

228-593

02/12/2009

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505P)
1200 Pennsylvania Ave., NW
Washington, D.C. 20460

EPA Reg. Number:
228-593

Date of Issuance:
12 FEB 2009

NOTICE OF PESTICIDE:
 Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:
Conditional

Name of Pesticide Product:
NUP-08041 READY-TO-USE

Name and Address of Registrant (include ZIP Code):

Nufarm Americas Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

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

1. Submit and/or cite all data required for registration/ reregistration of your product when the Agency requires all registrants of similar products to submit data.
2. The labeled uses of this product must be identical or a subset of the currently registered uses of the end use source product identified on the submitted Confidential Statement of Formula for this product.
3. Make the following label changes listed below before you release the product for shipment:
 - a. Add the phrase, "EPA Reg. No. 228-593".

Joanne I. Miller

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

Date:
12 FEB 2009

b. Specify "Ornamental Turf Lawns". Add the following statement prominently on the front panel in order to have identical uses as the source product:

For Use by Turf Maintenance Personnel, Landscape or Commercial Applicators only.

c. In the Hazards to Humans section add:

Wear goggles, face shield or safety glasses.

d. Add the following to the Environmental Hazards section:

Most cases of groundwater contamination involving phenoxy herbicides such as 2,4-D and MCP-p have been associated with mixing/loading and disposal sites. Caution should be exercised when handling these herbicides at such sites to prevent contamination of groundwater supplies. Use of the closed systems for mixing or transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

e. Delete all references to Hose-End Spray Use. The source product and one of the active ingredients, pyraflufen ethyl, are not currently registered for this method of application.

f. Add the following statements to the labeling:

Use of this product in certain portions of California, Oregon and Washington is subject to the January 22, 2004 Order for injunctive relief in Washington Toxics Coalition, et al. v. EPA, C01-0132C, (W.D. WA). For further information, please refer to EPA Web Site: <http://www.epa.gov/espp>.

4. Submit one (1) copy of your final printed labeling before you release the product for shipment.

5. Submit the results of one year storage stability and corrosion characteristic studies to EPA within one year of this date of registration. Submit a hard copy and an electronic copy also.

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 constitutes acceptance of these conditions.

page 3
EPA Reg. No. 228-593

3/10

A stamped copy of the label is enclosed for your records.

4/10

NUP-08041

READY-TO-USE

FOR FAST, POSTEMERGENT SELECTIVE BROADLEAF WEED CONTROL IN [RESIDENTIAL] [ORNAMENTAL] TURFGRASSES.

TO CONTROL CRABGRASS, DANDELION, CLOVER, HENBIT, PLANTAINS, WILD ONION, AND MANY OTHER LISTED LAWN WEEDS.

1 QUART TREATS (COVERS) 250 SQ. FT.

1 GALLON TREATS (COVERS) 1,000 SQ. FT.

CONTAINS 2,4-D, MCPP-p, DICAMBA AND PYRAFLUFEN ETHYL

GET THE OPTICAL ADVANTAGE®

ACTIVE INGREDIENTS:

Isooctyl (2-ethylhexyl) Ester of 2,4-Dichlorophenoxyacetic Acid*	0.41600%
Dimethylamine Salt of (+)-R-2-(2-Methyl-4-Chlorophenoxy)propionic Acid**‡	0.06900%
Dicamba Acid (3,6-Dichloro-o-Anisic Acid)***	0.02700%
Pyraflufen ethyl [ethyl 2-chloro-5-difluoromethoxy-1-methyl-1H-pyrazol-3-yl)-4-fluorophenoxyacetate]****	0.00066%

OTHER INGREDIENTS:	99.48734%
TOTAL:	100.00000%

Isomer Specific Method, Equivalent to:

*2,4-Dichlorophenoxyacetic Acid	0.276%, 0.023 lbs./gal.
**(+)-R-2-(2-Methyl-4-Chlorophenoxy)propionic Acid	0.069%, 0.006 lbs./gal.
***3,6-Dichloro-o-anisic Acid	0.027%, 0.002 lbs./gal.
****Pyraflufen ethyl	0.00061%, 0.0001 lbs./gal.

‡CONTAINS THE SINGLE ISOMER FORM OF MECOPROP-p

KEEP OUT OF REACH OF CHILDREN
CAUTION
SEE INSIDE BOOKLET FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300
For Medical Emergencies Only, Call (877) 325-1840

EPA REG. NO. 228-
EPA EST. NO. 228-IL-1

Manufactured By
NUFARM AMERICAS INC.
150 Harvester Drive
Burr Ridge, IL 60527



NET CONTENTS: ___ GALS. ___ QT. ___ PT.

000228-00000.20080728.EPA.New
NUP-08041

ACCEPTED
with COMMENTS
In EPA Letter Dated:
12 FEB 2009

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

228-593

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION**

Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. Remove saturated clothing as soon as possible and shower. Do not apply this product in a way that will contact any person, pet, either directly or through drift. Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment areas until spray has dried.

FIRST AID	
IF SWALLOWED	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF IN EYES	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER	
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.</p>	

ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic invertebrates. This product may contaminate water through drift of spray in wind or via runoff events. Use care when applying in areas adjacent to any body of water. To prevent contamination of the environment, do not apply near water, storm drains, gutters or ditches. Do not apply when rain is predicted for that day or when wind is strong enough to carry spray away from treatment area.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. READ ENTIRE LABEL BEFORE USING THIS PRODUCT. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.

USE PRECAUTIONS

For turf use, the maximum number of broadcast applications per treatment site is 2 per year. Failure to observe all precautions may result in injury to turf and/or susceptible plants.

PRODUCT INFORMATION

This product combines four proven active ingredients [2,4-D, MCPP-p, Dicamba and Pyraflufen] to provide broad spectrum control of broadleaf weeds. This herbicide is absorbed by foliage and roots of weeds and translocated throughout the plant.

USE AS DIRECTED TO CONTROL THE FOLLOWING WEEDS:

BROADLEAF WEEDS

- | | | | |
|----------------------------|--------------------|--------------------|------------------------|
| Alder | Blessed thistle | Burning nettle | Coffeebean |
| Annual yellow sweet clover | Blue lettuce | Bur ragweed | Coffeeweed |
| Artichoke | Blue vervain | Burweed | Common chickweed |
| Aster | Box elder | Buttercup | Common mullein |
| Austrian fieldcress | Bracted plantain | Canada thistle | Common sowthistle |
| Bedstraw | Brassbuttons | Carolina geranium | Corn chamomile |
| Beggartick | Bristly oxtongue | Carpetweed | Creeping Jenny |
| Biden | Broadleaf dock | Catchweed bedstraw | Crimson clover, croton |
| Bindweed | Broadleaf plantain | Çatsear | Cudweed |
| Bird vetch | Broomweed | Catnip | Curly dock |
| Bitterweed | Buckhorn | Chickweed | Curly indigo |
| Bitter wintercress | Buckhorn plantain | Chicory | Dandelion |
| Black-eyed Susan | Bulbous buttercup | Cinquefoil | Dead Nettle |
| Black medic | Bull nettle | Clover | Dock |
| Black mustard | Bull thistle | Cockle | Dogbane |
| Blackseed plantain | Burdock | Cocklebur | Dogfennel |

(continued)

BROADLEAF WEEDS (continued)

Elderberry	Locoweed	Ragweed	Thistle
English daisy	Lupine	Red clover	Tick trefoil
Fall dandelion	Mallow	Redroot pigweed	Toadflax
False dandelion	Marshelder	Red sorrel	Trailing crown vetch
False flax	Matchweed	Redstem filaree	Tumble mustard
False sunflower	Mexicanweed	Rough cinquefoil	Tumble pigweed
Fiddleneck	Milk vetch	Rough fleabane	Tumbleweed
Field bindweed	Milkweed bloodflower	Roundleafed marigold	Velvet leaf
Field pansy	Mugwort	Rush	Venice mallow
Flea bane (Daisy)	Morningglory	Russian pigweed	Veronica
Flixweed	Mouseear chickweed	Russian thistle	Vervain
Florida betony	Musk thistle	St. Johnswort	Vetch
Florida pusley	Mustard	Scarlet pimpernel	Virginia buttonweed
Frenchweed	Narrowleaf plantain	Scotch thistle	Virginia creeper
Galinsoga	Narrowleaf vetch	Sheep sorrel	Virginia pepperweed
Garlic mustard	Nettle	Shepherdspurse	Wavyleaf bullthistle
Goathead	Nutgrass	Slender plantain	Western clematis
Goatsbeard	Orange hawkweed	Smallflower galinsoga	Western salsify
Goldenrod	Oxalis	Smartweed	White clover
Ground ivy	Oxeye daisy	Smooth dock	White mustard
Gumweed	Parsley-piert	Smooth pigweed	Wild mustard
Hairy bittercress	Parsnip	Sneezeweed southern wild rose	Wild aster
Hairy fleabane	Pearlwort	Sowthistle	Wild buckwheat
Hawkweed	Pennycress	Spanishneedle	Wild carrot
Healall	Pennywort	Spatterdock	Wild four-o'clock,
Heartleaf drymary	Peppergrass	Speedwell	Wild geranium
Hedge bindweed	Pepperweed	Spiny amaranth	Wild lettuce
Hedge mustard	Pigweed	Spiny cocklebur	Wild marigold
Hemp	Pineywoods bedstraw	Spotted catsear	Wild parsnip
Henbit	Plains coeopsis	Spotted knapweed	Wild radish
Hoary cress	Plantain	Spotted spurge	Wild rape
Hoary plantain	Poison hemlock	Spurge	Wild strawberry
Hoary vervain	Poison ivy	Spurweed	Wild sweet potato
Honeysuckle	Poison oak	Stinging nettle	Wild vetch
Hop clover	Pokeweed	Stinkweed	Willow
Horsenettle	Poorjoe	Stichwort	Witchweed
Horsetail	Povertyweed	Strawberry clover	Woolly morningglory
Indiana mallow	Prickly lettuce	Sumac	Woodsorrel
Ironweed	Prickly sida	Sunflower	Woolly croton
Jewelweed	Primrose	Sweet clover	Woolly plantain
Jimsonweed	Prostrate knotweed	Tall nettle	Wormseed
Kochia	Prostrate pigweed	Tall vervain	Yarrow
Knawel	Prostrate spurge	Tansy mustard	Yellow Rocket
Knotweed	Prostrate vervain	Tansy ragwort	Yellow flower pepperweed
Lambsquarter	Puncture vine	Tanweed	and other broadleaf weeds
Lespedeza	Purslane	Tarweed	

USE TIPS

GENERAL TIPS

- Shake well before using.
- Spray during the growing season when weeds are young and growing actively.
- For best results, do not mow for 2 days before or after treating.
- Avoid entire lawn treatments when air temperature exceeds 90°F.
- Do not allow spray to get on ornamental plants or vegetables since injury may result. Do not spray around roots of ornamentals and trees.
- Avoid sprays which are too fine because they can drift and damage other plants.
- If certain tough weeds are not dead within 3 weeks, repeat application. Broadcast application is not necessary, follow spot treatment directions.

TIMING

- Apply this product to actively growing weeds as a postemergence spot treatment. Follow-up applications may be required for dense infestations of broadleaves.
- **Newly seeded areas:** Do not apply to newly seeded grasses until after the second mowing.

- **Newly sodded, Sprigged, or Plugged Areas:** Application should be delayed until 3 to 4 weeks after the sodding, sprigging, or plugging operations.
- **Reseeding:** Treated areas may be reseeded 2 weeks after application.
- **Mowing:** Do not mow for 2 days before or 2 days after application.

IRRIGATION AND RAINFALL

- If soil moisture is not sufficient prior to application, irrigation may improve weed control. For best results, do not water or irrigate for 24 hours after application.
- Rain or watering within 4 hours after treatment may reduce effectiveness.
- If rainfall does not occur in 2 to 7 days after application, irrigation of at least one-half inch is required.

USE SITES

This product is a ready-to-use herbicide designed for the treatment of individual weeds and weed patches. This product can be applied postemergence to the following turfgrasses.

Cool Season Turfgrass

- Bluegrass
- Fescue
- Ryegrass
- Bentgrass

Warm Season Turfgrass

- Bahiagrass
- Bermudagrass, Common
- Centipedegrass
- St. Augustinegrass
- Zoysiagrass

Note: Do not apply to Floratam variety of St. Augustinegrass. Contact you local county extension agent if you are not sure as to what type of grass you have.

Important: Temporary discoloration may occur on St. Augustinegrass, Centipedegrass and Bentgrass lawns.

HOW TO USE

[Optional Picture]

- For sprayer with spray head or trigger separate from the spray bottle, first connect trigger to spray bottle.
- Grasp container and point sprayer away from body.
- Adjust spray nozzle to desired setting.
- Squeeze trigger and direct spray to target weed(s).
- Apply enough product to cover the target weed(s), spray to wet the weed leaf surface.
- One application should be sufficient.
- Effects begin to show after 24 to 48 hours.
- A repeat application may be required in 3 to 4 weeks for hard to kill (or control) weed(s).
- To obtain wider coverage, raise container.
- *Optional text: [1 gallon covers 1,000 square feet], [1 quart covers 250 square feet]*

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: This product should be stored in its original container in a cool, dry locked place out of the reach of children and out of direct sunlight. Do not use or store near heat or open flame. Store at temperatures above 32°F. If allowed to freeze, remix before using. This does not alter this product. Containers should be opened in well ventilated areas. Keep container tightly sealed when not in use. Do not stack cardboard cases more than two pallets high. Do not store near open containers of fertilizer, seed or other pesticides.

PESTICIDE DISPOSAL: To avoid wastes, use all material in this container by application according to label directions. If waste cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds, after the flow begins to drip. Fill the container 1/4 full with water and soap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed

WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF

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If you do not agree with or do not accept any of directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

(NEW)

Optical Advantage is a registered trademark of Nufarm Americas Inc.

OPTIONAL CONTAINER LANGUAGE:

Containers: Non-refillable container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank, and drain for 10 seconds, after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Once clean, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer.

Returnable-Refillable Containers: Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collections system.

[Optional Box]

PRODUCT FACTS

What it Does:

Kills all Major Broadleaf Weeds including Chickweed, Clover, Dandelion and Grassy Weeds including Crabgrass. (See inside for complete list)

Where to Use: (Icon weeds)

Lawns: Kills the Weeds not the Lawn.

When to Use:

Avoid broadcast applications when air temperatures exceeds 90°F.

Questions and Comments: (Icon phone) (icon computer)

Call xxxxxxxx or visit our website at www.xxxxxxxx

MEASUREMENT CALCULATIONS

3 teaspoons = 1 Tablespoon	1 fluid ounce = 6 teaspoons
1/2 fluid ounce = 3 teaspoons	1 fluid ounce = 2 Tablespoons
1/2 fluid ounce = 1 Tablespoon	4 fluid ounces = 1/2 cup

OPTIONAL MARKETING CLAIMS - FRONT PANEL

- Fast acting
- Speed formulation
- See results in 24 hours
- Overnight results
- Kills tough weeds fast
- Kills All Major Broadleaf Weeds
- Kills Dandelion, Clover and Other Broadleaf Weeds
- Kills Dandelion, Clover and Other Listed Broadleaf Weeds
- Controls weeds such as dandelion, chickweed, henbit, oxalis, plantain, and many more
- Use When Weeds Are Actively Growing
- Kills the Weeds, Not the Lawn®
- Rainproof in Hours - Won't Wash Away
- Won't Harm the Home Lawn
- Illustration(s) of various weeds listed on label
- Easy to Use
- For Thick, Weed-Free Turf
- Four Way Control
- Apply to a Moist Lawn
- One Quart Covers Up To 8,000 Square Feet, (One XXX covers up to XX,XXX square feet)
- Easy to Mix
- Just Add Water
- New Formulation
- Rainproof in hours - won't wash away
- Kills 250+ weed types
- Kills over 250 weeds listed
- Kills over 250 weeds
- Controls over 250 weeds
- May be used in Bahia, Common Bermuda, bluegrass, centipede, fescue, ryegrass, St. Augustine and Zoysiagrass
- For fast results without sacrificing control
- Fast results

ALTERNATE HOSE-END SPRAYER INSTRUCTIONS

How To Use:

(Illustrations)

1. Attach garden hose to spray nozzle.
2. Turn on water supply.
3. Bend safety tab down and turn control to "water"
4. Point nozzle toward lawn and turn control to "on". Product will automatically mix with water. Walk back and forth at a steady pace.