigation prior to weed germination for most effective pre-emergent control. MAFENGO is a highly active herbicide that provides effective weed control when applied to the soil around many labeled ornamentals. MARENGO may damage sensitive plants, if the product is allowed to remain in contact with foliage. Carefully apply MARENGO in strict accordance to the label.

PRODUCT USE RESTRICTIONS

- Do not exceed the maximum single application rates specified under each use.
- Do not exceed 18.5 fl oz per acre of MARENGO for all applications within a 12 month period.
- Do not contaminate water intended for irrigation and domestic use.
- Do not apply within 25 feet of ponds, lakes, rivers, streams, wetlands and habitat containing aquatic and semi-aquatic plants when MARENGO is used on production nurseries, and noncrop areas.
- Do not apply MARENGO through an irrigation or chemigation system.
- . Do not apply MARENGO by air.
- Follow use precautions and restrictions on this label and for all tank-mix partners, if mixing MARENGO with other pesticides. Not all products are registered in all states; please verify state registration of these products in your state before selling, distributing, or using.
- MARENGO is not for sale, distribution, or use in Nassau County or Suffolk County in New York State.

DEACTIVATING MARENGO

Activated charcoal has been shown to deactivate MARENGO if applied within several days of application. Follow directions for the amount of charcoal to apply on the label of the activated charcoal.

SPRAY DRIFT MANAGEMENT

Spray equipment and weather affect spray drift. Consider all factors when making application decisions. Where states have more stringent regulations, they must be observed. Avoiding spray drift is the responsibility of the application grower. To reduce the potential for drift, the application equipment must be set to apply medium to very coarse droplets (i.e., ASAE Standard 572) with corresponding spray pressure. Use high flow rate nozzles to apply the highest practical spray volume. With most nozzle types, narrower spray angles produce larger droplets. Follow the nozzle manufacturer's directions on pressure, orientation, spray volume, etc., in order to minimize drift and optimize coverage and control.

Wind

Avoid making applications when spray particles may be carried by air currents to areas where sensitive crops and plants are growing. Do not spray near sensitive plants it wind is gusty, below 2 mph, or in excess of 10 mph and moving in the direction of adjacent areas of sensitive crops or plants. Do not apply during temperature inversions. Always make applications when there is some air movement to determine the direction and distance of possible spray drift.

Local terrain may influence wind patterns; the applicator must be familiar with local conditions and understand how they may impact spray drift. Boom or nozzle shielding can reduce the effects of wind or air currents on drift. Verify that the shields do not interfere with uniform deposition of product prior to application.

Temperature Inversion

A surface temperature inversion (i.e., increasing temperature with increasing altitude) greatly increases the potential for drift. Avoid application when conditions are favorable to inversion. Presence of ground foo is a good indicator of a surface temperature inversion.

Sensitive Areas

Sensitive areas to MARENGO are defined as bodies of water (ponds, lakes, rivers, and streams), wetlands, habitats for endangered species, and non-labeled agricultural crop areas. Applicators must take all precautions necessary to keep spray drift from reaching sensitive areas.

Spray Drift Management:

Make applications at the lowest height that safely permits uniform coverage of the soil and minimizes droplet evaporation.

Apply MARENGO to dormant (prior to bud break) or actively growing plants. In either case, the spray must be directed at the base of the plant or away from the plant. Do not allow MARENGO to come in contact with the foliage, as some leaf malformations or discoloration may occur. Minimize contact with above ground stems.

Spray Drift Management (Conifers/Christmas Trees):

For Christmas trees and conifers, direct the spray to the base of the trees with a band or with a broadcast application.

APPLICATION INFORMATION

Apply MARENGO with a properly calibrated sprayer according to the manufacturer's directions and check periodically to be certain that the equipment is working properly prior to each use. Uniform application is essential for satisfactory weed control. Avoid skips for the best weed control and overlapoing application patterns to avoid plant injury.

Application Volume

Apply MARENGO in a minimum of 10 gallons of water per acre (1 quart of water per 1000 sq ft) and ensure adequate coverage for optimum weed control.

SOIL MOISTURE, IRRIGATION, AND RAINFALL AFTER APPLICATION

To activate MARENGO, irrigate lightly after application to move the herbicide into the soil. Rainfall within several days after application will negate the need to irrigate. Avoid application to saturated soil. Postpone application if rainfall that may cause visible run-off is anticipated.

TANK-MIX COMBINATIONS WITH MARENGO

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

MIXING AND COMPATIBILITY

Mixing Instructions

Add MARENGO to the tank and agitate before adding another product. Mix the amount of MARENGO needed for immediate application needs. Settling can occur if the spray mixture is allowed to sit over an extended period of time. MARENGO is stable in spray solution for up to 48 hours after mixing, Re-aditate the spray solution before application.

Compatibility Testing With Other Pesticides

MARÉNGO is compatible with many pesticides and liquid fertilizers. A compatibility test must be conducted with any potential tank-mix partner with MARENGO. Using a clear container, conduct the test as described helpor.

- 1. Fill the container three-quarters full with water.
- Add the products to be tank-mixed in the following order: (a) wettable powders (b) dry flowable, (c) aqueous suspensions, (d) MARENGO*, (e) liquids, (f) solutions and emulsifiable liquid concentrates, (g) micronutrients and liquid fertilizers.
- 3. Shake or stir after each addition to mix thoroughly.
- After adding all ingredients, let the mixture stand for 15 minutes and look for separation, large flakes, precipitates, gels, and heavy oily film or other signs of incompatibility.
- If the compatibility test shows signs of incompatibility, do not tank-mix the product tested with MARENGO.

*Note that a labeled spray rate for MARENGO must be used in any compatibility test. Dilute from a concentrated suspension, or sample from a properly diluted spray solution.

SPRAYER CLEANUP PROCEDURE

Spray equipment used to apply MARENGO must be cleaned prior to use on sensitive turf and ornamentals, or injury may result. Before and after using MARENGO, triple rinse all mixing and spray equipment, including tanks, pumps, lines, filters, screens, and nozzles with a tank cleaner.

RESISTANCE MANAGEMENT

Indazifiam, the active ingredient in MARENGO, is a Group 29 herbicide (Cellulose Biosynthesis Inhibitor) based on the mechanism-of-action classification system of the Weed Science Society of America. No known resistance to MARENGO exists, however, continual use of any herbicide with the same mechanism-of-action may lead to selection of resistant weed populations and reduction in efficacy. To manage the development and spread of resistant weed populations, use herbicides with different mechanisms of action in tank mixtures or rotation. Use in conjunction with sound cultural practices which minimize weed pressure and maximize weed control. MARENGO has been shown to help manage weeds that have developed resistance to other herbicides including: glycines glyphosatel, triazines, ALS-inhibitors, and dinitronaline (DNA) herbicides. The decision to use any particular herbicide should be based on an IPM program and all cultural practices and other pesticides in use. Contact a Bayer representative for the latest information or resistance management quiellenes for this product.

Weeds Controlled or Suppressed by MARENGO ²				
Broadleaf Weeds				
American black nightshade	Solanum americanum			
American burnweed (Fireweed)	Erechtites hieraciifolia			
Beggarticks	Bidens alba			
Bittercress	Cardamine spp.			
Black medic ¹	Medicago lupulina			
Buckwheat, Wild	Polygonum convolvulus			
California burclover	Medicago polymorpha			
Canada thistle, Common	Circium arvense			
Chamberbitter	Phyllanthus urinaria			
Chickweed, Common	Stellaria media			
Chickweed, Mouse-ear	Cerastium vulgatum			
Clover, White	Trifolium repens			
Corn speedwell	Veronica arvensis			
Cudweed, Linear-leaf/Purple	Gnaphalium purpureum			
Cupid's shaving brush	Emilia fosbergii			
Curly dock	Rumex crispus			
Dandelion, Cat's Ear	Hypochoeris radicata			

Broadleaf Weeds	
Dandelion, Common	Taraxacum officinale
Dodder	Cuscuta spp.
Dogfennel	Eupatorium capillifolium
Eclipta	Eclipta alba
Evening primrose, Common	Oenothera biennis
Evening primrose, Cutleaf	Oenothera laciniata
False chamomile ¹	Matricaria maritima
Filaree, Redstem	Erodium cicutarium
Florida pusley	Richardia scabra
Galinsoga	Galinsoga parviflora
Garden spurge	Chamaesyce hirta
Groundsel, Common	Senecio vulgaris
Hairy fleabane	Erigeron bonariensis
Hairy nightshade	Solanum sarrachoides
Henbit	Lamium amplexicaule
Horseweed/ Marestail	Conyza canadensis
Kochia	Kochia scoparia
Lambsquarters, Common	Chenopodium album
Lawn burweed	Soliva sessilis
Little mallow	Malva parviflora
London rocket ¹	Sisymbrium irio
Longstalked phyllanthus	Phyllanthus tenellus
Mustard, Black ¹	Brassica nigra
Mustard, Short-pod	Hirschfeldia incana
Mustard, Wild	Sinapis arvensis
Parthenium	Parthenium hysterophorus
Pigweed, Prostrate	Amaranthus blitoides
Pigweed, Redroot	Amaranthus retroflexus
Pink purslane	Claytonia sibirica
Plantain, Buckhorn	Plantago lanceolata
Plantain, Paleseed	Plantago virginica
Poinsettia, Wild	Euphorbia cyathophora
Prostrate knotweed	Polygonum aviculare

Weeds Controlled or Suppressed by MARENGO ² (continued)				
Broadleaf Weeds				
Prostrate spurge	Euphorbia maculata			
Puncturevine	Tribulus terrestris			
Purslane, Common	Portulaca oleracea			
Ragweed, Common ¹	Ambrosia artimisiifolia			
Redmaids	Calandrinia ciliata			
Sesbania, Hemp ¹	Sesbania exaltata			
Shepherd's-purse	Capsella bursa-pastoris			
Sida, Prickly/Teaweed1	Sida spinosa			
Southern brassbuttons ¹	Cotula australis			
Sowthistle, Annual	Sonchus oleraceus			
Spurge, Spotted	Euphorbia maculata			
Stinkwort	Dittrichia graveolens			
Sunflower ¹ , Common	Helianthus annuus			
Swinecress	Coronopus didymus			
Tassel flower	Emilia sonchifolia			
Tropic ageratum	Ageratum conyzoides			
Velvetleaf ¹	Abutilon theophrasti			
Vetch, Purple*	Vicia benghalensis			
Wild carrot ¹	Daucus carota			
Willowherb	Epilobium brachycarpum			
Woodsorrel, Yellow ¹	Oxalis stricta			
	•			
GRASSES, MONOCOTS, AND S	SEDGES			
Annual bluegrass	Poa annua			
Annual kyllinga ³	Cyperus sesquiflorus			
Barnyardgrass, Common	Echinochloa crus-galli			
Cheatgrass	Bromus secalinus			
Crabgrass, Blanket	Digitaria serotina			
Crabgrass, Henry	Digitaria ciliaris			
Crabgrass, Large/Hairy	Digitaria sanguinalis			
Crabgrass, Smooth	Digitaria ischaemum			
Doveweed	Murdannia nudiflora			
Fall panicum	Panicum dichotomiflorum			

Weeds Controlled or Suppressed by MARENGO ² (continued)			
GRASSES, MONOCOTS, AND SEDGES			
Foxtail brome	Bromus rubens		
Foxtail, Giant	Setaria faberi		
Foxtail, Green	Setaria viridis		
Foxtail, Yellow	Pennisetum glaucum		
Goosegrass	Eleusine indica		
Guineagrass	Panicum maximum		
Kyllinga, Fragrant/Annual3	Kyllinga odorata		
Little barley	Hordium pusillum		
Mouse barley	Hordeum murinum		
Red brome	Bromus rubens		
Rice flatsedge ³	Cyperus iria		
Ryegrass, Italian	Lolium multiflorum		
Ryegrass, Perennial	Lolium perenne		
Sandbur	Cenchrus longispinus		
Sedge, Annual ³	Cyperus compressus		
Sedge, Globe ³	Cyperus croceus		
Tufted lovegrass	Eragrostis pectinacea		

¹ Weeds suppressed by MARENGO

ORNAMENTALS, CHRISTMAS TREES, AND CONIFER PLANTATIONS

MARENGO may be applied for pre-emergent weed control in hedgerows, production ornamentals in outdoor nurseries, shadehouses, hoophouses, Christmas trees, and confirer plantations. Apply MARENGO as a directed spray, prior to weed seed germination to the soil surface around dormant or actively growing ornamentals as listed in the table below. Apoly MARENGO to established ornamentals.

USE RESTRICTIONS FOR MARENGO ON ORNAMENTALS, CHRISTMAS TREES, AND CONIFERS

- Do not exceed the maximum single application rates specified for each ornamental use.
- Do not allow spray to contact foliage. MARENGO may cause localized injury to the foliage, especially young leaf tissue. If the spray contacts the foliage, remove affected foliage or wash off immediately.
- Do not use MARENGO on or around annuals not listed as tolerant on this label. In areas where bedding plants may be seeded, wait a minimum of one year after application.
- Do not use MARENGO around bearing fruit and nut trees. MARENGO may be used around nonbearing fruit and nut trees. Non-bearing trees are defined as trees that will not bear fruit until at least 1 year after treatment.

² Use Higher labeled rafes if weed pressure is historically high or longer residual control is desired (See Use Rates in the MARENGO chart). The rate used must not exceed the tolerance for an individual turf type. Weed control can also be achieved with multiple applications of MARENGO. Do not exceed a total of 18.5 fl oz per acre per year with split applications.

³ MARENGO only controls sedges and annual kyllinga emerging from seed. It does not control perennial sedge emerging from nutlets or perennial forms of kyllinga.

- Do not use MARENGO around non-bearing fruit and nut trees unless they are at least 1 year old (citrus), 5 years old (grape vines) and 3 years old (all others).
- Do not use MARENGO within the dripline of bearing fruit and nut trees.
- Do not incorporate MARENGO into the soil or potting mix.
- Do not cultivate or disturb the soil surface after application of MARENGO as this may reduce weed control.
- Avoid applying MARENGO to heavily mulched landscape beds, as reduced weed control may occur. For best results remove existing mulch and replace mulch after an application of MARENGO.
- If transplanting mature plants listed as tolerant on this label into soil treated with MARENGO
 within the preceding 12 months, replace existing soil around roots to minimize effects on plant
 establishment
- Do not use MARENGO on ornamentals being grown in a greenhouse.
- Do not use MARENGO on nursery seedbeds, rooted cuttings or young plants in liners.
- Do not apply MARENGO to ornamentals growing in containers smaller than 15 gallons.
- Do not apply MARENGO over-the-top of nursery ornamentals.
- Do not apply MARENGO to budded grafts or graft unions as this could cause plant injury or death.
- Do not mix with products containing chlorine bleach.

USE OF MARENGO ON ORNAMENTALS IN COARSE AND SANDY SOILS

Soil conditions can affect the tolerance of ornamentals to MARENGO. Excessively coarse or sandy soils may allow for downward movement of MARENGO into the root zone and cause significant root damage and phytotoxicity. Coarse soils, may include significant quantities of sand, gravel, decomposed granite, and ground cinders. Prior to application of MARENGO on these soils, confirm soil texture with a soil test. Ornamentals grown in soil exceeding 90% sand or 20% gravel may be at risk. If MARENGO is to be applied in these soils, evaluate tolerance of a few plants of each ornamental in MARENGO treated soil for 1-2 months oritor to a large scale acolication.

SYMPTOMS OF MARENGO INJURY ON ORNAMENTALS

water per acre (1 - 2.3 gallons of water per 1.000 sg ft).

MARENGO may injure sensitive ornamentals by damaging roots or leaves. Plant foliage damaged by root absorption will appear stunted, deformed, and may not recover. If MARENGO is allowed to contact leaves, leaf symptoms including leaf spot, leaf discoloration, and leaf curl may appear. Symptoms appear within several days after application. Leaves formed after appearance of symptoms may recover.

PRODUCTION ORNAMENTAL USES

MAFENGO provides up to 8 months of weed control with a single application. The length of control depends on many environmental factors as well as the target weeds and the weed pressure. Apply MARENGO as a directed spray to the soil surface only to established plants. Do not apply MARENGO to newly rooted cuttings/or seedling beds. To avoid root damage, apply MARENGO around well established transplants and when the soil has firmly settled. Irrigation or rainfall will help to settle the soil and seal surface cracks. If applied near actively growing plants, avoid contact to expanding buds or new leaves. Apply MARENGO to soil free of weeds, debris, and soil codes for optimum efficacy. Herbicidal efficacy may be reduced if soil is disturbed after application. Application of MARENGO to deciduous foliage or green bark may result in unacceptable injury.

AMOUNT TO USE: Apply MARENGO as a broadcast, directed spray at 7.5 - 15.5 fl oz of MARENGO per acre (0.17 - 0.36 fl oz oer 1.000 soft around ornamentals in 40 - 100 callons of

A subsequent application of MARENGO can be made within 90 days after the initial application provided that the total MARENGO applied does not exceed 18.5 fl oz per acre in a 12-month period.

COMBINATIONS OF MARENGO WITH NON SELECTIVE HERBICIDES AROUND ORNAMENTALS

Remove existing weed growth before application of MARENGO or use a post-emergence herbicide labeled for control. MARENGO may be used in combination with a non-selective herbicide. Avoid contact of spray containing a non-selective herbicide with foliage, stems, green bark, or bare roots of turfgrasses, trees, shrubs, or other desirable vegetation. If spraying areas adjacent to desirable plants with a non-selective herbicide, use a shield while spraying to help prevent spray from contaction foliage of desirable plants.

IMPORTANT: Direct application of MARENGO to the soil surface. Avoid direct spray contact on plant surfaces, foliage, and green bark. Avoid application under environmental conditions that favor drift to non-targeted areas. Deep cultivation reduces the effectiveness of MARENGO.

BACKPACK AND HÅNDHELD SPRÄYER MIXING: MARENGO can be applied using backpack or handheld sprayers. For backpack or handheld spray applications, mix 1 teaspoon of MARENGO per gallon of water. Agitate the mixture to ensure good suspension. If adding glyphosate, mix MARENGO in first. Recommended spray volume is 40 - 100 gallons per acre or approximately 1 - 2.3 gallon per 1000 so ft.

ORNAMENTALS AND THEIR CULTIVARS TOLERANT TO MARENGO

Tolerant ornamentals and their cultivars are listed in the following table. Apply as a directed spray around tolerant ornamentals. If a desired plant to be treated is not listed on this label, treat several plants at the maximum use rate and evaluate 1-2 months later for acceptable tolerance. The user assumes responsibility for application to plants not listed on this label. Do not treat annuals not listed on this label.

Common Name	Scientific Name	Cultivar
Abelia	Abelia x grandiflora	Kaleidoscope
Acacia, Prostrate	Acacia redolens	Desert Carpet
Anise, Yellow	Illicium parviflorum	
Apple	Malus domestica	Beverly Hills, Golden Dorsett,
		Harelred, Honey Crisp, Red Deli-
		cious, Winesap
Apricot	Prunus armeniaca	Tropic Gold
Arbovitae	Thuja occidentalis	Emerald, Green Giant, Green Flag,
		Nigra, Techny, Yellow Ribbon
Ash, (Southern) Green	Fraxinus pennsylvanica	Georgia Gem
Asparagus fern	Asparagus plumosus	
Aspen, Quaking	Populus tremuloides	
Azalea	Rhododendron spp.	Delaware Valley White, Fashion,
		Florida Flame, Formosa, Girard's
		Rose, Golden Torch, Haps Pink,
		High Tide, Judge Solomon, Karen,
		Nova Sembla, Mother's Day, Pink
		Gumpo, Red Ruffle, VF 14, White
		Gumpo

Common Name	Scientific Name	Cultivar
Azalea	Rhododendron yakushimanum	Crete
	x smirnowii	
Azalea, Cat album	Rhododendron catawbiense	Chionoides
Azalea, Encore	Rhododendron spp.	Autumn Debutante
Bamboo, Golden	Phyllostachys aurea	
Beech, American	Fagus grandifolia	
Birch, Gray	Betula populifolia	Whitespire
Birch, Himalayan white	Betula utilis	Jacquemontii
bark		
Birch, River	Betula nigra	Heritage
Birch, White	Betula platyphylla	Spire
Bird of paradise, White	Strelitizia nicolai	
Black tupelo (Black gum)	Nyssa sylvatica	Wild Fire
Bluebird	Caryopteris x clandonensis	Dark Knight
Bluestem, Big	Andropogon gerardii	
Bluestem, Little	Andropogon scoparius	
Boxwood	Buxus microphylla	Baby Gem, Chicagoland Green,
		Dwarf, Green Beauty
Boxwood	Buxus isinica var. insularis	Wintergreen
Boxwood, Common/Eng-	Buxus sempervirens	Green Gem, Green Mountain,
lish		Suffructicosa, Winter Gem
Boxwood, Japanese	Buxus microphylla var. japonica	Dwarf, Chicagoland
Bradford Pear	Pyrus calleryana	Chanticlear
Buckeye, Ohio	Aesculus glabra	
Butterfly bush	Buddleia davidii	Nanho Blue
Buttonwood, Silver/Green	Conocarpus erectus	
Camellia, Japanese	Camellia japonica	Margaret Heathcliff Pink
Camellia, Little leaf	Camellia sasanqua	Cleopatra Pink, Shi Shi Gashira
Cassia (Golden senna)	Senna surattensis	
Catalpa, Southern	Catalpa bignoniaceae	
Cedar, Atlantic white	Chamaecyparis thyoides	
Cedar, Eastern red	Juniperus virginiana	Burkii, Idylllwild
Cedar, Japanese	Cryptomeria japonica	Black Dragon, Burkii, Globosa
		Nana, Yoshino
Cherry, American plum	Prunus americana	
Cherry, Okame	Prunus x incamp	Okame

Common Name	Scientific Name	Cultivar
Cherry	Prunus serrulata	Kwanzan
Cherry, Purple leaf sand	Prunus cistena	
Cherry, Sargent	Prunus sargentii	Spring Wonder
Cherry, Yoshino	Prunus x yedoensis	Yoshino
Cherry Laurel (Skip laurel)	Prunus laurocerasis	Otto Luyken, Schipkaensis
Chokeberry	Aronia prunifolia	Viking
Cotoneaster	Cotoneaster dammeri	Coral Beauty
Cottonwood, Eastern	Populus deltoides	Siouxland
Crabapple	Malus sylvestris	Harvest Gold, Snowdrift, Snow
		Spring, Spring Snow
Crabapple, Chestnut	Malus domestica	
Crabapple, Sweet	Malus coronaria	
Cranesbill	Geranium sanguineum	New Hampshire Purple
Crape myrtle	Laegerstromia indica	Burgundy Cotton, Pocomoke
	-	Pink, Sarah's Favorite, Siren Rec
Crape myrtle	Lagerstroemia indica x fauriei	Miami, Muskogee, Tuscarora
Cryptomeria	Cryptomeria japonica	Black Dragon, Yoshino
Cypress, Bald	Taxodium distichum	Shawnee Brave
Cypress, False	Chamaecyparis spp.	Gold Mops, Gold Thread
Cypress, Japanese (Hinoki	Chamaecyparis obtusa	
cypress)		
Cypress, Mediterranean	Cupressus sempervirens	
Cypress, Pond	Taxodium distichum var. imbri-	
	catum	
Daphne	Daphne caucasica	Summer Ice
Dawn Redwood	Metasequoia glyptostroboides	
Daylily (before emer-	Hemerocallis spp.	Green Flutter, Happy Returns,
gence)		Stella d'Oro
Dogwood, Flowering	Cornus florida	
Dogwood, Kousa	Cornus kousa	
Dogwood, Redosier (Red	Cornus sericea	Yellow Twig
bark)		
Dogwood, Siberian	Cornus alba	
Elm, American	Ulmus americana	
Elm, Chinese (Bosque)	Ulmus parvifolia	Drake

Common Name	Scientific Name	Cultivar
Eucalyptus	Eucalyptus globulus	Baby Tears
Eucalyptus, Silver dollar gum	Eucalyptus polyanthemos	Baby Blue
Euonymus	Euonymus alatus	Compacta
Feather reed grass	Calamagrostis acutiflora	Overdam, Karl Foerster
Fir, Frasier	Abies fraseri	
Florida Leucothe (Pipestem)	Leucothoe populifolia	
Forsythia (Golden bells)	Forsythia x indermedia	Lynwood (Lynwood Gold)
Fragrant tea olive	Osmanthus fragrans	
Gardenia	Gardenia radicans	Radicans
Gardenia	Gardenia jasminoides	Frostproof, Mystery
Gaura	Gaura lindheimeri	Pink Fountain
Geranium	Pelargonium spp.	Seed Long
Ginkgo	Ginkgo biloba	
Gold-dust plant	Aucuba japonica	Gold Dust
Green ash	Fraxinus pennsylvanica	Georgia Gem
Gumbo-limbo (Copperwood)	Bursera simaruba	-
Hardy Kiwi	Actinidia arguta	Anna
Hawthorn, One seeded	Crataegus monogyna	Winter King
Hawthorn, Thornless cockspur	Crataegus crus galli inermis	
Hemlock, Eastern	Tsuga canadensis	
Hibiscus, Chinese	Hibiscus rosa-sinensis	President Red, San Diego Red
Holly, American	llex opaca	
Holly, Chinese	llex cornuta	Budfordii Nana, Carissa, Dwarf Burford, Needlepoint
Holly, Dragon lady	llex aquipernyi x pernyi	Dragon Lady
Holly, Dwarf yaupon	llex vomitoria	Compacta , Schillings, Stoke's Dwarf, Yaupon
Holly, Foster's	llex x attenuata	East Palatka, Fosteri
Holly, Inkberry/Gallberry	llex glabra	Compacta, Densa, Shamrock
Holly, Japanese	llex crenata	Compacta, Green Luster, Sky Pencil. Soft Touch
Holly, Meservae	llex meservae	Blue Maid, Blue Princess
Holly, Nellie R. Stevens	llex aquifolium x llex cornuta	Nellie R. Stevens
Holly, Winterberry	llex verticillata	Jim Dandy, Red Sprite

Common Name	Scientific Name	Cultivar
Honeylocust	Gleditsia triacanthos	Skyline, Sunburst, Sunshine
Hornbeam, European	Carpinus betulus	Frans Fontaine
Hornbeam, Hop	Ostrya virginiana	Carolina
Indian Hawthorn	Raphiolepsis indica	Dwarf Pink, Minor, Pink Lady
Japanese cleyera	Ternstromia gymnanthera	
Japanese Mock-orange	Pittosporum tobira	Variegata
Jasmine, Asiatic/Yellow star	Trachelospermum asiaticum	Minima
Jasmine, Winter	Jasminum nudiflorum	
Juniper, Chinese	Juniperus chinensis	Gold Tip, Grey Owl, Sea Green, Spar- tan
Juniper, Common	Juniperus communis	
Juniper, Creeping	Juniperus horizontalis	Bar Harbor, Blue Rug
Juniper, Flaky	Juniperus squamata	Blue Star
Juniper, Parson's	Juniperus davurica	Expansa, Parsonii
Juniper, Shore	Juniperus conferta	Blue Pacific
Juniper (Red Cedar)	Juniperus virginiana	Brodie, Burkii
Lantana	Lantana camara	Landmark Sunrise Rose
Larch	Larix decidua	
Lilac	Syringa x 'Penda'	Bloomerang
Lilac, Common	Syringa vulgaris	
Liriope (Lilyturf)	Liriope muscari	Aztec Grass, Big Blue, Evergreen Giant, Silvery Sunproof
London plane Tree	Plantanus acerifolia	Exclamation
Loropetalum	Loropetalum chinensis	Burgundy, Emerald Star, Plum Purple, Rubra, Ruby
Maiden Grass (Eulalia- grass)	Miscanthus sinensis	Gracillimus, Zebrinus, Little Zebra
Magnolia, Jane	Magnolia liliflora 'Nigra' x M. stellata	Rosea
Magnolia, Southern	Magnolia grandiflora	Bracken's Brown Beauty
Mahogony, West In- dies/American	Swietenia mahagoni	-
Maple, Autumn blaze	Acer freemanii	Jeffersred
Maple, red	Acer rubrum	Autumn Blaze, Autumn Radiance,
		Frank's Red, October Glory, Red Sunset

Common Name	Scientific Name	Cultivar
Maple, Silver	Acer saccharinum	
Maple, Sugar	Acer saccharum	Commemoration
Mondograss	Ophiopogon japonicus	
Muhly Grass	Muhlenbergia capillaris	
Nandina	Nandina domestica	Firepower
Oak, Northern pin	Quercus ellipsoidal	
Oak, Northern red	Quercus rubra	
Oak, Nuttal	Quercus nuttallii	
Oak, Pin	Quercus palustris	
Oak, Prarie stature	Quercus x bimundorum	Midwest
Oak, Shumard	Quercus shumardii	
Oak, Southern live	Quercus virginiana	
Oak, White	Quercus alba	Swamp White
Ohio buckeye	Aesculus glabra	
Orchid Tree, Hong Kong	Bauhinia blakeana	
Palm, Areca	Dypsis lutescens	
Palm, Coconut	Cocos nucifera	
Palm, European (Mediter-	Chamerops humilis	
ranean) fan		
Palm, Fishtail	Caryota mitis	
Palm, Foxtail	Wodyetia bifurcata	
Palm, Majesty	Ravenea rivularis	
Palm, Pygmy date	Phoenix roebelenii	
Palm, Queen	Syagrus romanzoffiana	
Palm, Roebelenii	Phoenix roebelenii	
Palm, Royal	Roistonea regia	
Palm, Sylvester	Phoenix sylvestris	
Pear, Callery	Pyrus calleryana	Bradford, Chanticleer
Pieris (Japanese andromeda)	Pieris japonica	Mountain Fire, Red Mill, Shojo
Pine, Black	Pinus nigra	
Pine, Canary island	Pinus canariensis	
Pine, Eastern white	Pinus strobus	
Pine, Scotch	Pinus sylvestrus	
Plum, American	Prunus americana	
Plum, Crimson pointe	Prunus x cerasifera	Cipriozam
Podocarpus (Buddhist pine)	Podocarpus macrophyllus	

Common Name	Scientific Name	Cultivar
Prarie Cordgrass	Spartina pectinata	
Privet	Ligustrum ovafolium	
Redbud, Eastern	Cercis canadensis	MN Strain
Redbud	Cercis reniformis	
Rhododendron	Rhododendron x crete	
Rose	Rosa spp.	Caramba , Double Knock Out,
		Flower Carpet Amber, Home Run,
		Knock Out, Louis Phillipe,Pink
		Knock Out, Radrazz
Rose	Rosa odorata	Belinda's Dream, Blue Girl, Double
		Delight, John F. Kennedy, Mister
		Lincoln
Rose	Rosa wichurana	Dr. Huey
Rose, Virginia	Rosa virginiana	
Rose mallow	Hibiscus moscheutos	
Rose of sharon	Hibiscus syriacus	Pink Heart, Boule de Feu
Russian sage	Perovskia atriplicifolia	
Sage, Blue anise	Salvia guaranitica	Black and Blue
Seagrape	Coccoloba uvifera	
Skip laurel	Prunus laurocerasis	
Snowberry, Common	Symphoricarpos albus	
Spicebush	Lindera benzoin	
Spirea (dormant only)	Spirea japonica	Lemon Princess, Little Princess,
		Norman, Shirobana
Spruce, Blackhills (White	Picea glauca	Densata
spruce)		
Spruce, Colorado Blue (Blue	Picea pungens	
spruce)		
Spruce, Dwarf Alberta	Picea glauca	Conica
Spruce, Norway	Picea abies	
Sweetgum	Liquidambar styraciflua	Happidaze
Tamarisk	Tamarix ramosissima	Pink Cascade
Taxus (English/Common yew)	Taxus baccata	
Taxus (Japanese Yew)	Taxus cuspidata	Capitada
Thin-fruit sedge	Carex flaccosperma	
Viburnum, Burkwood	Viburnum x burkwoodii	
		·

Common Name	Scientific Name	Cultivar
Viburnum (Wayfaring Tree)	Virbunum lantana	Mohican
Viburnum, Popcorn (Japan- ese snowball)	Viburnum plicatum	Popcorn, St. Keverne
Waxflower	Chamelaucium spp.	
Wax myrtle, Southern	Myrica cerifera	
Weigelia, Variegated	Salix integra	Hakuro Nishiki
Yellow Indian grass	Sorghastrum nutans	

Do not use MARENGO on any of these plants.

Common Name	Scientific Name
Blue fescue grass	Festuca glauca
California Lilac	Caenothus pallidus
Croton	Codiaeum variegatum
Elderberry, American	Sambucus canadensis
Euonymus, Japanese	Euonymus japonicus
Fountain grass	Pennisetum alopecuroides
Fountain grass, Purple	Pennisetum setaceum
Hydrangea	Hydrangea macrophylla
Japanese rose	Kerria japonica
Pepperbush, Sweet (Summersweet)	Clethra alnifolia
Plumbago	Plumbago spp.
Sweetshrub	Calycanthus spp.
Sweet Viburnum	Viburnum odoratissimum
Viburnum	Viburnum suspensum
Weigela	Weigela spp.

CONIFERS AND CHRISTMAS TREES

MARENGO may be used for pre-emergence weed control in conifer nurseries and Christmas tree farms. MARENGO may be applied as a directed spray to soil surrounding established plants. Established plants are transplants that are actively growing and where the soil has settled. Do not apply to seedlings or seedling beds. Apply 7.5-15.5 fl oz of MARENGO per acre for these uses. Do not exceed 18.5 fl oz of MARENGO per acre for these uses.

MARENGO may be tank-mixed with products containing the following active ingredients labeled for use in conifers: glyphosate or glufosinate. Follow use restrictions on all labels.

Do not make an over-the-top application to wildflowers.

NON-SELECTIVE USES NON-CROP AREAS

MARENGO may be used to maintain bare ground in non-crop areas. These include paths, parking lots, curbs, sidewalks, driveways, around buildings, gravel areas, loading ramps, educational facilities, storage yards, vacant lots, fence rows, parks, and hardscapes. All weeds and debris must be removed from these areas to be treated for optimum control. Adequate irrigation or rainfall after application of MARENGO will provide maximum weed control.

Use of MARENGO near Sensitive Grasses

MARENGO applied uphill to sensitive grasses can move, under certain circumstances, to sensitive grasses and cause injury and stand reduction.

AMOUNT OF USE: Apply 9 - 18.5 fl oz of MARENGO per acre. Use a minimum spray volume of [10] gallons per acre.

If weeds are present at the time of application, tank-mix a post-emergent herbicide such as glyphosate with MARENGO. Observe all use restrictions on this label and on the label of the tank-mix partner.

ORNAMENTAL PRODUCTION FACILITIES

MARENGO may be used in ornamental production facilities such as nurseries, greenhouses, areas covered by landscape fabric, hoophouses, lathouses and shadehouses to provide bare ground weed control beneath benches, botted plants, or growing/holding areas.

Do not use MAFENGO in greenhouses, hoophouses, lathhouses, and shadehouses if ornamental plants are present. Make applications to these sites during clean up, sanitation and preparation prior to plant production.

AMOUNT OF USE: Apply 9 - 18.5 fl oz product per acre. Use a minimum spray volume of 40 callons per acre.

If weeds are present at the time of application, tank-mix a post-emergent herbicide with MARENGO. Observe all use restrictions on this label and on the label of the tank-mix partner. Allow applied surface to dry prior to introducing plants. For outdoor applications, containers can be moved onto the treated ground bed areas after irrigation or rainfall and once the treated surface has dried.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE

Store in original container and keep tightly closed when not in use. Store in a cool, dry place. Avoid cross-contamination with other pesticides.

PESTICIDE DISPOSAL

Pesticides wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency or Hazardous Waste representative at the nearest EPA regional office for guidance in proper disposal methods.

CONTAINER HANDLING

Non refiliable container. Do not reuse or refill this container. Tripled rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness, plant injury, other property damage, as well as other unintended consequences may result because of factors beyond the control of Bayer CropScience LP. Those factors include, but are not limited to, weather conditions, presence of other materials or the manner of use or apolication. All such risks shall be assumed by the user or buver.

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Bayer

Marengo

DO NOT USE FOR THE MANUFACTURING OF FERTILIZER

ACTIVE INGREDIENT:

ndaziflam...... 7 4% OTHER INGREDIENTS:92.6%

KEEP OUT OF REACH OF CHILDREN

Contains 0.622 lbs active ingredient per gallon EPA Reg. No. 432-1518

For MEDICAL and TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577

For PRODUCT USE Information Call 1-800-331-2867

FIRST AID

swallowed:	•	Н

- Call a poison control center or doctor immediately for treatment advice. lave person sip a glass of water if able to swallow.
 - Do not induce vomiting unless told to do so by a poison control center or
 - · Do not give anything to an unconscious person.

If in eves:

If inhaled:

- . Hold eves open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, and then continue rinsina.
- Call a poison control center or doctor for treatment advice.

If on skin Take off contaminated clothing. or clothing:

- Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
- · Move person to fresh air.

- If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible.
- Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

Net Contents

64 Fl Oz (1.9 L) 84967874

See attached leaflet for complete First Aid Instructions, Precautionary Statements Directions for Use and Storage and 84919667B 170919AV1 Disposal Instructions