

10F 30
PM 25
524-316

ACCEPTED
307 31 1980
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 524-376

GRIP™

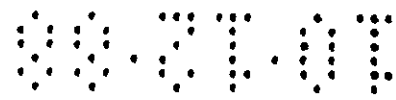
HERBICIDE BY **Monsanto**

For control or suppression of emerged weeds in reduced tillage systems.

Keep out of reach of children.

DANGER! Read precautions on side panel

NET 2.9 GAL.

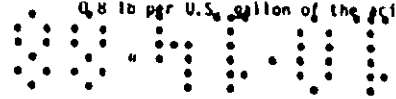


Read the entire label before using this product.
Use only according to label instructions.
Read 'LIMIT OF WARRANTY AND LIABILITY' before buying or using. If terms are not acceptable, return at once unopened.
AVOID CONTACT WITH FOLIAGE OF CROP OR OTHER DESIRABLE VEGETATION SINCE SEVERE INJURY OR DESTRUCTION MAY RESULT.

ACTIVE INGREDIENTS*:

Glyphosate, N-(phosphonomethyl)-glycine in the form of the isopropylamine salt	13.31
2,4-D, 2,4-dichlorophenoxyacetic acid in the form of the isopropylamine salt	11.11
INERT INGREDIENTS:	75.61
	100.03

*Contains 148 grams per litre or 1.2 lbs per U.S. gallon of the active ingredient, glyphosate, in the form of the isopropylamine salt and 120 grams per litre or 0.97 lb per U.S. gallon of the active ingredient, 2,4-D in the form of the isopropylamine salt. Equivalent to 108 grams per litre or 0.9 lb per U.S. gallon of the acid, glyphosate and 96 grams per litre or 0.8 lb per U.S. gallon of the acid 2,4-D.



Carefully follow detailed instructions in attached booklet.

REFORMULATION OR REPACKAGING IS PROHIBITED

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

Keep out of reach of children

DANGER!

CAUSES EYE BURNS.

HARMFUL IF SWALLOWED OR INHALED

Do not get in eyes, on skin or on clothing

Wear goggles or face shield and rubber gloves in transferring and mixing and when adjusting, repairing or cleaning equipment

Avoid breathing vapors 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 SWALLOWED, induce vomiting immediately as directed by medical personnel. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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

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 contain-

ers 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, food or feed by storage or disposal. Do not store near fertilizers, seeds, insecticides or fungicides.

STORAGE

Store above 40°F to keep product in solution. If crystals form, place in a warm room (72°F), allow the product to reach room temperature and roll or shake periodically until crystals have redissolved. Keep container closed to prevent spills and contamination.

DISPOSAL

Wastes of this pesticide may cause eye burns and may be dangerous. Improper disposal of excess pesticide, spray mixtures, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Empty 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.)

The glyphosate component of Grip herbicide is protected by U.S. Patent Nos. 3,799,758 and 4,405,531. Other patents are 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.

EPA Reg. No. 524-376



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

886.13-000.02

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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 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.

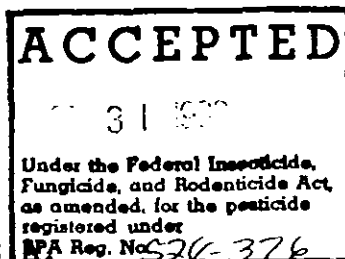
To remove booklet TAKE HOLD AT A "CORNER" and PULL UP!

Complete Directions for Use

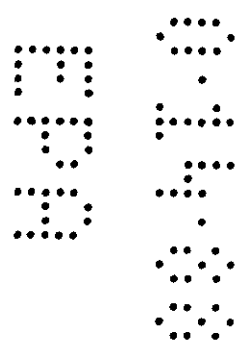
EPA Reg. No. 524-376

TM Grip is a trademark of Monsanto Company.

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(C) MONSANTO COMPANY 1988

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AGRICULTURAL PRODUCTS
ST. LOUIS, MISSOURI 63167, U.S.

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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

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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.

(M) 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.

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PRECAUTIONARY STATEMENTS

Hazards to
Humans and Domestic Animals

Keep out of reach of children.

DANGER!

CAUSES EYE BURNS.

HARMFUL IF SWALLOWED OR INHALED.

Do not get in eyes, on skin, or on clothing.

Wear goggles or face shield and rubber gloves in transferring and mixing, and when adjusting, repairing or cleaning equipment.

Avoid breathing vapors 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 SWALLOWED, induce vomiting immediately as directed by medical personnel. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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

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, wash waters.

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 INGREDIENTS*:

Glyphosate, N-(phosphonomethyl)-		
glycine in the form of the isopropylamine salt.. . . .		12.3%
2,4-D, 2,4-dichlorophenoxyacetic		
acid in the form of the isopropylamine salt.		17.1%
INERT INGREDIENTS:.. . . .		75.6%
		100.0%

*Contains 144 grams per litre or 1.2 lbs per U.S. gallon of the active ingredient, glyphosate, in the form of the isopropylamine salt, and 120 grams per litre or 1 lb per U.S. gallon of the active ingredient, 2,4-D in the form of the isopropylamine salt. Equivalent to 108 grams per litre or 0.9 lb per U.S. gallon of the acid, glyphosate and 96 grams per litre or 0.8 lb per U.S. gallon of the acid 2,4-D.

The glyphosate component of Grip herbicide is protected by U.S. Patent No. 3,799,758, and U.S. Patent No. 4,405,531. Other patents are pending.

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

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, food, or feed by storage or disposal. Do not store near fertilizers, seeds, insecticides or fungicides.

STORAGE:

STORE ABOVE 40±F to keep product in solution. If crystals form, place in a warm room (72±F), allow the product to reach room temperature and roll or shake periodically until crystals have dissolved. Keep container closed to prevent spills and contamination.

DISPOSAL:

Wastes of this pesticide may cause eye burns and may be dangerous. Improper disposal of excess pesticide, spray mixtures, or rinsate is a violation of Federal law. If these wastes cannot be disposed of according to label use instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

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

(See the individual container label for disposal information.)

GENERAL INFORMATION

This product is a postemergence herbicide for control or suppression of emerged weeds in reduced tillage systems prior to planting or emergence of wheat, barley, corn, oats, rye or sorghum (grain or forage).

This product enters the plant through the foliage and moves throughout the plant. Visual effects of control are a gradual wilting or yellowing of the plant, which advances to complete browning of above-ground growth and deterioration of affected underground plant parts. Visible symptoms will usually develop on labeled weeds within 2 to 4 days after application, but may not occur for 7 or more days. Extremely cool or cloudy weather following treatment may slow activity of this product and delay the visual effects of control.

**APPLICATION PRECAUTIONS
AND WARNINGS**

- ± Do not plant any crop other than corn, barley, oats, rye, sorghum (grain or forage) or wheat for 3 months after treatment or until this product has disappeared from the soil.
- ± Applications of this product after planting and prior to crop emergence may cause crop injury if rainfall or environmental conditions delaying crop emergence are experienced.
- ± This product is recommended for control of emerged weeds prior to establishment of labeled crops. Large amounts of green or decaying vegetation left standing or incorporated into the seedbed may enhance the development of disease in newly planted crops. This may result in poor emergence and/or stands, especially under cool and/or wet conditions.
- ± Spraying early to control young weeds before dense stands develop or light cultivation to assist weed decay will favor preparation of suitable seedbeds.
- ± In reduced tillage and no-till systems, ensure good seed to soil contact and proper seeding depth.
- ± Do not feed or forage treated vegetation from treated areas within 8 weeks after application.
- ± DO NOT APPLY IN THE VICINITY OF 2,4-D SENSITIVE CROPS, SUCH AS COTTON, GRAPES, TOMATOES AND OTHER DESIRABLE VEGETATION.
- ± Applications should be made only when there is no hazard from spray drift since very small quantities of spray, which may not be visible, may severely injure susceptible crops or desirable vegetation.
- ± The likelihood of injury occurring to adjacent crops 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 favor spray drift.
- ± Movement of this product on soil particles during windstorms may cause damage to susceptible plants that are contacted. This hazard is reduced if rainfall occurs shortly after application.

± 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. 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.

This product is subject to all state and county regulation for 2,4-D amine.

TIMING OF APPLICATION

This product should be applied postemergence to vigorously growing weeds when they have reached the recommended size given in the "RECOMMENDED RATES AND WEEDS CONTROLLED" section of this label. Application should be delayed until maximum emergence of the target weeds, but before weeds exceed the maximum size recommended. For annual weeds, allow 1 day after treatment before tillage.

Reduced control may result if treatments are made during poor growing conditions such as drought stress, disease or insect damage or if weeds have been mowed, grazed or cut. Heavy dust on foliage or an overstory canopy covering targeted weeds may also reduce control.

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

RECOMMENDED RATES AND WEEDS CONTROLLED

For best results, apply this product after most weed seeds have germinated but before seedhead formation in grasses or flower bud formation in broadleaves.

When applied as directed, this product will provide control or suppression of the grass and broadleaf weed species listed below. Rates recommended are for maximum weed height at treatment time.

<u>GRIP™</u>		
<u>ANNUAL WEED SPECIES</u>	<u>RATE PER ACRE</u>	<u>MAXIMUM HEIGHT</u>
Foxtail, green Setaria viridis	27 oz	12"

105873

Barley
Hordeum vulgare 40 oz 6"

Brome, downy*
Bromus tectorum

Cheat*
Bromus secalinus

Foxtail
Setaria spp.

Kochia*
Kochia scoparia

Lettuce, prickly*
Lactuca serriola

Mustard, tumble
Sisymbrium altissimum

Oats, wild
Avena fatua

Puncturevine
Tribulus terrestris

Purslane, common
Portulaca oleracea

Cocklebur 40 oz 12"
Xanthium strumarium

Lambsquarters
Chenopodium album

Mustard, tansy
Descurainia pinnata

Pigweed, redroot
Amaranthus retroflexus

Pigweed, smooth
Amaranthus hybridus

Rye
Secale cereale

Stinkgrass
Eragrostis cilianensis

Thistle, Russian



Salsola kali
Wheat
Triticum aestivum

Witchgrass
Panicum capillare

Barnyardgrass 54 oz 6"
Echinochloa crus-galli

Buffalobur
Solanum rostratum

Chickweed, common
Stellaria media

Goatgrass
Aegilops cylindrica

Henbit
Lamium amplexicaule

Horseweed/Marestail
Conzya canadensis

Mustard, blue
Chorispora tenella

Panicum, fall
Panicum dichotomiflorum

(Ryegrass, Italian
Lolium multiflorum

Oats, wild 54 oz 12"
Avena fatua

Sandbur, field
Cenchrus spp.

*For improved control in no-till systems or heavy infestations of overwintered stands, use 54 ounces.

TANK MIXTURES

Tank mixtures of this product plus atrazine, BladexTM, Bullet^R, Lariat^R or Lasso^R herbicide will provide postemergence control of listed annual weeds in reduced tillage systems. In addition, these tank mixtures will provide soil residual control of weeds listed on the labels for

120530

atrazine, Bladex, Bullet, Lariat or Lasso.

ANNUAL WEEDS CONTROLLED

Barnyardgrass Echinochloa crus-galli	Mustard, tansy Descurainia pinnata
Brome, downy Bromus tectorum	Panicum, fall Panicum dichotomiflorum
Chickweed, common Stellaria media	Pigweed, redroot Amaranthus retroflexus
Foxcail, green Setaria viridis	Ryegrass, Italian Lolium multiflorum
Henbit Lamium amplexicaule	Sandbur, field Cenchrus spp.
Horseweed/Marestail Conyza canadensis	Stinkgrass Eragrostis ciliaris
Kochia Kochia scoparia	Thistle, Russian Salsola kal
Lambsquarters, common Chenopodium album	Wheat Triticum aestivum
Lettuce, prickly Lactuca serriola	Witchgrass Panicum capillare

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

^RBullet, Lariat and Lasso are registered trademarks of Monsanto Co.

AMMONIUM SULFATE

The addition of 2 percent dry ammonium sulfate by weight (or liquid equivalent) or 17 pounds per 100 gallons of water may increase the performance of this product and tank mixtures of this product on annual 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 line. ENSURE THAT AMMONIUM SULFATE IS COMPLETELY DISSOLVED IN THE SPRAY TANK BEFORE ADDING HERBICIDES. THOROUGHLY RINSE THE SPRAY SYSTEM WITH CLEAN WATER AFTER USE TO REDUCE CORROSION. —

NOTE: When using ammonium sulfate, do not use below 5 GPA of water carrier.

APPLICATION EQUIPMENT

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

This product may be applied using either ground or aerial spray equipment. Use extreme care to avoid misting or drifting of herbicide solution onto foliage, green stems or fruit of desirable crops, trees, or plants during both growing and dormant periods, since even very small quantities of spray can cause severe plant injury.

GROUND APPLICATION: Apply recommended rates of this product in 3 to 10 gallons of water per acre as a broadcast spray. For optimum spray distribution and coverage, use flat fan or low volume flood nozzles. When using flood nozzles, space them no more than 40 inches apart and ensure double overlap of spray pattern. Refer to the manufacturer's recommendations for correct pressure and nozzle height above the target canopy. Avoid pressure and nozzles which produce fine droplets or mist.

Use appropriate marking devices to ensure uniform spray coverage and best results from this product.

HAND-HELD AND HIGH-VOLUME EQUIPMENT (Use Coarse Sprays Only): Mix this product in clean water and apply to foliage of vegetation to be controlled. For applications made on a spray-to-wet basis, spray coverage should be uniform and complete. Do not spray to the point of runoff.

AERIAL APPLICATION: Apply the recommended rates of this product in 3 to 5 gallons of water per acre as a broadcast spray. DO NOT APPLY DURING INVERSION CONDITIONS, WHEN WINDS ARE GUSTY, OR WHEN OTHER CONDITIONS WILL FAVOR DRIFT. DRIFT MAY CAUSE DAMAGE TO ANY VEGETATION CONTACTED TO WHICH TREATMENT WAS 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.

MIXING INSTRUCTIONS

GRIP™ ALONE

Fill the spray tank to about 3/4 of the desired volume with clean water. Add the recommended amount of this product, then complete the

filling process while maintaining agitation. Remove the hose from the mix 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, terminate by-pass and return lines at the tank bottom and/or use an agriculturally approved antifoam or defoaming agent.

Additional surfactant is not recommended for this formulation.

NOTE: Reduced results may occur if water containing soil is used, such as water from ponds and unlined ditches.

TANK MIXTURES

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

Mix labeled tank mixtures of this product with water as follows:

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

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 should be no finer than 100 mesh and in-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.

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Check label of all products used in tank mix for cleaning instructions. Clean as per the hardest material to remove.

SPRAYER CLEANUP

CLEAN THE ENTIRE SPRAYER AFTER APPLICATION OF THIS PRODUCT. Failure to clean the sprayer thoroughly may result in injury to desirable crops which are subsequently sprayed. First, add clean water to the tank and thoroughly rinse the entire sprayer system. Secondly, fill the tank with water and ammonia. Add 1 quart of household ammonia per 25 gallons of water. Pump enough solution through the hoses, boom and nozzles to fill these parts completely. Then fill the tank, close and leave for 24 hours before draining and rinsing thoroughly with water. :...:

Application or use of other agriculture chemicals with the equipment used for this product may result in injury to desirable vegetation. :...:

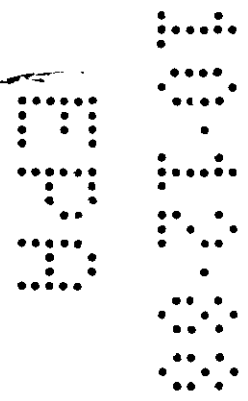
Thoroughly wash aircraft, especially landing gear, after each day of spraying to remove residues of this product accumulated during spraying or from spills. PROLONGED EXPOSURE OF THIS PRODUCT TO UNCOATED STEEL SURFACES MAY RESULT IN CORROSION AND POSSIBLE FAILURE OF THE PART. LANDING GEAR ARE MOST SUSCEPTABLE.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

886.13-000.01/53

FFC (C) MONSANTO COMPANY 1988

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.



FORGE™

HERBICIDE BY **Monsanto**

ACCEPTED
 OCT 31 1988
 Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 524-376

For control or suppression of emerged weeds in reduced tillage systems.

Keep out of reach of children.

DANGER! Read precautions on side panel

NET 2.5 GAL

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ACTIVE INGREDIENTS*:

Glyphosate, N-(phosphonomethyl)-glycine in the form of the isopropylamine salt
 2,4-D, 2,4-dichlorophenoxyacetic acid in the form of the isopropylamine salt
INERT INGREDIENTS:

*Contains 144 grams per litre or 1.2 lbs per U.S. gallon of the ingredient, glyphosate, in the form of the isopropylamine salt grams per litre or 1 lb per U.S. gallon of the active ingredient in the form of the isopropylamine salt. Equivalent to 108 grams per U.S. gallon of the acid, glyphosate and 96 grams per U.S. gallon of the acid 2,4-D.

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Carefully follow detailed instructions in attached booklet.

REFORMULATION OR REPACKAGING IS PROHIBITED

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

Keep out of reach of children

DANGER!

**CAUSES EYE BURNS.
HARMFUL IF SWALLOWED OR INHALED.**

Do not get in eyes, on skin or on clothing

Wear goggles or face shield and rubber gloves in transferring and mixing and when adjusting, repairing or cleaning equipment

Avoid breathing vapors 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 SWALLOWED, induce vomiting immediately as directed by medical personnel. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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

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 wash waters.

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 LINED STEEL EXCEPT STAINLESS STEEL CONTAINERS OR SPRAY TANKS. This product or spray solutions of this product react with such contain-

ers 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, food or feed by storage or disposal. Do not store near fertilizers, seeds, insecticides or fungicides

STORAGE:

Store above 40°F to keep product in solution. If crystals form, place in a warm room (72°F), allow the product to reach room temperature and roll or shake periodically until crystals have redissolved. Keep container closed to prevent spills and contamination.

DISPOSAL:

Wastes of this pesticide may cause eye burns and may be dangerous. Improper disposal of excess pesticide, spray mixtures, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

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)

The glyphosate component of Forge herbicide is protected by U.S. Patent Nos. 3,799,758 and 4,405,531 (Other patents are 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.
EPA Reg. No. 524-376



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

886.13-000.02

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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 these 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 conditions and limitations stated herein.

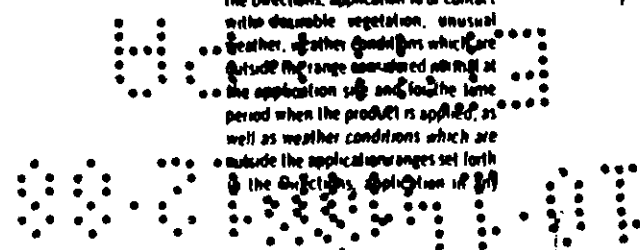
Buyer and all users shall promptly notify this Company of any claims whether based in contract, negligence, strict liability, other tort or otherwise.

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, or other conditions which are outside the range controlled at all of the application site and for the same period when the product is applied, as well as weather conditions which are outside the application ranges set forth in the Directions, application of the

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.



To remove booklet TAKE HOLD AT A "CORNER" and PULL UP!

AVOID CONTACT WITH FOLIAGE OF CROP OR OTHER DESIRABLE VEGETATION SINCE SEVERE INJURY OR DESTRUCTION MAY RESULT.

Complete Directions for Use

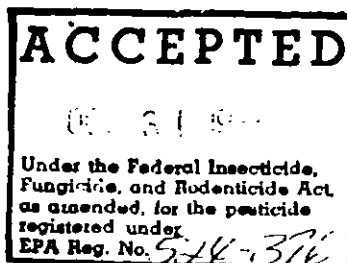
EPA Reg. No. 524-376

TMForge is a trademark of Monsanto Company.

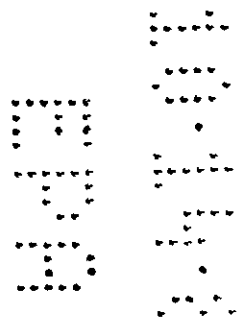
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AGRICULTURAL PRODUCTS
ST. LOUIS, MISSOURI 63167, U.S.A.



886.13-000.01/53



Read the entire label before using 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.

LIMIT OF WARRANTY AND LIABILITY

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

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

Buyer and all users are responsible for all loss or damage from use or handling which results from conditions beyond the control of this Company, including, but not limited to, incompatibility with products other than those set forth in the Directions, application to or contact

with desirable vegetation, unusual weather, weather conditions which are outside the range considered normal at the application site and for the time period when the product is applied, as well as weather conditions which are outside the application ranges set forth in the Directions, application in any manner not explicitly set forth in the Directions, moisture conditions outside the moisture range specified in the Directions, or the presence of products other than those set forth in the Directions in or on the soil, crop or treated vegetation.

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

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

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

Keep out of reach of children.

DANGER!

CAUSES EYE BURNS.

HARMFUL IF SWALLOWED OR INHALED.

Do not get in eyes, on skin, or on clothing.

Wear goggles or face shield and rubber gloves in transferring and mixing, and when adjusting, repairing or cleaning equipment.

Avoid breathing vapors 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 SWALLOWED, induce vomiting immediately as directed by medical personnel. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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

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 INGREDIENTS*:

Glyphosate, N-(phosphonomethyl)-glycine in the form of the isopropylamine salt.. . . .	13.3%
2,4-D, 2,4-dichlorophenoxyacetic acid in the form of the isopropylamine salt.	14.1%
INERT INGREDIENTS:.. . . .	75.6%
	100.0%

*Contains 144 grams per litre or 1.2 lbs per U.S. gallon of the active ingredient, glyphosate, in the form of the isopropylamine salt and 120 grams per litre or 1 lb per U.S. gallon of the active ingredient, 2,4-D in the form of the isopropylamine salt. Equivalent to 108 grams per litre or 0.9 lb per U.S. gallon of the acid, glyphosate and 96 grams per litre or 0.8 lb per U.S. gallon of the acid 2,4-D.

The glyphosate component of Forge herbicide is protected by U.S. Patent No. 3,799,758, and U.S. Patent No. 4,405,531. Other patents are pending.

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

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, food, or feed by storage or disposal. Do not store near fertilizers, seeds, insecticides or fungicides.

STORAGE:

STORE ABOVE 40±F to keep product in solution. If crystals form, place in a warm room (72±F), allow the product to reach room temperature and roll or shake periodically until crystals have dissolved. Keep container closed to prevent spills and contamination.

DISPOSAL:

Wastes of this pesticide may cause eye burns and may be dangerous. Improper disposal of excess pesticide, spray mixtures, or rinsate is a violation of Federal law. If these wastes cannot be disposed of according to label use instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

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

(See the individual container label for disposal information.)

GENERAL INFORMATION

This product is a postemergence herbicide for control or suppression of emerged weeds in reduced tillage systems prior to planting or emergence of wheat, barley, corn, oats, rye or sorghum (grain or forage).

This product enters the plant through the foliage and moves throughout the plant. Visual effects of control are a gradual wilting or yellowing of the plant, which advances to complete browning of above-ground growth and deterioration of affected underground plant parts. Visible symptoms will usually develop on labeled weeds within 2 to 4 days after application, but may not occur for 7 or more days. Extremely cool or cloudy weather following treatment may slow activity of this product and delay the visual effects of control.

APPLICATION PRECAUTIONS AND WARNINGS

- ± Do not plant any crop other than corn, barley, oats, rye, sorghum (grain or forage) or wheat for 3 months after treatment or until this product has disappeared from the soil.
- ± Applications of this product after planting and prior to crop emergence may cause crop injury if rainfall or environmental conditions delaying crop emergence are experienced.
- ± This product is recommended for control of emerged weeds prior to establishment of labeled crops. Large amounts of green or decaying vegetation left standing or incorporated into the seedbed may enhance the development of disease in newly planted crops. This may result in poor emergence and/or stands, especially under cool and/or wet conditions.
- ± Spraying early to control young weeds before dense stands develop or light cultivation to assist weed decay will favor preparation of suitable seedbeds.
- ± In reduced tillage and no-till systems, ensure good seed to soil contact and proper seeding depth.
- ± Do not feed or forage treated vegetation from treated areas within 8 weeks after application.
- ± DO NOT APPLY IN THE VICINITY OF 2,4-D SENSITIVE CROPS, SUCH AS COTTON, GRAPES, TOMATOES AND OTHER DESIRABLE VEGETATION.
- ± Applications should be made only when there is no hazard from spray drift since very small quantities of spray, which may not be visible, may severely injure susceptible crops or desirable vegetation.
- ± The likelihood of injury occurring to adjacent crops 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 favor spray drift.
- ± Movement of this product on soil particles during windstorms may cause damage to susceptible plants that are contacted. This hazard is reduced if rainfall occurs shortly after application.

† 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. 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.

This product is subject to all state and county regulation for 2,4-D amine.

TIMING OF APPLICATION

This product should be applied postemergence to vigorously growing weeds when they have reached the recommended size given in the "RECOMMENDED RATES AND WEEDS CONTROLLED" section of this label:.... Application should be delayed until maximum emergence of the target weeds, but before weeds exceed the maximum size recommended. For annual weeds, allow 1 day after treatment before tillage.

Reduced control may result if treatments are made during poor growing conditions such as drought stress, disease or insect damage or if weeds have been mowed, grazed or cut. Heavy dust on foliage or an overstory canopy covering targeted weeds may also reduce control.

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

RECOMMENDED RATES AND WEEDS CONTROLLED

For best results, apply this product after most weed seeds have germinated but before seedhead formation in grasses or flower bud formation in broadleaves.

When applied as directed, This product will provide control or suppression of the grass and broadleaf weed species listed below. Rates recommended are for maximum weed height at treatment time.

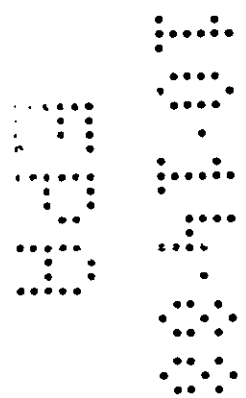
FORGE™

<u>ANNUAL WEED SPECIES</u>	<u>RATE PER ACRE</u>	<u>MAXIMUM HEIGHT</u>
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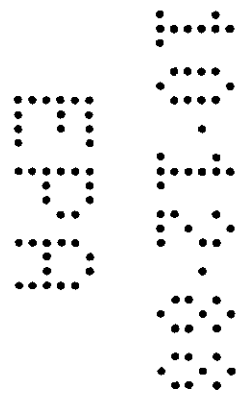
Foxtail, green	27 oz	12"
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Setaria viridis

Barley	40 oz	6"
Hordeum vulgare		
Brome, downy*		
Bromus tectorum		
Cheat*		
Bromus secalinus		
Foxtail		
Setaria spp.		
Kochia*		
Kochia scoparia		
Lettuce, prickly*		
Lactuca serriola		
Mustard, tumble		
Sisymbrium altissimum		
Oats, wild		
Avena fatua		
Puncturevine		
Tribulus terrestris		
Purslane, common		
Portulaca oleracea		



Cocklebur	40 oz	12"
Xanthium strumarium		
Lambsquarters		
Chenopodium album		
Mustard, tansy		
Descurainia pinnata		
Pigweed, redroot		
Amaranthus retroflexus		
Pigweed, smooth		
Amaranthus hybridus		
Rye		
Secale cereale		
Stinkgrass		
Eragrostis cilianensis		



Thistle, Russian
Salsola kali
Wheat
Triticum aestivum

Witchgrass
Panicum capillare

Barnyardgrass 54 oz 6"
Echinochloa crus-galli

Buffalobur
Sclanum rostratum

Chickweed, common
Stellaria media

Goatgrass
Aegilops cylindrica

Henbit
Lamium amplexicaule

Horseweed/Marestail
Conzya canadensis

Mustard, blue
Chorispora tenella

Panicum, fall
Panicum dichotomiflorum

Ryegrass, Italian
Lolium multiflorum

Oats, wild 54 oz 12"
Avena fatua

Sandbur, field
Cenchrus spp.

*For improved control in no-till systems or heavy infestations or overwintered stands, use 54 ounces.

TANK MIXTURES

Tank mixtures of this product plus atrazine, BladexTM, Bullet^R, Lariat^R or Lasso^R herbicide will provide postemergence control of listed annual weeds in reduced tillage systems. In addition, these tank mixtures

276F 30

will provide soil residual control of weeds listed on the labels for atrazine, Bladex, Bullet, Lariat or Lasso.

ANNUAL WEEDS CONTROLLED

Barnyardgrass Echinochloa crus-galli	Mustard, tansy Descurainia pinnata
Brome, downy Bromus tectorum	Panicum, fall Panicum dichotomiflorum
Chickweed, common Stellaria media	Pigweed, redroot Amaranthus retroflexus
Foxtail, green Setaria viridis	Ryegrass, Italian Lolium multiflorum
Herbit Lamium amplexicaule	Sandbur, field Cenchrus spp.
Horseweed/Marestail Conzya canadensis	Stinkgrass Eragrostis ciliataensis
Kochia Kochia scoparia	Thistle, Russian Salsola kali
Lambsquarters, common Chenopodium album	Wheat Triticum aestivum
Lettuce, prickley Lactuca serriola	Witchgrass Panicum capillare

TMBladex is a trademark of E.I. du Pont de Nemours and Company
^RBullet, Lariat and Lasso are registered trademarks of Monsanto Co.

AMMONIUM SULFATE

.....

The addition of 2 percent dry ammonium sulfate by weight (or liquid equivalent) or 17 pounds per 100 gallons of water may increase the performance of this product and tank mixtures of this product on annual 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 line. ENSURE THAT AMMONIUM SULFATE IS COMPLETELY DISSOLVED IN THE SPRAY TANK BEFORE ADDING HERBICIDES. THOROUGHLY RINSE THE SPRAY SYSTEM WITH CLEAN WATER AFTER USE TO REDUCE CORROSION.

NOTE: When using ammonium sulfate, do not use below 5 GPA of water carrier.

APPLICATION EQUIPMENT

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

This product may be applied using either ground or aerial spray equipment. Use extreme care to avoid misting or drifting of herbicide solution onto foliage, green stems or fruit of desirable crops, trees, or plants during both growing and dormant periods since even very small quantities of spray can cause severe plant injury.

GROUND APPLICATION: Apply recommended rates of this product in 3 to 10 gallons of water per acre as a broadcast spray. For optimum spray distribution and coverage, use flat fan or low volume flood nozzles. When using flood nozzles, space them no more than 40 inches apart and ensure double overlap of spray pattern. Refer to the manufacturer's recommendations for correct pressure and nozzle height above the target canopy. Avoid pressure and nozzles which produce fine droplets of mist.

Use appropriate marking devices to ensure uniform spray coverage and best results from this product.

HAND-HELD AND HIGH-VOLUME EQUIPMENT (Use Coarse Sprays Only): Mix this product in clean water and apply to foliage of vegetation to be controlled. For applications made on a spray-to-wet basis, spray coverage should be uniform and complete. Do not spray to the point of runoff.

AERIAL APPLICATION: Apply the recommended rates of this product in 3 to 5 gallons of water per acre as a broadcast spray. DO NOT APPLY DURING INVERSION CONDITIONS, WHEN WINDS ARE GUSTY, OR WHEN OTHER CONDITIONS WILL FAVOR DRIFT. DRIFT MAY CAUSE DAMAGE TO ANY VEGETATION CONTACTED TO WHICH TREATMENT WAS 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.

MIXING INSTRUCTIONS

FORGE™ ALONE

Fill the spray tank to about 3/4 of the desired volume with clean

water. Add the recommended amount of this product, then complete the filling process while maintaining agitation. Remove the hose from the mix 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, terminate by-pass and return lines at the tank bottom and/or use an agriculturally approved antifoam or defoaming agent.

Additional surfactant is not recommended for this formulation.

NOTE: Reduced results may occur if water, containing soil is used, such as water from ponds and unlined ditches.

TANK MIXTURES

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

Mix labeled tank mixtures of this product with water as follows:

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

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 should be no finer than 100 mesh and in-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.

Check label of all products used in tank mix for cleaning instructions. Clean as per the hardest material to remove.

SPRAYER CLEANUP

CLEAN THE ENTIRE SPRAYER AFTER APPLICATION OF THIS PRODUCT. Failure to clean the sprayer thoroughly may result in injury to desirable crops which are subsequently sprayed. First, add clean water to the tank and thoroughly rinse the entire sprayer system. Secondly, fill the tank with water and ammonia. Add 1 quart of household ammonia per 25 gallons of water. Pump enough solution through the hoses, boom and nozzles to fill these parts completely. Then fill the tank, close and leave for 24 hours before draining and rinsing thoroughly with water.

Application or use of other agriculture chemicals with the equipment used for this product may result in injury to desirable vegetation.

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

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