

201-4117 100 15

FRONT AND BACK PANEL

ACCEPTED
OCT 10 1989
Under the Federal Insecticide
Fungicide and Rodenticide Act,
registered under
EPA Reg. No. 524-1433

MON 14415

HERBICIDE BY **Monsanto**

Ca.efully follow detailed instructions in attached label booklet.

Read the entire label before using this product.

Use only according to label instructions.

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

REFORMULATION OR REPACKAGING IS PROHIBITED.

Keep out of reach of children.

WARNING! Read precautions on side panel.

¡CUIDADO! Si usted no le ingles, no use este producto hasta que el etiqueta haya sido explicado amplemente.

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

ACTIVE INGREDIENT:

*Glyphosate, N-(phosphonomethyl)glycine,

in the form of the monoammonium salt 28.7%

INERT INGREDIENTS: 71.3%
100.0%

* Contains 329 grams per litre or 2.75 pounds per U.S. gallon of glyphosate in the form of the monoammonium salt. Equivalent to 299 grams per litre or 2.50 pounds per U.S. gallon of the acid, glyphosate.

NET 2.5 GAL

EPA Reg. No. 524-100X

EPA Est. 100X-100X-XX

397-28-000-02

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SPOUT SIDE PANEL

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

WARNING!

CAUSES SUBSTANTIAL BUT TEMPORARY EYE INJURY.

HARMFUL IF SWALLOWED OR INHALED.

Do not get in eyes, on skin or on clothing. Do not rub eyes with hands.

Wear goggles or a face shield, chemical resistant gloves and long sleeved shirt, long legged pants.

See the "PERSONAL PROTECTIVE EQUIPMENT" and "REENTRY" sections under DIRECTIONS FOR USE in the attached booklet.

Avoid breathing vapor or spray mist.

Wash thoroughly with soap and water after handling.

FIRST AID: IF IN EYES, immediately flush with plenty of water for at least 15 minutes. Get medical attention. Remove material from skin and clothing.

IF INHALED, remove individual to fresh air. Seek medical attention if breathing difficulty develops.

IF SWALLOWED, this product will cause gastrointestinal tract irritation. Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. Get medical attention.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

On or in farms, forests, nurseries, or greenhouses, use only in accordance with Part 170 of Title 40, Code of Federal Regulations, EPA regulations for the protection of agricultural workers and pesticide handlers. These regulations are part of the labeling of this product and should be obtained by the user. Some states have more restrictive worker protection requirements; consult your State agency responsible for pesticide regulations for information on you State's requirements.

In case of an emergency involving this product Call Collect, day or night, (314) 684-4000.

Environmental Hazards

Do not apply directly to water or wetland (swamps, bogs, marshes or potholes). Do not contaminate water when disposing of equipment washwaters.

Physical or Chemical Hazards

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

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

DIRECTIONS FOR USE

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

Storage and Disposal

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

DISPOSAL:

Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, state or local procedures.

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

Do not reuse container. Triple rinse container, then puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

(See label booklet for Complete Directions for Use)

HANDLE SIDE PANEL

LIMIT OF WARRANTY AND LIABILITY

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

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

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

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

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

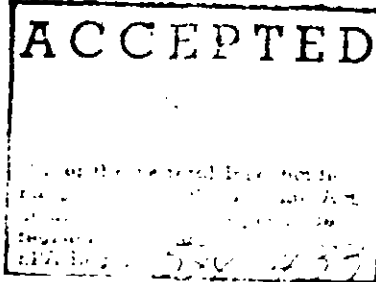
Product protected by U.S. Pat. Nos. 3,799,758 and 4,405,531. Other patents pending. No license granted under any non U.S. patent.

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



087: 0144



SUPPLEMENTAL LABELING

MON-14415 Herbicide by Monsanto

EPA Reg. No. 524-

For Aerial Application in Fallow and Reduced Tillage Systems,
Prior to Crop Emergence, in California Only.

READ THE ENTIRE LABEL BOOKLET FOR MON-14415 BEFORE PROCEEDING
WITH THE USE DIRECTIONS CONTAINED IN THIS SUPPLEMENTAL
LABELING.

"Label" as used in this supplemental labeling refers to the
label booklet for MON-14415 and this supplement.

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.

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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 MON-14415 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.

This product does not provide residual weed control; therefore, delay herbicide application until maximum emergence of annual weeds, but before weeds are greater than 6 inches tall. Reduced control may be observed when application is made to weeds which have been cut to less than 6 inches in height.

Nonionic surfactants which are labeled for use with herbicides may be used to improve wetting of foliage.

Add a nonionic surfactant labeled for use with herbicides at 0.5 to 1 percent by total spray volume. Use the 0.5 percent surfactant concentration when using surfactants which contain at least 50 percent active ingredient or a 1 percent surfactant concentration for those surfactants containing less than 50 percent active ingredient.

Do not reduce rates of MON-14415 when adding surfactant. Read and carefully observe surfactant rates, cautionary statements, and other information appearing on the surfactant label.

Avoid spraying when weeds are subject to moisture stress, when dust is on the foliage, or when straw canopy cover the weeds.

This product may be applied using aerial spray equipment for weed control on fallow lands or small-grain stubble. See the "Aerial Equipment" section of the label for instructions.

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Mixing Instructions: Fill spray tank with the required amount of water. Add the proper amounts of this product and surfactant, and mix well before using.

For control of emerged annual and perennial weeds, refer to the "Weeds Controlled" section of the label for MON-14415 for specific use rates, weed growth stages, and other instructions. Do not exceed a maximum rate of 38 ounces of this product per acre when making applications by air.

AERIAL EQUIPMENT

Use the recommended rates of this herbicide in 3 to 15 gallons of water per acre.

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

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

Use the following guidelines when aerial applications are made near crops or desirable vegetation that is perennial, after bud break and before total leaf drop, and/or near other desirable vegetation or annual crops.

1. Do not apply within a minimum of 100 feet from all desirable vegetation or crop(s).
2. If wind up to 5 miles per hour is blowing toward desirable vegetation or crop(s), do not apply within a minimum of 500 feet of the desirable vegetation or crop(s).
3. Winds blowing from 5 to 10 miles per hour toward desirable vegetation or crop(s) may require buffer zones in excess of the 500-foot minimums.
4. Do not apply when winds are in excess of 10 miles per hour or when inversion conditions exist.

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.

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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.

Read "LIMIT OF WARRANTY" in the label booklet 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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In case of an emergency involving this product, Call Collect, day or night (314) 694-4000.

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

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MON-14415

HERBICIDE BY MONSANTO

Complete Directions for Use

EPA Reg. No. 524-

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

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

USE THESE CONVENIENT SECTION MARKERS.

GENERAL INFORMATION

MIXING, ADDITIVES, AND APPLICATION
INSTRUCTIONS

WEEDS CONTROLLED

CROPPING SYSTEMS

MINIMUM TILLAGE

TREE AND VINE CROPS

ACCEPTED
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Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 524-433

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Read the entire label before using this product.

Use only according to label instructions.

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

LIMIT OF WARRANTY AND LIABILITY

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

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

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

THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE LIMIT OF THE LIABILITY OF THIS COMPANY OR ANY OTHER SELLER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT (INCLUDING CLAIMS BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY, OTHER TORT OR OTHERWISE) SHALL BE THE PURCHASE PRICE PAID BY THE USER OR BUYER FOR

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THE QUANTITY OF THIS PRODUCT INVOLVED, OR, AT THE ELECTION OF THIS COMPANY OR ANY OTHER SELLER, THE REPLACEMENT OF SUCH QUANTITY OR, IF NOT ACQUIRED BY PURCHASE, REPLACEMENT OF SUCH QUANTITY. IN NO EVENT SHALL THIS COMPANY OR ANY OTHER SELLER BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES.

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

PRECAUTIONARY STATEMENTS

Hazards to
Humans and Domestic Animals

Keep out of reach of children.

WARNING!

CUIDADO! Si usted no lee ingles, no use este producto hasta que el etiqueta haya sido explicado ampliamente.

CAUSES SUBSTANTIAL BUT TEMPORARY EYE INJURY.

HARMFUL IF SWALLOWED OR INHALED.

Do not get in eyes, on skin or on clothing. Do not rub eyes with hands.

Wear goggles or a face shield, chemical resistant gloves and long sleeve shirt, long legged pants.

See the "PERSONAL PROTECTIVE EQUIPMENT" and "REENTRY" sections under DIRECTIONS FOR USE in this booklet.

Avoid breathing vapor or spray mist.

Wash thoroughly with soap and water after handling.

FIRST AID: IF IN EYES, immediately flush with plenty of water for at least 15 minutes. Get medical attention. Remove material from skin and clothing

IF INHALED, remove individual to fresh air. Seek medical attention if breathing difficulty develops.

IF SWALLOWED, this product will cause gastrointestinal tract irritation. Drink promptly a large quantity of milk, egg whites, gelatin

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solution, or if these are not available, drink large quantities of water. Avoid alcohol. Get medical attention

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

On or in farms, forests, nurseries or greenhouses, use only in accordance with Part 170 of Title 40, Code of Federal Regulations, EPA regulations for the protection of agricultural workers and pesticide handlers. These regulations are part of the labeling of this product and should be obtained by the user. Some States have more restrictive worker protection requirements; consult your State agency responsible for pesticide regulation for information on your State's requirements.

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

Environmental Hazards

Do not apply directly to water or wetland (swamps, bogs, marshes or potholes). Do not contaminate water when disposing of equipment washwaters.

Physical or Chemical Hazards

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

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

ACTIVE INGREDIENT:

*Glyphosate, n-(phosphonomethyl) glycine in the form of the monoammonium salt...28.7%
INERT INGREDIENTS:.....71.3%

100.0%

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*contains 329 grams per litre or 2.75 pounds per U.S. gallon of glyphosate in the form of the mono ammonium salt. Equivalent to 299 grams per litre or .50 pounds per U.S. gallon of the acid, glyphosate.

Product protected by:
U.S. Pat. No 3,799,758 and
U.S. Pat. No. 4,405,531.
Other patents are pending.

No license granted under any non-U.S. patent.

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

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.

STORAGE AND DISPOSAL

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

STORAGE:

STORE ABOVE 32 °F to keep product in solution. If crystals form, place in a warm room (72 °F), allow the product to reach room temperature and shake periodically until crystals have dissolved. Keep container closed to prevent spills and contamination.

DISPOSAL:

Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, state or local procedures.

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

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destroyed.

Do not reuse container. Triple rinse container, then puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Do not rub eyes with hands. If you feel sick in any way, STOP work and get help right away. See First Aid section.

WEAR THE FOLLOWING PROTECTIVE CLOTHING WHEN HANDLING DURING MIXING AND LOADING THE CONCENTRATE: goggles or a face shield, chemical resistant gloves and long sleeve shirt, long legged pants.

Protective clothing is recommended during application, equipment repair, cleaning, disposal of the pesticide spray solution, and during reentry to treated areas before the spray has dried.

During application from a tractor with a completely enclosed cab or aerially with an enclosed cockpit, the protective clothing is waived.

IMPORTANT! Before removing gloves, wash them with soap and water. Always wash hands, face, and arms with soap and water before smoking, eating, drinking, or toileting.

AFTER WORK, wash protective clothing and equipment with soap and water after each use. Personal clothing worn during use should be laundered separately from household articles. CLOTHING OR PROTECTIVE EQUIPMENT HEAVILY CONTAMINATED OR DRENCHED WITH THIS PRODUCT MUST BE DISPOSED OF IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS.

REENTRY

Do not enter or allow entry into treated areas until sprays have dried to perform hand labor tasks. A person may enter the area to perform other tasks only if the person is wearing the PPE listed on the label for a pesticide handler.

After sprays have dried, do not enter or allow entry into the treated area until the reentry interval has expired, unless the person entering the treated area is wearing the PPE listed on the label for early reentry.

The Reentry Interval (REI) shall be 24 hours for this

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product based upon the acute toxicity of the active ingredient.

Workers reentering treated areas after sprays have dried and before the expiration of the REI should wear goggles or a face shield as PPE.

GENERAL INFORMATION

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

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

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

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

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

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

Reduced control may result when applications are made to annual or perennial weeds that have been mowed, grazed, 019 0144

or cut, and have not been allowed to regrow to the recommended stage for treatment.

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

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

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

For best results, spray coverage should be uniform and complete. Do not spray weed foliage to the point of runoff.

Do not apply this product in a way that will contact unprotected workers, either directly or through drift. Only protected handlers may be in the area during application.

When this product is tank mixed with other pesticides, use the most restrictive PPE, longest REI and appropriate posting requirements specified on the labels.

Keep people and pets off treated areas until spray solution has dried.

DOMESTIC ANIMALS: This product is considered to be relatively nontoxic to dogs and other domestic animals. However, ingestion of this product or large amounts of freshly sprayed vegetation may result in temporary gastro-intestinal irritation (vomiting, diarrhea, colic, etc.). If such symptoms are observed, provide the animal with plenty of fluids to prevent dehydration. Call a veterinarian if symptoms persist for more than 24 hours.

ATTENTION

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

Do not allow the herbicide solution to mist, drip, drift, or splash onto desirable vegetation since minute

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

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

MIXING, ADDITIVES AND APPLICATION INSTRUCTIONS

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

MIXING

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

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

TANK MIXTURES

Always predetermine the compatibility of labeled tank mixtures of this product with water carrier by mixing

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small proportional quantities in advance.

Mix labeled tank mixtures of MON-14415 herbicide with water as follows:

1. Place a 20 to 35 mesh screen or wetting basket over filling port.
2. Through the screen, fill the sprayer tank one-half full with water and start agitation.
3. If ammonium sulfate is used (optional) add it before adding this product.
4. If a wettable powder is used, make a slurry with the water carrier, and add it SLOWLY through the screen into the tank. Continue agitation.
5. If a flowable formulation is used, pre-mix one part flowable with one part water. Add diluted mixture SLOWLY through the screen into the tank. Continue agitation.
6. If an emulsifiable concentrate formulation is used, pre-mix one part emulsifiable concentrate with two parts water. Add diluted mixture slowly through the screen into the tank. Continue agitation.
7. Continue filling the sprayer tank with water and add the required amount of this product near the end of the filling.
8. Where nonionic surfactant is recommended, add this to the spray tank before completing the filling process.
9. Add individual formulations to the spray tank as follows: wettable powder, flowable, emulsifiable concentrate, drift control additive, ammonium sulfate, water soluble liquid followed by surfactant.

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

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

Under some circumstances the use of various additives may improve the performance of this product or reduce off-target drift. These circumstances may include environmental stress, mixing with hard water or conditions that favor drift.

SURFACTANTS

Nonionic surfactants which are labeled for use with herbicides may be used. Do not reduce rates of this product when adding surfactant. When adding additional surfactant or label instructions require the use of additional surfactant, use 0.5 percent surfactant concentration (2 quarts per 100 gallons of spray solution) when using surfactants which contain at least 50 percent active ingredient or a 1 percent surfactant concentration (4 quarts per 100 gallons of spray solution) for those surfactants containing less than 50 percent active ingredient. Read and carefully observe surfactant cautionary statements and other information appearing on the surfactant label.

AMMONIUM SULFATE

The addition of 2 percent dry ammonium sulfate by weight or 17 pounds per 100 gallons of water may increase the performance of this product and this product plus 2,4-D amine or Banvel™ tank mixtures on annual and perennial weeds. The improvement in performance may be apparent where environmental stress is a concern. Low-quality ammonium sulfate may contain material that will not readily dissolve which could result in nozzle tip plugging. To determine quality, perform a jar test by adding 1/3 cup of ammonium sulfate to 1 gallon of water and agitate for 1 minute. If undissolved sediment is observed, predissolve the ammonium sulfate in water and filter prior to addition to the spray tank. If ammonium sulfate is added directly to the spray tank, add slowly with agitation. Adding too quickly may clog outlet lines. Ensure that ammonium sulfate is completely dissolved in the spray tank before adding herbicides or surfactant. Thoroughly rinse the spray system with clean water after use to reduce corrosion.

NOTE: The use of ammonium sulfate as an additive does not preclude the need for additional surfactant. Do not reduce rates of this product when adding ammonium sulfate.

*Banvel is a trademark of Sandoz, Inc.

COLORANTS OR DYES

Agriculturally approved colorants or marking dyes may be added to this product. Colorants or dyes used in spray solutions of this product may reduce performance,

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especially at lower rates or dilutions. Use colorants or dyes according to the manufacturer's recommendations.

BUFFERS/ACIDIFIERS

Agriculturally approved buffers and acidifiers may be used with this product. When using these products, add the recommended amount specified on the product label before adding this product. Do not reduce rates of this product when adding a buffer or acidifier.

SPRAY VOLUME

Apply the recommended rate of this product in 3 to 40 gallons of water per acre unless otherwise specified on this label. Ensure uniform and adequate coverage. If necessary, increase water volume within the recommended range. Application of this product in more than 40 gallons of water per acre may decrease performance.

NOTE: Spray volume may influence performance of this product. For the best results, use the lowest water volume that ensures uniform and adequate spray coverage to emerged weeds.

**APPLICATION EQUIPMENT
AND TECHNIQUES**

Do not apply this product through any type of irrigation system.

This product may be applied with the following application equipment:

Aerial--Fixed Wing and Helicopter

Broadcast Spray

Controlled Droplet Applicator (CDA)--Hand-held or boom-mounted applicators which produce a spray consisting of a narrow range of droplet sizes.

Hand-held and High-Volume Spray Equipment--Knapsack and backpack sprayers, pump-up pressure sprayers, handguns, handwands, lances and other hand-held spray equipment used to direct the spray onto weed foliage and vehicle mounted high-volume spray equipment for spray-to-wet applications.

Selective equipment--Recirculating sprayers, shielded sprayers and wiper applicators.

See the appropriate part of this section for specific

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rates of application and instructions.

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AERIAL EQUIPMENT

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Use the recommended rates of this product in 3 to 15 gallons of water per acre unless otherwise specified on this label. See the "WEEDS CONTROLLED" section of this label for specific rates. Unless otherwise specified, do not exceed the 38 ounce rate of this product. (Aerial applications of this product may be made in annual cropping conventional tillage systems, fallow and reduced tillage systems, and preharvest. Refer to the individual use area sections of this label for recommended volumes and rates.) FOR AERIAL APPLICATIONS IN CALIFORNIA, REFER TO THE FEDERAL SUPPLEMENTAL LABEL FOR AERIAL APPLICATIONS IN THAT STATE FOR SPECIFIC INSTRUCTIONS, RESTRICTIONS AND REQUIREMENTS.

Avoid direct application to any body of water.

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

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

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

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.

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BROADCAST EQUIPMENT

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For control of annual or perennial weeds listed on this

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to 2½ percent solution on harder to control perennials, such as bermudagrass, dock, field bindweed, hemp dogbane, milkweed and Canada thistle.

Less than complete coverage of weeds may result from the use of spray equipment designed for motorized spot treatments. Where less than complete coverage of annual weeds occurs, use a 6 percent solution. Do not reduce recommended concentrations of this product when adding surfactant.

Prepare the desired volume of spray solution by mixing the amount of this product in water as shown in the following table:

 AMOUNT OF MON-14415

DESIRED VOLUME	1/2%	1%	1½%	2%	5%
25 gallons	1 pt.	1 qt.	1½ qt.	2 qt.	5qt.
50 gallons	1 qt.	2 qt.	3 qt.	1 gal.	2½gal.
100 gallons	2 qt.	1 gal.	1-½ gal.	2 gal.	5 gal.

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

For hand-held WIPER APPLICATORS, see the "Selective Equipment" section and, for hand-held CONTROLLED DROPLET APPLICATORS, see the "Controlled Droplet Applicator (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.

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

AVOID CONTACT WITH DESIRABLE VEGETATION

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

Applications made above the crops should be made when the weeds are a minimum of 6 inches above desirable vegetation. Better results may be obtained when more of the weed is exposed to the herbicide solution. Weeds not contacted by the herbicide solution will not be affected. This may occur in dense clumps, severe infestations, or when

the height of the weeds varies so that not all weeds are contacted. In these instances, repeat treatment may be necessary.

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

NOTE

- † Maintain equipment in good operating condition. Avoid leakage or dripping onto desirable vegetation.
- † Adjust height of applicator to insure adequate contact with weeds.
- † Keep nozzle tips and wiping surfaces clean.
- † Keep spray patterns aligned into recovery chamber of the recirculating sprayer.
- † Keep shields on shielded applicators adjusted to protect desirable vegetation.
- † Maintain recommended roller RPM on roller applicators while in use.

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- ± Keep wiper material at proper degree of saturation with herbicide solution.
- ± DO NOT use wiper equipment when weeds are wet.
- ± DO NOT operate equipment at ground speeds greater than 5 mph. Weed control may be affected by speed of application equipment. As weed density increases, reduce equipment ground speed to insure good coverage of weeds.
- ± Be aware that on sloping ground the herbicide solution may migrate, causing dripping on the lower end and drying on the upper end of a wiper applicator.
- ± Variation in equipment design may affect weed control. With wiper applicators, the wiping material and its orientation must allow delivery of sufficient quantities of the recommended herbicide solution directly to the weed.
- ± 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) determine 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 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.

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Annual Grasses--To control the following weeds, mix in a ratio of 77 ounces of this product in 20 gallons of water and apply as directed:

Corn	Shattercane
Zea mays	Sorghum bicolor

SHIELDED APPLICATORS

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

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

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

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saturation. Better results may be obtained if two applications are made in opposite directions.

Do not add surfactant to the herbicide solution.

For Roller Applicators--Mix 9 to 10 pints of this product in enough water to prepare 10 gallons of herbicide solution. Apply this solution to perennial weeds or annual broadleaf weeds listed in this "Wiper Applicators" section.

Mix 9 to 10 pints of this product in enough water to provide 20 gallons of herbicide 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 9 to 10 pints of this product in 2 gallons of water to prepare a 36 to 39 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

Starbur, bristly
Acanthospermum
hispidum

Spanishneedles
Bidens bipinnata

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When applied as recommended under the conditions described for "Wiper Applicators", this product

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SUPPRESSES the following weeds:

ANNUAL BROADLEAVES

Beggarweed, Florida
Desmodium
tortusum

Ragwood, giant
Ambrosia trifida

Dog fennel
Eupatorium
capillifolium

Sunflower
Helianthus annus

Thistle musk
Carduus nutans

Pigweed, redroot
Amaranthus
retroflexus

Velvetleaf
Abutilon theophrasti

Ragweed common
Ambrosia artemisiifolia

PERENNIAL GRASSES

Bermudagrass
Cynodon dactylon

Smutgrass
Sporobolus poiretii

Guineagrass
Panicum maximum

Vaseygrass
Paspalum urvillei

Johnsongrass
Sorghum halepense

PERENNIAL BROADLEAVES

Dogbane, hemp
Apocynum cannabinum

Nightshade silverleaf
Solanum elaeagnifolium

Milkweed
Asclepias syriaca

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

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6 inches or less in height.

- ‡ To prevent seed production, applications should be made prior to seedhead formation.
- ‡ This product does not provide residual control; therefore, delay application until maximum weed emergence. Repeat treatments may be necessary to control later germinating weeds.

LOW-VOLUME BROADCAST APPLICATION
(LOW-RATE TECHNOLOGY)

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

1. Water carrier volumes are 3 to 10 gallons per acre for ground applications and 3 to 5 gallons per acre for aerial applications. (See the "Aerial Application" section of this label for approved sites.)
2. A nonionic surfactant is added at 0.5 to 1 percent by total spray volume.

NOTE

- ‡ The addition of 2 percent dry ammonium sulfate by weight or 17 pounds per 100 gallons of water may increase the performance of this 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	RATE PER ACRE**
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Foxtails

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Setaria spp.	12"	10 oz.	
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Barnyardgrass			
Echinochloa crus-galli 6"		14 oz.	
	(0 to 4"	19 oz.)	
	(4 to 6"	29 oz.)	
Bluegrass, annual			
Poa annua			
Brome, downy*			
Bromus tectorum			
Mustard, blue			
Chorispora tenella			
Mustard, tansy			
Descurainia pinnata			
Mustard, tumble			
Sisymbrium altissimum			
Mustard, wild			
Sinapis arvensis			
Spurry, umbrella			
Holosteum umbellatum			
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Barley			
Hordeum vulgare	12"		
Rye			
Secale cereale			
Sandbur, field			
Cenchrus spp.			
Shattercane			
Sorghum bicolor			
Stinkgrass			
Eragrostis cilianensis			
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Wheat			
Triticum			
aestivum			
		18"	
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Morningglory			
Ipomea spp.	2"	19 oz.	
Sicklepod			

Cassia obtusifolia

Bluegrass, bulbous
Poa bulbosa 6"

Cheat
Bromus secalinus

Chickweed, mouseear
Cerastium vulgatum

Corn
Zea mays

Groundsel, common
Senecio vulgaris

Horseweed/Marestail
Conyza canadensis

Lambsquarters, common
Chenopodium album

Pennycress, field
Fanweed
Thlaspi arvense

Rocket, London
Sisymbrium irio

Ryegrass, Italian
Lolium multiflorum

Shepherdspurse
Capsella bursa-pastoris

Buttercup
Ranunculus spp. 12"

Cocklebur
Xanthium strumarium

Crabgrass
Digitaria spp.

Dwarf dandelion
Krigia cespitosa

Falseflax, smallseed
Camelina microcarpa

Poxtail, Carolina
Alopecurus carolinianus

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Sicklepod 5 to 12"
Cassia obtusifolia

Spanishneedles
Bidens bipinnata

Filaree
Erodium spp. 12" 58 oz.

Use these rates in Alabama, Arkansas, Mississippi, Louisiana, and Tennessee for preplant treatments

*For control in no-till systems, use 19 fluid ounces per acre.

**For those rates less than 38 ounces per acre, this product at rates up to 38 ounces per acre may be used where heavy weed densities exist.

- [] TANK MIXTURES []
- [] MON-14415 plus BANVEL plus NONIONIC SURFACTANT []
- [] MON-14415 plus 2,4-D AMINE plus NONIONIC SURFACTANT []

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

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

MON-14415 plus Banvel or 2,4-D amine will control the annual grasses and broadleaf weeds previously listed for MON-14415 alone at the indicated heights (except 10 ounces per acre applications), plus the following broadleaf weeds. For those weeds previously listed at 10 ounces of MON-14415 herbicide alone per acre, use the 14 ounce rate in these tank mixtures.

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

Some crop injury may occur if Banvel is applied within 45 days of planting. The addition of Banvel in a mixture with this product may provide short-term residual control of selected weed species.

Apply 14 to 19 ounces of MON-14415 plus 0.25 lb. a.i. of Banvel or 0.5 pound a.e. of 2,4-D amine, plus 0.5 to 1 percent nonionic surfactant by total spray volume per acre to control dense populations of the following annual broadleaf weeds when less than 6 inches in height:

Kochia*	Pigweed, redroot
Kochia scoparia	Amaranthus retroflexus
Lambsquarters	Thistle, Russian
Chenopodium album	Salsola kali
Lettuce, prickly	
Lactuca serriola	

*Controlled with Banvel tank mixture only.

HIGH-VOLUME BROADCAST APPLICATIONS

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

Use 38 ounces of this product per acre if weeds are less than 6 inches tall. If weeds are over 6 inches tall, use 58 ounces 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*	Panicum
Momordica charantia	Panicum spp.
Bassia, fivehook	Ragweed, common
Bassia hyssopifolia	Ambrosia artemisiifolia
Brome	Ragweed, giant
Bromus spp.	Ambrosia trifida
Fiddleneck	Smartweed Pennsylvania
Amsinckia spp.	Polygonum pennsylvanicum
Flaxleaf Fleabane	Sowthistle, annual

<i>Conyza bonariensis</i>	<i>Sonchus oleraceus</i>
Fleabane <i>Erigeron</i> spp.	Sunflower <i>Helianthus annuus</i>
Kochia <i>Kochia scoparia</i>	Thistle, Russian <i>Salsola kali</i>
Lettuce, prickly <i>Lactuca serriola</i>	Velvetleaf <i>Abutilon theophrasti</i>

*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 the recommended stages.

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 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.

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

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
Imperata cylindrica

Dallisgrass
Paspalum dilatatum

Dandelion
Taraxacum officinale

Dock, curly
Rumex crispus

Dogbane, hemp
Apocynum cannabinum

Fescues
Festuca spp.

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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

Nightsnade, silverleaf
Solanum elaeagnifolium

Nutsedge, purple, yellow
Cyperus rotundus
Cyperus esculentus

Orchardgrass,
Dactylis glomerata

Pampas
Cortaderia jubata

Paragrass
Brachiaria mutica

Phragmites*
Phragmites spp.

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Quackgrass

Agropyron repens

Ryegrass, perennial

Lolium perenne

Smartweed, swamp

Polygonum coccineum

Sweet potato, wild*

Ipomoea pandurata

Thistle, Canada

Cirsium arvense

Timothy

Phleum pratense

Torpedograss*

Panicum repens

Vaseygrass

Paspalum urvillei

Wheatgrass, western

Agropyron smithii

*Partial Control

Alfalfa--Apply 38 ounces of this product per acre plus 0.5 to 1 percent nonionic surfactant by total spray volume in 5 to 10 gallons of water per acre. Make application after the 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 9 to 10 pints of this product per acre or apply a 1- $\frac{1}{2}$ to 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 58 ounces of this product plus 0.5 to 1 percent nonionic surfactant by total spray volume in 10 to 20 gallons of water per acre. Ensure entire crown area has resumed growth prior to a fall application. Bentgrass should be actively growing and 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 12 pints of this product per acre and, for partial control, apply 6 to 7 pints 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. See "Directions for Use" and "Mixing, Additives and Application Instructions" sections of this label for labeled uses and specific application instructions.

Bindweed, field/Blueweed, Texas --Apply 9 to 12 pints of this product per acre west of the Mississippi River and 7 to 10 pints 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.

Bluegrass (Kentucky)/Bromegrass (smooth)/Orchardgrass--Apply 77 ounces 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 38 to 58 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. Apply to actively growing plants when most have reached 4 to 12 inches in height. Allow 7 or more days after application before tillage.

Orchardgrass (sods going to no-till corn)- apply 38 to 58 ounces of this product per acre plus 0.5 to 1 percent nonionic surfactant by total spray volume in 3 to 10 gallons of water per acre. Apply to orchardgrass that is a minimum of 12 inches tall for spring applications and 6 inches tall for fall applications. Allow at least three days following application before planting. A sequential application of Lasso[®] herbicide and atrazine will be necessary for optimum results. These products should be applied within 3 to 10 days following spring applications to prevent annual weed growth.

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Brackenfern--Apply 7 to 10 pints of this product per acre as a broadcast spray or as a 1 to 2 percent solution with hand-held equipment. Apply to fully expanded fronds which are at least 18 inches long.

Bursage (woollyleaf)--For control, apply 77 ounces of this product plus 1 pint of Banvel per acre. For partial control, apply 38 ounces of this product plus 1 pint of Banvel per acre. Add 0.5 to 1 percent nonionic surfactant by total spray volume and 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 77 to 115 ounces 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 7 to 12 pints of this product plus 0.5 to 1 percent nonionic surfactant in 10 to 40 gallons of water per acre. Apply when cogongrass is at least 18 inches tall and actively growing in the late summer or fall. Allow 7 or more days after application before tillage. Due to uneven stages of growth and the dense nature of vegetation preventing good spray coverage, repeat treatments may be necessary to maintain control.

Dogbane, hemp/Knapweed/Horseradish--Apply 9 to 10 pints 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.

Fescue, tall--Apply 7 to 8 pints 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 38 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. Apply to fescue in the fall when actively growing and plants have 4 to 12 inches of new growth. Allow 7 or more days after application before tillage. A sequential application of 19 ounces per acre of this product plus nonionic surfactant may be used to improve long term control or control seedlings germinating after treatment or the following spring.

Guineagrass--Apply 7 to 8 pints of this product per acre or use a 1 to 1- $\frac{1}{4}$ percent solution with hand-held equipment. Apply to actively growing guineagrass when

most has 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 38 to 115 ounces of this product per acre. In annual cropping systems apply 38 to 77 ounces of this product per acre. Apply 38 ounces of this product plus 0.5 to 1 percent nonionic surfactant by total spray volume in 5 to 10 gallons of water per acre. Use 72 ounces 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 77 to 115 ounces 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 or in the fall prior to frost. Allow 7 or more days after application before tillage. Do not tank-mix with residual herbicides when using the 38 ounce per acre rate.

For burndown of Johnsongrass, apply 19 ounces per acre plus 0.5 to 1 percent nonionic surfactant 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 to 1- $\frac{1}{4}$ percent solution of this product plus 0.5 to 1 percent nonionic surfactant by total spray volume when Johnsongrass is 12 to 18 inches in height. Coverage should be uniform and complete.

Kikuyugrass--Apply 77 to 115 ounces 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.

Lantana--Apply this product as a 1 $\frac{1}{4}$ to 1- $\frac{1}{4}$ 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 for plants that have reached the woody stage of growth. Allow 7 or more days after application before tillage.

Milkweed (common)--Apply 7 to 8 pints 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 38 to 77 ounces of this product per acre. Use 38 ounces of this product plus 0.5 to 1 percent nonionic surfactant by total spray volume in 5 to 10 gallons of water per acre. Use 77 ounces 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 an application of this product. Do not tank mix with residual herbicides when using the 38 ounce acre rate.

Nightshade (silverleaf)--For control, apply 77 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. Applications should be made when at least 60 percent of the 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 weeds is under drought stress as good soil moisture is necessary for active growth.

Nutsedge (purple, yellow)--Apply 7 to 8 pints of this product per acre as a broadcast spray, or apply a 1 to 1- $\frac{1}{4}$ 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 19 to 38 ounces of this product per acre, plus 0.5 to 1 percent nonionic surfactant 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.

Phragmites--For partial control of phragmites in Florida and the counties of other states bordering the Gulf of Mexico, apply 12 pints per acre as a broadcast spray or apply a 2- $\frac{1}{4}$ percent solution from hand-held equipment. In other areas of the U.S., apply 7 to 8 pints per acre as a broadcast spray or apply a 1 to 1- $\frac{1}{4}$ 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 38 to 77 ounces of this product per acre. For the 38 ounce rate, apply 0.5 to 1 percent nonionic surfactant by total spray volume in 3 to 10 gallons of water per acre. For the 77 ounce rate, apply in 10 to 40 gallons of water per acre. Do not tank mix with residual herbicides when using the 38 ounce 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 77 to 115 ounces 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.

Sweet Potato (wild)--Apply this product as a 2- $\frac{1}{2}$ 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 77 to 115 ounces 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 38 ounces per acre of this product plus 0.5 to 1 percent nonionic surfactant by total spray volume 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 9 to 12 pints 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 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.

Other perennials listed on this label--Apply 7 to 12 pints 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, MON-14415 plus Banvel or 2,4-D amine will suppress or control the following perennial broadleaf weeds:

Bindweed, field
Convolvulus arvensis

For suppression, apply 19 ounces of MON-14415 plus 0.5 lb a.e. of 2,4-D amine or 0.25 lb a.i. of Banvel, 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 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 77 ounces of MON-14415 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.

Irrigated Agricultural Lands

Apply 38 to 77 ounces of this product plus 1 quart per acre of 2,4-D amine in 10 to 20 gallons of water per acre with ground equipment only for suppression of field bindweed. Applications should be made following

harvest or in fall fallow ground in the fall when the bindweed is actively growing and the majority of runners are 10 inches or more in length. The use of at least one irrigation to promote active bindweed growth is recommended. Tillage 7 to 10 days following application may improve long term control. A sequential application of this tank mixture the next fall may further improve control.

Dogbane, (hemp)
Apocynum cannabinum

For suppression, apply 19 ounces of MON-14415 plus 16 ounces of 2,4-D amine 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 applications. Delay applications until maximum emergence of dogbane has occurred. For control, apply 9 to 10 pints of this product in 3 to 20 gallons of water using ground application equipment only.

Smartweed, Swamp
Polygonum coccineum

For control, apply 19 ounces of MON-14415 plus 0.5 pounds active ingredient of 2,4-D amine plus 0.5 to 1 percent nonionic surfactant by total volume 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.

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

WOODY BRUSH AND TREES

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

Alder
Alnus spp.

Ash*
Fraxinus spp.

Aspen, quaking
Populus tremuloides

Bearcat (Bearclover)
Chamaebatia foliolosa

46 : 75

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Birch
Betula spp.

Blackberry
Rubus spp.

Broom:
French
Cytisus monspessulanus

Scotch
Cytisus scoparius

Buckwheat, California*
Eriogonum fasciculatum

Cascara*
Rhamnus purshiana

Catsclaw*
Acacia greggi

Ceanothus*
Ceanothus spp.

Chamise
Adenostoma fasciculatum

Cherry:

Bitter
Prunus emarginata

Black
Prunus serotina

Pin
Prunus pensylvanica

Coyote brush
Baccharis consanguinea

Creeper, Virginia*
Parthenocissus quinquefolia

Dewberry
Rubus trivialis

Elderberry
Sambucus spp.

Elm*

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Ulmus spp.

Eucalyptus, Bluegum
Eucalyptus glotulus

Hasardia*
Haplopappus squamosus

Hawthorn
Crataegus spp.

Hazel
Corylus spp.

Honeysuckle
Lonicera spp.

Kudzu
Pueraria lobata

Locust, black*
Robinia pseudoacacia

Madrone
Arbutus menziesii

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

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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

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

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Sweetgum
Liquidambar styraciflua

Swordfern*
Polystichum munitum

Tallowtree, Chinese
Sapium sebiferum

Tan oak
Lithocarpus densiflorus

Thimbleberry
Rubus parviflorus

Tobacco, tree*
Nicotiana glauca

Trumpetcreeper
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

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occurred. Reduced performance may result if fall treatments are made following a frost.

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

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

Alder/Dewberry/Honeysuckle/Post Oak/Raspberry--For control, apply 7 to 10 pints per acre of this product as a broadcast spray or as a 1½ to 2 percent solution with hand-held equipment.

Aspen, quaking/Cherry, bitter, black, pin/Hawthorn/Oak, southern red/Sweetgum/Trumpet creeper--For control, apply 77 to 115 ounces of this product per acre as a broadcast spray or as a 1½ to 2 percent solution with hand-held equipment.

Birch/Elderberry/Hazel/Salmonberry/Thimbleberry--For control, apply 77 ounces per acre of this product as a broadcast spray or as a 1 to 1½ percent solution with hand-held equipment.

Blackberry--For control, apply 7 to 10 pints per acre of this product as a broadcast spray, 1½ to 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 1 percent solution of this product plus 0.5 to 1 percent nonionic surfactant by total spray volume with hand-held equipment.

For control of blackberries after leaf drop and until killing frost or as long as stems are green, apply 7 to 10 pints of this product in 10 to 40 gallons of water per acre.

Broom: French, Scotch--For control, apply a 2 to 2½ percent solution with hand-held equipment.

Buckwheat, California/Hazardia/Monkey Flower/Tobacco, tree--For partial control of these species, apply a 1½ to 2½ 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 1½ to 2 percent solution with hand-held equipment.

Coyote Brush--For control, apply a 2 to 2- $\frac{1}{2}$ 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- $\frac{1}{2}$ 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.

Kudzu--For control, apply 9 to 10 pints of this product per acre as a broadcast spray or as a 2- $\frac{1}{2}$ percent solution with hand-held equipment. Repeat applications will be required to maintain control.

Maple, red**--For control, apply as a 1 $\frac{1}{2}$ to 2 percent solution with hand-held equipment when at least 50 percent of the new leaves are fully developed. For partial control, apply 77 to 154 ounces of this product per acre as a broadcast spray.

Maple, sugar/Oak, northern pin/Oak, red--For control, apply as a 1 $\frac{1}{2}$ to 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 9 to 12 pints of this product per acre as a broadcast spray or as a 2- $\frac{1}{2}$ 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 77 ounces of this product per acre as a broadcast spray or as a 1 $\frac{1}{2}$ 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- $\frac{1}{2}$ percent solution of this product as a foliar spray with hand-held equipment. Thorough coverage of foliage is necessary for best results.

Willow--For control, apply 7 to 8 pints of this product per acre as a 1 $\frac{1}{2}$ broadcast spray or as a percent solution with hand-held equipment.

Other Woody Brush and Trees listed on this label--For partial control, apply 77 to 154 ounces of this product per acre as a broadcast spray or as a 1 $\frac{1}{2}$ to 2 $\frac{1}{2}$ percent solution with hand-held equipment.

NON-CROP USES

 FARMSTEAD WEED CONTROL

When applied as directed 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.

 GRASSES FOR SEED PRODUCTION

[] PREPLANT AND RENOVATION []

When applied as directed 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.

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

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

GRASSES FOR SEED PRODUCTION

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

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

**BAHIAGRASS SEEDHEAD AND
VEGETATIVE SUPPRESSION**

When applied as directed in tree and vine crops, this product will provide significant inhibition of seedhead emergence and will suppress vegetative growth for a period of approximately 45 days with single application 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 7 fluid ounces per acre of this product plus 0.5 to 1 percent nonionic surfactant by total spray volume in 10 to 25 gallons of water per acre.

Sequential applications of this product plus 0.5 to 1 percent nonionic surfactant by total spray volume 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 5 fluid ounces of this product per acre plus nonionic surfactant. A second sequential application of 2½ to 5 fluid ounces per acre plus nonionic surfactant may be made approximately 45 days after the last application.

CROPPING SYSTEMS

See "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 on this label.

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Except as otherwise specified in a crop section of this label, the combined total of all treatments must not exceed 9.6 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 for 8 weeks after application. Allow 14 days following spot treatment or selective equipment use before grazing domestic livestock or harvesting forage grasses and legumes.

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

ALFALFA*
 ARTICHOKE,
 JERUSALEM
 ASPARAGUS*
 BARLEY*
 BEANS (All)
 BEET GREENS
 BEETS (Red, Sugar)
 BLACKBERRY
 BLUEBERRY
 BOYSENBERRY
 BROCCOLI
 CABBAGE
 CARROT
 CAULIFLOWER
 CELERY
 CHICORY
 CORN (All)*
 COTTON*
 CRANBERRY
 CUCUMBER***
 CURRANT
 DEWBERRY
 EGGPLANT***
 ELDERBERRY
 FORAGE GRASSES*
 FORAGE LEGUMES*
 GARLIC***
 GOOSEBERRY
 HORSERADISH
 HUCKLEBERRY
 KALE

LENTILS
 LETTUCE
 LOGANBERRY
 MELONS***
 MUSTARD GREENS
 OATS***
 OKRA
 OLALLIEBERRY
 ONION
 PEANUTS
 PEAS (ALL)
 PEPPER***!
 PINEAPPLE****
 POTATO (Irish, Sweet)
 PUMPKIN***
 RADISH
 RASPBERRY (Black, Red)
 RICE***
 RUTABAGA
 SORGHUM (Milo)
 SOYBEANS*
 SPINACH
 SQUASH*** (Summer, Winter)
 GOURDS***
 TOMATILO***
 TOMATOES***!
 WATERCRESS***
 WATERMELON***
 WHEAT*

* Spot treatments may be applied in these crops.

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

*** Apply only prior to planting. Allow at least 3 days between application and planting.

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

!Use is restricted to direct seeded crops only.

Spot Treatment (Only those crops with "*" can be spot treated) --Applications in growing crops must be made prior to heading of small grains and milo, initial pod set in soybeans, silking of corn, boll opening on cotton.

For forage grasses and forage legumes see "Spot Treatment" in the "Pastures" section of "CROPPING

SYSTEMS" in this label.

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

NOTE: FOR FORAGE GRASSES AND FORAGE LEGUMES, NO MORE THAN ONE-TENTH OF ANY ACRE SHOULD BE TREATED AT ONE TIME. FOR ALL OTHER CROPS, DO NOT 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 sorghum milo. See the "Selective Equipment" part of the "APPLICATION EQUIPMENT TECHNIQUES" section of this label for information on proper use and calibration of this equipment.

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

Cotton, Soybeans.....	7 days
Apples, Avocado, Cherry, Citrus, Grapes, Pear, Rutabagas	14 days
Stone Fruit	17 days
Nut Crops	21 days
Sorghum (milo)*.....	40 days

*Do not use roller application. 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 applications 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 crop emergence 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 area to be harvested. Do not harvest within 3 days of treatment.

Post Harvest--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 post-harvest applications. A directed spray is any application where the spray pattern is aligned in such a way as to avoid direct contact of the spray with the crop. A shielded spray is any application where a physical barrier is positioned and maintained between the spray and the crop to prevent contact of spray with the crop.

BERRIES AND SMALL FRUIT

For cranberries, apply after fruit set and no later than 30 days before harvest.

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

Wiper applicators may be used in cranberries in accordance with instructions in this section.

See "General Information" and "Mixing, Additives and Application Instructions" sections of this label for

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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 9 to 10 pints of this product in 4 gallons of water to prepare a 22 to 24 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.

- | | | |
|--------------------------|--------------------------------------------------------|--------------------------|
| <input type="checkbox"/> | TANK MIXTURES | <input type="checkbox"/> |
| <input type="checkbox"/> | MON-14415 plus BANVEL
plus NONIONIC SURFACTANT | <input type="checkbox"/> |
| <input type="checkbox"/> | MON-14415 plus 2,4-D AMINE
plus NONIONIC SURFACTANT | <input type="checkbox"/> |
| <input type="checkbox"/> | MON-14415 plus GOAL™
plus NONIONIC SURFACTANT | <input type="checkbox"/> |

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

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

MON-14415 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.

MON-14415 14 oz/acre

MON-14415 19 oz/acre

Wheat 18"*
Barley 12"

Bluegrass (annual) 6"
Barnyardgrass 6"
Rye 6"

Annual grasses
at left plus:

Ryegrass (annual) 6"
Chickweed 6"
Groundsel 6"
Marestail 6"
Rocket, London 6"
Shepherdspurse 6"
Crabgrass 12"
Johnsongrass, seedling 12"
Lambsquarters 12"
Oats, wild 12"
Pigweed, redroot 12"
Mustards 12"

MON-14415 14 oz/acre
+
Goal** 2-4 oz/acre

MON-14415 19 oz/acre
+
Goal** 2-4 oz/acre

Annual grasses above
plus:

Annual weeds above
plus:

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Cheeseweed, Common	3"	Cheeseweed, Common	12"
Chickweed	3"	Chickweed	12"
Groundsel	3"	Groundsel	6"
Rocket, London	6"	Rocket, London	12"
Shepherdspurse	6"	Shepherdspurse	12"

*Maximum height or length in inches.

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

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

TMGoal is a trademark of Rohm and Haas Company.

AID TO TILLAGE

This product, when used in the conjunction with preplant tillage practices will provide control of downy brome, cheat, volunteer wheat, tansy mustard and foxtails. Apply 10 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 mixture 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,

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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.

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 12.7 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 9 to 12 pints 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

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- [] MON-14415 plus LASSO plus LEXONE* []
 [] MON-14415 plus LASSO plus SENCOR* []

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

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

CONTROL OF EMERGED WEEDS

Annual Weeds--Apply to actively growing grasses and broadleaf weeds. Use 38 ounces of this product herbicide per acre in these tank mixtures if weeds are less than 6 inches tall. If weeds are over 6 inches tall, apply 58 ounces 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 77 to 154 ounces 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 4.8 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 "Control of Perennial Weeds" section of this label and then use a label-approved, seedling weed-control program in a minimum tillage or conventional tillage system. For Johnsongrass control, follow the instructions under "Control of Perennial Weeds" section of the label, and then use a label-approved seedling weed-control program with

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conventional tillage.

The following are labeled ranges for the recommended preemergence herbicides:

PRODUCT	RATES/ACRE	
	(QUARTS)	(POUNDS)
Lasso	2 to 4	o
Atrazine 4L	1 to 2	o
Atrazine 80WP	o	1.25 to 2.3
Atrazine 90DF	o	1.1 to 2
Bladex 4L	1 to 2.2	o
Bladex 80WP	o	1.25 to 2.75
Simazine 4L	1 to 2.2	o
Simazine 80WP	o	1.25 to 2.75
Linuron 4L	0.5 to 1.5	o
Linuron 50WP	o	1 to 3
Lexone 4L or Sencor 4F	0.25 to 0.75	o
Lexone or Sencor 50 WP	o	0.5 to 1.55
Lexone or Sencor 75DF	o	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.

^RLasso is a registered trademark of Monsanto Company. TMBladex and TMLexone are trademarks of E. I. duPont deNemours and Company.

TMSencor 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

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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 conventional boom 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. Do not exceed a 38 ounce rate of this product per acre when making aerial applications.

To control johnsongrass using multiple nozzle-directed spray equipment, apply 38 ounces of this product plus 0.5 to 1 percent nonionic surfactant by total spray volume in 10 to 20 gallons of water per acre. Ensure complete coverage.

For partial control of field bindweed apply 38 ounces of this product plus 0.5 to 1 percent nonionic surfactant by total spray volume in 3 to 40 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

MON-14415 plus Def™ 6
MON-14415 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 CROP GROWN FOR SEED Allow a minimum of 7 days between applications 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.

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 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 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 12.7 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.

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TANK MIXTURES
TREE AND VINE CROPS

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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

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preemergence control of those weeds listed in the individual product labels.

- | | | |
|-----|-----------------------------------------------------------------------------------------------------|-----|
| [] | MON-14415 plus GOAL™ 1.6 | [] |
| [] | MON-14415 plus KARMEX™ WP | [] |
| [] | MON-14415 plus KROVAR™ I | [] |
| [] | MON-14415 plus KROVAR™ II | [] |
| [] | MON-14415 plus SIMAZINE,
CALIBER® 90 | [] |
| [] | MON-14415 plus SIMAZINE 4L | [] |
| [] | MON-14415 plus SIMAZINE 80W | [] |
| [] | MON-14415 plus SOLICAM™ 80WP | [] |
| [] | MON-14415 plus SURFLAN™ AS | [] |
| [] | MON-14415 plus SURFLAN 75W | [] |
| [] | MON-14415 plus SIMAZINE
(80W, or 4L, or CALIBER 90)
plus SURFLAN (AS or 75W) | [] |
| [] | MON-14415 plus GOAL (1.6E)
plus SURFLAN (AS or 75W) | [] |
| [] | MON-14415 plus GOAL (1.6E)
plus SIMAZINE
(80W, or 4L, or CALIBER 90)* | [] |
| [] | MON-14415 plus GOAL (1.6E)
plus SURFLAN (AS or 75W)
plus simazine (80W, 4L, or
Caliber 90) | [] |

*See the MON-14415 plus Goal
plus simazine tank
mixture section below for
specific use instructions.

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

Do not apply these tank mixtures in Puerto Rico.

CONTROL OF EMERGED WEEDS

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Annual Weeds--Apply 38 ounces 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 58 ounces per acre.

Perennial Weeds--For partial control of perennial weeds using these tank mixtures apply 4.8 to 12 pints 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	1.25 to 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.
Solican 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

[] MON-14415 plus GOAL []

MON-14415 alone and MON-14415 plus Goal tank mixtures will control or suppress annual weeds listed below.

Apply recommended rates of MON-14415 or MON-14415 plus Goal tank mixtures plus 0.5 to 1 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. If weeds are under drought stress, irrigate prior to application.

RECOMMENDED RATES AND WEEDS CONTROLLED

C = Control S = Suppression

WEED SPECIES	MON-14415 (fl oz/acre)			MON-14415 + Goal (fl oz/acre)
	10	14	19	19 + 4 to 16
Bluegrass (annual)	C	C	C	C
Barley	C	C	C	C
Cheeseweed (3")	S	S	S	C
Rocket (London)	S	S	S	C
Shepherdspurse	S	S	C	C
Chickweed	S	C	C	C
Fleabane (Flaxleaf)	S	C	C	C
Red Maids	S	C	C	C
				19 + 4 to 16
Barnyardgrass	S	C	C	C
Cheeseweed, common (3-6")	S	S	S	C
Crabgrass	S	S	C	C
Groundsel, common	S	S	C	C
Junglerice	S	S	C	C
Lambsquarters	S	S	C	C
Marestail	S	S	C	C
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,	S	S	C	C

WEEDS CONTROLLED

Weed Species	Max height (inches)	MON-14415 + Goal	
		(oz/a)	(qt/a)
Barley, wild	4	19 to 38 +	.5 to 5
Bluegrass, annual	4	19 to 38 +	.5 to 5
Cheeseweed, common	4	19 to 38 +	1 to 5
Chickweed, common	4	19 to 38 +	.5 to 5
Flaxleaf, fleabane	4	19 to 38 +	.5 to 5
Groundsel, common	4	19 to 38 +	.5 to 5
Rocket, London	4	19 to 38 +	.5 to 5
Marestail	4	19 to 38 +	.5 to 5
Pineappleweed	4	19 to 38 +	.5 to 5
Shepherdspurse	4	19 to 38 +	.5 to 5
Sowthistle, annual	4	19 to 38 +	.5 to 5
Cheeseweed, common	12	38 to 58 +	1 to 5
Nettle, stinging	12	38 to 58 +	1 to 5
Filaree	12	38 to 58 +	1 to 5

[] PERENIAL 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 greenup or after mowing to a uniform height of 3 to 4 inches. Applications must be made prior to seed head emergence. Apply 7 fluid ounces of this product plus 0.5 to 1 percent nonionic surfactant by total spray volume in 10 to 25 gallons of water per acre.

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Sequential applications of this product plus nonionic surfactant 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 5 fluid ounces of this product plus nonionic surfactant. A second sequential application of 2½ to 5 fluid ounces may be made approximately 45 days after the last application.

Bermudagrass

For burndown, apply 38 to 77 ounces of this product plus 0.5 to 1 percent nonionic surfactant by total spray volume in 3 to 20 gallons of water per acre. Use 38 ounces of this product in 3 to 20 gallons of water per acre east of the Rocky Mountains. Use 38 to 77 ounces 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 7 to 19 fluid ounces plus 0.5 to 1 percent nonionic surfactant by total spray volume 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 7 to 12 fluid ounces plus nonionic surfactant should be used in shaded conditions or where a lesser degree of suppression is desired. Sequential applications may be made when regrowth occurs and bermudagrass injury and stand reduction can be tolerated.

Suppression only (West of the Rocky Mountains)
Apply 19 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 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 10 fluid ounces of this product plus 0.5 to 1 percent nonionic surfactant by total spray volume 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 7 fluid ounces of this product plus nonionic surfactant. Do not add ammonium sulfate.

For best results, mow cool season grass cover in the spring to even their 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 weeds, apply the recommended rates of this product plus 0.5 to 1 percent nonionic surfactant by total spray volume in 3 to 20 gallons of water per acre. Where weed foliage is dense, use 10 to 20 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 weed to regrow to the recommended stage of growth.

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

WEED SPECIES	MON-14415 RATE PER ACRE			
	38 oz.	77 oz.	7 to 8 pts.	12 pts.
Bermudagrass	B	-	PC	C
Guinegrass				
Tx & FL Ridge	B	C	C	C
FL 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. duPont de Nemours and Company.
- *Sollicam is a trademark of Sandoz, Inc.
- *Surflan is a trademark of Elanco Products Company.

TREE CROPS

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

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

Pome Fruit*: apple, pear.

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 wounds or other mechanical injury. Apply only near trees which have been planted in the orchard for 2 or more years. EXTREME CARE MUST BE TAKEN TO ENSURE NO PART OF THE PEACH TREE IS CONTACTED.

Tropical Fruit: acerola, avacado*, banana (plantains), coffee****, figs*, guava, mango*, papaya, tea. Allow a minimum of 1 day between last application and harvest

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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 17 days between last application and harvest

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

**** 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.

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

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