

62719-448

02/02/2006

1/25



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
62719-448

Date of Issuance:
FEB - 2 2006

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

Term of Issuance:
Conditional

Name of Pesticide Product:

Rawhide®

Name and Address of Registrant (include ZIP Code):

Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Add the phrase "EPA Registration No.62719-448 to the label before you release the product for shipment.

COMMENTS CONTINUED ON PAGE 2 OF THIS NOTICE OF REGISTRATION

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product under the enclosed stamped copy of the label constitutes acceptance of these conditions.

Enclosure

Joanne I. Miller
Product Manager (23)
Herbicide Branch
Registration Division (7505C)

Signature of Approving Official:

Joanne I. Miller

Date:

FEB 2 2006

Comments Continued:

2. Submit the following data required for the registration of this pesticide product within 1 year from the date of this "Notice of Registration":

<u>EPA Guideline Data Number</u>	<u>Guideline Descriptor</u>
830.6317	Storage Stability Study
830.6320	Corrosion Characteristics Study
 3. Delete the Editor's Notes from the label.
 4. Revise the Section "Appendix 1: Consolidated List of Label Claims" by listing only those claims that are made in the text of the labeling. Any undefined and marketing claims must be deleted.
 5. Submit one (1) copy of the final printed labeling before you release this product for shipment.
 6. Submit and/or cite all data required for the registration of this product when the Agency requires all registrants of similar products to submit data; and submit acceptable responses required for reregistration of this product under FIFRA, section 4.
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3/25

[Editor's note: The "A" portion of the master label for Rawhide contains non-crop and industrial uses.]

(Base Label).

(Logo: Dow AgroSciences

Rawhide®

A herbicide for preemergence and systemic postemergence control or suppression of broadleaf weeds and grasses in ornamental nurseries and non-crop and industrial sites

IMPORTANT: This product is phytotoxic to plant foliage. Apply as a coarse spray to the soil surface and target weeds. Do not allow spray or spray mist to contact foliage, green stems and exposed non-woody roots of desirable plants, as severe plant injury or destruction may result.

Active Ingredients:

oxyfluorfen: 2-chloro-1-(3-ethoxy-4-nitrophenoxy)	
4-(trifluoromethyl) benzene	20.3%
glyphosate: N-(phosphonomethyl) glycine,	
isopropylamine salt.....	20.3%
Inert ingredients	59.4%
Total	100.0%

ACCEPTED
with **COMMENTS**
in EPA Letter Dated:

FEB - 2 2006

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

Contains 2 lb of oxyfluorfen and 2 lb of glyphosate isopropylamine salt per gallon

Keep Out of Reach of Children

CAUTION

62719-448

Precautionary Statements

Hazards to Humans and Domestic Animals

Harmful If Inhaled

Avoid breathing spray mist.

Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made from any waterproof material such as butyl rubber, nitrile rubber or polyvinyl chloride
- Shoes plus socks

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/

4/25

maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove contaminated clothing and wash clothing before reuse.

First Aid

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

Hot Line Number: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-992-5994 day or night, for emergency treatment information.

Environmental Hazards

This product is highly toxic to aquatic invertebrates, aquatic plants, wildlife and fish. Use with care when applying in areas frequented by wildlife or adjacent to any body of water or wetland area. Do not apply when weather conditions favor drift or erosion from target areas. Runoff may be hazardous to aquatic organisms in neighboring areas. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

Physical or Chemical Hazards

Spray solutions of this product should be mixed, stored and applied using only stainless steel, aluminum, fiberglass, plastic or 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.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to the label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

Refer to label booklet for Directions for Use including Storage and Disposal.

Notice: Read the entire label. Use only according to label directions. **Before using this product, read Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies at end of label booklet. If terms are unacceptable, return at once unopened.**

Shake Well Before Using

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994. If you wish to obtain additional product information, visit our web site at www.dowagro.com.

9/25

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 62719-XXX

EPA Est. _____

[®]Trademark of Dow AgroSciences LLC

Dow AgroSciences LLC • Indianapolis, IN 46268 U.S.A.

Net Contents ___ gal

6/25

(Cover)

(Logo) Dow AgroSciences

Rawhide®

A herbicide for preemergence and systemic postemergence control or suppression of broadleaf weeds and grasses in ornamental nurseries and non-crop and industrial sites

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4-(trifluoromethyl) benzene	20.3%
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isopropylamine salt.....	20.3%
Inert Ingredients	<u>59.4%</u>
Total	100.0%

Contains 2 lb of oxyfluorfen and 2 lb of glyphosate isopropylamine salt per gallon

Keep Out of Reach of Children

CAUTION

Agricultural Use Requirements
 Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to the label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

Refer to inside of label booklet for Precautionary Statements and Directions for Use including Storage and Disposal.

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7/25

Herbicide

Net Contents _____

8/25

(Page 1 through end):

Table of Contents	Page
Precautionary Statements	-
Hazards to Humans and Domestic Animals	-
Personal Protective Equipment (PPE)	-
User Safety Recommendations	-
First Aid	-
Environmental Hazards	-
Directions for Use	-
Agricultural Use Requirements	-
Storage and Disposal	-
General Information	-
General Use Precautions and Restrictions	-
Weed Control List	-
Mixing	-
Application	-
Ornamental Nurseries, Landscapes, Christmas Trees,	-
General Non Crop Areas and Industrial Sites	-
Terms and Conditions of Use	-
Warranty Disclaimer	-
Inherent Risks of Use	-
Limitation of Remedies	-

9/25

Precautionary Statements

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Avoid breathing spray mist.

Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category **C** on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made from any waterproof material such as butyl rubber, nitrile rubber or polyvinyl chloride
- Shoes plus socks

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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

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10/25

Physical or Chemical Hazards

Spray solutions of this product should be mixed, stored and applied using only stainless steel, aluminum, fiberglass, plastic or 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 a manner inconsistent with its labeling. Read all Directions for Use carefully before applying.

Agricultural Use Requirements

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

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

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is:

- Coveralls
- Chemical-resistant gloves made from any waterproof material
- Shoes plus socks

Non-Agricultural Use Requirements

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

Keep unprotected persons out of treated area until sprays have dried.

Storage and Disposal

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

Pesticide Storage: Keep from Freezing. Store above 32°F.

Pesticide Disposal: Pesticide Wastes are toxic. Improper disposal of excess pesticide spray mixture 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.

Plastic Container Disposal: Triple rinse (or equivalent). 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.

Metal Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

11/25

Shake Well Before Using

ORNAMENTAL NURSERIES, LANDSCAPES, CHRISTMAS TREES, GENERAL NON-CROP AREAS AND INDUSTRIAL SITES

Rawhide provides postemergence and residual preemergence control of susceptible annual grass and broadleaf weeds in ornamental and plant nurseries and Christmas tree plantings, fence rows, landscape beds, industrial sites, lumber yards, manufacturing sites, ornamental nurseries, parking areas, railroads, roadsides, other areas and similar industrial and non-crop areas. Apply Rawhide as a post-directed spray around established woody and ornamental species or use to trim and edge around trees, buildings, sidewalks, roads, potted plants and other objects. This product may be used to remove unwanted vegetation and eliminate unwanted weeds in established shrub or ornamental beds, around objects and in cracks in sidewalks, driveways, roads, patios and athletic courts. Rawhide may be used in landscaped areas over the root zones without harming ornamental plants.

Cultural Practices for Optimum Weed Control

Preemergence Weed Control: For optimal preemergence activity, beds or soil surfaces to be treated with Rawhide should be smooth and free of crop and weed trash (decaying leaves, clippings, dead weeds, etc.). Leaves and trash may be removed or thoroughly mixed into the soil by prior to application. For best results, the herbicide should be activated by at least one-quarter inch (1/4 inch) of irrigation or rainfall should occur within 3 to 4 weeks after application. Preemergence weed control occurs when germinating weeds come in contact with soil-applied herbicide during emergence. For best results, treated soil surfaces should be left undisturbed during the period of time for which weed control is desired. Disturbance or redistribution of the soil surface will disrupt the herbicidal barrier in the soil surface and reduce effectiveness of Rawhide as a preemergence herbicide.

For optimum control in landscaped areas, apply Rawhide before spreading [putting down] mulch around trees and shrubs.

Postemergence Weed Control: Thorough and uniform spray coverage is essential for optimum postemergence activity. Heavy rainfall immediately after application may wash this product off weed foliage and reduce effectiveness. Avoid application if rainfall is expected within 2 to 4 hours after application. Refer to the Weeds Table for recommendations for specific weeds. The most effective postemergence weed control is achieved when Rawhide is applied to seedling weeds at the recommended growth stage. Higher rates of this product per acre within the recommended range may be necessary for control of certain weed species or when weed growth is dense or in an advanced growth stage.

General Use Precautions and Restrictions

Around established woody ornamentals, apply Rawhide only as a directed spray. Do not allow sprays or spray mist to contact foliage or stems with green bark.

IMPORTANT: This product is phytotoxic to plant foliage. Apply as a coarse spray to the soil surface and target weeds. Do not allow spray contact or mist to contact foliage, green stems and exposed non-woody roots of desirable plants, as severe plant injury or destruction may result. A shield made of plastic or cardboard is recommended to prevent spray contact with foliage or green stems of desirable ornamental plants. Do not apply when weather conditions favor drift.

DO NOT APPLY THIS PRODUCT AS AN OVER-THE-TOP SPRAY ON ORNAMENTALS AND CHRISTMAS TREES. Desirable plants may be protected from spray solution by using spray shields or a hand-held shield made of cardboard or other impermeable material. Occasionally

12/25

after the use of Rawhide, spotting, crinkling, or flecking may appear on foliage of conifer and deciduous tree species.

Use Restrictions

- Rawhide is phytotoxic to plant foliage and green stems. Do not apply when weather conditions favor drift. Avoid drift to all non-target areas.
- Do not apply to residential lawns.
- Do not apply Rawhide to exposed roots of desirable plants.
- Do not use plants treated with Rawhide for feed or forage.
- Do not allow animals to graze on areas treated with Rawhide.
- Do not treat ditch banks or waterways with Rawhide. Do not contaminate irrigation water or water used for domestic purposes.
- Do not apply Rawhide in or around an enclosed greenhouse structure as injury to plant foliage may result.
- **Aerial Application:** Do not aerially apply Rawhide.
- **Chemigation:** Do not apply this product through any type of irrigation system.

IMPORTANT: Do not attempt seeding of treated areas within 6 months after application. Treated soil must be thoroughly incorporated (mixed) to a depth of 4 inches before attempting to seed or establish transplants in a treated area. Failure to achieve thorough and complete incorporation may result in crop injury, stand reduction and/or reduction in vigor of seedlings or transplants.

Mixing Directions

Fill the spray tank at least one-third full of clean water. With the pump and agitator running, add the recommended amount of herbicides to the spray tank. The order of addition to the spray tank should be wettable powders first, flowables second and liquids last. Complete filling of the spray tank with water. For all applications of Rawhide where postemergence weed control is desired, add 2 to 4 pints of an 80% active nonionic surfactant cleared for application to growing crops per each 100 gallons of spray. The addition of 4 pints of nonionic surfactant per 100 gallons of spray is recommended to enhance postemergence activity when hard water (greater than 600 ppm) is used as carrier. Maintain agitation until spraying is completed.

Tank Mixing

Rawhide may be applied in tank mix combination with labeled rates of other products provided (1) the tank mix product is labeled for the timing and method of application for the crop or use site to be treated; (2) tank mixing with Rawhide (oxyfluorfen or glyphosate) is not prohibited by the label of the tank mix product; and (3) the tank mix combination is compatible as determined by a "jar test" described in the following "Tank Mix Compatibility Testing" section.

Tank Mixing Precautions:

- When tank mixing, read and follow all applicable use directions, precautions, and limitations on the respective tank mix product labels. In interpreting all labels for the tank mixture, the most restrictive limitations must apply.
- Do not exceed recommended application rates. Do not tank mix with another pesticide product that contains the same active ingredient as this product unless the label of either tank mix partner specifies the maximum dosages that may be used.

Tank Mix Compatibility Testing: A jar test is recommended prior to tank mixing to ensure compatibility of this product with other pesticides. Use a clear glass quart jar with lid and mix the tank mix ingredients in their relative proportions. Invert the jar containing the mixture several times and observe the mixture for approximately 1/2 hour. If the mixture balls-up, forms flakes, sludges, jels, oily films or layers, or other precipitates, it is not compatible and the tank mix combination should not be used.

13/25

Sprayer Cleanout: Residual Rawhide remaining in spray equipment may damage other crops. Thoroughly flush spray equipment (tank, pump, hoses and boom) with clean water before and after each use. To assist removal of Rawhide residues in spray equipment, a non-ionic surfactant may be added at the rate of 1 quart per 100 gallons of water during flushing.

Application Directions

Use conventional ground spray equipment with flat fan nozzles at the manufacturer's recommended pressure. For directed applications to the soil surface, apply in a spray volume of 15 or more gallons of water per acre. Increase the spray volume to ensure thorough coverage and optimum postemergence control of existing weeds. Check calibration of spray equipment before use.

Directed Applications in Woody Ornamentals: Apply Rawhide as a directed spray to the soil beneath and surrounding woody plants. Spray shields are suggested for use in young trees to prevent spray contact with greens stems or foliage.

Band Application: Dosages listed on this label are for broadcast application. For banded application, the amount of Rawhide used per acre should be reduced according to the following formula:

$$\frac{\text{Band Width (in inches)}}{\text{Row Width (in inches)}} \times \text{Rate per Broadcast Acre} = \text{Amount Needed per Acre for Banded Application}$$

Spot Application

To prevent misapplication, spot treatments should be applied with a calibrated boom or with hand sprayers using a fixed spray volume per 1,000 sq ft as indicated below.

Hand-Held Sprayers: Hand-held sprayers may be used for spot applications. Care should be taken to apply the spray uniformly and at a rate equivalent to a broadcast application. Application rates in the table are based on the application rate for an area of 1,000 sq ft. The amount of Rawhide (fl oz or ml corresponding to the desired broadcast rate) mixed in 0.5 to 2 gallons of water is sufficient to treat 1000 sq ft. To calculate the amount of Rawhide needed to treat larger areas, multiply the table value (fl oz or ml) by the thousands of sq ft to be treated. An area of 1000 sq ft is approximately 10.5 X 10.5 yards in size.

Rate Conversion Table for Spot Treatment:

Label Broadcast Rate (pt/acre)						
1	2	3	4	5	6	8
Equivalent Amount of Rawhide per 1000 sq ft						
0.37 fl oz (11 ml)	0.75 fl oz (22 ml)	1 fl oz (33 ml)	1.5 fl oz (44 ml)	1.84 fl oz (55 ml)	2.2 fl oz (66 ml)	2.94 fl oz (88 ml)

† Conversion factors: 1fl oz = 29.6 (30) ml

Application Rates

When determining an appropriate use rate where a rate range is provided, use higher rates where heavy weed pressure is anticipated, or for medium and fine soil textures with high organic matter.

Application Rates for Residual Weed Control:

45-day residual	90-day residual	120-day residual
3 pt/acre	6 pt/acre	8 pt/acre
1.0 fl oz/1000 sq ft	2.5 fl oz/1000 sq ft	2.94 fl oz/1000 sq ft

14/25

Ornamental Species

The following ornamental species are tolerant to directed applications of this product. Do not allow spray contact with foliage, green bark or exposed roots.

Deciduous Tree Species	
almond (1)	<i>Prunus spp.</i>
apple (1)	<i>Malus X domestica</i>
apricot (1)	<i>Prunus spp.</i>
ash, green	<i>Fraxinus pennsylvanica</i>
ash, white	<i>Fraxinus amencana</i>
birch, river	<i>Betula nigra</i>
cherry (1)	<i>Prunus spp.</i>
chestnut (1)	<i>Castanea spp.</i>
crabapple (1)	<i>Malus spp.</i>
dogwood	<i>Cornus florida</i>
eucalyptus	<i>Eucalyptus viminalis</i> <i>Eucalyptus pulverulenta</i> <i>Eucalyptus camaldulensis</i>
filbert (1)	<i>Corylus spp.</i>
lilac	<i>Syringa vulgaris</i>
locust, black	<i>Robinia pseudoacacia</i>
maple, black (2)	<i>Acer nigrum</i>
maple, red (2)	<i>Acer rubrum</i>
maple, sugar (2)	<i>Acer saccharum</i>
myrtle, crepe	<i>Lagerstroemia indica</i>
nectarine (1)	<i>Prunus spp.</i>
nut, hickory (1)	<i>Carya sp.</i>
nut, macadamia (1)	<i>Macadamia ternifolia</i>
oak, chestnut	<i>Quercus prinus.</i>
oak, pin	<i>Quercus palustris</i>
oak, red	<i>Quercus. rubra</i>
oak, water	<i>Quercus nigra</i>
oak, willow	<i>Quercus phellos</i>
olive, Russian	<i>Elaeagnus angustifolia</i>
poplar	<i>Populus spp.</i>
poplar, tulip	<i>Linodendron tulipifera</i>
peach (1)	<i>Prunus persica</i>
pear (1)	<i>Pyrus spp.</i>
pecan (1)	<i>Carya spp.</i>
pistachio (1)	<i>Pistacia vera</i>
plum (1)	<i>Prunus spp.</i>
prune (1)	<i>Prunus spp.</i>
redbud	<i>Cercis canadensis</i>
sweetgum	<i>Liquidambar styraciflua</i>
sycamore	<i>Platanus occidentalis</i>
walnut, black (1)	<i>Juglans nigra</i>
Evergreens	
Douglas fir	<i>Pseudotsuga menziesi</i>
fir:	
fraser	<i>Abies fraseri</i>
grand	<i>Abies grandis</i>
noble	<i>Abies procera</i>
hemlock	
eastern hemlock	<i>Tsuga canadensis</i>

19/25

pine:	
Austrian	<i>Pinus nigra</i>
eastern white	<i>Pinus strobus</i>
Himalayan	<i>Pinus wallichiana</i>
jack	<i>Pinus banksiana</i>
loblolly	<i>Pinus taeda</i>
lodgepole	<i>Pinus contorta</i>
longleaf	<i>Pinus palustris</i>
monterey	<i>Pinus radiata</i>
mugo	<i>Pinus mugo</i>
ponderosa	<i>Pinus ponderosa</i>
scotch	<i>Pinus sylvestris</i>
shortleaf	<i>Pinus echinata</i>
slasn	<i>Pinus elliotii</i>
Virginia	<i>Pinus virginiana</i>
spruce:	
blue	<i>Picea pungens</i>
dwarf Alberta	<i>Picea glauca Conica</i>
Norway	<i>Picea abies</i>
Sitka	<i>Picea sitchensis</i>
eucalyptus	<i>E. viminalis</i> <i>E. pulverulenta</i> <i>E. camaldulensis</i>
arborvitae	<i>Thuja occidentalis</i> <i>Thuja orientalis</i>
juniper	<i>Juniperus species.</i>
red cedar	<i>Juniperus virginiana</i>
western hemlock	<i>Tsuga heterophylla</i>
yew	<i>Taxus species</i>

- (1) Apply as directed to nonbearing trees. For bearing treefruit, nut and vine crops, refer to the **Tree/Nut/Vine** section of this label for use directions.
- (2) Do not apply to maple trees used for production of maple sap or maple syrup.

16/25

Weeds Controlled

Refer to use directions for a specific crop for application timing and rates.

Weeds Controlled by Preemergence Application of Rawhide:

ageratum	geranium, Carolina	panicum, Texas
amaranth, spiny	goosegrass	pepperweed, Virginia
barnyardgrass	groundcherry, cutleaf	pepperweed, yellowflower
bedstraw, catchweed	groundcherry, Wright	pigweed, prostrate
beggarweed, florida	groundsel, common	pigweed, redroot
bittercress, lesser	henbit	pimpernel, scarlet
bluegrass, annual	jimsonweed	poinsettia, wild
buckwheat, wild	johnsongrass, seedling	purslane, common
burclover	knotweed, prostrate	pusley, florida
buttercup, smallflower	ladysthumb	ragweed, common
buttonweed	lambsquarters, common	redmaids
camphorweed	lettuce, prickly	rocket, London
carpetweed	mayweed	ryegrass, Italian
cheeseweed (malva)	minerslettuce	sandbur, field
clover, red	morningglory (<i>Ipomoea</i>	sandspurry, red
clover, white	spp.)	shepherdspurse
cocklebur, common	mustard, blue	sida, prickly (teaweed)
crabgrass	mustard, common yellow	signalgrass, broadleaf
crotalaria	mustard, hedge	smartweed, pennsylvania
cutweed, narrowleaf	mustard, tumble	sorrel, red (from seed)
cupgrass, southwest	mustard, tumble (Jim hill	sowthistle, annual
cupgrass, woolly	mustard)	sowthistle, common
eveningprimrose, cutleaf	mustard, wild	speedwell, birdseye
fiddleneck, coast	nettle, burning	spurge, garden
filaree, broadleaf	nightshade, American	spurge, prostrate
filaree, redstem	black	spurge, spotted
filaree, whitestem	nightshade, black	spurry, corn
fireweed (from seed)	nightshade, hairy	tansymustard
flixweed	oats, wild	thistle, bull
foxtail	orach, red	thistle, Russian
foxtail, giant	oxalis	veivetleaf
foxtail, green	oxalis (bermuda	witchgrass
foxtail, robust purple	buttercup)	woodsorrel, yellow
foxtail, yellow	panicum, fall	

Weeds Controlled by Postemergence Applications of Rawhide:

Weed Species	Rate of Rawhide (pt/acre)		
	1-2	3-4	5-8
	Maximum Height/Length Inches		
amaranth, palmer	1-4	-	-
amaranth, spiny	1-4	-	-
balsamapple	1-4	-	-
barnyardgrass	1-4 ^{ff}	3-8	9-12
bedstraw, catchweed	1-4	-	-
bermudagrass	1-4 ^{ff}	1-4 ^{ff}	-
bittercress, lesser	1-4	-	-
bluegrass, annual	1-4 ^{ff}	8-12	-

17/25

buckwheat, wild	1-4	-	-
burclover	1-4	-	-
buttercup, smallflower	1-4	12-24	-
canarygrass (annual)	1-4	-	-
Carolina geranium	1-4	2-4	5-9
carpetweed	1-4 ^{HT}	6-12	-
cheeseweed (<i>malva parviflora</i>)	1-4	3-6	6-9
chickweed	1-4 ^{HT}	12-24	-
clover, red	1-4	-	-
clover, white	1-4	-	-
cockspur	1-4 ^{HT}	12-24	-
crabgrass	1-4	6-24	-
croton, tropic	1-4	-	-
cudweed, narrowleaf	1-4 ^{HT}	-	-
cutleaf evening primrose	1-4 ^{HT}	-	4-6
fiddleneck, coast	1-4 ^{HT}	4-6	7-12
filaree, broadleaf	1-4 ^{HT}	-	6-12
filaree, redstem	1-4 ^{HT}	-	6-12
filaree, whitestem	1-4 ^{HT}	-	6-12
fine fescue	1-4 ^{HT}	-	-
fleabane, hairy (<i>convza bonariensis</i>)	1-4 ^{HT}	-	6-9
fleabane, rough	1-4 ^{HT}	3-12	-
florida pusley	1-2	-	5-6
foxtail, giant	1-4 ^{HT}	-	-
foxtail, green	1-4 ^{HT}	-	-
foxtail, yellow	1-4 ^{HT}	-	-
geranium, Carolina	1-4 ^{HT}	-	-
goosegrass	1-4 ^{HT}	3-8	9-18
groundcherry, cutleaf	1-4	6-12	-
groundcherry, Wright	1-4	6-12	-
groundsel, common	1-4 ^{HT}	6-12	-
hemp sesbania	1-4 ^{HT}	-	5-8
henbit	1-4	4-6	7-20
horseweed/ marestalk (<i>conyza canadensis</i>)	1-4 ^{HT}	6-12	-
jimsonweed	1-4 ^{HT}	4-6	7-12
johnsongrass, seedling	1-4 ^{HT}	12-24	-
jungerice	1-4 ^{HT}	3-8	9-12
Kentucky bluegrass	1-4 ^{HT}	-	-
knotweed	1-4 ^{HT}	3-12	13-20
ladysthumb	1-4	-	-
lambquarters	1-4 ^{HT}	6-12	13-20
mayweed	1-4	-	-
minerslettuce	1-4 ^{HT}	-	-
lettuce, prickly	1-4 ^{HT}	6-20	-
London rocket	1-4 ^{HT}	6-12	-
morningglory (<i>ipomoea spp.</i>)	1-4 ^{HT}	2-4	5-6
mustard, common yellow	1-4 ^{HT}	-	-
mustard, black	1-4 ^{HT}	-	-
mustard, blue	1-4 ^{HT}	6-18	-
mustard, hedge	1-4 ^{HT}	-	-

18/25

mustard, species	1-4 ^{††}	-	-
mustard, tansy	1-4 ^{††}	6-18	-
mustard, tumble	1-4 ^{††}	6-18	-
mustard, wild	1-4 ^{††}	6-18	-
nettle, burning	1-4	-	-
nightshade, American black	1-4 ^{††}	6-18	-
nightshade, black	1-4 ^{††}	6-18	-
oxalis	1-4 ^{††}	-	-
pepperweed, Virginia	1-4 ^{††}	12-18	-
perennial ryegrass	1-4 ^{††}	-	-
pigweed, prostrate	1-4 ^{††}	12-24	-
pigweed, redroot	1-4 ^{††}	-	-
pimpernel, scarlet	1-4	-	-
poison ivy	-	1-5 ^{††}	-
poinsettia, wild	1-4	-	-
puncturevine	1-4	-	-
purslane	1-4	4-6	7-12
pusley, florida	1-4 ^{††}	-	-
ragweed, common	1-4	-	-
redmaids	1-4	6-12	-
rocket, London	1-4	-	-
ryegrass, common	1-4 ^{††}	4-6	7-18
sage, lanceleaf	1-4	-	-
sandbur, field	1-4	-	-
sandspurry, red	1-4	-	-
shepherdspurse	1-4 ^{††}	6-12	-
sicklepod	1-4 ^{††}	-	5-8
signalgrass, broadleaf	1-4 ^{††}	-	-
smartweed, ladythumb	1-4	4-8	9-12
smartweed, Pennsylvania	1-4 ^{††}	4-8	9-12
sowthistle, annual	1-4	4-6	7-12
spurge, prostrate	1-4 ^{††}	6-20	-
spurge, garden	1-4 ^{††}	6-20	-
spurge, spotted	1-4 ^{††}	6-20	-
teaweed/ prickly sida	1-4 ^{††}	-	4-6
velvetleaf, south	1-4	-	5-8
north	1-4	3-12	-

[†] Application to weeds beyond the designated size may result in partial control.

^{††} The higher rate and/or multiple applications maybe required.

Terms and Conditions of Use

If terms of the following Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid. Otherwise, use by the buyer or any other user constitutes acceptance of the terms under Warranty Disclaimer, Inherent Risks of Use and Limitations of Remedies.

Warranty Disclaimer

Dow AgroSciences warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. Dow AgroSciences MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

19/25

Inherent Risks of Use

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperature, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of Dow AgroSciences or the seller. All such risks shall be assumed by buyer.

Limitation of Remedies

The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at Dow AgroSciences' election, one of the following:

1. Refund of purchase price paid by buyer or user for product bought, or
2. Replacement of amount of product used

Dow AgroSciences shall not be liable for losses or damages resulting from handling or use of this product unless Dow AgroSciences is promptly notified of such loss or damage in writing. In no case shall Dow AgroSciences be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer and Inherent Risks of Use above and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of Dow AgroSciences or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

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EPA-accepted date: __/__/__

20/25

[Editor's note: The "B" portion of the master label for Rawhide contains residential uses.]

(Logo) Dow AgroSciences

Rawhide[®]

Herbicide

Kills existing broadleaf weeds and grasses and prevents new weeds from sprouting for up to 4 months in such areas as:

- In or around driveways, patios and sidewalks
- Along fences walkways, curbs and gutters
- Cracks in driveways, patios and sidewalks
- Around established woody ornamentals
- Over root zones in landscaped areas without harming ornamental plants

[See appendix for consolidated listing of label claims.]

IMPORTANT: This product is phytotoxic to plant foliage. Apply as a coarse spray to the soil surface and target weeds. Do not allow spray or spray mist to contact foliage, green stems and exposed non-woody roots of desirable plants, as severe plant injury or destruction may result.

Active Ingredients:

oxyfluorfen: 2-chloro-1-(3-ethoxy-4-nitrophenoxy)	
4-(trifluoromethyl) benzene	20.3%
glyphosate: N-(phosphonomethyl) glycine.	
isopropylamine salt.....	20.3%
Inert Ingredients	<u>59.4%</u>
Total	100.0%

Contains 2 lb of oxyfluorfen and 2 lb of glyphosate isopropylamine salt per gallon

Keep Out of Reach of Children

CAUTION

21/25

Precautionary Statements

Hazards to Humans and Domestic Animals

Harmful if inhaled. Avoid breathing spray mist. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove contaminated clothing and wash clothing before reuse.

First Aid

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

Hot Line Number: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-992-5994 day or night, for emergency treatment information.

Environmental Hazards

This product is highly toxic to aquatic invertebrates, aquatic plants, wildlife and fish. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters or rinsate.

Physical or Chemical Hazards

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

Refer to (back) [side] panel for Directions for Use including Storage and Disposal.

Notice: Read the entire label. Use only according to label directions. Before using this product, read Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies at end of label booklet. If terms are unacceptable, return at once unopened.

Shake Well Before Using

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 62719-XXX

EPA Est. _____

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Net Contents__

Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying.

Non-Agricultural Use Requirements

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

Keep unprotected persons out of treated area until sprays have dried.

Storage and Disposal

Pesticide Storage: Store in a cool dry place out of the reach of children and domestic animals. Store this product in the original container only. Do not allow this product to freeze.

Disposal: If empty, do not reuse this container. Place in trash or offer for recycling if available. If partially filled, call your local solid waste disposal agency or 1-800-CLEANUP (or other acceptable number) for disposal instructions. Never place unused product down any indoor or outdoor drain.

Shake Well Before Using

General Information

Rawhide[®] herbicide kills existing broadleaf weeds and grasses and prevents new weeds from sprouting for up to 4 months in such areas as:

- In or around driveways, patios and sidewalks
- Along fences walkways, curbs and gutters
- Cracks in driveways, patios and sidewalks
- Around established woody ornamentals
- Over root zones in landscaped areas without harming ornamental plants

[See appendix for consolidated listing of label claims.]

General Use Precautions and Restrictions

IMPORTANT: Contact with sprays of this product will injury or kill desirable plants. Apply as a coarse spray to the soil surface. Do not allow spray or spray mist to contact foliage, green stems and exposed non-woody roots of desirable plants, as severe plant injury or destruction may result. A shield made of plastic or cardboard is recommended to prevent spray contact with foliage or green stems of desirable ornamental plants. Groundcovers and bedding plants may be transplanted into treated areas if root systems are backfilled with untreated soil. Use in or around established ground covers or bedding plants may result in unavoidable plant injury and is not recommended.

For optimum results do not disturb the soil surface of the treated area for the period of time for which weed control is desired. Do not attempt to seed or transplant into the treated area unless soil is thoroughly mixed to a depth of 4 inches.

For optimum control in landscaped areas, apply Rawhide before spreading [putting down] mulch around trees and shrubs.

- Do not apply to any body of water.
- Do not apply to exposed roots of desirable plants.
- Rawhide is phytotoxic to plant foliage. Do not apply under windy conditions or when wind is blowing from treated area toward non-target plants.

23/25

Control of Existing Weeds: Uniformly wet target weed foliage and soil surface using a coarse low pressure spray. For best results, apply when emerged weeds are small and actively growing.

Long-term Weed Control: Rawhide prevents new weeds from growing in treated areas for up to 4 months. For best results, soil surfaces should be smooth and free of leaves, clippings, etc., and receive at least one-quarter inch (1/4 inch) of irrigation or rainfall within a few weeks after application. Use a higher rate in the rate range where heavy weed growth is expected or where long-term weed prevention is desired.

Application Directions

Hand-Held Sprayers: Use hand-held tank or back-pack sprayers may be used. A trigger sprayer may be used for treatment of small areas, cracks in sidewalks, etc. Apply the spray uniformly to the soil surface and target weeds (avoid generating mist). Use rates in table below to control existing weeds and to prevent new weeds from sprouting. Use higher rate in rate range when extended weed control for up to 4 months is desired.

If using a trigger sprayer, mix 2 to 4 tsp (10 to 20 ml) of Rawhide in 1 quart of water. A trigger sprayer can be used to treat small areas (avoid generating mist). Adjust the sprayer nozzle to produce a narrowed spray pattern or straight stream for application in confined areas, for trimming or edging around landscaped areas, walkways or driveways, or to control weeds in cracks in patios, sidewalks or driveways.

Note: Do not allow sprays or spray mist to contact foliage of desirable plants or woody plants with green stems. Use a shield made of cardboard or plastic, if necessary, to prevent spray contact with foliage of desirable plants.

Application Rates for Residual Weed Control:

45-day residual	90-day residual	120-day residual
1.0 fl oz/1000 sq ft	1.84 fl oz/1000 sq ft	2.94 fl oz/1000 sq ft
3 ml/100 sq ft	6 ml/100 sq ft	9 ml/100 sq ft

Conversion factors: 1 fl oz = 30 ml
 1 fl oz = 2 tablespoons
 1 fl oz = 6 teaspoons
 1 tablespoon = 15 ml
 1 teaspoon = 5 m.

Sprayer Cleanout: Thoroughly flush sprayer with clean water before and after each use. Residual Rawhide remaining in spray equipment can cause severe plant injury during subsequent use. To assist removal of residues in spray equipment, add a few drops of liquid detergent to the rinse water. Dispose of rinse water on bare soil surface in treatment area.

Terms and Conditions of Use

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Warranty Disclaimer

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24/25

MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

Inherent Risks of Use

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Limitation of Remedies

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1. Refund of purchase price paid by buyer or user for product bought, or
2. Replacement of amount of product used

Seller shall not be liable for losses or damages resulting from handling or use of this product unless Dow AgroSciences is promptly notified of such loss or damage in writing. In no case shall Seller be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer and Inherent Risks of Use above and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

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25/25

Appendix 1: Consolidated List of Label Claims

Kills existing broadleaf weeds and grasses and prevents new weeds from sprouting for up to 4 months in such areas as:

- In or around driveways, patios and sidewalks
- Along fences walkways, curbs and gutters
- Cracks in driveways, patios and sidewalks
- Around established woody ornamentals
- Over root zones in landscaped areas without harming ornamental plants

- Long-lasting weed and grass control
- Kills existing weeds and keeps weeds from germinating for up to 4 months
- Use before spreading [putting down] mulch
- Easy to use
- Kills unwanted weeds and grasses, roots and all
- Works two ways; kills existing weeds and keeps treated area weed-free for up to 4 months
- Apply and irrigate later the same day
- Water-based formula
- Prevents new weeds from sprouting for up to 4 months
- Safe to apply over root systems of established ornamentals
- Kills weeds in flower beds and around fences, trees, shrubs, driveways, walkways and shrubs, in and around fences, patios, paths, sidewalks, cracks and walkways
- Economical - mix 2 to 6 tablespoons (1 to 3 fl oz) per gallon [1.5 to 4.5 teaspoons per quart]
- Concentrated for extra value
- Economical concentrate
- Completely kills even the toughest weeds and grasses and keeps them from coming back
- Prevents weeds from growing in cracks in sidewalks and driveways
- Multipurpose grass and broadleaf weed control
- Visible results in 7 days
- Works for up to 4 months
- Prevents weeds from germinating for up to 4 months
- Kill moss on brick walls and patios