

- EGGPLANT***
- ELDERBERRY
- FORAGE GRASSES*
- FORAGE LEGUMES*
- GARLIC***
- GOOSEBERRY
- GOURDS***
- HORSERADISH
- HUCKLEBERRY
- KALE
- LENTILS
- LETTUCE
- RUTABAGA
- SORGHUM (Milo)
- SOYBEANS*
- SPINACH
- SQUASH*** (Summer,
Winter)
- TOMATO***
- TOMATOES***!
- TURNIPS
- WATERCRESS***
- WATERMELON***
- WHEAT*

*Spot treatments may be applied in these crops.

**Do not treat rice fields or levees when the fields contain flood water.

***Apply only prior to planting. Allow at least 2 days between application and planting.

[Use on tomatoes is restricted to direct seeded tomatoes only.]

!! Do not feed or graze treated pineapple forage following application.

Replace tomato restriction with more generic wording:

[!Use is restricted to direct seeded crops only.]

Spot Treatment (Only those crops with "*" can be spot treated)

--Applications in growing crops must be made prior to heading of small grains and milo, initial pod set in soybeans, silking of corn, and boll opening c. cotton. For forage grasses and forage legumes see "Spot Treatment" in the "Pastures" section of "Cropping Systems" in this label.

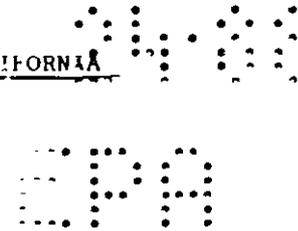
For dilution and rates of application using boom or hand-held equipment, see "Mixing, Additives and Application Instructions" and "Weeds Controlled" sections of this label.

NOTE: FOR FORAGE GRASSES AND FORAGE LEGUMES, NO MORE THAN ONE TENTH OF ANY ACRE SHOULD BE TREATED AT ONE TIME. FOR ALL OTHER CROPS, DO NOT

HONCHO^R

FOR USE IN ARIZONA, ARKANSAS, DELAWARE, FLORIDA,
LOUISIANA, MARYLAND, MISSISSIPPI, NEVADA, NEW MEXICO,
OREGON, TENNESSEE, TEXAS, VIRGINIA AND WASHINGTON

ADD: CALIFORNIA

**Complete Directions for Use**

AVIOD CONTACT WITH FOLIAGE,
GREEN STEMS, OR FRUIT OF
CROPS, DESIRABLE PLANTS AND
TREES, SINCE SEVERE INJURY OR
DESTRUCTION MAY RESULT.

^RHoncho is a registered trademark of
Monsanto Company

EPA Reg. No. 524-326

1988-1

892.67-000.01/53

Change: 1988-2

Read each of these sections of this
label for essential product
performance information.

USE THESE CONVENIENT SECTION MARKERS.

GENERAL INFORMATION

MIXING, ADDITIVES, AND APPLICATION
INSTRUCTIONS

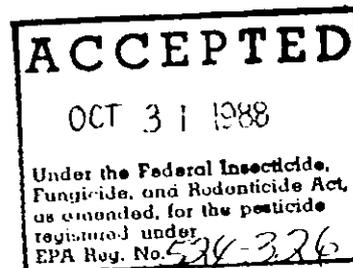
WEEDS CONTROLLED

CROPPING SYSTEMS

MINIMUM TILLAGE

TREE AND VINE CROPS

Read the entire label before using
this product.



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TREAT MORE THAN 10 PERCENT OF THE TOTAL FIELD AREA TO BE HARVESTED.

THE CROP RECEIVING SPRAY IN TREATED AREA WILL BE KILLED. TAKE CARE TO AVOID DRIFT OR SPRAY OUTSIDE TARGET AREA FOR THE SAME REASON.

Selective Equipment--This product may be applied through shielded applicators. Shielded applicators may be used in tree crops and grapes.

See the "Selective Equipment" part of the "Application Equipment Techniques" section of this label for information on proper use and calibration of this equipment.

Allow at least the following time intervals between application and harvest:

Apples, Avocado, Cherry, Citrus,	
Grapes, Parsnips, Pear,	
Stone Fruit.....	14 days
Nut Crops.....	21 days

Change harvest intervals to:

Apples, Avacado, Cherry, Citrus	
Grapes, Pear,	
Rutabagas.....	14 days
Stone Fruit	17 days
Nut Crops.....	21 days

BERRIES AND SMALL FRUIT

Apply as a preplant broadcast application, or as a directed spray.

See "General Information" and "Mixing, Additives and Application Instructions" sections of this label for essential product performance information.

See the "Selective Equipment" part of the "Application Equipment and Techniques" section of this label for information on recommended use and calibration of this equipment.

Do not permit herbicide solution to contact desirable vegetation, including green shoots, canes or foliage.

Add new section for Asparagus:

ASPARAGUS

When applied as directed for "Cropping Systems", under the conditions described, this product controls weeds listed on this label in asparagus.

For specific rates of application and instructions for control of various annual and perennial weeds, see the "Weeds controlled" section of this label.

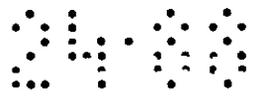
Prior to Crop Emergence--Apply this product prior to planting or emergence of spears in an established crop for the control of emerged labeled annual and perennial weeds. DO NOT APPLY WITHIN A WEEK BEFORE THE FIRST SPEARS EMERGE.

Spot Treatment--Apply this product immediately after cutting, but prior to the emergence of new spears. Do not treat more than 10 percent of the total field to be harvested. Do not harvest within 5 days of treatment.

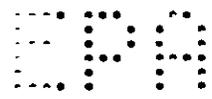
Post harvest--Apply this product after the last harvest and

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Use only according to label instructions. Read "LIMIT OF WARRANTY AND LIABILITY" before buying or using. If terms are not acceptable, return at once unopened.



REFORMULATION OR REPACKAGING IS PROHIBITED



LIMIT OF WARRANTY AND LIABILITY

This Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes set forth in the Complete Directions for Use label booklet ("Directions") when used in accordance with those Directions under the conditions described therein. NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR PARTICULAR PURPOSE OR MERCHANTABILITY IS MADE. This warranty is also subject to the conditions and limitations stated herein.



ADD: WARRANTY following the word EXPRESS

Buyer and all users shall promptly notify this Company of any claims whether based in contract, negligence, strict liability, other tort or otherwise.

Buyer and all users are responsible for all loss or damage from use or handling which results from conditions beyond the control of this Company, including, but not limited to, incompatibility with products other than those set forth in the Directions, application to or contact with desirable vegetation, unusual weather, weather conditions which are outside the range considered normal at the application site and for the time period when the product is applied, as well as weather conditions which are outside the application ranges set forth in the Directions, application in any manner not explicitly set forth in the Directions, moisture conditions outside the moisture range specified in the Directions, or the presence of

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FALLOW AND REDUCED TILLAGE SYSTEMS

Use this product in fallow and reduced tillage systems for control of annual weeds prior to emergence of crops listed in this label. Refer to the "Weeds Controlled" section of this label for specific rates and instructions. This product may be applied using ground or aerial spray equipment. See the "Application Equipment and Techniques" section of this label for instructions.

- [] TANK MIXTURES []
- [] HONCHO^R plus BANVEL plus NONIONIC SURFACTANT []
- [] HONCHO plus 2,4-D AMINE plus NONIONIC SURFACTANT []
- [] HONCHO plus GLEANTM plus NONIONIC SURFACTANT []

DO NOT APPLY BANVEL, GLEAN, OR 2,4-D AMINE TANK MIXTURES BY AIR IN CALIFORNIA.

The additions of Banvel in a mixture with this product may provide short-term residual control of selected weed species. Some crop injury may occur if Banvel is applied within 45 days of planting. Refer to the Banvel and 2,4-D labels for cropping restrictions and other use instructions.

The Honcho plus Glean plus nonionic surfactant tank mixture provides postemergence control and soil residual control of labeled annual weeds in fallow and reduced tillage areas to be planted only to wheat.

Use 1/3 to 1/2 ounces of Glean with the recommended rates of Honcho and nonionic surfactant as instructed in the "Low-Volume Broadcast Application" section of this label

all spears have been removed. If spears are allowed to regrow, delay application until fern have developed. Delayed treatments should be applied as directed or shielded spray in order to avoid contact of the spray with ferns, stems or spears. Direct contact of the spray with the asparagus may result in serious crop injury.

NOTE: Select and use recommended types of spray equipment for postemergence post-harvest applications. A directed spray is any application where the spray pattern is aligned in such a way as to avoid direct contact of the spray with the crop. A shielded spray is any application where a physical barrier is positioned and maintained between the spray and the crop to prevent contact of the spray with the crop.

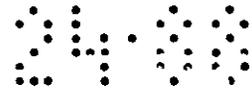
Add new tank mix:

- [] HONCHO plus GOALTM plus NONIONIC SURFACTANT []

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products other than those set forth in the Directions in or on the soil, crop or treated vegetation.

THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE LIMIT OF THE LIABILITY OF THIS COMPANY OR ANY OTHER SELLER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT (INCLUDING CLAIMS BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY, OTHER TORT OR OTHERWISE) SHALL BE THE PURCHASE PRICE PAID BY THE USER OR BUYER FOR THE QUANTITY OF THIS PRODUCT INVOLVED, OR, AT THE ELECTION OF THIS COMPANY OR ANY OTHER SELLER, THE REPLACEMENT OF SUCH QUANTITY OR, IF NOT ACQUIRED BY PURCHASE, REPLACEMENT OF SUCH QUANTITY. IN NO EVENT SHALL THIS COMPANY OR ANY OTHER SELLER BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.



DELETE: "OR" following INCIDENTAL
ADD: ,OR SPECIAL between
CONSEQUENTIAL and DAMAGES

Buyer and all users are deemed to have accepted the terms of this LIMIT OF WARRANTY AND LIABILITY which may not be varied by any verbal or written agreement.

PRECAUTIONARY STATEMENTS

Hazards to
Humans and Domestic Animals

Keep out of reach of children.

CAUTION!
MAY CAUSE EYE IRRITATION.

Avoid contact with eyes, skin or clothing.

Wash thoroughly with soap and water after handling.

FIRST AID: IF IN EYES, immediately flush with plenty of water for at least 15 minutes. Call a physician.

booklet. Refer to the Glean label for planting, cropping and other restrictions. Follow all precautionary statements on this and the Glean label.

These recommended tank mixtures may be applied using ground or aerial spray equipment. Refer to the "Weeds Controlled" section of this label for specific rates and instructions.

NOTE: Do not exceed the 16 fluid ounces per acre rate of Honcho when applying this product alone or in a tank mixture to these systems.

TMGlean is a trademark of E. I. duPont deNemours and Company.

PASTURES

Apply this product prior to planting forage grasses and legumes.

Pasture or Hay Crop renovation
When applied as a broadcast spray this product controls the annual and perennial weeds listed in this label prior to planting forage grasses or legumes. Remove domestic livestock before application and wait 8 weeks after application before grazing or harvesting.

Spot Treatment When applied as a spot treatment as recommended, this product controls annual and perennial weeds listed in this label which are growing in pastures, forage grasses and forage legumes composed of bahiagrass, bermudagrass, bluegrass, brome, fescue, orchardgrass, ryegrass, timothy, wheatgrass, alfalfa or clover.

For spot treatment and wiper application, apply in areas where the movement of domestic livestock can be controlled. No more than one-tenth o

Add new section for Honcho plus Goal:

Honcho plus Goal Tank Mixtures

This product alone or in tank mixtures with Goal will provide control of those weeds listed below.

Make applications when weeds are actively growing and at the recommended stages of growth. Avoid spraying when weeds are subject to moisture stress, when dust is on the foliage or when straw canopy covers the weeds.

<u>HONCHO 12 oz./acre</u>	
Wheat	18"
Barley	12"
Bluegrass, Annual	6"
Barnyardgrass	6"
Rye	6"

<u>HONCHO 16) oz./acre</u>	
Annual grasses at left plus:	
Ryegrass, annual	6"
Chickweed	6"
Groundsel	6"
Marestail	6"
Rocket, London	6"
Shepherdspurse	6"
Crabgrass	12"
Johnsongrass, seedling	12"
Lambsquarters	12"
Oats, wild	12"
Pigweed, redroot	12"
Mustards	12"

<u>Honcho 12 oz./acre</u>	
+	
<u>Goal** 2-4 oz./acre</u>	

<u>Honcho 16 oz./acre</u>	
+	
<u>Goal** 2-4 oz./acre</u>	

Annual grasses above plus:	
Cheeseweed	3"
Chickweed	3"
Groundsel	3"
Rocket, London	6"
Shepherdspurse	6"

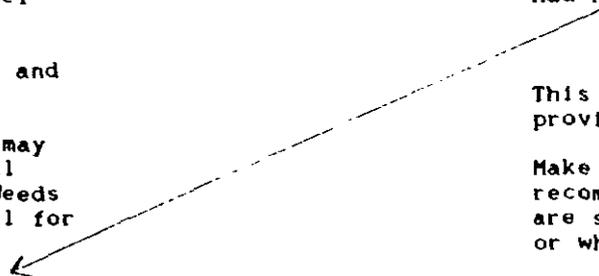
Annual weeds above plus:	
Cheeseweed	6"
Groundsel	6"
Chickweed	12"
Rocket, London	12"
Shepherdspurse	12"

* Maximum height or length in inches.
** Use the higher rate when weeds approach maximum recommended height or stands are dense.

Delete the paragraph to the left.

Add:

TMGoal is a trademark of Rohm and Haas Co.



IF ON SKIN, immediately flush with plenty of water. Wash clothing before reuse.

In case of an emergency involving this product, Call Collect, day or night, (314) 694-4000.

Environmental Hazards

Do not apply directly to water or wetland (swamps, bogs, marshes or potholes). Do not contaminate water by cleaning of equipment or disposal of wastes.

Physical or Chemical Hazards

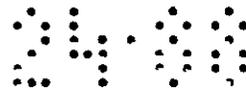
Spray solutions of this product should be mixed, stored and applied only in stainless steel, aluminum, fiberglass, plastic and plastic-lined steel containers.

DO NOT MIX, STORE OR APPLY THIS PRODUCT OR SPRAY SOLUTIONS OF THIS PRODUCT IN GALVANIZED STEEL OR UNLINED STEEL (EXCEPT STAINLESS STEEL) CONTAINERS OR SPRAY TANKS. This product or spray solutions of this product react with such containers and tanks to produce hydrogen gas which may form a highly combustible gas mixture. This gas mixture could flash or explode, causing serious personal injury, if ignited by open flame, spark, welder's torch, lighted cigarette or other ignition source.

ACTIVE INGREDIENT:

*Isopropylamine salt of glyphosate.....	41.5%
INERT INGREDIENTS:.....	58.5%
	100.0%

*Contains 480 grams per litre or 4 pounds of the active ingredient isopropylamine salt of N-(phosphonomethyl) glycine per U.S. gallon. Equivalent to 356 grams per



any acre should be treated at one time. Further applications may be made in the same area at 30 day intervals. Remove domestic livestock before application and wait 14 days after application before grazing livestock or harvesting.

See "General Information", "Mixing, Additives and Application Instructions" and "Weeds Controlled" sections of this label.

Delete this paragraph.

[] MINIMUM TILLAGE SYSTEMS []
Tank Mixtures
CORN AND SOYBEANS

When applied as recommended under the conditions described, these tank mixtures control many emerged weeds, and give preemergence control of many annual weeds when corn or soybeans will be planted directly into a cover crop, established sod, or in previous crop residues.

Refer to specific product labels for crop rotation restrictions and cautionary statements of all products used in these tank mixtures. Lasso EC herbicide may be substituted for Lasso herbicide in these tank mixtures. For mixing instructions, see the "Mixing, Additives and Application Instructions" section of this label.

Delete second sentence.

CORN

- [] HONCHO plus LASSOR []**
- [] HONCHO plus LASSO plus []**
ATRAZINE
- [] HONCHO plus LASSO plus []**
BLADEX™

litre or 3 pounds per U.S. gallon of the acid, glyphosate.

Patent ⁽¹⁾is protected by U.S. Pat. No. 3,799,758 and U.S. Pat. No. 4,405,536. Other patents pending.

DELETE: "is" following Patent

ADD NEW SENTENCE:
No License granted under any non-U.S. patent.

©MONSANTO COMPANY 1988

MONSANTO COMPANY
AGRICULTURAL PRODUCTS
ST. LOUIS, MISSOURI 63167 U.S.A.

GENERAL INFORMATION

DO NOT APPLY THIS PRODUCT USING AERIAL SPRAY EQUIPMENT EXCEPT UNDER CONDITIONS AS SPECIFIED WITHIN THIS LABEL.

This product, a water soluble liquid, mixes readily with water to be applied as a ~~foliage spray for the control or~~ destruction of most herbaceous plants. It may be applied through most standard industrial or field type sprayers after dilution and thorough mixing with water in accordance with label instructions.

CHANGE: foliage to foliar

This product moves through the plant from the point of foliage contact to and into the root system. Visible effects on most annual weeds occur within 2 to 4 days, but on most perennial weeds may not occur for 7 days or more. Extremely cool or cloudy weather following treatment may slow down activity of this product and delay visual effects of control. Visible effects are a gradual wilting and yellowing of the plant which advances to complete browning of above ground growth and deterioration of underground plant parts.

Unless otherwise specified on this

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HONCHO plus LASSO plus
SIMAZINE

HONCHO plus ATRAZINE plus
SIMAZINE

SOYBEANS

HONCHO plus LASSO

HONCHO plus LASSO
plus LINURON

HONCHO plus LASSO plus LEXONE™

HONCHO plus LASSO plus SENCOR™

Apply these tank mixtures in 10 to 40 gallons of water per acre after planting or during planting in such manner that the planter does not disturb the treated soil. Do not apply these mixtures after crop emergence.

REDUCED CONTROL MAY RESULT IF THIS PRODUCT IS USED IN TANK MIXTURES CONTAINING FLUID FERTILIZERS.

CONTROL OF EMERGED WEEDS

Annual Weeds--Apply to actively growing grasses and broadleaf weeds. Use 1 quart of Honcho herbicide per acre in these tank mixtures if weeds are less than 6 inches tall. If weeds are over 6 inches tall, apply 1.5 quarts of this product per acre. For emerged annual weeds controlled, see the "Weeds Controlled" section of this label.

Perennial Weeds--At normal application rates in minimum tillage systems, perennial weeds may not be at the proper stage of growth for control. See the "General Information" section of this label for the proper stage of growth for perennial weeds.

Use of 2 to 4 quarts of Honcho

label, delay application until vegetation has emerged and reached the stages described for control of such vegetation under the "Weeds Controlled" section of this label. Unemerged plants arising from unattached underground rhizomes or root stocks of perennials will not be affected by the spray and will continue to grow. For this reason, best control of most perennial weeds is obtained when treatment is made at late growth stages approaching maturity.

Always use the higher rate of this product per acre within the recommended range when (1) weed growth is heavy or dense, or (2) weeds are growing in an undisturbed (noncultivated) area.

Do not treat weeds under poor growing conditions such as drought stress, disease or insect damage, as reduced weed control may result. Reduced results may also occur when treating weeds heavily covered with dust.

Reduced control may result when applications are made to annual or perennial weeds that have been mowed, grazed, or cut, and have not been allowed to regrow ~~for~~ the recommended stage for treatment.

REPLACE: for with to

Rainfall or irrigation occurring within 6 hours after application may reduce effectiveness. Heavy rainfall or irrigation within 2 hours after application may wash the chemical off the foliage and a repeat treatment may be required.

This product herbicide does not provide residual weed control. For subsequent residual weed control, follow a label-approved herbicide program. Read and carefully observe the cautionary statements and all other information appearing on the labels of all herbicides used.

Buyer and all users are responsible

herbicide per acre in these tank mixtures, under these conditions provides top kill and reduces competition from many emerged perennial grass and broadleaf weeds. For emerged perennial weeds controlled, see the "Weeds Controlled" section of this label.

To obtain the desired stage of growth, it may be necessary to apply Honcho herbicide alone in the late summer or fall and then follow with a label-approved, seedling weed control program at planting.

NOTE: When using these tank mixtures, do not exceed 4 quarts of Honcho herbicide per acre.

USE OF THESE TANK MIXTURES FOR BERMUDAGRASS OR JOHNSONGRASS CONTROL IN MINIMUM TILLAGE SYSTEMS IS NOT RECOMMENDED. For bermudagrass control, follow the instructions under "Control of Perennial Weeds" section of this label and then use a label-approved, seedling weed-control program in a minimum tillage or conventional tillage system. For Johnsongrass control, follow the instructions under "Control of Perennial Weeds" section of the label, and then use a label-approved seedling weed-control program with conventional tillage.

The following are labeled ranges for the recommended pre-emergence herbicides:

RATES/ACRE

PRODUCT	(QUARTS)	(POUNDS)
Lasso 4 EC	2 to 4	0
Atrazine 4L	1 to 2	0
Atrazine 80WP	0	1.25 to 2.3
Atrazine 90DF	0	1.1 to

Delete reference to Lasso EC.

container closed to prevent spills and contamination.

MIXING, ADDITIVES AND APPLICATION INSTRUCTIONS

APPLY THESE SPRAY SOLUTIONS IN PROPERLY MAINTAINED AND CALIBRATED EQUIPMENT CAPABLE OF DELIVERING DESIRED VOLUMES. DO NOT APPLY UNDER WIND OR OTHER CONDITIONS WHICH ALLOW DRIFT TO OCCUR. HAND GUN APPLICATIONS SHOULD BE PROPERLY DIRECTED TO AVOID SPRAYING DESIRABLE PLANTS. NOTE: REDUCED RESULTS MAY OCCUR IF WATER CONTAINING SOIL IS USED, SUCH AS WATER FROM PONDS AND UNLINED DITCHES.

MIXING

This product requires use with a nonionic surfactant. When using this product, mix 4 to 8 quarts (1 to 2 percent solution) of a nonionic surfactant per 100 gallons of spray solution. Use the 8-quart rate for any surfactant containing less than 50 percent active ingredient. Read and carefully observe surfactant cautionary statements and other information appearing on the surfactant label.

This product mixes readily with water. Mix spray solutions of this product as follows: Fill the mixing or spray tank with the required amount of water. Add the proper amount of this product (see "Directions for Use" and "Weeds Controlled" sections of this label) and nonionic surfactant near the end of the filling process and mix well. Remove hose from tank immediately after filling to avoid siphoning back into the carrier source. During mixing and application foaming of the spray solution may occur. To prevent or minimize foam, avoid the use of mechanical agitators, place the filling hose

below the surface of the spray solution, terminate by-pass and return lines at the bottom of the tank and if needed use an approved anti-foam or defoaming agent.

CLEAN SPRAYER AND PARTS IMMEDIATELY AFTER USING THIS PRODUCT BY THOROUGHLY FLUSHING WITH WATER AND DISPOSE OF RINSATE ACCORDING TO LABELED USE OR DISPOSAL INSTRUCTIONS.

TANK MIXTURES

Always predetermine the compatibility of labeled tank mixtures of this herbicide with water carrier by mixing small proportional quantities in advance.

Mix labeled tank mixtures of Honcho herbicide with water as follows:

1. Place a 20 to 35 mesh screen or wetting basket over filling port.
2. Through the screen, fill the sprayer tank one-half full with water and start agitation.
3. If a wettable powder is used, make a slurry with the water carrier, and add it SLOWLY through the screen into the tank. Continue agitation.
4. If a flowable formulation is used, pre-mix one part flowable with one part water. Add diluted mixture SLOWLY through the screen into the tank. Continue agitation.
5. If an emulsifiable concentrate formulation is used, pre-mix one part emulsifiable concentrate with two parts water. Add diluted mixture slowly through the screen into the tank. Continue agitation.
6. Continue filling the sprayer tank with water and add the required amount of Honcho herbicide near the end of the filling.

- 7. Add nonionic surfactant to the spray tank before completing the filling process.
- 8. Add individual formulations to the spray tank as follows: wettable powder, flowable, emulsifiable concentrate, drift control additive, water soluble liquid followed by surfactant.

Maintain good agitation at all times until the contents of the tank are sprayed. If the spray mixture is allowed to settle, thorough agitation is required to resuspend the mixture before spraying is resumed.

Keep by-pass line on or near bottom of tank to minimize foaming. Screen size in nozzle or line strainers should be no finer than 50 mesh. Carefully select proper nozzle to avoid spraying a fine mist. For best results with conventional ground applications equipment, use flat fan nozzles.

Clean sprayer and parts immediately after using this product by thoroughly flushing with water.

ADDITIVES

AMMONIUM SULFATE

The addition of 2 percent dry ammonium sulfate by weight or 17 pounds per 100 gallons of water may increase the performance of Honcho and Honcho plus 2,4-D amine or Banvel™ tank mixtures on annual and perennial weeds. The improvement in performance may be apparent where environmental stress is a concern. Low-quality ammonium sulfate may contain material that will not readily dissolve which could result in nozzle tip plugging. To determine

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stage for treatment.

For specific rates of applications and instructions, see the "Weeds Controlled" section of this label.

TANK MIXTURES
 TREE AND VINE CROPS

When applied as a tank mixture, this product provides control of the emerged annual weeds and partial control of the emerged perennial weeds listed in this label. The following residual herbicides will provide preemergence control of those weeds listed in the individual product labels.

- HONCHOR[®] plus GOAL[™] 1.6E
- HONCHO plus KARMEX[™] WP
- HONCHO plus KROVAR[™] I
- HONCHO plus KROVAR[™] II
- HONCHO plus SIMAZINE, CALIBER[™] 90
- HONCHO plus SIMAZINE 4L
- HONCHO plus SIMAZINE 80W
- HONCHO plus SOLICAM[™] 80WP
- HONCHO plus SURFLAN[™] AS
- HONCHO plus SURFLAN 75W
- HONCHO plus SIMAZINE (80W, or 4L, or CALIBER 90) plus SURFLAN (AS or 75W)
- HONCHO plus GOAL (1.6E) plus SURFLAN (AS or 75W)
- HONCHO plus GOAL (1.6E) plus SIMAZINE (80W, or 4L, or CALIBER 90)^{*}

ADD NEW TANK MIXTURE:

- HONCHO plus GOAL (1.6E) plus SURFLAN (AS or 75W) plus simazine (80W, 4L, or Caliber 90)

*See the Honcho plus Goal plus

applications.

Selective Equipment--Shielded sprayers

See the appropriate part of this section for specific rates of application and instructions.

[] AERIAL EQUIPMENT []

Use the recommended rates of this herbicide in 3 to 15 gallons of water per acre unless otherwise specified on this label. See the "WEEDS CONTROLLED" section of this label for specific rates. Aerial applications of this product may only be made in fallow and reduced tillage systems and preharvest. Refer to the individual use area sections of this label for recommended volumes and application rates.

Avoid direct application to any body of water.

AVOID DRIFT--DO NOT APPLY DURING INVERSION CONDITIONS, WHEN WINDS ARE GUSTY, OR UNDER ANY OTHER CONDITION WHICH WILL ALLOW DRIFT. DRIFT MAY CAUSE DAMAGE TO ANY VEGETATION CONTACTED TO WHICH TREATMENT IS NOT INTENDED. TO PREVENT INJURY TO ADJACENT DESIRABLE VEGETATION, APPROPRIATE BUFFER ZONES MUST BE MAINTAINED.

Coarse sprays are less likely to drift, therefore, do not use nozzles or nozzle configurations which dispense spray as fine spray droplets. Do not angle nozzles forward into the airstream and do not increase spray volume by increasing nozzle pressure.

Drift control additives may be used. When a drift control additive is used, read and carefully observe the cautionary statements and all other information appearing on the additive label.

Replace the first paragraph of the "AERIAL EQUIPMENT" section with:

Use the recommended rates of this product in 3 to 15 gallons of water per acre unless otherwise specified on this label. See the "Weeds Controlled" section of this label for specific rates. Unless otherwise specified, do not exceed the one quart rate per acre of this product. (Aerial applications of this product may be made in annual cropping conventional tillage systems, preharvest. Refer to the individual use area sections of this label for recommended volumes and application rates.) FOR AERIAL APPLICATION IN CALIFORNIA, REFER TO THE FEDERAL LABEL FOR AERIAL APPLICATIONS IN THAT STATE FOR SPECIFIC INSTRUCTIONS, RESTRICTIONS AND REQUIREMENTS.

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geographical restrictions and precautionary statements.

Read and carefully observe the label claims, cautionary statements, rates and all other information on the labels of all products. Use according to the most restrictive label directions for each product in the mixture.

Delete last sentence.

For specific rates of application and instructions see the "Weeds Controlled" section of this label

Insert new section:

[] HONCHO^R plus GOAL plus SIMAZINE []

[] HONCHO plus GOAL []

(California only)

Honcho alone and Honcho plus Goal tank mixtures will control or suppress annual weeds listed below.

Honcho may be tank mixed with Goal plus simazine for broad-spectrum postemergence and preemergence control. Refer to the following table for approved crops and rate ranges for each product in this tank mix. Refer to the individual product labels for weeds controlled, geographical restrictions, precautionary statements and specific use rates.

Apply recommended rates of Honcho or Honcho plus Goal tank mixtures in 3 to 10 gallons of water per acre. Apply when weeds are actively growing and less than 6 inches in height. If weeds are under drought stress, irrigate prior to application.

RECOMMENDED RATES AND WEEDS CONTROLLED

C = Control S = Suppression

RATE RANGES*

CROP	HONCHOR ^R + (quarts)	GOAL	SIMAZINE
		1.6E + (quarts)	80W** (pounds)
Grapes	1 to 1.5	1 to 4	2.5 to 5
Almond	1 to 1.5	1 to 4	1.25 to 2.5

Change Goal rates to: 1.25 to 5

Use equivalent rate of Caliber 90 or simazine 4L.

*Rate dependent on weeds present.

**Rate dependent on soil type and weeds present.

TMCaliber is a trademark of Ciba-Geigy Corporation.

Weed Species:	Honcho Rate (fl.oz./acre)			Honcho + Goal (fl.oz./acre)
	8	12	16	
Bluegrass, annual	C	C	C	C
Barley	C	C	C	C
Cheeseweed (3")	S	S	S	C
Rocket, London	S	S	C	C
Shepherdspurse	S	S	C	C
Chickweed	S	C	C	C
Fleabane, flaxleaf	S	C	C	C
Red Maids	S	C	C	C
				16 + (4 to 16)
Barnyardgrass	S	C	C	C
Cheeseweed (3-6")	S	S	S	C
Crabgrass	S	S	C	C
Groundsel, common	S	S	C	C
Junglerice	S	S	C	C
Lambsquarters	S	S	C	C
Marestail	S	S	C	C
Pigw 1, redroot	S	S	C	C

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For the control of labeled annual weeds with hand-held CDA units, apply a 20 percent solution of this product plus a 5 percent solution of nonionic surfactant at a flow rate of 2 fluid ounces per minute and a walking speed of 1.5 MPH (1 quart per acre). For the control of labeled perennial weeds, apply a 20 to 40 percent solution of this product plus a 5 to 10 percent solution of nonionic surfactant at a flow rate of 2 fluid ounces per minute and a walking speed of 0.75 MPH (2 to 4 quarts per acre).

Controlled droplet application equipment produces a spray pattern which is not easily visible. Extreme care must be exercised to avoid spray or drift contacting the foliage or any other green tissue of desirable vegetation as damage or destruction may result.

[] HAND-HELD and HIGH-VOLUME [] EQUIPMENT

Use coarse sprays only

Mix this product in clean water and apply to foliage of vegetation to be controlled. For applications made on a spray-to-wet basis, spray coverage should be uniform and complete. Do not spray to the point of runoff.

Use a 1 percent solution, unless other wise specified. For best results, use a 2 percent solution on harder to control perennials, such as bermudagrass, dock, field bindweed, hemp dogbane, milkweed and Canada thistle.

Less than complete coverage of weeds may result from the use of spray equipment designed for motorized spot treatments. Where less than complete coverage of annual weeds occurs, use a 5 percent solution. Do not reduce recommended concentrations of Honcho when adding surfactant.

Add: New paragraph after first paragraph.

[For control of annual weeds listed on this label apply a 0.5 percent solution of this product plus nonionic surfactant to weeds less than 6 inches in height or runner length. Apply prior to seedhead formation in grasses or bud formation in broadleaves. Allow three or more days before tillage or mowing.

Replace: first sentence in second paragraph with:

[For annual weeds over 6 inches tall, or unless otherwise specified, use a 1 percent solution.

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Louisiana, Mississippi, North Carolina, South Carolina, and Tennessee only, apply with a shielded boom sprayer or shielded wiper applicator which prevents any contact of this product with the foliage or bark of trees. Apply no later than 90 days after first bloom. Applications made after this time may result in severe damage. Remove suckers and low hanging limbs at least 10 days prior to application. Avoid applications near trees with recent pruning wounds or other mechanical injury. Apply only near trees which have been planted in the orchard for 2 or more years. EXTREME CARE MUST BE TAKEN TO ENSURE NO PART OF THE PEACH TREE IS CONTACTED.

Tropical Fruit: acerola, avacado, banana (plantains), coffee, figs, guava, mango, papaya, tea. Allow a minimum of 1 day between last application and harvest of guava and papaya. In coffee and banana delay applications 3 months after transplanting to allow the new coffee or banana plant to become established.

NOTE:

*Allow a minimum of 14 days between last application and harvest.

Add:

← { *** = 17 days
 **** = 28 days

**Allow a minimum of 21 days between last application and harvest of these crops.

VINE CROPS

Kiwi Fruit

Grapes: Any variety of table, wine, or raisin grape may be treated with any equipment listed in this section.

In the northeast and Great Lakes

Bahlagrass

This product will provide significant inhibition of seedhead emergence and will suppress vegetative growth for a period of approximately 45 days with a single application and approximately 120 days with sequential applications. Apply this product 1 to 2 weeks after full greenup or after mowing to a uniform height of 3 to 4 inches. Applications must be made prior to seed head emergence. Apply 6 fluid ounces of this product in 10 to 25 gallons of water per acre.

Sequential applications of this product may be made at approximately 45 day intervals to extend the period seedhead and vegetative growth suppression. For continued seedhead suppression, sequential applications must be made prior to seedhead emergence. Apply no more than 2 sequential applications per year. As a first sequential application, apply 4 fluid ounces of this product per acre. A second sequential application of 2 to 4 fluid per acre may be made approximately 45 days after the last application.

Bermudagrass

For burndown, apply 1 to 2 quarts of this product in 3 to 20 gallons of water per acre. Use 1 quart in 3 to 20 gallons of water per acre east of the Rocky Mountains. Use 1 to 2 quarts of this product in 3 to 10 gallons of water per acre west of the Rocky Mountains. Use this treatment only if reduction of the bermudagrass stand can be tolerated. When burndown is required prior to harvest, allow at least 21 days to ensure sufficient time for burndown to occur.

Suppression only--(east of the Rocky Mountains). Apply 6 to 16 fluid ounces of this product in 3 to 20 gallons of water per acre no sooner than 1 to 2 weeks after full green-up. Mowing prior to application may occur provided a minimum height of 3 inches is maintained. Rates of 6 to 10 fluid ounces should be used where a lesser degree of suppression is desired. Sequential applications may be made when regrowth occurs and bermudagrass injury and stand reduction can be tolerated.

Suppression only--(west of the Rocky Mountains). Apply 16 fluid ounces of this product in 3 to 10 gallon of water per acre to bermudagrass up to 6 inches in height and no sooner than 1 to 2 weeks after full green-up. Mowing prior to application may occur provided a minimum height of 3 inches is maintained. Sequential applications may be made when regrowth occurs and bermudagrass injury and stand reduction can be tolerated.

Cool Season Grass Covers

For s...ression of tall fescue, fine fescue, orchardgrass

[] SELECTIVE EQUIPMENT []

This product may be applied through a shielded applicator applicator after dilution and thorough mixing with water to listed weeds growing in any noncrop site specified on this label and only when specifically recommended in cropping systems.

A shielded applicator directs the herbicide solution onto weeds while shielding desirable vegetation from the herbicide.

AVOID CONTACT WITH DESIRABLE VEGETATION.

Contact of the herbicide solution with the desirable vegetation may result in damage or destruction. Applicators used above desired vegetation should be adjusted so that the lowest spray stream or wiper contact point is at least two inches above the desirable vegetation. Droplets, mist, foam, or splatter of the herbicide solution settling on desirable vegetation may result in discoloration, stunting, or destruction.

Weeds not contacted by the herbicide solution will not be affected. This may occur in dense clumps, severe infestations, or when the height of the weeds varies so that not all weeds are contacted. In these instances, repeat treatment may be necessary.

See the "Weeds Controlled" section of this label for recommended stage of growth for specific weeds.

NOTE

† Maintain equipment in good operating condition. Avoid leakage or dripping onto desirable vegetation.

† Adjust height of applicator to insure adequate contact with weeds

- † Keep shields on shielded applicators adjusted to protect desirable vegetation.
- † DO NOT operate equipment at ground speeds greater than 5 mph. Weed control may be affected by speed of application equipment. As weed density increases, reduce equipment ground speed to insure good coverage of weeds.

SHIELDED APPLICATORS

When applied as directed under conditions described for shielded applicators, this product will control those weeds listed in the "Weeds Controlled" section of this label.

Shielded applicators which apply the herbicide solution as a spray band should be calibrated on a broadcast equivalent rate and volume basis. To determine these:

Band width in inches	X	Herbicide Broadcast RATE per acre	=	Herbicide Band RATE per acre
-------------------------	---	--	---	------------------------------------

Row width
in inches

Band width in inches	X	Broadcast VOLUME of solution per acre	=	Band VOLUME of solution per acre
-------------------------	---	--	---	--

Row width
in inches

Use nozzles that provide uniform coverage within the treated area. EXTREME CARE MUST BE EXERCISED TO AVOID CONTACT WITH DESIRABLE VEGETATION.

For specific rates of application and instructions for control of various annual and perennial weeds, see the "Weeds Controlled" section of this label.

WEEDS CONTROLLED

This herbicide controls many annual and perennial grasses and broadleaf weeds.

ANNUAL WEEDS

- † Apply to actively growing grass and broadleaf weeds.
- † Allow at least 3 days after treatment before tillage.
- † For maximum agronomic benefit, apply when weeds are 6 inches or less in height.
- † To prevent seed production, applications should be made prior to seedhead formation.
- † This product does not provide residual control; therefore, delay application until maximum weed emergence. Repeat treatments may be necessary to control later germinating weeds.

**LOW-VOLUME BROADCAST APPLICATION
(LOW-RATE TECHNOLOGY)**

When applied as directed under the conditions described, this product will control the weeds listed below when:

1. Water carrier volumes are 3 to 10 gallons per acre for ground applications and 3 to 5 gallons per acre for aerial applications. (See the "Aerial Application" section of this label for approved sites.)

NOTE

- † The addition of 2 percent dry ammonium sulfate by weight or 17 pounds per 100 gallons of water may increase the performance of this herbicide on annual weeds. The

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improvement in performance may be apparent where environmental stress is a concern. Refer to the "Mixing, Additives and Application Instructions" section of this label.

‡ Do not tank-mix with soil residual herbicides when using these rates unless otherwise specified.

‡ Do not use these rates for weeds that have been mowed, grazed, or cut. (Refer to the "High-Volume Broadcast Application" portion of this section for recommended rates.)

‡ Refer to the "Tank Mixtures" portion of this section for control of additional broadleaf weeds.

Replace paragraph 3 with:

For weeds that have been mowed, grazed, or cut, allow regrowth to occur prior to treatment.

WEED SPECIES	MAXIMUM HEIGHT	RATE PER ACRE**
Foxtail Setaria spp.	12"	8 oz.
Barnyardgrass Echinochloa crus-galli	6"	12 oz.
Bluegrass, annual Poa annua		
Brome, downy* Bromus tectorum		
Mustard, blue Chorispora tenella		
Mustard, tansy Descurainia pinnata		
Mustard, tumble Sisymbrium altissimum		
Mustard, wild Sinapis arvensis		

Add to rates for barnyardgrass:

(0-4"	16 oz. ¹)
(4-6"	24 oz. ¹)

Move Spurry, umbrella from 12" section to 6" section, place it alphabetically following Mustard, wild.

Barley
Hordeum vulgare 12"

Rye
Secale cereale

Sandbur, field
Cenchrus spp.

Shattercane
Sorghum bicolor

Spurry, umbrella
Holosteum
umbellatum

Move Spurry, umbrella to 6" section.

Stinkgrass
Eragrostis
cilianensis

Wheat
Triticum aestivum 18"

Morningglory
Ipomea spp. 3" 16 oz.

Change: Morningglory height to 2"

Add: Sicklepod to Morningglory height and rate.

Bluegrass,
bulbous
Poa bulbosa 6"

Add new height to Bluegrass = 6" and all weeds following through Shepherdspurse.

Cheat
Bromus secalinus

Chickweed, mouseear
Cerastium vulgatum

Corn
Zea mays

Groundsel, common
Senecio vulgaris

Horseweed/Marestail
Conyza canadensis

Add: Lambsquarters, common following Horseweed/Marestail.
in 6" 16 oz. section.

Pennycress, field
Fanweed
Thlaspi arvense

Rocket, London
Sisymbrium irio

Ryegrass, Italian 6" 16 oz.
Lolium multiflorum

Shepherdspurse
Capsella bursa-
pastoris

Buttercup
Ranunculus spp. 12"

Cocklebur
Xanthium
pennsylvanicum

Crabgrass
Digitaria spp.

Dwarf dandelion
Krigia cespitosa

Falseflax,
smallseed
Camelina
microcarpa

Foxtail, Carolina
Alopecurus
carolinianus

Johnsongrass,
seedling
Sorghum halepense

Lambsquarters, <-
common
Chenopodium album

Delete: Lambsquarters from the 12" 16 oz. section of table.

Oats, wild
Avena fatua

Panicum, fall
Panicum
dichotomiflorum

Panicum, Texas
Panicum texanum

Pigweed, redroot
Amaranthus
retroflexus

Pigweed, smooth
Amaranthus hybridus

Witchgrass 12" 16 oz.
Panicum capillare

Signalgrass, broadleaf
Brachiaria platyphylla

6" 24 oz

Add: Sicklepod 3-4" 24 oz.
Cassia obtusifolia

Change: Signalgrass height to 4".

Teaweed
Sida spinosa

3" 32 oz.

Add: Horseweed/Marestail 7-12" 24 oz.
Add: Lambsquarters, common 7-12" 24 oz.

Change: Teaweed height to 4"

Geranium, Carolina 12"
Geranium carolinianum

Add: Rice, Red 6" 32 oz. following Teaweed.

Goosegrass
Eleusine indica

Primrose, cutleaf evening
Oenothera laciniata

usley, Florida
Richardia scabra

Sicklepod <
Cassia obtusifolia

Change: Sicklepod height to 5-12".

Spanishneedles
Bidens bipinnata

Filaree
Erodium spp. 12" 48 oz.

Add: ¹Use these rates in AR, MS, LA, TX for preplant treatments.

"For control in no-till systems, use 16 fluid ounces per acre.

**For those rates less than 32 ounces per acre, Honcho at rates up to 32 ounces per acre may be used where heavy weed densities exist.

[] TANK MIXTURES []

[] HONCHO^R plus BANVEL plus NONIONIC SURFACTANT []

[] HONCHO plus 2,4-D AMINE plus NONIONIC SURFACTANT []

DO NOT APPLY BANVEL OR 2,4-D AMINE TANK MIXTURES BY AIR IN CALIFORNIA.

These tank mixtures are recommended for use in fallow and reduced tillage areas only. Follow use directions as given in the "Low-Volume Broadcast Application" section.

Honcho plus Banvel or 2,4-D amine will control the annual grasses and broadleaf weeds previously listed for Honcho alone at the indicated heights (except 8 ounces per acre applications), plus the following broadleaf weeds. For those weeds previously listed at 8 ounces of Honcho herbicide alone per acre, use the 12-ounce rate in these tank mixtures.

NOTE: Refer to the specific product labels for crop rotation restrictions and cautionary statements of all products used in tank mixtures. Some crop injury may occur if Banvel is applied within 45 days of planting. The addition of Banvel in a mixture with this product may provide short-term residual control of selected weed species.

Apply 12 to 16 ounces of this product plus 0.25 lb. a.i. of Banvel or 0.5 pound a.e. of 2,4-D amine per acre to control dense populations of the following annual broadleaf weeds when less than 6 inches in height:

Kochia* Kochia scoparia Pigweed, red* Amaranthus retroflexus

ACCEPT

OCT 31 1985

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 524-326

HONCHO[®]

HERBICIDE

(EPA Reg. No. 524-326)

FOR AERIAL APPLICATION IN FALLOW AND REDUCED TILLAGE SYSTEMS, PRIOR TO CROP EMERGENCE, IN CALIFORNIA ONLY.

Keep out of reach of children.

WARNING!

In case of an emergency involving this product, Call Collect, day or night. (314) 694-4000.

Honcho[®] is a registered trademark of Monsanto Company.

DIRECTIONS FOR USE

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

This label must be in the possession of the user at the time of herbicide application.

CROPPING SYSTEMS

See "GENERAL INFORMATION" and "MIXING, ADDITIVES AND APPLICATION INSTRUCTIONS" sections of the label booklet for essential product performance information.

See the "CROPPING SYSTEMS" section of the label booklet for specific recommendations on the use of this product prior to the planting or emergence of labeled crops.

EXTREME CARE MUST BE EXERCISED TO AVOID CONTACT OF THE SPRAY WITH FOLIAGE, GREEN STEMS, OR FRUIT OF DESIRABLE CROPS, PLANTS, TREES OR OTHER DESIRABLE VEGETATION, SINCE SEVERE DAMAGE OR DESTRUCTION MAY RESULT.

Repeat treatments may be necessary to control weeds regenerating from ~~underground parts or seed.~~ Except as otherwise specified on the label, repeat treatments must be made before the crop emerges, in accordance with the instructions in the label.

Do not plant subsequent crops other than those listed in the label booklet for this product for 30 days following application.

Do not graze treated cotton fields or

feed treated cotton forage to livestock.

For other cropping systems, do not feed or forage treated crops within 8 weeks after application.

When applied as recommended, under the conditions described, this product controls annual and perennial weeds listed in the label booklet prior to the emergence of direct seeded crops or prior to the transplanting of crops listed in the current label booklet for Honcho herbicide.

FALLOW and REDUCED TILLAGE SYSTEMS

EMERGED ANNUAL WEEDS

Use this product in fallow and reduced tillage systems prior to the emergence of crops listed on the label.

Lambsquarters Thistle, Russian
Chenopodium album Salsola kali

Lettuce, prickly
Lactuca serriola

*Controlled with Banvel tank mixture only.

HIGH-VOLUME BROADCAST APPLICATIONS

When applied as directed under the conditions described, this product will control the weeds listed below when water carrier volumes are 10 to 40 gallons per acre for ground applications.

Use 1 quart of this product per acre if weeds are less than 6 inches tall. If weeds are over 6 inches tall, use 1.5 quarts of this product per acre. If weeds have been mowed, grazed, or cut allow adequate time for new growth to recommended stages prior to treatment. These rates will also provide control of weeds listed in the "Low-Volume Broadcast Application" section.

WEED SPECIES

Balsamapple [®] Momordica charantia	Panicum Panicum spp.
Bassia, fivehook Bassia hyssopifolia	Ragweed, common Ambrosia artemisiifolia
Brome Bromus spp.	Ragweed, giant Ambrosia trifida
Fiddleneck Amsinckia spp.	Smartweed, Pennsylvania Polygonum pensylvanicum
Flaxleaf, hairy Conyza bonariensis	Sowthistle, annual Sonchus oleraceus
Fleabane Erigeron spp.	Sunflower Helianthus annuus
Kochia Kochia scoparia	Thistle, Russian Salsola kali

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Read each of these sections of this label for essential product performance information.

USE THESE CONVENIENT SECTION MARKERS

PRECAUTIONARY STATEMENTS

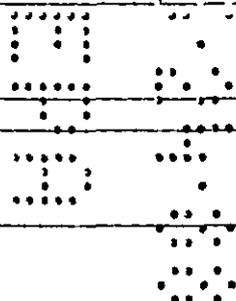
GENERAL INFORMATION

MIXING & APPLICATION INSTRUCTIONS

APPLICATION EQUIPMENT & TECHNIQUES

WEEDS CONTROLLED

FORESTRY AND UTILITY RIGHTS-OF-WAY



ACCEPTED

OCT 31 1988

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 524-326

Read the entire label before using this product.

Use only according to label instructions.

Read "LIMIT OF WARRANTY AND LIABILITY" before buying or using. If terms are not acceptable, return at once unopened.

REFORMULATION IS PROHIBITED.

LIMIT OF WARRANTY AND LIABILITY

This Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes set forth in the Complete Directions for Use label booklet ("Directions") when used in accordance with those Directions under the conditions described therein. NO OTHER EXPRESS WARRANTY OR IMPLIED WARRANTY OF FITNESS FOR PARTICULAR PURPOSE OR MERCHANTABILITY IS MADE. This warranty is also subject to the conditions and limitations stated herein.

Buyer and all users shall promptly notify this Company of any claims whether based in contract, negligence, strict liability, other tort or otherwise.

Buyer and all users are responsible for all loss or damage from use or handling which results from conditions beyond the control of this Company, including, but not limited to, incompatibility with products other than those set forth in the Directions, application to or contact with desirable vegetation, unusual weather, weather conditions which are outside the range considered normal at the application site and for the time period when the product is applied, as well as weather conditions which are outside the application ranges set forth in the Directions, application in any manner not explicitly set forth in the Directions, moisture conditions outside the moisture range specified in the Directions, or the presence of products other than those set forth in the Directions in or on the soil, crop, or treated vegetation.

THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE LIMIT OF THE LIABILITY OF THIS COMPANY OR ANY OTHER SELLER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT (INCLUDING CLAIMS BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY, OTHER TORT OR OTHERWISE) SHALL BE THE PURCHASE PRICE PAID BY THE USER OR BUYER FOR THE QUANTITY OF THIS PRODUCT INVOLVED, OR, AT THE ELECTION OF THIS COMPANY OR ANY OTHER SELLER, THE REPLACEMENT OF SUCH QUANTITY, OR, IF NOT ACQUIRED BY PURCHASE, REPLACEMENT OF SUCH QUANTITY. IN NO EVENT SHALL THIS COMPANY OR ANY OTHER SELLER BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES.

Buyer and all users are deemed to have accepted the terms of this LIMIT OF WARRANTY AND LIABILITY which may not be varied by any verbal or written agreement.

PRECAUTIONARY STATEMENTS

3/1/20

Hazards to Humans and Domestic Animals

Keep out of reach of children.

CAUTION!

MAY CAUSE EYE IRRITATION.

Avoid contact with eyes, skin or clothing.

Wash thoroughly with soap and water after handling.

FIRST AID: IF IN EYES, flush with plenty of water for at least 15 minutes.
Call a physician.

IF ON SKIN, flush with water. Wash clothing before reuse.

In case of an emergency involving this product,
Call Collect, day or night, (314) 694-4000.

Environmental Hazards

Do not contaminate water by cleaning of equipment or disposal of wastes.

Treatment of aquatic weeds can result in oxygen loss from decomposition of dead plants. This loss can cause fish suffocation.

In case of:

SPILL or LEAK, soak up and remove to a landfill.

Physical or Chemical Hazards

Spray solutions of this product should be mixed, stored and applied only in stainless steel, aluminum, fiberglass, plastic and plastic-lined steel containers.

DO NOT MIX, STORE OR APPLY THIS PRODUCT OR SPRAY SOLUTIONS OF THIS PRODUCT IN GALVANIZED STEEL OR UNLINED STEEL (EXCEPT STAINLESS STEEL) CONTAINERS OR SPRAY TANKS. This product or spray solutions of this product react with such containers and tanks to produce hydrogen gas which may form a highly combustible gas mixture. This gas mixture could flash or explode, causing serious personal injury, if ignited by open flame, spark, welder's torch, lighted cigarette or other ignition source.

ACTIVE INGREDIENT:

*Isopropylamine salt of glyphosate 41.5%

INERT INGREDIENTS: 58.5%
100.0%

*Contains 480 grams per litre or 4 pounds of the active ingredient isopropylamine salt of N-(phosphonemethyl)glycine per U.S. gallon. Equivalent to 356 grams per litre or 3 pounds per U.S. gallon of the acid, glyphosate.

Product is protected by U.S. Patent No. 3,799,758 and U.S. Patent No. 4,405,531. Other patents pending. No license granted under any non-U.S. patent.

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MONSANTO COMPANY
AGRICULTURAL PRODUCTS
ST. LOUIS, MISSOURI 63167 U.S.A.

GENERAL INFORMATION

This product, a water soluble liquid, mixes readily with water and nonionic surfactant to be applied as a foliar spray for the control or destruction of most herbaceous and woody plants.

This product moves through the plant from the point of foliar contact to and into the root system. Visible effects on most herbaceous weeds occur within 7 days but on most woody plants may not occur for 30 days or more.

After any site disturbance, such as logging, mechanical brush removal or mowing, allow stump sprouts, resprouts and foliar regrowth from woody brush and perennial herbaceous weeds, sufficient time to regrow before treatment.

Always use the higher recommended rates of this product and surfactant when treating dense, multicanopied sites of woody vegetation or difficult to control woody and herbaceous plants.

Reduced control may result when woody brush, trees and herbaceous weeds are treated under poor growing conditions caused by drought, disease or insect damage. Reduced control may result if the foliage of undesirable vegetation is covered with dust at the time of treatment.

1,20

Rainfall occurring within 6 hours after application may reduce effectiveness. Heavy rainfall within 2 hours after application may wash the product off the foliage and a repeat treatment may be required.

Buyer and all users are responsible for all loss or damage in connection with the use or handling of mixtures of this product or other materials that are not expressly recommended in this label. Mixing this product with herbicides or other materials not recommended on this label may result in reduced performance.

DIRECTIONS FOR USE

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

Storage and Disposal

Do not contaminate water, foodstuffs, feed or seed by storage or disposal.

STORAGE:

STORE ABOVE 10°F. (-12°C.) TO KEEP PRODUCT FROM CRYSTALIZING.

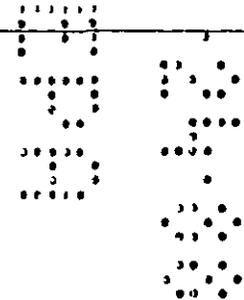
Crystals will settle to the bottom. If allowed to crystalize, place in a warm room 68°F (20°C) for several days to redissolve and roll drum or recirculate in mini-bulk containers to mix well before using. For bulk containers, see container label.

DISPOSAL:

Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or buried on site in a safe place away from water supplies. All disposal should be in accordance with applicable Federal, state or local procedures.

Emptied container retains vapor and product residue. Observe all labeled safeguards until container is cleaned, reconditioned or destroyed.

See the individual container label for disposal information.



6-11-80

FORESTRY AND UTILITY RIGHTS-OF-WAY

This product is recommended for the control or partial control of woody brush, trees and herbaceous weeds. This product is labeled for use in forestry and utility sites, including utility rights-of-way. This product is also recommended for use in preparing or establishing wildlife openings and maintaining logging roads.

In forestry, this product is recommended for use in site preparation prior to planting any tree species, including Christmas trees and silvicultural nursery sites. Use of this product with surfactants as an over-the-top spray in tree plantings or conifer release operations may result in severe injury or death of desirable trees.

In utility rights-of-way, this product is recommended for use along power, pipeline, telephone and in other utility sites such as substations, etc.

APPLICATION RATES AND TIMING

BROADCAST	RATE OF ACCORD™	SPRAY VOLUME (GALLONS PER ACRE)	SURFACTANT* (% BY/VOL)
AERIAL	2 to 5 qts/a	5 to 30	0.5 to 2.5
GROUND	2 to 5 qts/a	10 to 60	0.5 to 2.5
<u>SPRAY-TO-WET</u>			
HANDGUN, BACKPACK, MISTBLOWER	3/4 to 2% by volume	spray-to-wet	0.5 to 2.5

*THIS PRODUCT REQUIRES USE WITH A NONIONIC SURFACTANT. Use of this product without surfactant will result in reduced performance. See the "MIXING AND APPLICATION INSTRUCTIONS" section of this label for more information.

Use higher rates of this product within the recommended range for control or partial control of woody brush, trees and hard-to-control perennial herbaceous weeds. Increase rates within the recommended range for control of perennial herbaceous weeds any time after emergence. For best results, apply to actively growing woody brush and trees after full leaf expansion and before fall color and leaf drop.

Use the lower rates of this product within the recommended range for control of annual herbaceous weeds. Apply to the foliage of actively growing annual herbaceous weeds anytime after emergence. For best results, apply to the actively growing foliage of perennial herbaceous weeds after seedheads, flowers or berries appear.

This product has no herbicidal or residual activity in the soil. Where repeat applications are necessary, do not exceed 10.6 quarts of this product per acre per year.

WETLAND SITES

This product is suitable for application in and around water or wetland found in forestry and utility rights-of-way sites. Read and observe the following before making applications in and around water.

Consult local public water control authorities before applying this product in and around public water. Permits may be required to treat in such areas.

There is no restriction on the use of treated water for irrigation, recreation or domestic purposes.

Do not apply this product within 1/2 mile upstream of a potable water intake in flowing water (i.e., river, stream, etc.) or within 1/2 mile of a potable water intake in a standing body of water such as lake, pond or reservoir.

Do not apply in estuaries.

Do not spray across open moving bodies of water where woody brush, trees and herbaceous weeds do not exist. The maximum application rate of 5 quarts per acre must not be exceeded in a single application.

MIXING AND APPLICATION INSTRUCTIONS

APPLY THESE SPRAY SOLUTIONS IN PROPERLY MAINTAINED AND CALIBRATED EQUIPMENT CAPABLE OF DELIVERING DESIRED VOLUMES. HAND GUN APPLICATIONS SHOULD BE PROPERLY DIRECTED TO AVOID SPRAYING DESIRABLE PLANTS. NOTE: REDUCED RESULTS MAY OCCUR IF WATER CONTAINING SOIL IS USED, such as WATER FROM PONDS AND UNLINED DITCHES.

MIXING

This product mixes readily with water. Mix spray solutions of this product as follows: fill the mixing or spray tank with the required amount of water while adding the required amount of this product (see the "Directions for Use" and "WEEDS CONTROLLED" sections of this label.) Near the end of the filling process, add the required surfactant and mix well. Remove hose from tank immediately after filling to avoid siphoning back into the water source. During mixing and application, foaming of the spray solution may occur. To prevent or minimize foam, avoid the use of mechanical agitators, place the filling hose below the surface of the spray solution, terminate by-pass and return lines at the bottom of the tank and, if needed, use an approved antifoam or defoaming agent.

7. 20

This product requires use with a nonionic surfactant. Mix 2 or more quarts of a nonionic surfactant per 100 gallons of spray solution (0.5 percent or more by spray volume). **Always read and follow the manufacturer's surfactant label recommendations.** Use of surfactant concentrations greater than 1.5 percent by spray volume with handgun applications or 2.5 percent by spray volume with broadcast application is not recommended.

For application in and around water, the following surfactants are recommended:

Agri-Dex™
Arborchem Aquatic Surfactant
Cide-Kick™, Cide-Kick™ II
Induce™
LI-700™
Liqua-Wet™
Ortho X-77™
Passage™
Pro-Spreader Activator
R-11™
Spreader Sticker™
Super Spread™ 200
Widepread™

These surfactants should not be used in excess of 1 quart per acre when making broadcast applications in water.

Clean sprayer and parts immediately after using this product by thoroughly flushing with water and dispose of rinsate according to labeled use or disposal instructions.

Carefully observe all cautionary statements and other information appearing on the surfactant label.

™Agri-Dex and Induce are trademarks of the Helena Chemical Company.

Arborchem Aquatic Surfactant is distributed by Arborchem Products Company.

™Cide-Kick is a trademark of JLB International Chemical, Inc.

™Liqua-Wet is a trademark of the Woodbury Chemical Company.

™LI-700 is a trademark of Loveland Industries, Inc.

™Ortho X-77 is a trademark of Chevron Chemical Company.

™Passage is a trademark of Asgrow Florida Company.

Pro-Spreader Activator is distributed by Target Chemical Company.

™R-11 and Super Spread 200 are trademarks of the Wilbur-Ellis Company.

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"Spreader-Sticker is a trademark of the Southern Mill Creek Products Company.

"Widespread is a trademark of the FMC Corporation.

APPLICATION EQUIPMENT AND TECHNIQUES

ATTENTION

AVOID DRIFT. EXTREME CARE MUST BE USED WHEN APPLYING THIS PRODUCT TO PREVENT INJURY TO DESIRABLE PLANTS AND CROPS.

Do not allow the herbicide solution to mist, drip, drift, or splash onto desirable vegetation since minute quantities of this product can cause severe damage or destruction to the crop, plants, or other areas on which treatment was not intended. The likelihood of plant or crop injury occurring from the use of this product is greatest when winds are gusty or in excess of 5 miles per hour or when other conditions, including lesser wind velocities, will allow spray drift to occur. When spraying, avoid combinations of pressure and nozzle type that will result in splatter or fine particles (mist) which are likely to drift. AVOID APPLYING AT EXCESSIVE SPEED OR PRESSURE.

NOTE: Use of this product in any manner not consistent with this label may result in injury to persons, animals or crops, or other unintended consequences. When not in use, keep container closed to prevent spills and contamination.

[]

AERIAL EQUIPMENT

[]

This product is recommended for application by helicopter only in forestry sites and utility rights-of-way. Use the recommended rates of this product and surfactant in 5 to 30 gallons of clean water per acre as a broadcast spray.

IN CALIFORNIA, AERIAL APPLICATION MAY ONLY BE MADE IN NONRESIDENTIAL, FORESTRY SITES AND CHAPPARAL AREAS.

AVOID DRIFT--DO NOT APPLY DURING INVERSION CONDITIONS, WHEN WINDS ARE GUSTY, OR UNDER ANY OTHER CONDITION WHICH WILL ALLOW DRIFT; DRIFT MAY CAUSE DAMAGE TO ANY VEGETATION CONTACTED TO WHICH TREATMENT IS NOT INTENDED. TO PREVENT INJURY TO ADJACENT DESIRABLE VEGETATION, APPROPRIATE BUFFER ZONES MUST BE MAINTAINED.

Coarse sprays are less likely to drift; therefore, do not use nozzles or nozzle configurations which dispense spray as fine droplets.

10 mg. - 10

Drift control additives may be used. When a drift control additive is used, read and carefully observe the cautionary statements and all other information appearing on the additive label.

Thoroughly wash aircraft, especially landing gear, after each day of spraying to remove residues of this product accumulated during spraying or from spills. PROLONGED EXPOSURE OF THIS PRODUCT TO UNCOATED STEEL SURFACES MAY RESULT IN CORROSION AND POSSIBLE FAILURE OF THE PART. LANDING GEAR ARE MOST SUSCEPTIBLE. The maintenance of an organic coating (paint) which meets aerospace specification MIL-C-38413 may prevent corrosion.

[] **GROUND BROADCAST EQUIPMENT** []

This product is recommended for broadcast applications using suitable ground equipment in forestry sites, utility sites and utility rights-of-way. Use the recommended rates of this product plus surfactant in 10 to 60 gallons of clean water per acre as a broadcast spray. Check for even spray distribution throughout the spray pattern.

[] **BACKPACK, HANDGUN OR MISTBLOWER EQUIPMENT** []

This product is recommended for application through backpack, handgun or handheld mistblower equipment. Use the recommended rates of this product plus surfactant in clean water as a spray-to-wet application. Spray coverage should be uniform and complete, but not to the point of runoff. It is suggested that the recommended amount of this product and surfactant be mixed in a larger container and then added to the sprayer.

WEEDS CONTROLLED

WOODY BRUSH AND TREES

When applied as recommended under the conditions described, this product **CONTROLS, PARTIALLY CONTROLS or SUPPRESSES** most woody brush, trees and herbaceous weeds, some of which are listed below.

Alder

Alnus spp.

Ash

Fraxinus spp.

Aspen, quaking

Populus tremuloides

Bearmat (Bearclover)

Chamaebatia foliolosa

Beech

Fagus grandifolia

Birch
Betula spp.

Blackberry
Rubus spp.

Blackgum
Nyssa spp.

Bracken
Pteridium spp.

Broom:
French
Cytisus monspessulanus

Scotch
Cytisus scoparius

Buckwheat, California
Eriogonum fasciculatum

Cascara
Rhamnus purshiana

Catsclaw
Acacia greggi

Ceanothus
Ceanothus spp.

Chamise
Adenostoma fasciculatum

Cherry:
Bitter
Prunus emarginata

Black
Prunus serotina

Pin
Prunus pensylvanica

Coyote brush
Baccharis consanguinea

Creeper, Virginia
Parthenocissus quinquefolia

Dewberry
Rubus trivialis

Elderberry
Sambucus spp.

Elm
Ulmus spp.

Eucalyptus, blue gum
Eucalyptus glotulus

Hasardia
Haploxyppus squamosus

Hawthorn
Crataegus spp.

Hazel
Corylus spp.

**Holly, Florida;
Brazilian Peppertree**
Schinus terebinthifolius

Honeysuckle
Lonicera spp

Kudzu
Pueraria lobata

Locust, black
Robinia pseudoacacia

Mandrone
Arbutus menziesii

Manzanita
Arctostaphylos spp.

Maple
Acer spp.

Monkey Flower
Mimulus guttatus

Oak
Quercus spp.

Persimmon
Diospyros spp.

Pine
Pinus spp.

Poison Ivy
Rhus radicans

Poison Oak
Rhus toxicodendron

Poplar, yellow
Liriodendron tulipifera

Raspberry
Rubus spp.

Rose, multiflora
Rosa multiflora

Sage, black
Salvia mellifera

Sagebrush, California
Artemisia californica

Salmonberry
Rubus spectabilis

Saltbush, Sea myrtle
Baccharis halimifolia

Sassafras
Sassafras albidum

Sourwood
Oxydendrum arboreum

Sumac
Rhus spp.

Sweet Gum
Liquidambar styraciflua

Swordfern
Polystichum munitum

Tallowtree, Chinese
Sapium sebiferum

Tan Oak
Lithocarpus densiflorus

Thimbleberry
Rubus parviflorus

Tobacco, tree
Nicotiana glauca

Trumpet creeper
Campsis radicans

Waxmyrtle, southern
Myrica cerifera

Willow
Salix spp.

HERBACEOUS WEEDS

Bahiagrass
Paspalum notatum

Balsamapple
Momordica charantia

Barnyardgrass
Echinochloa crus-galli

Bassia, fivehook
Bassia hyssopifolia

Bermudagrass
Cynodon dactylon

Bindweed, field
Convolvulus arvensis

Bluegrass, Kentucky
Poa pratensis

Brackenfern
Pteridium aquilinum

Brome
Bromus spp.

Bromegrass, smooth
Bromus inermis

Broomsedge
Andropogon spp.

Buttercup
Ranunculus spp.

Cheat
Bromus secalinus

Chickweed, jagged
Holosteum umbellatum

Chickweed, mouseear
Cerastium vulgatum

Clover, red
Trifolium pratense

Clover, white
Trifolium repens

Cocklebur
Xanthium strumarium

Crabgrass
Digitaria spp.

Dallisgrass
Paspalum dilatatum

Dock, curly
Rumex crispus

Dwarf dandelion
Krigia cespitosa

Falseflax, smallseed
Camelina microcarpa

Fescue
Festuca spp.

Fiddleneck
Amsinckia spp.

Flaxleaf fleabane
Conyza bonariensis

Fleabane
Erigeron spp.

Foxtail
Setaria spp.

Groundsel, common
Senecio vulgaris

Guineagrass
Panicum maximum

Horsenettle
Solanum carolinense

Horseweed/Marestail

Conyza canadensis

Johnsongrass

Sorghum halepense

Kikuyugrass

Pennisetum clandestinum

Knapweed

Centaurea repens

Kochia

Kochia scoparia

Lambsquarters, common

Chenopodium album

Lettuce, prickly

Lactuca serriola

Morningglory

Ipomoea spp.

Muhly, wirestem

Muhlenbergia frondosa

Mullein, common

Verbascum thapsus

Mustard, blue

Chorispora tenella

Mustard, tansy

Descurainia pinnata

Mustard, tumble

Sisymbrium altissimum

Mustard, wild

Brassica kaber

Napiergrass

Pennisetum purpureum

Nightshade, silverleaf

Solanum elaeagnifolium

Nutsedge, purple, yellow

Cyperus rotundus

Cyperus esculentus

Oats, wild

Avena fatua

Orchardgrass
Dactylis glomerata

Panicum
Panicum spp.

Pampasgrass
Cortaderia jubata

Pennycress, field
Thlaspi arvense

Pigweed, redroot
Amaranthus retroflexus

Pigweed, smooth
Amaranthus hybridus

Quackgrass
Agropyron repens

Ragweed, common
Ambrosia artemisiifolia

Ragweed, giant
Ambrosia trifida

Ryegrass, perennial
Lolium perenne

Sandbur, field
Cenchrus spp.

Shepherdspurse
Capsella bursa-pastoris

Signalgrass, broadleaf
Brachiaria platyphylla

Smartweed, Pennsylvania
Polygonum pennsylvanicum

Sowthistle, annual
Sonchus oleraceus

Spanishneedles
Bidens bipinnata

Stinkgrass
Eragrostis cilianensis

Thistle, Canada
Cirsium arvense

Thistle, Russian
Salsola kali

Vaseygrass
Paspalum urvillei

Witchgrass
Panicum capillare

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FORESTRY AND UTILITY RIGHTS-OF-WAY

INJECTION AND CUT STUMP APPLICATIONS

Woody brush and trees may be controlled using injection or cut stump applications of this product.

INJECTION APPLICATION

Apply the equivalent of 1 ml of this product for each 2 inches of trunk diameter. This is best achieved by applying 25 to 100 percent concentration of this material either to a continuous frill around the tree or as cuts evenly spaced around the tree below all branches. As tree diameter increases in size, better results are achieved by applying dilute material to a continuous frill or more closely spaced cuttings. Avoid application techniques that allow runoff to occur from frill or cut areas in species that exude sap freely after frills or cutting. In species such as this, make frill or cut at an oblique angle so as to produce a cupping effect and use undiluted material. For best results, applications should be made during periods of active growth and after full leaf expansion.

CUT STUMP APPLICATION

Woody vegetation may be controlled by treating freshly cut stumps of trees and resprouts with this product. Apply this product using suitable equipment to ensure coverage of the entire cambium. Cut vegetation close to the soil surface. Apply a 50 to 100 percent solution of this product to the freshly cut surface immediately after cutting. Delay in applying this product may result in reduced performance. For best results, application should be made during periods of active growth and full leaf expansion.

When used according to directions for injection or cut stump application, this product will CONTROL, PARTIALLY CONTROL or SUPPRESS most woody brush and tree species, some of which are listed below:

Alder
Anus spp.

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Coyotebrush
Baccharis consanguinea

Dogwood
Cornus spp.

Eucalyptus, bluegum
Eucalyptus glotulus

Hickory
Carya spp.

Madrone
Arbutus menziesii

Maple
Acer spp.

Oak
Quercus spp.

Popular
Populus spp.

Salt cedar
Taxarisk spp.

Sweetgum
Liquidambar styraciflua

Sycamore
Platanus occidentalis

Tan oak
Lithocarpus densiflorus

Willow
Salix spp.

205120

EPA Reg. No. 524-326

In case of an emergency involving this product,
Call Collect, day or night (314)694-4000.

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MONSANTO COMPANY
AGRICULTURAL PRODUCTS
ST. LOUIS, MISSOURI, 63167 U.S.A.

TANK MIXTURES

When applied as directed, under the conditions described, Honcho plus Banvel or 2,4-D amine will suppress or control the following perennial broadleaf weeds:

Bindweed, field *Convolvulus arvensis*

For suppression, apply 16 ounces of this product plus 0.5 lb a.e. of 2,4-D amine or 0.25 lb a.i. of Banvel in 5 to 10 gallons of water ← per acre for ground applications and 3 to 5 gallons of water per acre for aerial applications. Applications should be delayed until maximum emergence has occurred and when vines are between 6 to 18 inches in length. These tank mixtures may be applied using aerial application equipment (except in California) in fallow and reduced tillage systems only.

For control, apply 2 quarts of this product plus 0.5 pound a.i. of Banvel in 10 to 20 gallons of water per acre. At these rates, apply using ground application equipment only.

Refer to the specific product labels for crop rotation restrictions and cautionary statements of all products in tank mixture. ←

WOODY BRUSH AND TREES

When applied as recommended under the conditions described, this product CONTROLS or PARTIALLY CONTROLS the following woody brush, plants and trees:

Alder
Alnus spp.

Fraxinus spp.

Aspen, quaking
Populus tremuloides

Add:

(Do not apply tank mixtures of this Banvel by air in California.)

Change water volumes to: 3 to 10 ga

Add new paragraphs:

Irrigated agricultural lands:

Apply 1 to 2 quarts of this product amine in 10 to 20 gallons of water equipment only for partial control bindweed. Applications should be made in fall fallow ground when bindweed the majority of runners are 12 inch Use at least one irrigation to promote growth.

Dogbane, Hemp
Apocynum cannabinum

For suppression, apply 16 ounces of ounces of 2,4-D amine in 3 to 10 gallons for ground applications and 3 to 5 for aerial applications(except in California) application until maximum emergence For Control, apply 4 quarts of this gallons of water per acre using ground

Birch
Betula spp.

Blackberry
Rubus spp.

Broom:

French
Cytisus monspessulanus

Scotch
Cytisus scoparius

Buckwheat (California)*
Eriogonum fasciculatum

Cascara*
Rhamnus purshiana

Catsclaw*
Acacia greggii

Ceanothus: ←

Deerbrush*
Ceanothus integerrimus

Redstem*
Ceanothus sanguineus

Chamise
Adenostoma fasciculatum

Cherry:

Bitter
Prunus emarginata

Black
Prunus serotina

Pin
Prunus pensylvanica

Coyote brush
Baccharis consanguinea

Dewberry
Rubus trivialis

Elderberry
Sambucus spp.

Smartweed, Swamp
Polygonum coccienum

For control, apply 16 ounces of this product plus 0.5 pounds active ingredient of 2,4-D amine in 3 to 10 gallons of water per acre in the late summer or fall. Apply when plants are actively growing and most have reached the early bud stage of growth. Allow 7 or more days after application before tillage.

Add, before Birch:

Bearmat, Bear clover
Chamaebatia foliolosa

Change Ceanothus to Ceanothus spp:

Delete Deerbrush and Redstem

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Elm*

Ulmus spp.

Eucalyptus, bluegum

Eucalyptus glotulus

Hasardia*

Haplopappus squamosus

Hawthorn

Crataegus spp.

Hazel

Corylus spp.

Honeysuckle

Lonicera spp.

Kudzu

Pueraria lobata

Locust, black*

Robinia pseudoacacia

Maple*

Red**

Acer rubrum

Sugar

Acer saccharum

Vine*

Acer circinatum

Monkey Flower*

Mimulus guttatus

Oak:

Black*

Quercus velutina

Northern Pin

Quercus palustris

Post

Quercus stellata

Red

Quercus rubra

Southern Red

Quercus falcata

Add the species:

Madrone

Arbutus menziesii

Manzanita

Arctostaphylos spp.

White*

Quercus alba

Persimmon*

Diospyros spp.

Poison Ivy

Rhus radicans

Poison Oak

Rhus toxicodendron

Poplar*, yellow

Liriodendron tulipifera

Raspberry

Rubus spp.

Rose, multiflora

Rosa multiflora

Sage, black

Salvia mellifera

Sagebrush, California

Artemisia californica

Salmonberry

Rubus spectabilis

Sassafras

Sassafras albidum

Sourwood

Oxydendrum arboreum

Sumac:

Poison*

Rhus vernix

Smooth*

Rhus glabra

Winged*

Rhus copallina

Sweetgum

Liquidambar styraciflua

Swordfern*

Polystichum munitum

39762

Tallowtree, Chinese
Sapium sebiferum

←
Thimbleberry
Rubus parviflorus

Tobacco, tree*
Nicotiana glauca

Trumpet creeper
Campsis radicans

Virginia Creeper*
parthenocissus quinquefolia

Willow
Salix spp.

*Partial control

**See below for control or partial control instructions.

NOTE: If brush has been mowed or tilled or trees have been cut, do not treat until regrowth has reached the recommended stages of growth.

Apply this product when plants are actively growing, and unless otherwise directed, after full leaf expansion. Use the higher rate for larger plants and/or dense areas of growth. On vines, use the higher rate for plants that have reached the woody stage of growth. Best results are obtained when application is made in late summer or fall after fruit formation.

In arid areas, best results are obtained when application is made in the spring to early summer when brush species are at high moisture content and are flowering.

Ensure thorough coverage when using hand-held equipment. Symptoms may not appear prior to frost or senescence with fall treatments.

Allow 7 or more days after application before tillage, mowing or

Add the species:

Tan oak
Lithocarpus densiflorus

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removal. Repeat treatments may be necessary to control plants regenerating from underground parts or seed. Some autumn colors on undesirable deciduous species are acceptable provided no major leaf drop has occurred. Reduced performance may result if fall treatments are made following a frost.

See "Directions for Use", and "Mixing, Additives and Application Instructions" sections of this label for labeled uses and specific application instructions.

Apply this product as follows to control or partially control the following woody brush and trees.

Alder/Dewberry/Honeysuckle/Post Oak/Raspberry--For control, apply 3 to 4 quarts per acre of this product as a broadcast spray or as a 1 to 1 1/2 percent solution with hand-held equipment.

Aspen, quaking/Cherry, (bitter, black, pin)/Hawthorn/Oak, southern red/Sweetgum/Trumpet creeper--For control, apply 2 to 3 quarts of this product per acre as a broadcast spray or as a 1 to 1 1/2 percent solution with hand-held equipment.

Birch/Elderberry/Hazel/Salmonberry/Thimbleberry--For control, apply 2 quarts per acre of this product as a broadcast spray or as a 1 percent solution with hand-held equipment.

Blackberry--For control, apply 3 to 4 quarts per acre of this product as a broadcast spray, or 1 to 1 1/2 percent solution with hand-held equipment. Make application after plants have reached full leaf maturity. Best results are obtained when applications are made in late summer or fall. After berries have set or dropped in late fall, blackberry can be controlled by applying a 3/4 percent solution of

Add to end of Blackberry paragraph:

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this product with hand held equipment.

Broom, French or Scotch--For control, apply a 1-1/2 to 2 percent solution with hand held equipment.

Buckwheat, California)/Hasardia/Monkey Flower/Tobacco, tree)--For partial control of these species, apply a 1 to 2 percent solution of this product as a foliar spray with hand held equipment. Thorough coverage of foliage is necessary for best results.

Catsclaw--For partial control, apply as a 1 to 1-1/2 percent solution with hand held equipment.

Coyote Brush--For control, apply a 1 1/2 to 2 percent solution with hand held equipment when at least 50 percent of the new leaves are fully developed.

Eucalyptus, bluegum --For control of eucalyptus resprouts, apply a 2 percent solution of this product with hand held equipment when resprouts are 6 to 12 feet tall. Ensure complete coverage. Apply when plants are growing actively. Avoid application to drought-stressed plants. For control of eucalyptus trees 2 inches or more in diameter, cut trees as close to the soil surface as desired. Apply a 50 to 100 percent solution of this product to the freshly cut surface immediately after cutting. Delay in applying this product may result in reduced performance.

Kudzu For control, apply 4 quarts of this product per acre as a broadcast spray or as a 2 percent solution with hand held equipment. Repeat applications will be required to maintain control.

Maple, red"--For control, apply as a 1 to 1-1/2 percent solution with hand held equipment when at least 50 percent of the new leaves are fully

For control of blackberries after leaf drop and until killing frost or as long as stems are green, apply 3 to 4 quarts of this product in 10 to 40 gallons of water per acre.

developed. For partial control, apply 2 to 4 quarts of this product per acre as a broadcast spray.

Maple, sugar/Oak, northern pin/Oak, red--For control, apply as a 1 to 1-1/2 percent solution with hand-held equipment when at least 50 percent of the new leaves are fully developed.

Poison Ivy/Poison Oak--For control, apply 4 to 5 quarts of this product per acre as a broadcast spray or as a 2 percent solution with hand-held equipment. Repeat applications may be required to maintain control. Fall treatments must be applied before leaves lose green color.

Rose, multiflora--For control, apply 2 quarts of this product per acre as a broadcast spray or as a 1 percent solution with hand-held equipment. Treatments should be made prior to leaf deterioration by leaf-feeding insects.

Sage, black/Sagebrush, California/Chamise/Tallowtree, Chinese--For control of these species, apply a 1 percent solution of this product as a foliar spray with hand-held equipment. Thorough coverage of foliage is necessary for best results.

Willow--For control, apply 3 quarts of this product per acre as a broadcast spray or as a 1 percent solution with hand-held equipment.

Other Woody Brush and Trees listed on this label--For partial control, apply 2 to 4 quarts of this product per acre as a broadcast spray or as a 1 to 1-1/2 percent solution with hand-held equipment.

DIRECTIONS FOR USE

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

Storage and Disposal

Do not contaminate water, foodstuffs, seed or feed by storage or disposal.

STORAGE:

STORE ABOVE 10°F. (-12°C) TO KEEP PRODUCT FROM CRYSTALIZING.

Crystals will settle to the bottom. If allowed to crystalize, place in a warm room 68°F. (20°C). for several days to redissolve and roll to mix well before using.

DISPOSAL:

Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal/or buried on site in a safe place away from water supplies. All disposal should be in accordance with applicable Federal, state or local procedures.

--- Delete: ...or buried on site in a safe place away from water supplies. All disposal should be...

Emptied container retains vapor and product residue. Observe all label safeguards until container is destroyed.

Do not reuse container. Triple rinse container. Then 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.

See "General Information" and "Mixing, Additives and Application Instructions" sections of this label for essential product performance information and the following sections for specific recommended uses.

EXTREME CARE MUST BE EXERCISED TO AVOID CONTACT OF SPRAY WITH FOLIAGE

4/11/62

OF DESIRABLE TURFGRASSES, TREES, SHRUBS, OR OTHER DESIRABLE VEGETATION SINCE SEVERE DAMAGE OR DESTRUCTION MAY RESULT.

NOTE: If spraying areas adjacent to desirable plants, use a shield made of cardboard, sheet metal or plyboard while spraying to help prevent spray from contacting foliage of desirable plants.

Repeat treatments may be necessary to control weeds regenerating from underground parts or seeds.

This product does not provide residual weed control. For subsequent weed control, follow a label-approved herbicide program.

Read and carefully observe the cautionary statements and all other information appearing on the labels of all herbicides used.

FARMSTEAD WEED CONTROL

When applied as directed, under the conditions described, this product controls undesirable vegetation listed on this label around farmstead building foundations, along and in fences, shelterbelts, and for general nonselective farmstead weed control.

For specific rates of application and instructions for control of various annual and perennial weeds, see the "Weeds Controlled" section of this label.

GRASSES FOR SEED PRODUCTION

[] PREPLANT AND RENOVATION []

When applied as directed, under conditions described, this product controls most existing vegetation

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prior to the planting or renovation of grass seed production areas.

For specific rates of application and instructions for control of various annual and perennial weeds, and woody brush and trees, see the "Weeds Controlled" section of this label.

For maximum control of existing vegetation, delay planting to determine if any regrowth from escaped underground plant parts occurs. Where repeat treatments are necessary, sufficient regrowth must be attained prior to application. For warm-season grasses, such as bermudagrass, summer or fall application provide best control.

DO NOT DISTURB SOIL OR UNDERGROUND PLANT PARTS BEFORE TREATMENT. Tillage or renovation techniques such as vertical mowing, coring or slicing should be delayed for 7 days after application to allow proper translocation into underground plant parts.

GRASSES FOR SEED PRODUCTION

Apply this product to actively growing weeds at the stages of growth given in the "Weeds Controlled" section of this label prior to planting or renovation of turf or forage grass areas grown for seed production.

DO NOT feed or graze treated areas within 8 weeks after application.

BAHIAGRASS SEEDHEAD AND VEGETATIVE SUPPRESSION

When applied as directed in tree and vine crops, this product will provide significant inhibition of seedhead emergence and will suppress vegetative growth for a

045 0063

period of approximately 45 days with single applications and approximately 120 days with sequential applications.

Apply this product 1 to 2 weeks after full greenup of bahiagrass or after the bahiagrass has been mowed to a uniform height of 3 to 4 inches. Applications must be made prior to seedhead emergence. Apply 6 fluid ounces per acre of this product in 10 to 25 gallons of water per acre.

Sequential applications of this product may be made at approximately 45 day intervals to extend the period of seedhead and vegetative growth suppression. For continued seedhead suppression, sequential applications must be made prior to seedhead emergence. Apply no more than 2 sequential applications per year. As a first sequential application, apply 4 fluid ounces of this product per acre. A second sequential application of 2 to 4 fluid ounces per acre may be made approximately 45 days after the last application.

CROPPING SYSTEMS

See "General Information" and "Mixing and Application Instructions" sections of this label for essential product performance information.

See the following Cropping System sections for specific recommended uses.

EXTREME CARE MUST BE EXERCISED TO AVOID CONTACT OF SPRAY WITH FOLIAGE, GREEN STEMS OR FRUIT OF DESIRABLE CROPS, PLANTS, TREES OR OTHER DESIRABLE VEGETATION SINCE SEVERE DAMAGE OR DESTRUCTION MAY RESULT.

Repeat treatments may be necessary to control weeds regenerating from underground parts or seed. Except as otherwise specified on this label, repeat treatments must be made before

the crop emerges in accordance with the instructions of this label.

Except as otherwise specified in a crop section of this label, the combined total of all treatments must not exceed 8 quarts per acre of this product per year.

Do not plant subsequent crops other than those on the label for one year following application.

For other cropping systems, except following spot treatment in forage grasses and legumes, do not harvest or feed treated crops for 8 weeks after application. Allow 14 days following spot treatment or selective equipment use before grazing domestic livestock or harvesting forage grasses and legumes.

When applied as directed for "Cropping Systems", under the conditions described, this product controls annual and perennial weeds listed on this label, prior to the emergence of these crops.

Change "one year" to "30 days".

Replace paragraph with:

When applied as directed for "Cropping Systems", under the conditions described, this product controls annual and perennial weeds listed on this label prior to the emergence of direct seeded crops or prior to transplanting of crops listed on this label.

- ALFALFA*
- ARTICHOKE
- (JERUSALEM)
- BARLEY*
- BEANS (All)
- BEET GREENS
- BEETS (Red, Sugar)
- BLACKBERRY
- BLUEBERRY
- BOYSENBERRY
- BROCCOLI
- CABBAGE
- CARROT
- CAULIFLOWER
- CELERY
- CHICORY
- CORN (All)*
- COTTON*
- CUCUMBER***
- CURRENT
- DEWBERRY
- LOGANBERRY
- MELONS***
- MUSTARD
- GREENS
- OATS*
- OKRA
- OLALLIEBERRY
- ONION
- PARSNIPS-
- PEANUTS
- PEAS (All)
- PEPPER***
- PINEAPPLE!!
- POTATO
- (Irish, Sweet)
- PUMPKIN***
- RADISH
- RASPBERRY (Black, Red)
- RICE**

Add: Asparagus*

Delete: Parsnips