

Make the following changes to the Accord supplemental label:

A. Change to:

...red pine, jack pine, eastern white pine, loblolly pine, virginia pine, slash pine, fir and spruce.

B. Change to:

...listed conifer species.

C. Change to:

Apply 3 to 10 quarts of this product with 1 fl. oz. to 16 fl. oz.

D.directions....

E. Insert:

Additional precautionary statements are made in these labels.

F. Change to:

MONSANTO COMPANY 1991

MAP-2934.01 2/1/91

PH25 524-326 9704109

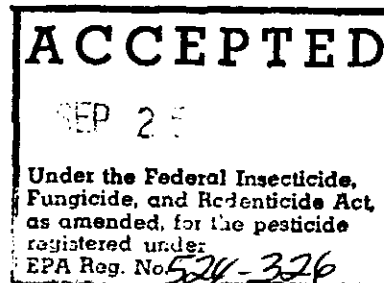
SUPPLEMENTAL LABELING

READ AND FOLLOW THE ENTIRE LABEL FOR ACCORD (R) HERBICIDE BEFORE PROCEEDING WITH THE USE DIRECTIONS CONTAINED IN THIS SUPPLEMENTAL LABELING.

"Label" as used in this supplemental labeling refers to the label booklet for Accord herbicide and this supplement.

ACCORD
HERBICIDE BY MONSANTO

EPA Reg. No. 524-326



TANK MIXTURES OF ACCORD HERBICIDE PLUS ARSENAL APPLICATORS CONCENTRATE FOR FORESTRY SITE PREPARATION PRIOR TO PLANTING DOUGLAS FIR IN WASHINGTON AND OREGON.

Keep out of reach of children.

CAUTION!

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

Accord (R) 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 the labeling.

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

FORESTRY SITE PREPARATION

Use as a site preparation treatment for forestry sites being planted to Douglas fir in Washington and Oregon.

NOTE: This product requires use with a nonionic surfactant. When using this product, mix 2 or more quarts of a nonionic surfactant per 100 gallons of spray solution. Always read and follow the surfactant manufacturer's label recommendations.

Apply 2 to 4 quarts of this product with 4 fl. oz. to 8 fl. oz. of Arsenal Applicators Concentrate in 5 to 15 gallons of spray solution per acre as a broadcast spray to control big leaf maple resprouts. Where big leaf maple resprouts are not a primary concern, addition of 1 fl. oz. to 4 fl. oz. per acre of Arsenal Applicators Concentrate to the recommended rate of this product will improve control of most other woody brush species such as: willow, pin cherry, dogwood, and vine maple.

The tank mixtures may be applied by air (helicopter only).

Application Timing

Big leaf maple resprouts should have vigorous growth prior to the application of these tank mixtures. Fall applications will provide best results.

Read and carefully observe the label directions, cautionary statements and all information on the labels of both products used in this tank mixture. Additional precautionary statements are made in these labels. Use according to the most restrictive label directions for each product in the mixture.

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When used in combination as recommended by Monsanto Company, the liability of Monsanto shall in no manner extend to any damage, loss or injury not directly caused by the inclusion of the Monsanto product in such combination use.

Read "LIMIT OF WARRANTY AND LIABILITY" in the label booklet for Accord before using this product. Those terms apply to this supplemental labeling and, if those terms are not acceptable, return the product unopened at once.

Arsenal (TM) is a trademark of American Cyanamid Company.

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MONSANTO COMPANY
AGRICULTURAL PRODUCTS
ST. LOUIS, MISSOURI 63167

SUPPLEMENTAL LABELING

READ AND FOLLOW THE ENTIRE LABEL FOR **PROTOCOL** HERBICIDE BEFORE PROCEEDING WITH THE USE DIRECTIONS CONTAINED IN THIS SUPPLEMENTAL LABELING.

"Label" as used in this supplemental labeling refers to the label booklet for **Protocol** herbicide and this supplement.

PROTOCOL

★ ★ ★ ★ ★ HERBICIDE

EPA Reg. No. 524-326

FOR NONSELECTIVE WEED CONTROL IN TREE AND VINE CROPS

Keep out of reach of children.

CAUTION!

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

• **Protocol** 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.

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

TREE AND VINE CROPS

This product is recommended for weed control in established groves, vineyards, or orchards, or for site preparation prior to transplanting crops listed in this section. Applications may be made with boom equipment, CDA, shielded sprayers, hand-held and high-volume wands, lances, or orchard guns, or with wiper applicator equipment, except as directed in this supplemental label. See the "Application Equipment and Techniques" section of the **Protocol** label booklet for specific information on use of equipment.

When applying this product, refer to the "Weeds Controlled" section of the **Protocol** label booklet and to specific recommendations in this supplemental label for rates to be used.

NOTE

Repeat treatments may be necessary to control weeds originating from underground parts of untreated weeds or from seeds. This product does not provide residual weed control. For subsequent weed control, use repeated applications of this product. Do not apply more than 10.6 quarts of this product per acre per year.

EXTREME CARE MUST BE EXERCISED TO AVOID CONTACT OF HERBICIDE SOLUTION, SPRAY, DRIFT, OR MIST WITH FOLIAGE OR GREEN BARK OF TRUNK, BRANCHES, SUCKERS, FRUIT, OR OTHER PARTS OF TREES OR VINES. CONTACT OF THIS PRODUCT WITH OTHER THAN MATURED

BROWN BARK CAN RESULT IN SERIOUS CROP DAMAGE. AVOID PAINTING OUT STUMPS WITH THIS PRODUCT AS INJURY RESULTING FROM ROOT GRAFTING MAY OCCUR IN ADJACENT TREES.

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 to the recommended stage for treatment.

For specific rates of applications and instructions, see the "Weeds Controlled" Section of the **Protocol** label booklet, and to specific recommendations which follow.

MIDDLES MANAGEMENT

FOR ANNUAL WEEDS IN MIDDLES BETWEEN ROWS OF TREE AND VINE CROPS

For citrus crops treat uniformly between trees.

■	PROTOCOL	■
■	Protocol plus GOAL	■

This product alone or in mixtures with Goal will control or suppress the annual weeds listed below.

Apply the recommended rates of this product, either alone or in mixtures with Goal, plus 1 to 2 percent nonionic surfactant by spray volume in 3 to 10 gallons of water per acre. Apply when weeds are actively growing and less than 6 inches in height or diameter. If weeds are under drought stress, irrigate prior to application. Reduced control may occur if weeds have been mowed prior to application. Up to 48 ounces per acre of this product may be used to control weeds which have been mowed, are stressed, or are growing in dense populations.

WEED SPECIES	MAXIMUM HEIGHT/DIAMETER (INCHES)	RATE PER ACRE PROTOCOL [•] (OZ)	GOAL ^{••} (OZ)
Barley <i>Hordeum vulgare</i>	6	8	—
Bluegrass, annual <i>Poa annua</i>			
Barnyardgrass <i>Echinochloa crus-galli</i>	6	12	—
Chickweed, common <i>Stellaria media</i>			
Red Maids <i>Calandrinia ciliata</i>			
Crabgrass <i>Digitaria</i> spp.	6	16	—
Flabgrass, flaxleaf <i>Cyniza bonariensis</i>			OR
Goudecel, common <i>Senecio vulgaris</i>			16 to 32 + 4 to 16**
Junglerice <i>Echinochloa colonum</i>			
Lambsquarters, common <i>Chenopodium album</i>			
Pigweed, redroot <i>Amaranthus retroflexus</i>			
Rocket, London <i>Sisymbrium irio</i>			
Ryegrass, common <i>Lolium multiflorum</i>			
Shepherdspurse <i>Capsella bursa-pastoris</i>			
Sowthistle, annual <i>Sonchus oleraceus</i>			
Cheeseweed, common <i>Malva</i> spp.	3	12 to 32 + 4 to 16	
Cheeseweed, common <i>Malva</i> spp.	6	16 to 32 + 4 to 16	
Flaree [•] <i>Erodium</i> spp.			
Horseweed/Marestail <i>Cyniza canadensis</i>			
Nettle, stinging <i>Urtica dioica</i>			
Purslane, common [•] <i>Portulaca oleracea</i>			

ACCEPTED

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

• Suppression only.

•• The mixture of this product plus Goal is recommended when weeds are stressed or growing in dense populations.

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STRIPS

FOR ANNUAL AND PERENNIAL WEEDS IN STRIPS OF TREE
AND VINE CROPS

TANK MIXTURES WITH RESIDUAL HERBICIDES

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

- **PROTOCOL® plus GOAL™ 1.6E** ■
- **PROTOCOL plus KARMEX™ DF** ■
- **PROTOCOL plus KROVAR™ I** ■
- **PROTOCOL plus KROVAR™ II** ■
- **PROTOCOL plus SIMAZINE,** ■
PRINCEP™ CALIBER™ 90
- **PROTOCOL plus SIMAZINE 4L** ■
- **PROTOCOL plus SIMAZINE 80W** ■
- **PROTOCOL plus SOLICAM™ 80DF** ■
- **PROTOCOL plus SURFLAN™ AS** ■
- **PROTOCOL plus SURFLAN™ 75W** ■
- **PROTOCOL plus SIMAZINE** ■
(80W, or 4L, or PRINCEP CALIBER 90)
plus SURFLAN (AS or 75W)
- **PROTOCOL plus GOAL (1.6E)** ■
plus SURFLAN (AS or 75W)
- **PROTOCOL plus GOAL (1.6E)** ■
plus SIMAZINE
(80W, or 4L, or PRINCEP CALIBER 90)
- **PROTOCOL plus GOAL (1.6E)** ■
plus SURFLAN (AS or 75W)
plus SIMAZINE (80W, 4L)
or PRINCEP CALIBER 90)

Do not apply these tank mixtures in Puerto Rico.

When tank-mixing with residual herbicides, add an agriculturally approved nonionic surfactant.

Refer to the individual product labels for specific crops, rates, 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.

RECOMMENDED RATES

Annual Weeds — Apply 1 to 5 quarts per acre of this product in these tank mixtures. Use rates at the higher end of the recommended range when weeds are stressed, growing in dense populations or are greater than 12 inches tall.

Perennial Weeds — Apply 1 pint to 5 quarts per acre of this product in these tank mixtures to control or suppress perennial weeds. Follow the recommendations in the "Weeds Controlled" section of the Protocol label booklet for stage of growth and application rates for specific perennial weeds.

PROTOCOL® plus GOAL plus SIMAZINE/SURFLAN

This product plus low rates of Goal in three-way or four-way mixtures with simazine and/or Surflan will provide postemergence control of the weeds listed below.

Refer to the individual simazine and Surflan labels for preemergence rates, weeds controlled, precautionary statements and other important information.

Apply these tank mixtures in 3 to 40 gallons of water. Add 1 to 2 percent nonionic surfactant by total spray volume to the spray solution.

Apply 1 to 5 quarts per acre of this product plus 4 to 48 ounces per acre of Goal plus labeled rates of simazine and/or Surflan to control the following weeds:

Barley, wild
Hordeum leporinum
Bluegrass, annual
Poa annua
Chenopod, common
Malva spp.
Chickweed, common
Stellaria media
Filaree
Erodium spp.
Flaxweed, flaxleaf
Conyza bonariensis
Groundsel, common
Senecio vulgaris
Horseweed/Marestail
Conyza canadensis
Nettle stinging
Urtica dioica
Pineappleweed
Matricaria matricariodes

Rocket, London
Sisymbrium spp.
Shepherdspurse
Capsella bursa-pastoris
Sowthistle, annual
Sonchus oleraceus

* Use a minimum of 1.5 quarts of this product in these mixtures.

NOTE: This recommendation does not preclude the use of Goal in these mixtures at higher, labeled rates for preemergence weed control.

*Goal is a trademark of Rohm and Haas Company.

*Princep and *Caliber are trademarks of Ciba-Geigy Corporation.

*Karmex and *Krovar are trademarks of E. I. duPont de Nemours and Company.

*Solicam is a trademark of Sandoz, Inc.

*Surflan is a trademark of Elanco Products Company.

Read the "Limit of Warranty and Liability" in the label booklet for Protocol before using. Those terms apply to this supplemental labeling and if those terms are not acceptable, return the product unopened at once.

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SUPPLEMENTAL LABELING

READ THE ENTIRE LABEL BOOKLET FOR PROTOCOL® BEFORE PROCEEDING WITH THE USE DIRECTIONS CONTAINED IN THIS SUPPLEMENTAL LABELING.

"Label" as used in this supplemental labeling refers to the booklet for Protocol herbicide and this supplement.

**PROTOCOL®
Herbicide**

EPA Reg. No. 524-326

FOR DISTRIBUTION AND USE IN CALIFORNIA**FOR POSTEMERGENCE WEED CONTROL PRIOR TO THE
EMERGENCE OF TOMATOES**

Keep out of reach of children.

CAUTION!

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

•Protocol 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.

GENERAL INFORMATION

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

When applied as directed under the conditions described in the label booklet for Protocol, the product controls annual and perennial weeds listed on that label, prior to the emergence of tomatoes.

ACCEPTED

1

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

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

Read the "LIMIT OF WARRANTY AND LIABILITY" in the label for Protocol before using this product. Those terms apply to this supplemental labeling and if those terms are not acceptable, return the product unopened at once.

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MAP-3285

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800 N. LINDBERGH BLVD.
ST. LOUIS, MISSOURI 63167

SUPPLEMENTAL LABELING

READ AND FOLLOW THE ENTIRE LABEL FOR PROTOCOL® HERBICIDE BEFORE PROCEEDING WITH THE USE DIRECTIONS CONTAINED IN THIS SUPPLEMENTAL LABELING.

"Label" as used in this supplemental labeling refers to the label booklet for Protocol and this supplement.

PROTOCOL
★ ★ ★ ★ ★
HERBICIDE

ACCEPTED
SEP 25, 1991
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 524-326

(EPA Reg. No. 524-326)

FOR DISTRIBUTION AND USE ONLY WITHIN HAWAII.

**FOR NONSELECTIVE WEED CONTROL
IN AND AROUND PASSION FRUIT.**

BEST AVAILABLE COPY

Keep out of reach of children.

CAUTION!

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

Protocol® 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 the labeling.

This supplemental labeling and the label booklet for Protocol must be in the possession of the user at the time of the herbicide application.

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

See "GENERAL INFORMATION", "APPLICATION EQUIPMENT AND TECHNIQUES" and "WEEDS CONTROLLED" sections of the label booklet for Roundup for essential product information.

RECOMMENDATIONS

This product is recommended for weed control in and around estab-

lished passion fruit; or for site preparation prior to planting or transplanting. Applications may be made with boom equipment; CDA, shielded sprayers, hand-held and high-volume wands, lances, orchard guns or with wiper applicator equipment.

When applying this product refer to the "Weeds Controlled" section of the label booklet for Protocol for weeds controlled and specific rates to be used.

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

Annual Weed Control

Apply 8 to 48 fluid ounces of this product per acre plus 1 to 2 percent nonionic surfactant in 3 to 10 gallons of water per acre as directed in the "Low Volume Broadcast Application" section of the label booklet for Protocol.

When using water volumes of 10 to 40 gallons per acre, apply 1 quart per

acre if annual weeds are less than 6 inches tall. If weeds are greater than 6 inches tall, use 1.5 quarts of this product per acre.

Perennial Weed Control

Apply 3 to 5 quarts of this product per acre. Apply when weeds are actively growing and most have reached the early head or early bud stage of growth. Allow 7 or more days after application before mowing or tillage operations.

Read the "LIMIT OF WARRANTY AND LIABILITY" in the label booklet for Protocol before using this product. Those terms apply to this supplemental labeling and, if those terms are not acceptable, return the product unopened at once.

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SUPPLEMENTAL LABELING

READ THE ENTIRE LABEL BOOKLET FOR **HONCHO®** BEFORE PROCEEDING WITH THE USE DIRECTIONS CONTAINED IN THIS SUPPLEMENTAL LABELING.

"Label" as used in this supplemental labeling refers to the label booklet for **HONCHO** herbicide and this supplement.

HONCHO
HERBICIDE

ACCEPTED

SEP 25 1991

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

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.

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PM 25 524-326

READ THE ENTIRE LABEL FOR PROTOCOL® BEFORE PROCEEDING WITH THE USE DIRECTIONS CONTAINED IN THIS SUPPLEMENTAL LABELING.

"Label" as used in this supplemental labeling refers to the directions for use Label Booklet for Protocol and this supplement

PROTOCOL

★ ★ ★ ★ ★ HERBICIDE

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(EPA Reg No 524-326)

ACCEPTED

SEP 25 1991

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

FOR DISTRIBUTION AND USE ONLY IN CALIFORNIA.

Harvest aid tank mixture for cotton defoliation and inhibition of regrowth.

Keep out of reach of children.

CAUTION!

In case of an emergency involving this product, Call Collect, day or night, (314) 634-4000.



* Protocol is a registered trademark of Monsanto Company

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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.

GENERAL INFORMATION

Protocol herbicide when tank mixed with DEFTM 6 or FolexTM defoliant will provide significant enhancement of cotton leaf drop and will inhibit regrowth.

APPLICATION RECOMMENDATIONS

Apply 1 to 2 pints per acre of this herbicide plus 1 to 2 percent nonionic surfactant in tank mixture with DEF 6 or Folex. For best results in situations where extensive regrowth is expected, use the 2 pint per acre Roundup herbicide rate. Use 1 percent surfactant concentration when using surfactants which contain at least 50 percent active ingredient or a 2 percent surfactant concentration for those surfactants containing less than 50 percent active ingredient. Refer to the following table for rate of each defoliant product used in this tank mixture.

Product	Rate / Acre
DEF 6	2 pints
Folex	2 pints

Refer to the individual product label for geographic restrictions, precautionary statements and other information.

These tank mixtures may be applied using ground or aerial spray equipment.

For Ground Applications: Apply in 15 to 25 gallons of water per acre, using high clearance equipment with drop nozzles. Ensure thorough coverage of all foliage.

For Aerial Applications: Apply in 5 to 10 gallons of water per acre.

TIMING OF

Apply these tank mixtures when the bolls are open and suitably mature. Apply when immature bolls cannot easily cut through with a minimum of 7 days before harvest. Under adverse defoliant temperatures or extreme defoliant or desiccant conditions.

MIXING IN

Fill the spray tank to 3/4 with water. Add the recommended amount of Protocol herbicide, and with water to the required volume. Use 4 quarts of spray solution per acre. Use a concentration of 6 quarts per acre of surfactant concentrate.

AERIAL AP

Avoid direct application. AVOID DRIFT - DO NOT APPLY UNDER ANY WINDY CONDITIONS. DRIFT ON ANY VEGETATION CONTACT IS NOT INTENDED. TO PROTECT DESIRABLE VEGETATION, BUFFER ZONES MUST BE MAINTAINED. Use the following guidelines for application: 1. Do not apply within 500 feet of crops except cotton. 2. If wind up to 5 miles per hour, do not apply within 500 feet of the crops. 3. Winds blowing from 500 feet may require 500-foot minimum. 4. Do not apply when wind is greater than 10 miles per hour or when there is a rain forecast.

application rates.) FOR AERIAL APPLICATION IN CALIFORNIA, REFER TO THE FEDERAL SUPPLEMENTAL LABEL FOR AERIAL APPLICATIONS IN THAT STATE FOR SPECIFIC INSTRUCTIONS, RESTRICTIONS AND REQUIREMENTS.

This product plus dust tank mixtures may not be applied by air in California.

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 FAVORS 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.

Ensure uniform application. - To avoid streaked, uneven or overlapped application, use appropriate marking devices.

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.

■ BROADCAST EQUIPMENT ■

For control of annual or perennial weeds listed on this label using broadcast equipment - Use the recommended rates of this product in 3 to 40 gallons of water per acre as a broadcast spray unless otherwise specified on this label. See the "Weeds Controlled" section of this label for specific rates. As density of weeds

(Honcho)

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.

Ensure uniform application - To avoid streaked, uneven or overlapped application, use appropriate mixing devices.

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 MUST SUSCEPTIBLE. The maintenance of an organic coating (paint) which meets aerospace specification MIL-C-38413 may prevent corrosion.

NOTE: DO NOT APPLY TO CROPS GROWN FOR SEED.

Do not graze treated cotton fields or feed treated cotton forage to livestock.

Read the "LIMIT OF WARRANTY AND LIABILITY" in the label booklet for Protocol before using Protocol. Those terms apply to this supplemental labeling and if those terms are not acceptable, return this product unopened at once.

¹"DEF 6 is a trademark of Mobay Chemical Corporation.

²"Tolox is a trademark of Rhone-Poulenc, Inc.

MAP 3288

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AGRICULTURAL PRODUCTS
ST. LOUIS, MISSOURI 63167



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1 gallon	2/3 oz	1-1/3 oz	2 oz	2-2/3 oz	6-1/2 oz
25 gallons	1 pt	1 qt	1-1/2 qt	2 qt	5 qt
100 gallons	2 qt	1 gal	1-1/2 gal	2 gal	5 gal

2 tablespoons = 1 ~~ounce~~ ounce

Add surfactant at a rate of 1 to 2 oz. per gallon of spray mix.

For use in knapsack sprayers, it is suggested that the proper ~~recommended~~ amount of this product be mixed with water in a larger container. Fill sprayer with the mixed solution and add the correct amount of surfactant.

~~For hand-held CONTROLLED DROPLET APPLICATORS, see the "Controlled Droplet Application (CDA)" section of this label.~~

■ SELECTIVE EQUIPMENT ■

This product may be applied through a recirculating spray system, a shielded applicator, or a wiper 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 recirculating spray system directs the spray solution onto weeds growing above desirable vegetation, while spray solution not intercepted by weeds is collected and returned to the spray tank for reuse.

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

A wiper applicator applies the herbicide solution onto weeds by rubbing the weed with an absorbent material containing the herbicide solution.

~~This product may be applied through a shielded 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.

(Honcho)

PM 25 524-326

READ THE ENTIRE LABEL FOR PROTOCOL® BEFORE PROCEEDING WITH THE USE DIRECTIONS CONTAINED IN THIS SUPPLEMENTAL LABELING.

Label as used in this supplemental labeling refers to the Label Booklet for Protocol and this supplement.

PROTOCOL

★ ★ ★ ★ ★ HERBICIDE

(EPA Reg. No. 524-326)

ACCEPTED

SEP 20 1971

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

FOR DISTRIBUTION AND USE ONLY IN CALIFORNIA.

Protocol herbicide for control of field bindweed under irrigated situations where tillage is performed.

Keep out of reach of children.

CAUTION!



In case of an emergency involving this product:
Call Collect: day-at-night (314) 694-4066

* Protocol is a registered trademark of Monsanto Company

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

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.

GENERAL INFORMATION

Protocol herbicide, when applied as directed, will provide control of field bindweed.

TIMING OF APPLICATION

Apply to foliage of actively growing field bindweed when the vines have reached a length of 12 inches or greater. Good soil moisture is essential for active growth. If adequate soil moisture is not present, an irrigation 1 to 3 weeks prior to application may be necessary.

Application to plants under moisture and temperature stress will result in reduced control.

Fall applications should be made before frosts occur. Allow 7 days or more after application before tillage.

APPLICATION RECOMMENDATION

Apply 2 quarts of this product per acre, plus 1 to 2 percent nonionic surfactant by total spray volume in 3 to 10 gallons of water per acre. Use 1 percent surfactant concentration when using surfactants which contain at least 50 percent active ingredient or a 2 percent surfactant concentration for those surfactants containing less than 50 percent active ingredient.

MIXING INSTRUCTIONS

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 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.

NOTE: ALWAYS READ THE LABEL BOOKLET FOR TERMS AND CONDITIONS OF SALE.

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BEST

- Care must be taken with all types of wipers to ensure that the absorbent material does not become oversaturated, causing the herbicide to drip on desirable vegetation.
- Mix only the amount of solution to be used during a one-day period, as reduced activity may result from use of leftover solutions. With all equipment, drain and clean sprayer and wiper parts immediately after using this product by thoroughly flushing with water.

RECIRCULATING SPRAYERS

Recirculating sprayer calibration is made on the basis of ground speed and delivery volume. Two procedures can be used to calibrate: (1) determining the discharge being delivered per minute, then operate at the designated ground speed, or (2) select the desired ground speed and then adjust the sprayer to deliver the recommended volume per minute (this may require nozzle changes). Use the appropriate time table below.

Do not operate at nozzle pressure above 20 PSI.

Table 1. Use this table when calibrating box or row-type recirculating sprayers. Box or row-type sprayer calibration is based on the total discharge collected per row.

Use only straight stream or 15° fan-type nozzles.

*VOLUME PER MINUTE PER ROW

MPH	Fluid Ounces
2	26 to 35
3	38 to 51
4	51 to 68
5	65 to 86

* NOTE: Be certain the amount collected is for all spray streams treating one row.

Table 2. Use this table when calibrating broadcast type recirculating sprayers. Broadcast recirculating sprayer calibration

is based on the discharge collected per minute from one nozzle on a 20-inch spacing.

VOLUME PER MINUTE PER NOZZLE

MPH	Fluid Ounces
2	7 to 9
3	10 to 13
4	13 to 18
5	16 to 22

When applied as recommended under the conditions described for recirculating sprayers, this product will control the following weeds growing a minimum of 6 inches above desirable vegetation.

Perennial Broadleaf Weeds - To SUPPRESS the following weeds, mix in a ratio of 4 quarts of this product in 20 gallons of water and apply as directed.

Dogbane, hemp	Milkweed
<i>Apocynum cannabinum</i>	<i>Asclepias syriaca</i>

Perennial Grasses and Annual Broadleaf Weeds - To control the following weeds, mix in a ratio of 3 quarts of this product in 20 gallons of water and apply as directed:

Cocklebur	Pigweed, redroot
<i>Xanthium</i>	<i>Amaranthus</i>
<i>strumarium</i>	<i>retroflexus</i>
Johnsongrass	Sunflower
<i>Sorghum halepense</i>	<i>Helianthus annuus</i>

Annual Grasses - To control the following weeds, mix in a ratio of 2 quarts of this product in 20 gallons of water and apply as directed:

Corn	Shattercane
<i>Zea mays</i>	<i>Sorghum bicolor</i>

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		Herbicide		
<u>in inches</u>	X	broadcast	=	Herbicide
Row width		RATE		band RATE
in inches		per acre		per acre

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.

WIPER APPLICATORS

Wiper applicators include either roller or wick devices which physically wipe appropriate concentrations or amounts of this product directly onto the weed. Equipment must be designed, maintained, and operated to prevent the herbicide solution from contacting desirable vegetation. Operate this equipment at ground speeds no greater than 5 mph. Performance may be improved by reducing speed in areas of heavy weed infestations to ensure adequate wiper saturation. Better results may be obtained if two applications are made in opposite directions.

For Roller Applicators - Mix 1 gallon of this product in enough water to prepare 10 gallons of herbicide solution (10 percent solution). Apply this solution to perennial weeds or annual broadleaf weeds listed in this 'Wiper Applicators' section.

Mix 1 gallon of this product in enough water to provide 20 gallons of herbicide solution (5 percent solution). Apply this solution to annual grasses listed in this 'Wiper Applicators' section.

Roller speed should be maintained at 40 to 60 RPM.

For Wick or Wiper Applicators - Mix 1 gallon of this product in 2 gallons of water to prepare a 33 percent solution. Apply this solution to weeds listed in this 'Wiper Applicators' section.

In severe infestations, reduce equipment ground speed to ensure that adequate amounts of this product are wiped on the weeds. A second treatment in the opposite direction may be beneficial.

Do not permit herbicide solution to contact desirable vegetation.

When applied as recommended under the conditions described for 'Wiper Applicators', this product CONTROLS the following weeds:

ANNUAL GRASSES

Corn
Zea mays

Rye, common
Secale cereale

Panicum, Texas
Panicum texanum

Shattercane
Sorghum bicolor

ANNUAL BROADLEAVES

Sicklepod
Cassia obtusifolia

Spanishneedles
Bidens bipinnata

Starbur, bristly
Acanthospermum
hispidum

When applied as recommended under the conditions described for
 "Wiper Applicators", this product SUPPRESSES the following weeds:

ANNUAL BROADLEAVES

Beggarweed, Florida
Desmodium
tortuosum

Dogfennel
Eupatorium
capilliflorum

Pigweed, redroot
Amaranthus
retroflexus

Ragweed, common
Ambrosia artemisiifolia

Ragweed, giant
Ambrosia trifida

Sunflower
Helianthus annuus

Thistle, musk
Carduus nutans

Velvetleaf
Abutilon theophrasti

PERENNIAL GRASSES

Bermudagrass
Cynodon dactylon

Guineagrass
Panicum maximum

Johnsongrass
Sorghum halepense

(Honcho)

Smutgrass
Sporobolus poiretii

Vaseygrass
Paspalum urvillei

PERENNIAL BROADLEAVES

Dogbane, hemp
Apocynum cannabinum

Milkweed
Asclepias syriaca

Nightshade, silverleaf
Solanum elaeagnifolium

Thistle, Canada
Cirsium arvense

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 water carrier volumes are 3 to 10 gallons per acre for ground applications and 3 to 5 gallons per acre for aerial applications. ~~See recommended.~~ (See the 'Aerial Equipment' section of this label for approved sites.)

NOTE

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- The addition of 2 percent dry ammonium sulfate by weight or 17 pounds per 100 gallons of water may increase the performance of this product on annual weeds. The 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.
- For weeds that have been mowed, grazed or cut, allow regrowth to occur prior to treatment.
- Refer to the "Tank Mixtures" portion of this section for control of additional broadleaf weeds.

WEED SPECIES	MAXIMUM HEIGHT/LENGTH	RATE PER ACRE** (FLUID OUNCES)
Foxtail <i>Setaria spp.</i>	12"	8 oz.
Barnyardgrass	6"	12 oz.
<i>Echinochloa</i>	(0 to 4"	16 oz. ¹⁾
<i>crus-galli</i>	(4 to 6"	24 oz. ¹⁾
Bluegrass, annual <i>Poa annua</i>		
Brome, downy* <i>Bromus tectorum</i>		
Mustard, blue <i>Chorispora tenella</i>		
Mustard, tansy <i>Descurainia pinnata</i>		
Mustard, tumble <i>Sisymbrium altissimum</i>		
Mustard, wild <i>Sinapis arvensis</i>		
Spurry, umbrella <i>Holosteum</i> <i>umbellatum</i>		
Barley <i>Hordeum vulgare</i>	12"	
Rye <i>Secale cereale</i>		

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Sandbur, field
Cenchrus spp.

Shattercane
Sorghum bicolor

Stinkgrass
Eragrostis
cilianensis

Wheat
Triticum aestivum 18"

Morningglory
Ipomea spp. 2" 16 oz.

Sicklepod
Cassia obtusifolia

Bluegrass, bulbous 6"
Poa bulbosa

Cheat
Bromus secalinus

Chickweed, common
Stellaria media

Chickweed, mouseear
Cerastium vulgatum

Corn
Zea mays

Goatgrass, jointed
Aegilops cylindrica

Groundsel, common
Senecio vulgaris

Horseweed/Marestail
Conyza canadensis

Lambsquarter, common
Chenopodium album

Pennycress, field
Fanweed
Thlaspi arvense

Rocket, London
Sisymbrium irio

Ryegrass, Italian
Lolium multiflorum

(Honcho)

Shepherdspurse
Capsella bursa-pastoris

~~Spurge, annual~~
~~Euphorbia spp.~~

Buttercup
Ranunculus spp. 12"

Cocklebur
Xanthium
strumarium

Crabgrass
Digitaria spp.

Dwarf dandelion
Krigia cespitosa

False flax, small seed
Camelina microcarpa

Foxtail, Carolina
Alopecurus
carolinianus

Johnsongrass, seedling
Sorghum halepense

Oats, wild
Avena fatua

Panicum, fall
Panicum
dichotomiflorum

Panicum, Texas
Panicum texanum

Pigweed, redroot
Amaranthus
retroflexus

Pigweed, smooth
Amaranthus hybridus

Witchgrass
Panicum capillare

Sicklepod	3 to 4"	24 oz
<i>Cassia obtusifolia</i>		

Signalgrass, broadleaf	
<i>Brachiaria</i>	
<i>platyphylla</i>	4"

(Honcho)

Horseweed/Marestail 7 to 12"
Conyza canadensis

Lambsquarters, common
Chenopodium album

Spurge, annual
Rumex crispus

Rice, red	6 ^u	
<i>Oryza sativa</i>	4 ⁿ	32 oz.

Teaweed
Sida spinosa

SPECIAL AGENT

Geranium, Carolina 12"
Geranium
carolinianum

Goosegrass
Eleusine indica

Primrose, cutleaf
evening
Oenothera laciniata

Pusley, Florida
Richardia scabra

Sicklepod 5 to 12"
Cassia obtusifolia

Spanishneedles
Bidens bipinnata

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Filaree		
<i>Erodium spp.</i>	12"	48 oz.

Sprangleton
Leptochloa spp.

¹Use these rates for control of barnyardgrass in Alabama, Arkansas, Mississippi, Louisiana, Missouri and Texas for preplant treatments.

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

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

TANK MIXTURES

**HONCHO® 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 this "Low-Volume Broadcast Application" section.

Honcho—herbicide ~~this product~~ plus Banvel or 2,4-D amine will control the annual grasses and broadleaf weeds previously listed for this product alone at the indicated heights (except 8 fluid ounces per acre applications), plus the following broadleaf weeds. For those weeds previously listed at 8 fluid ounces of this product alone per acre, use the 12- fluid ounces 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 fluid ounces of this product plus 0.25 lb. a.i. of Banvel or 0.5 pound a.e.i. of 2,4-D amine per acre to control dense populations of the following annual broadleaf weeds when less than the 6 inches in height+ indicated:

~~Cocklebur (12")~~
~~Xanthium strumarium~~

~~Kochia* (6")~~
~~Kochia scoparia~~

~~Lambsquarters (12")~~
~~Chenopodium album~~

~~Lettuce, prickly (6")~~
~~Lactuca serriola~~

~~Haretail/Horseweed (6")~~
~~Conyza canadensis~~

~~Morningglory (6")~~
~~Ipomea spp.~~

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(Honcho)

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Pigweed, redroot (12")
Amaranthus retroflexus

Pigweed, smooth (12")
Amaranthus hybridus

Thistle, Russian (12")
Salsola kali

*Controlled with Banvel tank mixture only.

Apply 16 fluid ounces of this product plus 0.5 pound a.i. of 2,4-D per acre to control the following annual broadleaf weeds when less than 6 inches in height.

Ragweed, common
Ambrosia artemisiifolia

Ragweed, giant
Ambrosia trifida

Smartweed, Pennsylvania
Polygonum pennsylvanicum

Velvetleaf
Abutilon theophrasti

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

Bassia, fivehook
Bassia hyssopifolia

Brome
Bromus spp.

Fiddleneck
Amsinckia spp.

Flaxleaf, hairy
Conyza bonariensis

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Fleabane
Erigeron spp.

Kochia
Kochia scoparia

Lettuce, prickly
Lactuca serriola

Panicum
Panicum spp.

Ragweed, common
Ambrosia artemisiifolia

Ragweed, giant
Ambrosia trifida

Smartweed, Pennsylvania
Polygonum
pennsylvanicum

Sowthistle, annual
Sonchus oleraceus

Sunflower
Helianthus annuus

Thistle, Russian
Salsola kali

Velvetleaf
Abutilon theophrasti

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*Apply with hand-held equipment only.

PERENNIAL WEEDS

Apply this product as follows to control or destroy most perennial weeds:

NOTE: If weeds have been mowed or tilled, do not treat until plants have resumed active growth and are ~~at~~ ~~have reached~~ the recommended stages ~~of growth~~.

Repeat treatments may be necessary to control weeds regenerating from underground parts or seed. Repeat treatments must be made prior to crop emergence.

The addition of ~~to~~ 2 percent dry ammonium sulfate by weight or ~~to~~ 17 pounds per 100 gallons of water may increase the performance of this product on perennial weeds. The improvement in performance may be apparent where environmental stress is a concern. Refer to the 'Mixing, Additives and Application Instructions' section of this label.

When applied as recommended under the conditions described, this product WILL CONTROL the following PERENNIAL WEEDS:

Alfalfa

Medicago sativa

Alligatorweed*

*Alternanthera
philoxeroides*

Artichoke, Jerusalem

Helianthus tuberosus

Bahiagrass

Paspalum notatum

Bentgrass

Agrostis spp.

Bermudagrass

Cynodon dactylon

Bermudagrass, water (spikegrass)
Paspalum distichum

Bindweed, field

Convolvulus arvensis

Bluegrass, Kentucky

Poa spp.

Blueweed, Texas

Helianthus ciliaris

Brackenfern

Pteridium aquilinum

Bromegrass, smooth

Bromus inermis

Bursage, woollyleaf

Franseria tomentosa

Canarygrass, reed

Phalaris arundinacea

Cattail

Typha spp.

Clover, red

Trifolium pratense

Clover, white

Trifolium repens

Cogongrass

(Honcho)

Imperata cylindrica

Dallisgrass
Paspalum dilatatum

Dandelion
Taraxacum officinale

Dock, curly
Rumex crispus

Dogbane, hemp
Apocynum cannabinum

Fescues
Festuca spp.

Fescue, tall
Festuca arundinacea

Guineagrass
Panicum maximum

Horsenettle
Solanum carolinense

Horseradish
Armoracia rusticana

Johnsongrass
Sorghum halepense

Kikuyugrass
Pennisetum clandestinum

Knapweed
Centaurea repens

Lantana
Lantana camara

Milkweed
Asclepias spp.

Muhly, wirestem
Muhlenbergia frondosa

Mullein, common
Verbascum thapsus

Napiergrass
Pennisetum purpureum

Nightshade, silverleaf
Solanum elaeagnifolium

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Nutsedge: purple, yellow
Cyperus rotundus
Cyperus esculentus

Orchardgrass
Dactylis glomerata

Pampas
Cortaderia jubata

Paragrass
Brachiaria mutica

Phragmites*
Phragmites spp.

Quackgrass
Agropyron repens

~~Reed, common~~
~~*Arundo donax*~~

Reed, giant
Arundo donax

Ryegrass, perennial
Lolium perenne

Smartweed, swamp
Polygonum coccineum

~~Spurge, leafy~~
~~*Euphorbia esula*~~

Sweet potato, wild*
Ipomoea pandurata

Thistle, Canada
Cirsium arvense

Timothy
Phleum pratense

Torpedograss*
Panicum repens

~~Trumpetcrane~~
~~*Asclepias tuberosa*~~

Vaseygrass
Paspalum urvillei

Wheatgrass, western
Agropyron smithii

*Partial control

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Alfalfa - Apply 1 quart of this product in 3 to 10 gallons of water per acre. Make application after last hay cutting in the fall. Allow alfalfa to regrow to a height of 6 to 8 inches or more prior to treatment. Applications should be followed with deep tillage at least 7 days after treatment, but before soil freeze-up.

Alligatorweed - Apply 4 quarts of this product per acre or apply a 1-1/2 percent solution with hand-held equipment to provide partial control. Apply when most of the plants are in bloom. Repeat applications will be required to maintain such control.

Bentgrass - For suppression in grass seed production areas. For ground applications only, apply 1.5 quarts of this product in 10 to 20 gallons of water per acre. Ensure entire crown area has resumed growth prior to a fall application. Bentgrass should have at least 3 inches of growth. Tillage prior to treatment should be avoided. Tillage 7 to 10 days after application is recommended for best results. Failure to use tillage after treatment may result in unacceptable control.

Bermudagrass - For control, apply 5 quarts of this product per acre and, for partial control, apply 3 quarts per acre. Treat when bermudagrass is actively growing and seedheads are present. Retreatment may be necessary to maintain control. Allow 7 or more days after application before tillage.

Bermudagrass, water (knotgrass) - Apply 1.5 quarts of this product in 5 to 10 gallons of water per acre. Apply when water bermudagrass is actively growing and 12 to 18 inches in length. Allow 7 or more days before tilling, flushing or flooding the field.

Fall applications only - Apply 1 quart of this product in 5 to 10 gallons of water per acre. Fallow fields should be tilled prior to application. Apply prior to frost on water bermudagrass that is actively growing and 12 to 18 inches in length. Allow 7 or more days before tillage.

Bindweed, fields - For control, apply 4 to 5 quarts of this product per acre west of the Mississippi River and 3 to 4 quarts east of the Mississippi River. Apply when the weeds are actively growing and are at or beyond full bloom. Do not treat when weed is under drought stress as good soil moisture is necessary for active growth. For best results, apply in late summer or fall. Fall treatments must be applied before a killing frost. Allow 7 or more days after application before tillage.

Also 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 only.

The following tank mixtures with 2,4-D may be applied using aerial application equipment (except in California) in fallow and reduced tillage systems only.

For suppression on irrigated agricultural land apply 1 to 2 quarts of this product plus 1 pound a.i. of 2,4-D in 10 to 20 gallons of

water per acre with ground equipment only. Applications should be made following harvest or on fall fallow ground when the bindweed is actively growing and the majority of runners are 12 inches or more in length. The use of at least one irrigation will promote active bindweed growth.

For suppression, apply 16 fluid ounces of this product plus 0.5 pounds a.i. of 2,4-D in 3 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.

In California only, apply 1 to 5 quarts of this product per acre. Actual rate needed for suppression or control will vary within this range depending on local conditions. Also, for more specific use recommendations for California refer to the following paragraph:

For suppression on irrigated land where annual tillage is performed, apply 1 quart of this product in 3 to 10 gallons of water per acre. Apply to actively growing bindweed that has reached a length of 12 inches or greater. Allow maximum weed emergence and runner growth. Do not treat when weed is under drought stress as good soil moisture is necessary for active growth. Allow 3 or more days after application before tillage.

~~Bindweed, field / Blueweed, Texas -- Apply 4 to 5 quarts of this product per acre west of the Mississippi River and 3 to 4 quarts per acre east of the Mississippi River. Apply when weed is actively growing and is at or beyond full bloom. Do not treat when weed is under drought stress, as good soil moisture is necessary for active growth. For best results, apply in late summer or fall. Fall treatments must be applied before a killing frost. Allow 7 or more days after application before frost.~~

~~Bindweed, field (suppression on irrigated land where annual tillage is performed) -- Apply 1 quart of this product in 3 to 10 gallons of water per acre. Apply to actively growing bindweed that has reached a length of 12 inches or greater. Allow maximum weed emergence and runner growth. Do not treat when weed is under drought stress, as good soil moisture is necessary for active growth. Allow 3 or more days after application before tillage.~~

Bluegrass, Kentucky / Bromegrass, smooth / Orchardgrass -- Apply 2 quarts of this product in 10 to 40 gallons of water per acre when the grasses are actively growing and most plants have reached boot-to-early seedhead stage of development. For partial control in pasture or hay crop renovation, apply 1 to 1-1/2 quarts of this product in 5 to 10 gallons of water per acre.

Apply to actively growing plants when most have reached 4 to 12 inches in height. Allow 7 or more days after application before tillage.

Blueweed, Texas--Apply 4 to 5 quarts of this product per acre west of the Mississippi River and 3 to 4 quarts per acre east of the Mississippi River. Apply when weed is actively growing and is at or beyond full bloom. Do not treat when weed is under drought

stress as good soil moisture is necessary for active growth. New leaf development indicates active growth. For best results, apply in late summer or fall. Fall treatments must be applied before a killing frost. Allow 7 or more days after application before tillage.

Brackenfern - Apply 3 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. Apply to fully expanded fronds which are at least 18 inches long.

Bursage, woollyleaf - For control, apply 2 quarts of this product plus 1 pint of Banvel per acre. For partial control, apply 1 quart of this product plus 1 pint of Banvel per acre. Apply 3 to 20 gallons of water per acre. Apply when plants are producing new active growth which has been initiated by moisture for at least 2 weeks and when plants are at or beyond flowering.

Canarygrass, reed / Timothy / Wheatgrass, western - Apply 2 to 3 quarts of this product per acre. For best results, apply to actively growing plants when most have reached the boot-to-head stage of growth. Allow 7 or more days after application before tillage.

Cogongrass - Apply 3 to 5 quarts of this product in 10 to 40 gallons of water per acre. Apply when cogongrass is at least 18 inches tall and actively growing in late summer or fall. Allow 7 or more days after application before tillage or mowing. Due to uneven stages of growth and the dense nature of vegetation preventing good spray coverage, repeat treatments may be necessary to maintain control.

Dandelion/Dock, curly - Apply 3 to 5 quarts of this product per acre when plants are actively growing and most have reached the early bud stage of growth. Allow 7 or more days after application before tillage.

Also for control, apply 16 fluid ounces of this product plus 0.5 pounds a.i. of 2,4-D plus 0.5 to 1 percent nonionic surfactant by total spray volume in 3 to 10 gallons of water per acre.

~~Dogbane, hemp/Knapweed/Horseradish - Apply 4 quarts of this product per acre. Apply when actively growing and when most weeds have reached the late bud to flower stage of growth. Following crop harvest or mowing, allow weeds to regrow to a mature stage prior to treatment. For best results, apply in late summer or fall. Allow 7 or more days after application before tillage. Apply 4 quarts of this product per acre. Apply when actively growing and when most weeds have reached the late bud to flower stage of growth. Following crop harvest or mowing, allow weeds to regrow to a mature stage prior to treatment. For best results, apply in late summer or fall. Allow 7 or more days after application before tillage.~~

For suppression, apply 16 fluid ounces of this product plus 0.5 pounds a.i. of 2,4-D plus 0.5 to 1 percent nonionic surfactant by total spray volume in 3 to 10 gallons of water per acre for ground applications and 3 to 5 gallons of water per acre for aerial

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applications. Delay applications until maximum emergence of dogbane has occurred.

Fescue, tall - Apply 3 quarts of this product in 10 to 40 gallons of water per acre to actively growing plants when most have reached boot-to-early seedhead stage of development.

Fall applications only - Apply 1 quart of this product in 3 to 10 gallons of water per acre. Apply to fescue in the fall when actively growing and plants have 6 to 12 inches of new growth. Allow 7 or more days after application before tillage. A sequential application of 1 pint per acre of this product will improve long-term control and control seedlings germinating after fall treatments or the following spring.

Guineagrass - Apply 3 quarts of this product per acre or use a 1 percent solution with hand-held equipment. Apply to actively growing guineagrass when most have reached at least the 7-leaf stage of growth. Ensure thorough coverage when using hand-held equipment. Allow 7 or more days after application before tillage.

Johnsongrass / Ryegrass, perennial - Apply 1 to 3 quarts of this product per acre. In annual cropping systems, apply 1 to 2 quarts of this product per acre. Apply 1 quart of this product in 3 to 10 gallons of water per acre. Use 2 quarts of this product when applying 10 to 40 gallons of water per acre. In noncrop or areas where annual tillage (no-till) is not performed, apply 2 to 3 quarts of this product in 10 to 40 gallons of water per acre. For best results, apply to actively growing plants when most have reached the boot-to-head stage of growth. Allow 7 or more days after application before tillage. Do not tank-mix with residual herbicides when using the 1 quart per acre rate.

For burndown of johnsongrass, apply 1 pint per acre in 3 to 10 gallons of water per acre before the plants reach a height of 12 inches. For this use, allow at least 3 days after treatment before tillage.

Spot Treatment (partial control or suppression) - Apply a 1 percent solution of this product when johnsongrass is 12 to 18 inches in height. Coverage should be uniform and complete.

Kikuyugrass - Apply 2 to 3 quarts of this product per acre. Spray when most kikuyugrass is at least 8 inches in height (3 or 4-leaf stage of growth) and actively growing. Allow 3 or more days after application before tillage.

Knapweed/Toxicaria - Apply 4 quarts of this product per acre. Apply when the plants are growing and when most seeds have reached the late bud to early flower stage of growth. To obtain crop harvest or mowing, allow 7 or more days after application before tillage. For best results, apply in late summer or fall. Allow 7 or more days after application before tillage.

Lantana - Apply this product as a 1 to 1-1/4 percent solution using hand-held equipment only. Apply to actively growing lantana at or beyond the bloom stage of growth. Use the higher application rate

(Honcho)

for plants that have reached the woody stage of growth. Allow 7 or more days after application before tillage.

Milkweed, common - Apply 3 quarts of this product per acre. Apply when actively growing and most of the milkweed has reached the late bud to flower stage of growth. Following small grain harvest or mowing, allow milkweed to regrow to a mature stage prior to treatment. Allow 7 or more days after application before tillage.

Muhly, wirestem - Apply 1 to 2 quarts of this product per acre. Use 1 quart of this product in 3 to 10 gallons of water per acre. Use 2 quarts of this product when applying 10 to 40 gallons of water per acre or in pasture, sod, or noncrop areas. Spray when the wirestem muhly is 8 inches or more in height and actively growing. Do not till between harvest and fall applications or in the fall or spring prior to spring applications. Allow 3 or more days after application before tillage. This product will not provide residual control of wirestem muhly from seeds which germinate after a Honcho herbicide application. Do not tank mix with residual herbicides when using the 1 quart per acre rate.

Nightshade, silverleaf - For control, apply 2 quarts of this product in 3 to 10 gallons of water per acre. Applications should be made when at least 60 percent of plants have berries. Fall treatments must be applied before a killing frost. Allow 7 or more days after application before tillage. Do not treat when weed is under drought stress, as good soil moisture is necessary for active growth.

~~**Nutsedge, purple, yellow** - Apply 3 quarts of this product per acre as a broadcast spray, or apply a 1 percent solution from hand-held equipment to control existing nutsedge plants and immature nutlets attached to treated plants. Treat when plants are in flower or when new nutlets can be found at rhizome tips. Nutlets which have not germinated will not be controlled and may germinate following treatment. Repeat treatments will be required for long-term control. Wait 7 days after treatment before tillage. Tillage will stimulate nutlet germination.~~

~~Apply 1 pint to 1 quart of this product per acre in 3 to 40 gallons of water per acre to provide suppression or partial control of existing nutsedge plants. Treat when plants have 3 to 5 leaves (less than 6 inches). Repeat treatments will be required to control subsequent emerging plants. Wait 7 days after treatment before tillage or mowing.~~

~~**Nutsedge, purple, yellow** - Apply 3 quarts of this product per acre as a broadcast spray, or apply a 2 percent solution from hand-held equipment to control existing nutsedge plants and immature nutlets attached to treated plants. Treat when plants are in flower or when new nutlets can be found at rhizome tips. Nutlets which have not germinated will not be controlled and may germinate following treatment. Repeat treatments will be required for long-term control of ungerminated tubers. Sequential applications of 1 to 2 quarts of this product in 3 to 10 gallons of water per acre will provide control. Make applications when a majority of the plants are in the 3 to 5 leaf stage (less than 6 inches tall). Repeat~~

(Honcho)

this application, as necessary, when newly emerging plants reach the 3 to 5 leaf stage. Subsequent applications will be necessary for long-term control.

For suppression of existing plants, apply 1 pint to 2 quarts of this product in 3 to 40 gallons of water per acre. Treat when plants have 3 to 5 leaves and most are less than 6 inches tall. Repeat treatments will be required to control subsequent emerging plants or regrowth of existing plants. Wait 7 days after treatment before tillage or mowing.

For improved control of existing nutsedge plants, apply 1 to 3 quarts of this product plus 9 to 16 fluid ounces of Goal in 3 to 40 gallons of water per acre. Treat when plants have 3 to 5 leaves and most are less than 6 inches tall. Repeat treatments will be required to control subsequent emerging plants or regrowth of existing plants. Wait 7 days after treatment before tillage or mowing.

Pampas - Apply this product as a 1-1/2 to 2 percent solution using hand-held equipment. Apply to plants that are actively growing at or beyond the boot stage of growth. Thorough coverage is necessary for best control.

Phragmites - For partial control of phragmites in Florida and the counties of other states bordering the Gulf of Mexico, apply 5 quarts per acre as a broadcast spray or apply a 2 percent solution from hand-held equipment. In other areas of the U.S., apply 3 quarts per acre as a broadcast spray or apply a 1 percent solution from hand-held equipment for partial control. For best results, treat during late summer or fall months or when plants are actively growing and in full bloom. Treatment before or after this stage may lead to reduced control. Due to the dense nature of the vegetation, which may prevent good spray coverage or uneven stages of growth, repeat treatments may be necessary to maintain control. Visual control symptom will be slow to develop.

Quackgrass - In Annual Cropping Systems, or in Pastures and Sods Followed by Deep Tillage: Apply 1 to 2 quarts of this product per acre. For the one quart rate, apply in 3 to 10 gallons of water per acre. For the 2 quart rate, apply in 10 to 40 gallons of water per acre. Do not tank mix with residual herbicides when using the 1 quart rate. Spray when quackgrass is 8 to 12 inches in height and actively growing. Do not till between harvest and fall applications or in fall or spring prior to spring application. Allow 3 or more days after application before tillage. In pastures or sods, for best results use a moldboard plow.

Quackgrass - Pasture or Sod or Other Noncrop Areas Where Deep Tillage is Not Planned Following Application: Apply 2 to 3 quarts in 10 to 40 gallons of water per acre. Spray when the quackgrass is greater than 8 inches tall and actively growing. Do not till between harvest and fall application or in fall or spring prior to spring application. Allow 3 or more days after application before tillage.

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Redvine--For suppression, apply 24 fluid ounces of this product per acre at each of two applications 7 to 14 days apart or a single application of 2 quarts per acre. Apply recommended rates in 5 to 10 gallons of water per acre. Apply to actively growing plants in late September or early October, which are at least 18 inches tall and have been growing 45 to 60 days since the last tillage operation. Make applications at least one week before a killing frost.

Reed, giant - For control of giant reed, apply a 2 percent solution of this product when plants are actively growing. Best results are obtained when applications are made in late summer to fall.

Smartweed, swamp--Apply 3 to 5 quarts of this product per acre when plants are actively growing and most have reached the early bud stage of growth. Allow 7 or more days after application before tillage.

Also for control, apply 16 fluid ounces of this product plus 0.5 pound active ingredient of 2,4-D 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.

Spurge, leafy--For suppression, apply 16 fluid ounces of this product plus 0.5 pound active ingredient 2,4-D in 3 to 10 gallons of water per acre in the late summer or fall. Apply when plants are actively growing. If mowing has occurred prior to treatment, apply when most of the plants are 12 inches tall. Allow 7 or more days after application before tillage.

Sweet Potato, wild - Apply this product as a 2 percent solution using hand-held equipment. Apply to actively growing weeds that are at or beyond the bloom stage of growth. Repeat applications will be required. Allow the plant to reach the recommended stage of growth before retreatment. Allow 7 or more days before tillage.

Thistle, Canada - Apply 2 to 3 quarts of this product per acre. Apply to actively growing thistles when most are at or beyond the bud stage of growth. After harvest, mowing or tillage in the late summer or fall, allow at least 4 weeks for initiation of active growth and rosette development prior to the application of this product. Fall treatments must be applied before a killing frost. Allow 3 or more days after application before tillage.

For suppression of Canada thistle, apply 1 quart of this product, or 1 pint of this product plus 0.5 pounds a.i. 2,4-D in 3 to 10 gallons of water per acre in the late summer or fall after harvest, mowing or tillage. Allow rosette regrowth to a minimum of 6 inches in diameter before treating. Applications can be made as long as leaves are still green and plants are actively growing at the time of application. Allow 3 or more days after application before tillage.

Torpedograss - Apply 4 to 5 quarts of this product per acre to provide partial control of torpedograss. Apply to actively growing torpedograss when most plants are at or beyond the seedhead stage

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of growth. Repeat applications will be required to maintain control. Fall treatments must be applied before frost. Allow 7 or more days after application before tillage.

~~Trumpet creeper--~~For control, apply 2 quarts of this product in 5 to 10 gallons of water per acre. Apply in late September or October to actively growing plants which are at least 18 inches tall and have been growing 45 to 60 days since the last tillage operation. Make applications at least 1 week before a killing frost.

Other perennials listed on this label - Apply 3 to 5 quarts of this product per acre. Apply when actively growing and most have reached early head or early bud stage of growth. Allow 7 or more days after application before tillage.

~~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 3 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.~~

~~(Do not apply tank mixtures of this product plus 2,4-D or Banvel by air in California.)~~

~~Irrigated Agricultural Lands~~

~~Apply 1 to 2 quarts of this product plus 1 quart of 2,4-D amine in 10 to 20 gallons of water per acre with ground equipment only for partial control (suppression) of field bindweed. Applications should be made following harvest or in fall fallow ground when bindweed is actively growing and the majority of runners are 12 inches or more in length. Use at least one irrigation to promote active bindweed growth.~~

~~Dogbane, hemp~~

~~—Apocynum cannabinum~~

(Honcho)

~~For suppression, apply 16 ounces of this product plus 16 ounces of 2,4-D amine in 3 to 10 gallons of water per acre for ground applications, and 3 to 5 gallons of water per acre for aerial applications (except in California). Delay application until maximum emergence of dogbane has occurred. For control, apply 4 quarts of this product in 3 to 5 gallons of water per acre using ground equipment only.~~

~~Smartweed, swamp
Polygonum coelestinum~~

~~For control, apply 16 ounces of this product plus 0.5 pound 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.~~

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.

Ash*
Fraxinus spp.

Aspen, quaking
Populus tremuloides

Bearmat (Bearclover)
Chamaebatia foliolosa

Birch
Betula spp.

Blackberry
Rubus spp.

Broom:
French
Cytisus monspessulanus

Scotch
Cytisus scoparius

Buckwheat, California*
Eriogonum fasciculatum

Cascara*
Rhamnus purshiana

Catsclaw*
Acacia greggi

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Ceanothus**Ceanothus* spp.**Chamise***Adenostoma
fasciculatum***Cherry:****Bitter***Prunus emarginata***Black***Prunus serotina***Pin***Prunus pensylvanica***Coyote brush***Baccharis consanguinea***Creepers, Virginia****Parthenocissus
quinquefolia***Dewberry***Rubus trivialis***Elderberry***Sambucus* spp.**Elm****Ulmus* spp.**Eucalyptus, bluegum***Eucalyptus globulus***Hasardia****Haplopappus squamosus***Hawthorn***Crataegus* spp.**Hazel***Corylus* spp.**Honeysuckle***Lonicera* spp.**Kudzu***Pueraria lobata***Locust, black****Robinia pseudoacacia***Madrone***Arbutus menziesii*

(Honcho)

Manzanita
Arctostaphylos spp.

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

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

Russian-olive
Eleagnus angustifolia

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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

Tallowtree, Chinese
Sapium sebiferum

Tan oak
Lithocarpus densiflorus

Thimbleberry
Rubus parviflorus

Tobacco, tree*
Nicotiana glauca

Trumpet creeper
Campsis radicans

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 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 the "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 this product with hand-held equipment. 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.

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

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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 less 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.

Madrone resprouts - For suppression or partial control, apply a 2 percent solution of this product to resprouts less than 3 to 6 feet tall. Best results are obtained with spring/early summer treatments.

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 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.

Tan oak resprouts - For suppression or partial control, apply a 2 percent solution of this product to resprouts less than 3 to 6 feet tall. Best results are obtained with spring/early summer treatments.

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.

~~See the "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 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 plywood 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.~~

NONCROP USES

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

~~EXTREME CARE MUST BE EXERCISED TO AVOID CONTACT OF SPRAY WITH FOLIAGE OF DESIRABLE TURFGRASSES, TREES, SHRUBS, OR OTHER DESIRABLE VEGETATION SINCE SEVERE DAMAGE OR DESTRUCTION MAY RESULT.~~

~~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.

INDUSTRIAL, RECREATIONAL AND PUBLIC AREAS

When applied as directed for 'Noncrop Uses', under conditions described, this product controls annual and perennial weeds listed on this label growing in areas such as airports, ditch banks, dry ditches, dry canals, fencerows, golf courses, highways, industrial plant sites, lumber yards, parking areas, parks, petroleum tank farms and pumping installations, pipelines, power and telephone rights-of-way, railroads, roadsides, schools, storage areas, other public areas and similar industrial or noncrop 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.

This product may be applied with recirculating sprayers, shielded applicators, or wiper applicators in any noncrop site specified on this label. See the 'Selective Equipment' part of 'Application Equipment and Techniques' section of this label for information on proper use and calibration of this equipment.

TANK MIXTURES FOR INDUSTRIAL SITES AND FORESTRY SITE PREPARATIONS

HONCHO® plus OUST®

Use on industrial sites including airports, industrial plants, lumberyards, petroleum tank farms, pumping stations, pipelines, railroads, roadsides, storage areas or other similar sites where bare ground is desired.

This tank mixture may also be used as a site preparation treatment for sites to be planted to jack pine, loblolly pine, red pine, slash pine and Virginia pine.

When applied as directed for 'Noncrop Uses' under the conditions described, this product plus Oust provides control of annual weeds listed in the 'Weeds Controlled' section of the label for this product and Oust, and control or partial control of the perennial weeds listed below.

Apply 1 to 2 quarts of this product with 2 to 4 ounces of Oust in 10 to 40 gallons of spray solution per acre as a broadcast spray to actively growing weeds.

This mixture may be applied by aerial equipment in site prep operations. When applied by air, use the recommended rates in 5 to 15 gallons of spray solution per acre.

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This product plus Oust tank mixtures may not be applied by air in California.

For control of annual weeds, use the lower rates of these products.

For control of the listed perennial weeds, use the higher rates of both products. For partial control, use the lower rates.

Bahiagrass

Paspalum notatum

Bermudagrass

Cynodon dactylon

Broomsedge

Andropogon virginicus

Dock, curly

Rumex crispus

Dogfennel

Eupatorium capillifolium

Fescue, tall

Festuca arundinacea

Johnsongrass

Sorghum halepense

Poorjoe

Dicella terrestris

Quackgrass

Agropyron repens

Trumpet creeper

Campsis radicans

Vaseygrass

Paspalum urvillei

Vervain, blue

Verbena hastata

*Suppression at the higher rates only.

**Control at the lower rates.

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

*Oust is a trademark of E. I. du Pont de Nemours and Company.

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TANK MIXTURES

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NONCROP SITES

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 the weeds listed in the individual product labels.

- HONCHO plus DIURON ■
- HONCHO plus KROVAR[®] I ■
- HONCHO plus KROVAR II ■
- HONCHO plus RONSTAR[®] 50WP ■
- HONCHO plus SIMAZINE,
PRINCER[®] CACIBER[®] 90 ■
- HONCHO plus SIMAZINE 4L ■
- HONCHO plus SIMAZINE 80W ■
- HONCHO plus SURFLAN[®] 75W ■
- HONCHO plus SURFLAN AS ■

See the "Mixing, Additives and Application Instructions" section of this label before preparing these tank mixtures.

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

CONTROL OF EMERGED WEEDS

Annual Weeds—Apply 1 quart per acre of this product in these tank mixtures when weeds are less than 6 inches tall and 1½ quarts per acre when weeds are more than 6 inches tall.

Perennial Weeds—For partial control of perennial weeds using these tank mixtures, apply 2 to 5 quarts per acre of this product. Follow the recommendations in the "Weeds Controlled" section of this label for stage of growth and rate of application for specific perennial weeds.

PREEMERGENCE WEED CONTROL

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For preemergence weed control, refer to the individual product labels for specific noncrop sites, rates, carrier volumes and precautionary statements.

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Mix only the quantity of spray solution which can be used during the same day. Do not allow these tank mixtures to stand overnight as this may result in reduced weed control.

APPLY THESE TANK MIXTURES THROUGH CONVENTIONAL BROADCAST EQUIPMENT ONLY.

*Princep and Caliber are trademarks of Ciba-Geigy Corporation.

*Krovar is a trademark of E.I. du Pont de Nemours and Company.

*Ronstar is a trademark of Rhone-Poulenc, Inc.

*Surflan is a trademark of Alanco Products Company.

FARMSTEAD WEED CONTROL

When applied as directed for "Noncrop Uses", under 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.

ORNAMENTALS

THIS PRODUCT IS NOT RECOMMENDED FOR USE AS AN OVER-THE-TOP BROADCAST SPRAY IN ORNAMENTALS.

When applied as instructed for the conditions described for "Noncrop Uses", this product controls undesirable vegetation listed on this label prior to planting ornamentals, within and around greenhouses and shadehouses, and as a postdirected spray around established ornamentals.

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

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

Where repeat applications are necessary, do not exceed 10.6 quarts of this product per acre per year.

Site Preparation-Following preplant applications of this product, any ornamental species may be planted. Precautions should be taken to protect nontarget plants during site preparation applications.

Greenhouse/Shadehouse Use—This product may be used to control weeds listed on this label which are growing in greenhouses. Desirable vegetation must not be present during application and air circulation fans must be turned off.

Postdirected Spray—Use as a postdirected spray around established woody ornamental species such as those listed below. Care must be exercised to avoid contact of spray, drift or mist with foliage or green bark of established ornamental species.

Arborvitae
Thuja spp.

Azalea
Rhododendron spp.

Borwick
Buxus spp.

Crabapple
Malus spp.

Eucalyptus
Eucalyptus spp.

Fir
Abies spp.
Pseudotsuga spp.

Jojoba
Simmondsia chinensis

Hollies
Ilex spp.

Lilac
Syringa spp.

Magnolia
Magnolia spp.

Maple
Acer spp.

Oak
Quercus spp.

Privet
Ligustrum spp.

Pine
Pinus spp.

Spruce
Picea spp.

Yew

(Honcho)

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**SILVICULTURAL SITES,
RIGHTS-OF-WAY
and CHRISTMAS TREES**

**NOTE: NOT RECOMMENDED FOR USE AS AN OVER-THE-TOP BROADCAST SPRAY
IN SILVICULTURAL NURSERIES OR CHRISTMAS TREE PLANTATIONS.**

When applied as directed for 'Noncrop Uses' under conditions described, this product controls undesirable vegetation listed on this label. This product also suppresses or controls undesirable vegetation listed on this label when applied at recommended rates for release of established coniferous species listed on this label.

For specific rates of application and instructions for control of various brush, annual and perennial weeds, see the 'Weeds Controlled' section of this label. For specific rates of application for release of listed coniferous species, see the 'Conifer Release' part of this section of the label.

Where repeat applications are necessary, do not exceed 10.6 quarts of this product per acre per year.

Aerial Application—This product may be applied using aerial spray equipment for silvicultural site preparation, conifer release and rights-of-way treatments. See the 'Application Equipment and Techniques' part of the 'Mixing, Additives and Application Instructions' section of this label for information on how to apply this product by air.

DO NOT APPLY THIS PRODUCT BY AIR TO RIGHTS-OF-WAY SITES IN THE STATE OF CALIFORNIA.

In order to reduce the aerial application drift hazard to aquatic sites*, to nontarget sites, or any site containing desirable vegetation, always maintain appropriate buffer zones. A buffer zone of the following minimum distances should be maintained:

- Helicopters using a Microfoil™ boom, a Thru-Valve™ boom (TVB-45), or equivalent drift control systems, should maintain at least a 50-foot buffer zone.
- When using other aerial equipment:
 1. Maintain at least a 75-foot buffer zone for applications using 2 quarts or less per acre of this product.
 2. Maintain at least a 125-foot buffer zone for applications using more than 2 quarts per acre of this product.
 3. Maintain at least a 400-foot buffer zone for applications on rights-of-way when applied from 75 feet or more above ground level.

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These distances should be increased if conditions favoring drift exist.

* Aquatic sites include all lakes, ponds, and streams used for significant domestic purposes or angling.

* Microfoil is a trademark of Union Carbide Agricultural Products, Inc.

* Thru-Valve is a trademark of Walchem Specialties, Inc.

■ SITE PREPARATION ■

Following preplant applications of this product, any silvicultural species may be planted.

■ POSTDIRECTED SPRAY ■

In established silvicultural sites, use as a spray on the foliage of undesirable vegetation. Care must be exercised to avoid contact of spray, drift or mist with foliage or green bark of desirable species.

■ CONIFER RELEASE ■

For release, apply only where conifers have been established for more than one year. Vegetation should not be disturbed prior to treatment or until visual symptoms appear after treatment. Symptoms of treatment are slow to appear, especially in woody species treated in late fall. Injury may occur to conifers treated for release, especially where spray patterns overlap or the higher rates are applied or when applications are made during periods of active conifer growth.

Applications must be made after formation of final conifer resting buds in the fall or prior to initial bud swelling in spring. Some autumn colors on undesirable deciduous species are acceptable provided no major leaf drop has occurred. Use the following rates for conifer release to control or partially control the weeds listed in the "Weeds Controlled" section of this label.

For release of the following conifer species:

Douglas fir
Pseudotsuga menziesii

Fir
Abies spp.

Hemlock
Tsuga spp.

Pine
Pinus spp.

Spruce

(Honcho)

Picea spp.

- * Includes all species except eastern white pine, loblolly pine or slash pine.

Apply 1½ to 2 quarts of this product per acre except in Washington and Oregon, west of the crest of the Cascade Mountains. For spring treatments west of the crest of the Cascade Mountains, apply 1 quart of this product per acre before conifer bud swell for control of annual weeds. For fall treatments in Washington and Oregon, west of the crest of the Cascade Mountains, apply 1 to 1½ quarts of this product per acre before any major leaf drop of deciduous species.

For release of western hemlock, apply 1 quart of this product per acre.

For release of the following conifer species:

Loblolly pine
Pinus taeda

Eastern white pine
Pinus strobus

Slash pine
Pinus elliottii

Late Season Application—Apply 1½ to 2 quarts of this product in a minimum of 5 gallons of spray solution per acre during early autumn. Applications made prior to September 1 or when conditions are conducive to rapid growth of conifers will create the potential for increased injury in the form of tip and/or needle burn. Injury may decrease with later applications. Some autumn colors are acceptable at time of application. Apply prior to frost or leaf drop of undesirable plants. Applications made according to label directions will release loblolly pine, eastern white pine and slash pine by reducing competition from the following species:

Ash
Fraxinus spp.

Cherry:
Black
Prunus serotina

Pin
Prunus pensylvanica

Elm
Ulmus spp.

Hawthorn
Crataegus spp.

Locust, black
Robinia pseudoacacia

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Maple, red
Acer rubra

Oaks
Black
Quercus velutina

Pines
Pinus strobus

Southern Red
Quercus laevis

White Pine
Pinus strobus

Juniper
Juniperus communis

Poplar, yellow
Populus deltoides

Sassafras
Sassafras albidum

Burwood
Oxydendrum arboreum

Bumelia
Poison
Rhus vernice

Smooth
Rhus glabra

Winged
Rhus copallina

Sweetgum
Liquidambar styraciflua

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Apply only to those sites where woody brush and trees listed in this label constitute the majority of the undesirable species.

DO NOT MIX WITH OUST TANK MIXTURES
FOR CONTROL RELEASE FROM HERBACEOUS WEEDS

THIS PRODUCT AND OUST TANK MIXTURES MAY NOT BE APPLIED BY AIR IN CALIFORNIA

To control brush and trees listed below, tank mixtures of this product with Oust will provide control of annual weeds listed in the "Weeds Controlled" section of this and the Oust label, and partial control of the perennial weeds listed below.

Apply 16 to 24 fluid ounces of this product with 2 to 4 ounces of Oust in 10 to 30 gallons of spray solution per acre. Make

(Honcho)

application to actively growing weeds as a broadcast spray over the top of the young loblolly pines.

This tank mixture may be applied using aerial equipment. When applying by air, use the recommended rate in 5 to 15 gallons of spray solution per acre.

For control of annual weeds less than 12 inches in height (or runner length on annual vines), use the low rates of both products. Use the higher rates of both products when annual weeds are in more advanced stages of growth and approaching flower or seed formation.

Use the higher rates of both products for partial control of the following perennial weeds. Use the lower rates for suppression of growth.

Bahiagrass
Paspalum notatum

Broomsedge
Andropogon virginicus

Dock, curly
Rumex crispus

Dogfennel
Eupatorium capilliflorum

Fescue, tall
Festuca arundinacea

Johnsongrass**
Sorghum halepense

Poorjoe**
Diodia teres

Trumpet creeper*
Campsis radicans

Vaseygrass
Paspalum urvillei

Vervain, blue
Verbena hastata

*Suppression at the higher rates only.

**Control at the higher rates.

Pine damage may occur or can be accentuated if treatment takes place when young trees are under stress from drought, flood water, insects or disease.

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

(Honcho)

NOTE TO USER

This product must not be used in areas where adverse impact on Federally designated endangered/threatened plant or aquatic species is likely.

Prior to making applications, the user of this product must determine that no such species are located in or immediately adjacent to the area to be treated.

CUT STUMP TREATMENTS

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. Delays in application may result in reduced performance. For best results, applications should be made during periods of active growth and full leaf expansion.

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

Alder

Alnus spp.

Eucalyptus/Bluegum

Eucalyptus *nitulus*

Madrone

Arbutus menziesii

Oak

Quercus spp.

Reed, giant

Arundo donax

Saltoedar

Tamarcisk spp.

Sweetgum

Liquidambar styraciflua

Tan Oak

Lithocarpus densiflorus

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INJECTION AND FRILL APPLICATIONS

Woody vegetation may be controlled by injection or frill application of this product. Apply this product using suitable

equipment which must penetrate into the living tissue. Apply the equivalent of 1 ml of this product per each 2 to 3 inches of trunk diameter (DBH). This is best achieved by applying 50 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 diluted 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, application should be made during periods of active growth and after full leaf expansion.

This treatment WILL CONTROL the following woody species:

Oak

Quercus spp.

Poplar

Populus spp.

Sweetgum

Liquidambar styraciflua

Sycamore

Platanus occidentalis

This treatment WILL SUPPRESS the following woody species:

Black gum

Nyssa sylvatica

Dogwood

Cornus spp.

Hickory

Carya spp.

Maple, red

Acer rubrum

TURFGRASSES AND GRASSES FOR SEED PRODUCTION

■ PREPLANT AND RENOVATION ■

When applied as directed for "Noncrop Uses", under conditions described, this product controls most existing vegetation prior to the planting or renovation of either turfgrasses or 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.

(Honcho)

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 applications 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.

TURFGRASSES

Where existing vegetation is growing in a field or unmowed situation, apply this product to actively growing weeds at the stages of growth given in the "Weeds Controlled" section of this label.

Where existing vegetation is growing under mowed turfgrass management, apply this product after omitting at least one regular mowing to allow sufficient growth for good interception of the spray.

Desirable turfgrasses may be planted following the above procedures.

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.

ANNUAL WEED CONTROL IN DORMANT BERMUDAGRASS AND BAHIA GRASS TURF

When applied as directed for "Noncrop Uses" under the conditions described, this product will provide control or suppression of many winter annual weeds and tall fescue for effective release of dormant bermudagrass and bahiagrass turf. Refer to the rate table for Roundup alone under the "Release of Bermudagrass and Bahiagrass" section of this label for recommended rates and volumes on the species to be suppressed or controlled. Treat only when turf is dormant and prior to spring greenup. Spot treatments or broadcast applications of this product in excess of 16 fluid ounces per acre may result in injury or delayed greenup in highly maintained turfgrass areas; i.e., golf courses, lawns, etc. DO NOT APPLY TANK MIXTURES of this product plus Oust in highly maintained turfgrass areas.

RELEASE OF BERMUDAGRASS OR BAHIAGRASS

NOTE: Use only in areas where bermudagrass or bahiagrass are desirable groundcovers and where some temporary injury or discoloration can be tolerated. Use tank mixtures of this product plus Oust only on railroads, highways, utility plant sites, or other right-of-way areas.

When applied as directed for "Noncrop Uses" under the conditions described, this product will provide control or suppression of many winter annual weeds and tall fescue for effective release of dormant bermudagrass or bahiagrass. This product may be tank-mixed with Oust as recommended for residual control. Make applications to dormant bermudagrass or bahiagrass. Tank mixtures of this product plus Oust may delay greenup. To avoid delays in greenup and minimize injury, do not add more than 1 ounce per acre of Oust on bermudagrass or more than 1 ounce per acre on bahiagrass, or treat when these grasses are in a semi-dormant condition.

For best results on winter annuals, treat when plants are in an early growth stage (less than 6 inches in height) after most have germinated. For best results on tall fescue, treat when fescue is at or beyond the 4 to 6-leaf stage.

WEEDS CONTROLLED

Rate recommendations for control or suppression of winter annuals and tall fescue are listed below:

Apply the recommended rates of this product alone or as a tank mixture in 10 to 25 gallons of total spray volume per acre.

For recommendations within specific geographic areas, contact a Monsanto representative.

WEEDS CONTROLLED OR SUPPRESSED WITH HONCHO® ALONE*

NOTE: C = Control
S = Suppression

HONCHO® FLUID OZ/ACRE						
WEED SPECIES	8	12	16	24	32	64
Barley, little <i>Hordeum pusillum</i>	S	C	C	C	C	C
Bedstraw, catchweed <i>Galium aparine</i>	S	C	C	C	C	C

(Honcho)

Bluegrass, annual <i>Poa annua</i>	S	C	C	C	C	C
Chervil <i>Chaerophyllum tainturieri</i>	S	C	C	C	C	C
Chickweed, common <i>Stellaria media</i>	S	C	C	C	C	C
Clover, crimson <i>Trifolium incarnatum</i>	S	S	S	C	C	C
Clover, large clover <i>Trifolium pratense</i>	S	S	S	C	C	C
Fescue, tall <i>Festuca arundinacea</i>	S	S	S	S	S	S
Geranium, carolina <i>Geranium carolinianum</i>	S	S	S	S	C	C
Henbit <i>Lamium amplexicaule</i>	S	S	C	C	C	C
Ryegrass Italian <i>Lolium multiflorum</i>	S	S	S	C	C	C
Speedwell, corn <i>Veronica arvensis</i>	S	C	C	C	C	C
Vetch, common <i>Vicia sativa</i>	S	S	S	C	C	C

* These rates apply only to sites where an established competitive turf is present.

**WEEDS CONTROLLED OR SUPPRESSED
WITH HONCHO® PLUS OUST®**

NOTE: C = Control
S = Suppression

HONCHO® + OUST

	HONCHO (FL. OZ/A)	8	12	12	16	16	12	16
WEED	+	+	+	+	+	+	+	+
SPECIES	OUST (OZ/A)	1	1	1	1	1	1	1

Barley, little <i>Hordeum pusillum</i>	C	C	C	C	C	C	C
Bedstraw, catchweed	C	C	C	C	C	C	C

(Honcho)

<i>Galium aparine</i>							
Bluegrass, annual	S	C	C	C	C	C	C
<i>Poa annua</i>							
Chervil	C	C	C	C	C	C	C
<i>Chaerophyllum tainturieri</i>							
Chickweed, common	S	C	C	C	C	C	C
<i>Stellaria media</i>							
Clover, crimson	S	S	S	S	C	C	C
<i>Trifolium incarnatum</i>							
Clover, large hop	S	S	S	S	S	C	C
<i>Trifolium campestre</i>							
Fescue, tall	S	S	S	S	S	S	S
<i>Festuca arundinacea</i>							
Geranium, Carolina	S	S	S	C	C	C	C
<i>Geranium carolinianum</i>							
Henbit	S	S	C	C	C	C	C
<i>Lamium amplexicaule</i>							
Ryegrass, Italian	S	S	S	C	C	C	C
<i>Lolium multiflorum</i>							
Speedwell, corn	S	C	C	C	C	C	C
<i>Veronica arvensis</i>							
Vetch, common	C	C	C	C	C	C	C
<i>Vicia sativa</i>							

* These rates or mixtures of rates apply only to sites where an established competitive turf is present.

RELEASE OF ACTIVELY GROWING BERMU DAGRASS

When applied as directed, this product will aid in the release of bermudagrass by providing control of annual species listed in the "Weeds Controlled" section of this and the Oust label, and suppression or partial control of certain perennial weeds.

For control or suppression of those annual species listed on this label, use 2 to 4 pints of this product as a broadcast spray in 10 to 25 gallons of spray solution per acre. Use the lower rate when treating annual weeds less than 6 inches in height (or length of runner in annual vines). Use the higher rate as plant size increases or as they approach flower or seedhead formation.

Use the higher rate of this product for partial control of the following perennial species. Use the lower rates for suppression of growth. For best results, see the "Weeds Controlled" section of this label for proper stage of growth.

(Honcho)

Bahiagrass
Paspalum notatum

Bluestem, silver
Andropogon saccharoides

Fescue, tall
Festuca arundinacea

Johnsongrass
Sorghum halepense

Trumpetcrane
Conium maculatum

Vaseygrass
Paspalum conjugatum

Suppression at higher rates only.

Control at the higher rates.

This product may be tank-mixed with Oust. If tank-mixed, use no more than 1 to 2 pints per acre of this product with 1 to 2 ounces of Oust per acre.

Use the lower rates of both products to control annual weeds less than 6 inches high (or 4 inches long for annual vines) that are listed in the Weed Control Schedule of this booklet and the Oust label. Use the higher rates as annual weeds increase in size and approach the flower or seedhead stage.

Use the higher rates of this product to provide partial control of the following perennial weeds. Use the lower rates for suppression of growth.

Bahiagrass
Paspalum notatum

Bluestem, silver
Andropogon saccharoides

Broomsedge
Andropogon virginicus

Dock, curly
Rumex crispus

Dogfennel
Amisopollis alba

Fescue, tall
Festuca arundinacea

Johnsongrass
Sorghum halepense

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Poorjoes
Diodia teres

Trumpet creeper
Campsis radicans

Vaseygrass
Paspalum hyemale

Veronica
Veronica spicata

Suppression of higher rates only

Suppression of higher rates only

Use only on well-established lawns. Severe injury may result from the herbicide. Do not apply to lawns under moist conditions. Repeat applications in the same season are not recommended, since severe injury may result.

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

COOL SEASON TURF GROWTH REGULATION

When applied as directed, this product will suppress growth and seedhead development of listed turf species in industrial sites.

This product is recommended for management of coarse turf on roadside, highway or other industrial areas where some turf discoloration can be tolerated. The turf will regrow under moist conditions. Effects of this product will not be seen on high quality turf.

Apply 1 to 6 fluid ounces of this product per acre alone or in a recommended tank mixture. Spray volumes of 20 to 40 gallons per acre are recommended.

This product can be used for growth and seedhead suppression of:

Tall fescue Bromus tectorum

For best results, apply tank mixture of recommended tank mixture to the turf in the spring or the fall. For optimum control of seedhead development, applications must be made before seedhead emergence. Applications made after seedhead emergence until maturity may result in turf discoloration or injury.

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After mowing or removal of seedheads, this product in a recommended tank mixture may also be used to suppress the growth of certain turfgrasses. Allow turf to recover from stress caused by heat, drought, or mowing before making applications. Applications made to turf under stress may increase the potential for discoloration or injury.

ANNUAL GRASSES

For growth suppression of some annual grasses such as annual ryegrass, wild barley and wild oats, apply 3 to 4 fluid ounces of this product in 10 to 40 gallons of spray solution per acre. Applications should be made when annual grasses are actively growing and before the seedheads are in the boot stage of development. Treatments made after seedhead emergence may cause injury to the desired grasses.

TANK MIXTURES

For the following tank mixtures, consult each product label for weeds controlled and the correct stage of application. Do not treat turf under stress.

Tank mixtures plus 2,4-D

For additional weed control benefits, up to 1 pound a.i. per acre of 2,4-D may be added to the following tank mixtures. Consult the label for 2,4-D for weeds controlled.

TALL FESCUE

Honcho plus Telar™

For suppression of tall fescue growth and seedheads, and control or partial control of some annual weeds, apply this tank mixture after greenup and prior to boot-to-seedhead stage of development. Use up to 1 ounce of Telar per acre.

This tank mixture can also be applied after mowing or removal of tall fescue seedheads for turf growth suppression. Make only one of the above applications per growing season.

Honcho plus Quat™

For suppression of tall fescue growth and seedheads, and control or partial control of some annual weeds, apply this tank mixture after greenup and prior to boot-to-seedhead stage of development. Use up to 1/4 ounce of Quat per acre.

Honcho plus Escort™

This tank mixture can be applied after mowing or removal of tall fescue seedheads for turf growth suppression and control or partial control of some annual weeds. Use up to 1/3 ounce of Escort per acre.

65-1111

SMOOTH BROME

Honcho plus Oust

For suppression of smooth brome growth and seedheads and control or partial control of some annual weeds, apply this tank mixture after greenup and prior to boot-to-seedhead stage of development. Use up to 1/4 ounce of Oust per acre.

*Escort and Telar are trademarks of E. I. du Pont de Nemours and Company.

BAHIAGRASS SEEDHEAD AND VEGETATIVE SUPPRESSION

When applied as directed in the indicated noncrop areas (roadsides, airports, golf course roughs, and plant sites), this product will provide significant inhibition of seedhead emergence and will suppress vegetative growth for a 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.

A tank mixture of this product plus Oust may be applied only on roadsides for seedhead inhibition and vegetative suppression. Apply 6 fluid ounces per acre of this product plus 0.25 ounce per acre of Oust, 1 to 2 weeks following an initial spring mowing. When using this product plus Oust for suppression of bahiagrass, make only one application per year.

CROPPING SYSTEMS

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.

See the 'General Information' and 'Mixing, Additives 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 30 days following application.

~~For other cropping systems, except following spot treatment in forage grasses and legumes, do not harvest or feed treated crops vegetation for 8 weeks after following application. Allow 14 days following following spot treatment or selective equipment use, allow 14 days 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 direct seeded crops or prior to transplanting of crops listed on this label.~~

ALFALFA*
 ARTICHOKE
 (Jerusalem)
 ASPARAGUS*
 ATEMOYA
 BARLEY*
 BEANS (All)
 BEET GREENS
 BEETS (Red, Sugar)
 BLACKBERRY
 BLUEBERRY
 BOYSENBERRY
 BREADFRUIT
 BROCCOLI
 CABBAGE
 CANTALOUPE
 CARAMBOLA
 CARROT
 CAULIFLOWER
 CELERY

(Honcho)

CHICORY
 CORN (All)*
 COTTON*
 CRANBERRY
 CUCUMBER***
 CURRANT
 DATES
 DEWBERRY
 EGGPLANT***
 ELDERBERRY
 FORAGE GRASSES*
 FORAGE LEGUMES*
 GARLIC***
 GOOSEBERRY
 GOURDS***
 HORSE RADISH
 HUCKLEBERRY
 JACARANDA
 JACKFRUIT
 KALE
 LENTILS
 LETTUCE
 LOGANBERRY
 LONGAN
 LYCHEE
 MELONS***
 MUSTARD GREENS
 OATS*
 OKRA
 OLALLIEBERRY
 ONION
 PARSNIPS
 PASSION FRUIT
 PEANUTS
 PEAS (All)
 PEPPER***
 PERSIMMON
 PINEAPPLE††
 POTATO (Irish, Sweet)
 PUMPKIN***
 RADISH
 RASPBERRY
 (Black, Red)
 RICE**
 RUTABAGA
 SAGE
 SARDINES
 SORGHUM (Milo)*
 SQUASH
 SOYBEANS*
 SPINACH
 SQUASH***
 (Summer, Winter)
 SUGAR APPLE
 SUGARCANE
 TANGERINE
 TOMATO***

(Honcho)

100% 100% 100%

TOMATOES***†
 TURNIPS
 WATERCRESS***
 WATERMELON***
 WHEAT*
 YAMS

- * 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 3 days between application and planting.
- † Use is restricted to direct seeded crops only.
- †† Do not feed or graze treated pineapple forage following application.

When ~~transplanting~~ ~~applying~~ this product prior to transplanting crops into plastic mulch, care must be taken to remove residues of this product from the plastic prior to transplanting. Residues can be removed by 1/2 inch natural rainfall or by applying water via a sprinkler irrigation system.

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 ~~or~~ boll opening on cotton.

For forage grasses and forage legumes, see the '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 the '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 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 recirculating sprayers, shielded applicators, or wiper applicators in cotton and soybeans. Shielded and wiper applicators may also be used in tree crops and grapes. Wiper applicators may be used in rutabagas, forage grasses and forage legumes, including pasture sites and ~~grain~~ sorghum (milo).

See the 'Selective Equipment' part of the 'Application Equipment and 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:

Cotton, Soybeans	7 days
Apples, Atemoya, Avocado, Breadfruit, Canistel, Carambola, Cherry, Citrus, Dates, Grapes, Jaboticaba, Jackfruit, Longan, Lychee, Passion Fruit, Pear, Persimmons, Rutabagas, Sapodilla, Sapote, Sourcop, Sugar apple, Tamarind	14 days
Stone Fruit	17 days
Nut Crops	21 days
Sorghum (milo)*	40 days

* Do not use roller applicators. Do not feed or graze treated milo fodder. Do not ensile treated vegetation.

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.

Postharvest - Apply this product after the last harvest and all spears have been removed. If spears are allowed to regrow, delay application until ferns 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 postharvest 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.

BERRIES AND SMALL FRUIT

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For cranberries, apply after fruit set and no later than 30 days before harvest. Wiper applicators may be used in cranberries in accordance with instructions in this section.

For other berries, apply as a preplant broadcast application, or as a directed spray or wiper application post-planting.

See the '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.

For Wick or other Wiper Applicators - Mix 1 gallon of this product in 4 gallons of water to prepare a 20 percent solution. Apply the solution to emerged weeds. Apply after cranberry fruit set and no later than 30 days before harvest.

In severe infestations, reduce equipment ground speed to insure that adequate amounts of this product are wiped on the weeds. A second treatment in the opposite direction may be beneficial.

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

FALLOW AND REDUCED TILLAGE SYSTEMS

~~FOR AERIAL APPLICATION IN CALIFORNIA, REFER TO SUPPLEMENTAL LABEL.~~

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® plus BANVEL plus** ■
NONIONIC SURFACTANT
- **HONCHO plus 2,4-D AMINE plus** ■
NONIONIC SURFACTANT
- **HONCHO plus GOAL™ plus** ■
NONIONIC SURFACTANT

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

Applications of 2,4-D or Banvel must be made at least 7 days prior to planting corn. Applications of 2,4-D must be made at least 30 days prior to planting soybeans.

The addition 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.

Honcho® plus Goal Tank Mixtures

This product alone or in tank mixtures with Goal plus ~~0.5 to 1 percent nonionic surfactant by total spray volume~~ 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.

HONCHO® 12 fluid oz/acre

HONCHO 16 fluid oz/acre

Wheat	18"*	Annual grasses at	
Barley	12"	left plus:	
Bluegrass,		Ryegrass,	
annual	6"	annual	6"
Barnyardgrass	6"	Chickweed	6"
Rye	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"

HONCHO 12 fluid oz/acre

HONCHO 16 fluid oz/acre

+
GOAL** 2 to 4 fluid oz/acre

+
GOAL** 2 to 4 fluid oz/acre

Annual grasses above
plus:

Cheeseweed	3"
Chickweed	3"
Groundsel	3"
Rocket, London	6"
Shepherdspurse	6"

Annual weeds above
plus:

Cheeseweed	6"
Groundsel	6"
Chickweed	6"
Rocket, London	12"
Shepherdspurse	12"

- 72 401
- * Maximum height or length in inches.
 - ** Use the higher rate when weeds approach maximum recommended height or stands are dense.

™Goal is a trademark of Rohm and Haas Company.

ECOFARMING SYSTEM

The Ecofarming system consists of the following rotation: winter wheat, corn/sorghum, ecofallow.

Use the following tank mixtures for control of emerged annual weeds before planting corn or sorghum in the Ecofarming system.

HONCHO® at 5 to 20 fluid ounces per acre

plus

2,4-D at 0.375 to 0.5 pound A.I. per acre

plus

ATRAZINE at 0.75 to 1 pound A.I. per acre

plus

LASSO® at 2.5 to 3 quarts per acre

The above tank mixture should be applied in 28-0-0 or 32-0-0 liquid fertilizer carrier at 20 to 30 gallons per acre. The liquid fertilizer may be diluted with water to achieve the required carrier volume.

WEEDS CONTROLLED - The following weeds, up to a maximum height of 4 inches, will be controlled:

Brome, downy

Bromus tectorum

Cheat

Bromus secalinus

Foxtail, green

Setaria viridis

Foxtail, yellow

Setaria lutescens

Kochia

Kochia scoparia

Lettuce, prickly

Lactuca scariola

Pigweed, redroot

Amaranthus retroflexus

Thistle, Russian

Salsola kali

Wheat, volunteer

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Triticum aestivum

*For improved control of kochia, add 4 fluid ounces per acre (0.125 pound a.i. per acre) of Banvel to the above tank mixture.

Risk of crop injury from 2,4-D or Banvel can be reduced by applying this treatment 7 to 14 days before planting.

Refer to the label booklet for Lasso herbicide for preemergence weed control achieved by this tank mixture.

Refer to the specific product labels for crop rotation restrictions and cautionary statements for all products used in these tank mixtures.

©Lasso is a registered trademark of Monsanto Company.

AID TO TILLAGE

This product, when used in conjunction with preplant tillage practices, will provide control of downy brome, cheat, volunteer wheat, tansy mustard and foxtail. Apply 8 fluid ounces of this product plus ~~0.5 to 1 percent nonionic surfactant by total spray volume~~ in 3 to 10 gallons of water per acre. Make applications when weeds are actively growing and before they are 6 inches in height. Application must be followed by conventional tillage practices no later than 15 days after treatment and before regrowth occurs. Allow at least 1 day after application before tillage. Tank mixtures with residual herbicides may result in reduced performance.

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.

Wiper Application - When applied as directed, this product controls or suppresses the weeds listed under "Wiper Applicators" in the "Selective Equipment" section of this label.

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

~~For spot treatment, apply in areas where the movement of domestic livestock can be controlled. No more than one tenth of 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.~~

~~Wiper Application—When applied as directed, this product controls or suppresses the weeds listed under "Wiper Applicators" in the "Selective Equipment" section of this label. For spot treatment and wiper application, apply in areas where the movement of domestic livestock can be controlled. No more than one tenth of 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.~~

SUGARCANE

When applied as directed for "Cropping Systems", under the conditions described, this product controls those emerged annual and perennial weeds listed on this label growing in or around sugarcane or in fields to be planted to sugarcane. This product will also control undesirable sugarcane.

NOTE: Where repeat treatments are necessary, do not exceed a total of 10.6 quarts of this product per acre per year. Do not apply to vegetation in or around ditches, canals or ponds containing water to be used for irrigation.

Broadcast Treatment—Apply this product in 10 to 40 gallons of water per acre on emerged weeds growing in fields to be planted to sugarcane.

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

For removal of last stubble or ratoon cane, apply 4 to 5 quarts of this product in 10 to 40 gallons of water per acre to new growth having at least 7 or more new leaves. Allow 7 or more days after application before tillage.

Spot Treatment in or Around Sugarcane Fields—For dilution and rates of application using hand-held equipment, see "Mixing, Additives and Application Instructions" and "Weeds Controlled" sections of this label.

For control of volunteer or diseased sugarcane, make a 1 percent solution of this product in water and spray to wet the foliage of vegetation to be controlled.

NOTE: When spraying volunteer or diseased sugarcane, the plants should have at least 7 new leaves.

Avoid spray contact with healthy cane plants since severe damage or destruction may result.

Do not feed or graze treated sugarcane forage following application.

~~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. For mixing instructions, see the "Mixing, Additives and Application Instructions" section of this label.~~

~~CORN~~

~~HONCHO® plus LASSO®~~

~~HONCHO plus LASSO plus ATRAZINE~~

~~HONCHO plus LASSO plus BLADEX™~~

~~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~~

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~~Annual Weeds~~ — Apply to actively growing grasses and broadleaf weeds. Use 1 quart of this product 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 this product 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 this product 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 this product 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 the "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 the "Control of Perennial Weeds" portion in the "Weeds Controlled" section of this label, and then use a label approved seedling weed control program with conventional tillage.~~

~~The following are labeled ranges for the recommended preemergence herbicides:~~

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PRODUCT	RATES/ACRE	
	(QUARTS)	(POUNDS)
Lasso	2 to 4	•
Atrazine 4L	1 to 2	•
Atrazine 80WP	•	1.25 to 2.3
Bladex 4L	1 to 2.2	•
Bladex 80WP	•	1.25 to 2.75
Simazine 4L	1 to 2.2	•
Simazine 80WP	•	1.25 to 2.75
Linuron 4L	0.5 to 1.5	•
Linuron 50WP	•	1 to 3
Lexone 4L or Gencor 4F	0.25 to 0.75	•
Lexone or Gencor 50 WP	•	0.5 to 1.55
Lexone or Gencor 75DF	•	0.33 to 1

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.

•Lasso is a registered trademark of Monsanto Company.

TMBladex and TMLexone are trademarks of E. I. du Pont de Nemours and Company.

TMGencor is a trademark of the parent company of Farbenfabriken Bayer GmbH, Leverkusen.

PREHARVEST APPLICATIONS

When applied as directed under the conditions described, this product controls annual and perennial weeds listed on this label prior to the harvest of COTTON.

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.

Broadcast Applications This product may be applied using either aerial or ground spray equipment. For ground applications with broadcast equipment, apply this product in 10 to 40 gallons of water per acre. For aerial applications, apply this product in 3 to 15 gallons of water per acre.

To control johnsongrass using multiple nozzle directed spray equipment, apply 1 quart of this product in 10 to 20 gallons of water per acre. Ensure complete coverage.

For partial control of field bindweed, apply 1 quart of this product in 3 to 40 gallons of water per acre. Apply when bindweed

(Honcho)

~~is actively growing and 12 inches or greater in length. Reduced performance may result if bindweed is under drought stress.~~

Tank Mixtures

~~HONCHO[®] plus DSP[™] 6
HONCHO plus FOLEX[™]~~

~~When applied as recommended under the conditions described, these tank mixtures control annual and perennial weeds listed on this label prior to the harvest of cotton. For application guidelines, precautions and defoliant rates, refer to the supplemental label for cotton harvest aid.~~

~~**Timing of Application** Apply this product or these tank mixtures for preharvest weed control after 60 percent of the cotton bolls have opened.~~

~~**NOTE:** DO NOT APPLY TO CROPS GROWN FOR SEED. Allow a minimum of 7 days between application and harvest.~~

~~Do not feed or graze treated cottonseed forage or hay following preharvest applications.~~

~~[™]Def is a trademark of Mobay Chemical Corporation.~~

~~[™]Folex is a trademark of Rhone-Poulenc, Inc.~~

**CONSERVATION TILLAGE, MINIMUM TILLAGE AND NO-TILL SYSTEMS
CORN AND SOYBEANS
Tank Mixtures**

~~When applied as recommended under the conditions described, the tank mixtures listed in this section control many emerged weeds, and give preemergence control of many annual weeds where 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. For mixing instructions, see the Mixing, Additives and Application Instructions section of this label.~~

~~Apply these tank mixtures in 10 to 20 gallons of water or 10 to 60 gallons of nitrogen solutions per acre before, during, or after planting. Do not apply these mixtures after crop emergence.~~

~~The addition of 1 to 2 percent dry ammonium sulfate by weight may increase the performance of this product.~~

~~**NOTE:** When using these tank mixtures, do not exceed 4 quarts of this product per acre.~~

CORN

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For residual control, this product may be tank-mixed with the following herbicides or combination of herbicides:

LASSO®/ALACHLOR	ATRAZINE
LARIAT®	BLADEX®/CYANAZINE
BULLET®	SIMAZINE
DUAL®	PROWL®
BICEP®	

For improved burndown, this product may be tank-mixed with 2,4-D or dicamba. Applications of 2,4-D or dicamba must be made at least 7 days prior to planting corn. See the "Weeds Controlled" section for specific rate information.

SOYBEANS

For residual control, this product may be tank-mixed with the following herbicides or combination of herbicides:

CANOPY®	LOROX® PLUS
COMMAND®	PREVIEW®
DUAL®	PROWL®
GEMINI®	TURBO®
LASSO®/ALACHLOR	SCEPTER®
LEXONE®	SENCOR®
LINURON	SQUADRON®

For improved burndown, this product may be tank-mixed with the following herbicides:

2,4-DB
2,4-D*

CORN AND SOYBEANS

Annual Weeds--For difficult to control weeds such as fall panicum, barnyardgrass, crabgrass, shattercane and broadleaf signalgrass up to 2 inches tall, and Pennsylvania smartweed up to 6 inches tall, apply this product at 2 pints per acre in these tank mixtures. For other labeled annual weeds, apply 1 to 1.5 pints of this product per acre when weeds are less than 6 inches tall, and 2 to 3 pints when weeds are over 6 inches tall. For a complete list of annual weeds controlled, see the "Weeds Controlled" section of this label.

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

Use of 2 to 4 quarts of this product per acre in the tank mixtures mentioned above, 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 this product alone in the late summer or fall and then follow with a label-approved, seedling weed control program at planting.

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 instructions under "Control of Perennial Weeds" section of this label, and then use a label approved seedling weed control program with conventional tillage.

*Bullet, Lasso, and Lariat are registered trademarks of Monsanto Company.

*Canopy, Bladex, Gemini, Lexone, Lorox Plus and Preview are trademarks of E. I. duPont de Nemours and Company.

*Dual is a trademark of Ciba-Geigy Corporation.

*Sencor and Turbo are trademarks of Bayer AG.

*Prowl, Scepter and Squadron are trademarks of American Cyanamid Company.

*Command is a trademark of FMC Corporation.

PREHARVEST APPLICATIONS

COTTON

When applied as directed under the conditions described, this product controls annual and perennial weeds listed on this label prior to the harvest of cotton.

Broadcast Applications--This product may be applied using either aerial or ground spray equipment. For ground applications with broadcast equipment, apply this product in 10 to 20 gallons of water per acre. For aerial applications, apply this product in 3 to 10 gallons of water per acre.

FOR AERIAL APPLICATIONS, REFER TO THE "APPLICATION EQUIPMENT AND TECHNIQUES" AND "AERIAL EQUIPMENT" SECTIONS OF THIS LABEL.

FOR AERIAL APPLICATIONS IN CALIFORNIA, REFER TO THE FEDERAL SUPPLEMENTAL LABEL FOR AERIAL APPLICATIONS IN THAT STATE FOR SPECIFIC INSTRUCTIONS, RESTRICTIONS AND REQUIREMENTS.

DO NOT EXCEED A MAXIMUM RATE OF 1 QUART PER ACRE OF THIS PRODUCT WHEN MAKING APPLICATIONS BY AIR.

Weed Control--For specific rates of application and instructions for control of various annual and perennial weeds for this product used alone or in the following tank mixtures, see the "Weeds Controlled" section of this label.

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To control johnsongrass using multiple directed or broadcast over the top spray equipment, apply 1 quart of this product in 10 to 20 gallons of water per acre. Ensure complete coverage.

For partial control of field bindweed, apply 1 quart of this product in 10 to 20 gallons of water per acre. Apply when bindweed is actively growing and 12 inches or greater in length. Reduced performance may result if bindweed is under drought stress.

TANK MIXTURES

HONCHO plus DEF

HONCHO plus FOLEX

HONCHO plus PREP

HONCHO plus PREP plus DEF or FOLEX

When applied as recommended under the conditions described, these tank mixtures control annual and perennial weeds listed on this label prior to the harvest of cotton. For application guidelines, precautions and use rates, refer to the Def, Folex and Prep labels.

This product when tank mixed with Def or Folex defolliants may provide enhancement of cotton leaf drop and regrowth inhibition.

Timing of Application--Apply this product or these tank mixtures for preharvest weed control after 60 percent of the cotton bolls have opened.

NOTE: DO NOT APPLY TO CROPS GROWN FOR SEED. Allow a minimum of 7 days between application and harvest. Do not feed or graze treated cotton forage or hay following preharvest applications.

*Def is a trademark of Mobay Chemical Company

*Folex and Prep are trademarks of Rhone-Poulenc, Inc.

TREE AND VINE CROPS

This product is recommended for weed control in established groves, vineyards, or orchards, or for site preparation prior to transplanting crops listed in this section. Applications may be made with boom equipment, CDA, shielded sprayers, hand-held and high-volume wands, lances, or orchard guns, or with wiper applicator equipment, except as directed in this section. See the "Application Equipment and Techniques" section of this label for specific information on use of equipment.

When applying this product alone, refer to the "Weeds Controlled" section of this label for recommended rates to be used.

NOTE

Repeat treatments may be necessary to control weeds originating from underground parts of untreated weeds or from seeds. This

(Honcho)

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product does not provide residual weed control. For subsequent weed control, follow a program using residual herbicides or use repeated applications of this product. Do not apply more than 10.6 quarts of this product per acre per year.

EXTREME CARE MUST BE EXERCISED TO AVOID CONTACT OF HERBICIDE SOLUTION, SPRAY, DRIFT, OR MIST WITH FOLIAGE OR GREEN BARK OF TRUNK, BRANCHES, SUCKERS, FRUIT, OR OTHER PARTS OF TREES OR VINES. CONTACT OF THIS PRODUCT WITH OTHER THAN MATURED BROWN BARK CAN RESULT IN SERIOUS CROP DAMAGE.

AVOID PAINTING OUT STUMPS WITH THIS PRODUCT AS INJURY RESULTING FROM ROOT GRAFTING MAY OCCUR IN ADJACENT TREES.

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 to the recommended 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.

- HONCHO® plus GOAL™ 1.6E •
- HONCHO plus KARMEK™ WP •
- HONCHO plus KROVAR™ I •
- HONCHO plus KROVAR™ II •
- HONCHO plus SIMAZINE, CALIBER™ 90 •
- HONCHO plus SIMAZINE 4L •
- HONCHO plus SIMAZINE 80W •
- HONCHO plus SOLICAN™ 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 •

(Honcho)

~~SURFLAN (AS or 75W)~~

~~HONCHO plus GOAL (1.6E) plus SIMAZINE
(80W, or 4L, or CALIBER 90)*~~

~~HONCHO plus GOAL (1.6E) plus
SURFLAN (AS or 75W) plus
SIMAZINE (80W, 4L, or CALIBER 90)~~

~~* See the Honcho plus Goal plus simazine tank mixture section
below for specific use instructions.~~

~~Do not apply these tank mixtures in Puerto Rico.~~

~~CONTROL OF EMERGED WEEDS~~

~~Annual Weeds Apply 1 quart per acre of this product in these tank
mixtures when weeds are less than 12 inches tall. For weeds greater
than 12 inches tall, apply 1.5 quarts per acre.~~

~~Perennial Weeds For partial control of perennial weeds using
these tank mixtures, apply 2 to 5 quarts per acre of this product.
Follow the recommendations in the "Weeds Controlled" section of
this label for stage of growth and rate of application for specific
perennial weeds.~~

~~PREEMERGENCE WEED CONTROL~~

~~The following are the labeled rates for the recommended residual
herbicides:~~

PRODUCT	RATE/ACRE
Goal 1.6E	5 qts.
Karmex WP	2 to 8 lbs.
Krovar I	2 to 8 lbs.
Krovar II	2 to 8 lbs.
Simazine, Caliber 90	1.1 to 10.6 lbs.
Simazine, 80W	1.25 to 12 lbs.
Simazine 4L	2 to 9.6 qts.
Solicam 80WP	2.5 to 5 lbs.
Surflan AS	2 to 4 qts.
Surflan 75W	2.66 to 5.33 lbs.

~~NOTE: These residual herbicides may provide postemergence activity
on certain annual weed species.~~

~~Refer to the individual product labels for specific crops,
rates, 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.~~

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

~~HONCHO® plus GOAL~~

~~This product alone and this product plus Goal tank mixtures will control or suppress annual weeds listed below.~~

~~Apply recommended rates of this product or this product 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~~

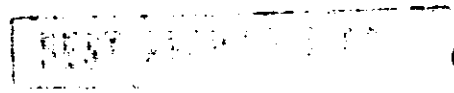
WEED SPECIES	Honcho® (fl oz/acre)			Honcho+Goal (fl oz/acre)
	C	12	16	12+(4 to 16)
Bluegrass, annual	C	C	C	C
Barley	C	C	C	C
Cheeseweed (3")	S	S	S	C
Rocket, London	S	S	C	C
Shepherdspurse	S	S	C	C
Chickweed	S	C	C	C
Fleabane, flaxleaf	S	C	C	C
Red Maids	S	C	C	C
16+(4 to 16)				
Barnyardgrass	S	C	C	C
Cheeseweed (3 to 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
Pigweed, redroot	S	S	C	C
Ryegrass, common	S	S	C	C
Sowthistle, annual	S	S	C	C
Purslane, common	S	S	C	C
Nettle, stinging	S	S	C	C
Filaree	S	S	S	S

~~HONCHO® plus GOAL plus SIMAZINE
(California only)~~

~~This product 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.~~

~~RATE RANGES*~~

(Honcho)



	HONCHO [*]	GOAL	SIMAZINE
CROP	(quarts)	(quarts)	(pounds)
Grapes	1 to 1.5	1.25 to 5	2.5 to 5
Almonds	1 to 1.5	1.25 to 5	1.25 to 2.5

Use equivalent rate of Caliber 90 or simazine 4L.

* Rate dependent on weeds present.

** Rate dependent on soil type and weeds present.

• ~~HONCHO^{*} plus GOAL plus SIMAZINE/SURFLAN~~ •

This product plus Goal, applied alone, or as a three way or four way tank mix with simazine and/or Surflan will provide postemergence control of those weeds listed below when applied as recommended.

Refer to individual product labels for preemergence rates, weeds controlled, precautionary statements and other important information.

Apply these tank mixtures in 3 to 40 gallons of water per acre.

WEEDS CONTROLLED

WEED SPECIES	Maximum Height (inches)	Honcho [*] + Goal (quarts/acre)
Barley, wild	4	0.5 to 1 + 0.5 to 5
Bluegrass, annual	4	0.5 to 1 + 0.5 to 5
Cheeseweed, common	4	0.5 to 1 + 0.5 to 5
Chickweed, common	4	0.5 to 1 + 0.5 to 5
Flaxleaf, fleabane	4	0.5 to 1 + 0.5 to 5
Groundsel, common	4	0.5 to 1 + 0.5 to 5
Rocket, London	4	0.5 to 1 + 0.5 to 5
Marestail	4	0.5 to 1 + 0.5 to 5
Pineappleweed	4	0.5 to 1 + 0.5 to 5
Shepherdspurse	4	0.5 to 1 + 0.5 to 5
Gowsthistle, common	4	0.5 to 1 + 0.5 to 5
Cheeseweed, common	12	1 to 1.5 + 1 to 5
Nettle, stinging	12	1 to 1.5 + 1 to 5
Filaree	12	1 to 1.5 + 1 to 5

TRIFOLIUM AND VINE CROPS

This product is recommended for weed control in established groves, vineyards, or orchards, or for site preparation prior to transplanting crops listed in this section. Applications may be made with boom equipment, CDA, shielded sprayers, hand-held and

(Honcho)

high-volume wands, lances, or orchard guns, or with wiper applicator equipment, except as directed in this section. See the "Application Equipment and Techniques" section of this label for specific information on use of equipment.

When applying this product, refer to the "Weeds Controlled" section of this label and to specific recommendations in this section for rates to be used.

NOTE

Repeat treatments may be necessary to control weeds originating from underground parts of untreated weeds or from seeds. This product does not provide residual weed control. For subsequent weed control, use repeated applications of this product. Do not apply more than 10.0 quarts of this product per acre per year.

EXTREME CARE MUST BE EXERCISED TO AVOID CONTACT OF HERBICIDE SOLUTION, SPRAY, DRIET, OR MIST WITH BOLLAGE OR GREEN BARK OF TRUNK, BRANCHES, SUCKERS, FRUIT, OR OTHER PARTS OF TREES OR VINES. CONTACT OF THIS PRODUCT WITH OTHER THAN MATURED BROWN BARK CAN RESULT IN SERIOUS CROP DAMAGE.

AVOID PAINTING OUT STUMPS WITH THIS PRODUCT AS INJURY RESULTING FROM ROOT GRAFTING MAY OCCUR IN ADJACENT TREES.

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 to the recommended stage for treatment.

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

MIDDLES MANAGEMENT

FOR ANNUAL WEEDS IN MIDDLES BETWEEN ROWS OF TREE AND VINE CROPS

For citrus crops treat uniformly between trees:

■	HONCHO	■
■	HONCHO Plus CORN	■

THIS PRODUCT ALONE OR IN MIXTURES WITH GOAL WILL CONTROL OR SUPPRESS THE ANNUAL WEEDS LISTED BELOW.

Apply the recommended rates of this product, either alone or in mixtures with Goal, at 10 to 20 gallons of water per acre. Apply when weeds are actively growing and less than 6 inches in height or 10-12 inches in diameter. If vines are under drought stress, irrigate prior to application. Reduced control may occur if weeds have been mowed prior to application. Up to 48 fluid ounces per acre of this product may be used to control weeds which have been mowed, are stressed, or are growing in dense populations.

WEED SPECIES	MAXIMUM	RATE PER ACRE	
	HEIGHT/DIAMETER (INCHES)	HONCHO (FLUID OUNCES)	GOAL (FLUID OUNCES)

Barley	6	8	
<i>Hordeum vulgare</i>			
Bluegrass, annual			
<i>Poa annua</i>			

Barbaryardgrass	6	16	
<i>Echinochloa crusgalli</i>			
Chickweed, common			
<i>Stellaria media</i>			
Red Maize			
<i>Calandrinia canadensis</i>			

Crabgrass	6	16	
<i>Digitaria spp.</i>			OR
Fleabane, flaxleaf			
<i>Conyza bonariensis</i>			
Groundsel, common			
<i>Senecio vulgaris</i>		16 to 32	+ 4 to 16**
Junglerice			
<i>Echinochloa colonum</i>			
Lambsquarters, common			
<i>Chenopodium album</i>			
Pigweed, redroot			
<i>Amaranthus retrofractus</i>			
Rocket, London			
<i>Sisymbrium irio</i>			
Ryegrass, common			
<i>Lolium multiflorum</i>			
Shepherdspurse			
<i>Capsella bursa-pastoris</i>			
Southistle, annual			
<i>Sonchus oleraceus</i>			

Chickweed, common		12 to 16	4 to 16
<i>Malva spp.</i>			

Chickweed, common		16 to 32	4 to 16
<i>Malva spp.</i>			
Pilewort			
<i>Plantago spp.</i>			
Horsetail, horsetail			
<i>Equisetum canadense</i>			
Nettle, stinging			
<i>Urtica dioica</i>			
Purslane, common			
<i>Portulaca oleracea</i>			

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* Suppression only

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**The mixture of this product plus Goal is recommended when weeds are stressed or growing in dense populations.

STRIPS

FOR ANNUAL AND PERENNIAL WEEDS IN STRIPS OF TREE AND VINE CROPS

TANK MIXTURES WITH RESIDUAL HERBICIDES

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

HONCHO plus GOAL (1.6E)

HONCHO plus KARNEX 30F

HONCHO plus KROVAR I

HONCHO plus KROVAR II

HONCHO plus SIMAZINE,
PRINCEP CALIBER 90

HONCHO plus SIMAZINE 4L

HONCHO plus SIMAZINE 80W

HONCHO plus SOLICAM 80DF

HONCHO plus SURFLAN AS

HONCHO plus SURFLAN 75W

HONCHO plus SIMAZINE
(80W, or 4L, or PRINCEP 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 PRINCEP CALIBER 90)

HONCHO plus GOAL (1.6E)
plus SURFLAN (AS or 75W)
plus SIMAZINE (80W, 4L,
or PRINCEP CALIBER 90)

Do not apply these tank mixtures in Puerto Rico.

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Refer to the individual product labels for specific crops, rates, 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.

*Karmex is a trademark of E.I. duPont de Nemours and Company.

RECOMMENDED RATES

Annual Weeds - Apply 1 to 5 quarts per acre of this product in these tank mixtures. Use rates at the higher end of the recommended range when weeds are stressed, growing in dense populations or are greater than 12 inches tall.

Perennial Weeds - Apply 1 pint to 5 quarts per acre of this product in these tank mixtures to control or suppress perennial weeds. Follow the recommendations in the "Weeds Controlled" section of this label for stage of growth and application rates for specific perennial weeds.

* HONCHO® plus GOAL plus SIMAZINE/SURFLAN *

This product plus low rates of Goal in three-way or four-way mixtures with simazine and/or Surflan will provide postemergence control of the weeds listed below.

Refer to the individual simazine and Surflan labels for preemergence rates, weeds controlled, precautionary statements and other important information.

Apply 1 to 5 quarts per acre of this product plus 4 to 48 fluid ounces per acre of Goal plus labeled rates of simazine and/or Surflan in 3 to 40 gallons of water per acre to control the following weeds:

- Barley, wild
Hordeum leporinum
- Bluegrass, annual
Poa annua
- Cheeseweed, common
Malva spp.
- Chickweed, common
Stellaria media
- Filaree
Erodium spp.
- Fleabane, black
Conyza bonariensis
- Groundsel, common
Senecio vulgaris
- Horseweed/Marestail
Conyza canadensis
- Nettle, stinging
Urtica dioica
- Pineappleweed
Matricaria matricariodes
- Rocket, London

(Honcho)

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Sisymbrium irio
Shepherdspurae
Capsella bursa-pastoris
Sowthistle, annual
Sonchus oleraceus

Use a minimum of 1.5 quarts of this product in these mixtures.

NOTE: This recommendation does not preclude the use of Goal in these mixtures at higher, labeled rates for preemergence weed control.

■ PERENNIAL GRASS SUPPRESSION ■
ORCHARD FLOORS

When applied as directed, this product will suppress vegetative growth as indicated below.

Bahiagrass

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 green-up or after mowing to a uniform height of 3 to 4 inches. Applications must be made prior to seedhead 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 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 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.

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Suppression only - (west of the Rocky Mountains). Apply 16 fluid ounces of this product in 3 to 10 gallons 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 suppression of tall fescue, fine fescue, orchardgrass and quackgrass, apply 8 fluid ounces of this product in 10 to 20 gallons of water per acre. For best suppression, add ammonium sulfate to the spray solution at a rate of 2 percent by weight or 17 pounds per 100 gallons of spray solution.

For suppression of Kentucky bluegrass covers, apply 6 fluid ounces of this product per acre. Do not add ammonium sulfate.

For best results, mow cool-season grass cover in the spring to even the height and apply the recommended rate of this product 3 to 4 days after mowing. Avoid treating cool-season grass covers under poor growing conditions, such as drought stress (drip irrigation), disease or insect damage.

LOW-VOLUME APPLICATION (Florida and Texas)

For burndown or control of ~~listed perennial the weeds, listed~~ apply the recommended rate of this product ~~plus 0.5 to 1 percent nonionic surfactant by total spray volume~~ in 3 to 20 ~~30~~ gallons of water per acre. Where weed foliage is dense, use 10 to 20 ~~30~~ gallons of water per acre. ~~Apply when weeds are actively growing and at the growth stages listed in the "Perennial Weeds Controlled" section of this label. If perennial weeds are mowed, allow weeds to regrow to the recommended stage of growth.~~

Annual Weeds

Goatweed—Apply 2 to 3 quarts per acre of this product plus 17 pounds of ammonium sulfate per 100 gallons of water. Apply in 20 to 30 gallons of water per acre when plants are actively growing. Use 2 quarts per acre when plants are less than 8 inches tall and 3 quarts per acre when plants are greater than 8 inches. If goatweed is greater than 8 inches, the addition of Krovar II or Karmax may improve control. Use labeled rates for these residual products.

Read and carefully observe the label claims, cautionary statements, rates and all other information on the Krovar II and Karmax labels.

Perennial Weeds

Apply when weeds are actively growing and at the growth stages listed in the "Perennial Weeds Controlled" section of this label. If perennial weeds are mowed, allow weeds to regrow to the recommended stage of growth.

(Honcho)

S=Suppression, B=Burndown, C=Control,
PC=Partial control

WEED SPECIES	HONCHO® RATE PER ACRE			
	1 qt	2 qt	3 qt	5 qt
Bermudagrass	B	•	PC	C
Guineagrass				
Texas and Florida Ridge	B	C	C	C
Florida Flatwoods	•	B	C	C
Paragrass	B	C	C	C
Torpedograss	S	•	PC	C

- *Caliber is a trademark of Ciba-Geigy Corporation.
- *Goal is a trademark of Rohm and Haas Company.
- *Karmex and Krovar are trademarks of E. I. du Pont de Nemours and Company.
- *Solicam is a trademark of Sandoz, Inc.
- *Surflan is a trademark of Elanco Products Company.

TREE CROPS

Citrus*: citron, grapefruit, kumquat, lemon, lime, orange, pummelo, tangelo, tangerine, tangora

Nuts**: almond, chestnut, filbert, macadamia, pecan, pistachio, walnut.

Pome Fruit*: apple, pear.

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Stone Fruit***: apricots, cherries, nectarines, olives, peaches, plums/prunes.

For cherries, any application equipment listed in this section may be used in all states.

For citron and olives, apply as a directed spray only.

Any application equipment listed in this section may be used in apricots, nectarines, peaches, and plums/prunes growing in Arizona, California, Colorado, Idaho, Kansas, Kentucky, New Jersey, North Dakota, Oklahoma, Oregon, Texas, Utah, and Washington, except for peaches grown in the states specified in the following paragraph. In all other states use wiper equipment only.

For PEACHES grown in Alabama, Arkansas, Florida, Georgia, 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

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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, atemoya*, avocado*, banana (plantains), breadfruit*, canistel*, carambola*, coffee****, dates*, figs*, guava, jaboticaba*, jackfruit*, longan*, lychee*, mango*, papaya, passion fruit*, persimmons*, sapodilla, sapote, soursop, sugar apple*, tamarind, 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.

~~**Tropical Fruit:** acerola, avocado*, 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.

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

***Allow a minimum of 17 days between last application and harvest.

****Allow a minimum of 28 days between last application and harvest.

VINE CROPS

Kiwi Fruit

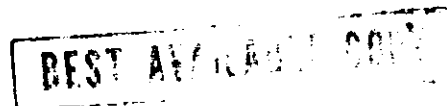
Grapes: Any variety of table, wine, or raisin grape may be treated with any equipment listed in this section.

In the northeast and Great Lakes regions, applications must be made prior to the end of bloom stage of grapes to avoid injury.

NOTE:

Applications should not be made when green shoots, canes, or foliage are in the spray zone.

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



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Product protected by
U.S. Pat. No. 4,405,531.
Other patents pending.
No license granted under any non-U.S. patent(s).

EPA Reg. No. 524 326

892.67-000.14X/53

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.

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SUPPLEMENTAL LABELING

READ AND FOLLOW THE ENTIRE LABEL FOR ACCORD® HERBICIDE AND ARSENAL™ APPLICATORS CONCENTRATE BEFORE PROCEEDING WITH THE USE DIRECTIONS CONTAINED IN THIS SUPPLEMENTAL LABELING. "Label" as used in this supplemental labeling refers to the label booklet for Accord and this supplement.

accord®

HERBICIDE

by **Monsanto**

(EPA Reg. No. 524-326)

TANK MIXTURES OF ACCORD HERBICIDE PLUS ARSENAL
APPLICATORS CONCENTRATE FOR FORESTRY SITE PREPARATION
PRIOR TO PLANTING ~~LOBLOLLY PINE~~ **(B)**

Keep out of reach of children.

CAUTION!

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

Accord® 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 the labeling.

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

FORESTRY SITE PREPARATION

TANK MIXTURE of ACCORD plus ARSENAL

Use as a site preparation treatment for forestry sites being planted to loblolly pine. **(A)**

NOTE: This product requires use with a nonionic surfactant. When using this product, mix 2 or more quarts of a nonionic surfactant per 100 gallons of spray solution. Always read and follow the surfactant manufacturer's label recommendations.

(C) Apply 2 to 6 quarts of this product with up to 4 pint of Arsenal Applicators Concentrate in 10 to 60 gallons of water per acre as a broadcast spray to woody brush, trees and herbaceous weeds after full leaf expansion until initiation of fall leaf color.

The lower tank mixture rates will provide acceptable herbaceous and woody brush and tree control for most forestry sites. Use the higher recommended rates for dense, tough-to-control woody brush and trees.

The tank mixture may be applied by ground or aerial application. When applied by ground, use the recommended rate in 10 to 60 gallons of spray solution per acre. When applied by air (helicopter only), use the recommended rates in 5 to 15 gallons of spray solution per acre. **(D)**

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

When used in combination as recommended by Monsanto Company, the liability of Monsanto shall in no manner extend to any damage, loss or injury not directly caused by the inclusion of the Monsanto product in such combination use.

Read "LIMIT OF WARRANTY AND LIABILITY" in the label booklet for Accord before using this product. Those terms apply to this supplemental labeling and, if those terms are not acceptable, return the product unopened at once.

Arsenal™ is a trademark of American Cyanamid Company.

MAP-2934-1/30/88

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