

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

401 "M" St., S.W. Washington, D.C. 20460

NOTICE OF PESTICIDE:

\_x Registration
\_\_ Reregistration

(under FIFRA, as amended)

EPA Reg. Number:

33906-18

JAN 31 2005

Term of Issuance:
Conditional

Name of Pesticide Product:

NC-319 75WG T Turf Herbicide

Name and Address of Registrant (include ZIP Code):

Nissan-Chemical Industries. Ltd Kowa-Hitotsubashi Building 7-1, 3 Chome Kanda-Nishiki-Cho Chiyoda-Ku, Tokoyo 101-0054, Japan

**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 section 3(c)(7)(A)provided that you:

- 1. Submit/cite all data required for registration/reregistration of your product when the Agency requires all registrants of similar products to submit such data.
- 2. Make the labeling changes listed below before you release the product for shipment.
- a. Add the phrase "EPA Registration No. 33906-18."
- b. Place your active ingredient statement on the front panel of your label.
- c. Add the statement "Not for use on turf being grown for sale or other commercial use as sod, or commercial seed production, or for research purposes to your label. Alternately, add the Agricultural Use Requirements box to your label.
- d. On page 3, revise the second sentence under Directions for Use to read "This product can only be used in accordance with the Directions for Use on this label or in separately published Nissan supplemental labeling.
- e. On page 4, under General Information delete the phrase "and other similar sites" and replace with a list of specific use sites.

Signature of Approving Official:
• /
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Date:

1-31-05

- f. On the supplemental label entitled "FOR USE ON ROADSIDES AND OTHER INDUSTRIAL SITES AND FOR HORSETAIL CONTROL" delete the phrase "other industrial sites" from the first sentence under "Roadsides and Other Industrial Sites" and replace it with a list of specific use sites.
- 3. Submit three (3) copies of your final printed labeling incorporating the above changes before you release the product for shipment.

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.

A stamped copy of labeling is enclosed for your records.

#### NC-319 75WG T TURF HERBICIDE

#### BY Nissan<sup>1</sup>

#### **Complete Directions For Use Pamphlet**

EPA Reg. No. 33906		
NC-319 75WG T herbicide is a selective herbicide for the control of nutsedge and other weeds in turfgrass and landscaped areas.		
2004-1		
Read the entire label before using this produ	uct.	
Use only according to label instructions.		
Read "LIMIT OF WARRANTY AND LIAI once unopened.	BILITY" before buying or using. If terms are not acceptable, return at	
	N DOES NOT INTEND AND HAS NOT REGISTERED IT FOR CONTAINER LABEL FOR REPACKAGING LIMITATIONS.	
PREC	AUTIONARY STATEMENTS	
Hazards	to Humans and Domestic Animals	
Keep out of reach of children.	ACCEPTED with COMMENTS	
CAUTION!	In EPA Letter Dated:  JAN 31 2005	
CAUSES EYE IRRITATION.	Under the Federal Inscottistic.	
HARMFUL IF SWALLOWED.	Function, and Rudendelde net, as amended, for the posticide registered under EPA Reg. No. 3 3706-18	
Avoid contact with eyes or clothing.	and the same of th	

Wash thoroughly with soap and water after handling.

Avoid contact with eyes or clothing.

<sup>1 &</sup>quot;Nissan" represents "Nissan Chemical Industries, Ltd.".

	FIRST AID
IF IN EYES	Hold eye open and rinse slowly and gently with water for 15-20 minutes.
	• Remove contact lenses, if present, after 5 minutes, then continue rinsing eye.
	Call poison control center or physician for treatment advice.
IF SWALLOWED	Call poison control center or physician immediately for treatment advice.
•	Remove visible particles from mouth.
	Have person rinse mouth thoroughly with water, spit out rinse water.
	Have person sip a glass of water if able to swallow.
	Do not induce vomiting unless told to do so by the poison control center or doctor.
	Do not give anything by mouth to an unconscious person.

- Have the product container or label with you when calling a poison control center or physician, or going for treatment.
- In case of an emergency involving this product, call collect, day or night, (713) 532-4745.
- This product is identified as NC-319 75WG T Herbicide, EPA Reg. No. 33906-

#### Personal Protective Equipment (PPE)

Applicators and other handlers must wear: long-sleeved shirt and long pants and shoes plus socks. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, 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 Standard (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 clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

#### Environmental Hazards

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 when disposing of equipment washwaters.

This chemical demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

#### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any manner inconsistent with its labeling. This product can only be used in accordance with the Directions For Use on this.

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.

#### 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 people off treated areas until spray solution has dried.

For more product information, call (713) 532-4745.

#### Storage and Disposal

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

**PESTICIDE STORAGE:** Store under cool, dry conditions (below 120° F). Do not store under moist conditions.

**PESTICIDE DISPOSAL**: Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, state or local procedures, or in such other method as approved under those procedures.

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

Plastic container. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture ad dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Paper or plastic bag, completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

INSTRUCTIONS FOR WATER DISPERSIBLE GRANULE IN 1.3 OUNCE BOTTLE:

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

INSTRUCTIONS FOR WATER DISPERSIBLE GRANULE PREMEASURED IN WATER SOLUBLE BAG:

Completely use water soluble bags in application equipment. Then dispose of empty foil pouch and cardboard box in a sanitary landfill, or by incineration, or by burning, if allowed by state and local authorities. If burned, stay out of smoke.

DISPOSAL AUTHORITIES: If none of the foregoing procedures is permitted by state and local authorities, then contact your State Pesticide or Environmental Control Agency, or your local Hazardous Waste Disposal office, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

#### **GENERAL INFORMATION**

NC-319 75WG T herbicide is a selective herbicide for postemergence control of sedges such as purple and yellow nutsedge in established lawns, ornamental turfgrass, and landscaped areas. NC-319 75WG T herbicide may be applied to commercial and residential turf and on other noncrop sites including: airports, cemeteries, fallow areas, golf courses, landscaped areas, public recreation areas, residential property, roadsides, school grounds, sports fields, landscaped areas with established woody ornamental and other similar sites.

#### **TURFGRASSES**

When applied as directed under the conditions described, the following established turfgrasses are tolerant to this product:

#### Cool-Season Grasses

Bentgrass, creeping

Fescue, fine

Agrostis stolonifera

Festuca rubra

Bluegrass, Kentucky

Fescue, tall

Poa pratensis

Festuca arundinacea

Ryegrass, perennial Lolium perenne

#### Warm-Season Grasses

Bahiagrass

Seashore paspalum

Paspalum notatum

Paspalum vaginatum

Bermudagrass

St. Augustinegrass

Cynodon dactylon

Stenotaphrum secundatum

Centipedegrass

Zoysiagrass

Eremochloa ophiuroides

Zoysia japonica

Kikuyugrass

Pennisetum clandestinum

#### ESTABLISHED WOODY ORNAMENTALS IN LANDSCAPED AREAS

This product may be applied at recommended rates as a post-directed spray around any established woody ornamental species in landscaped areas. For transplanted woody ornamentals, allow three months after transplanting before applying this product.

**NOTE:** Avoid contact of this product to leaves of desirable plants since foliar injury, discoloration or death may result.

#### **FALLOW TREATMENTS**

This product may be used on fallow areas prior to the establishment of turfgrass or woody ornamental plants. Allow 4 weeks between application and seeding or sodding of turfgrass, or transplanting woody ornamentals.

#### WEEDS CONTROLLED

When applied postemergence, this product will control the following weeds:

Purple nutsedge

Yellow nutsedge

Cyperus rotundus

Cyperus esculentus

When applied postemergence, this product will suppress the following weed:

Kyllinga spp.

#### APPLICATION DIRECTIONS

Rates and Timing of Application

#### **Broadcast Applications:**

For postemergence control of purple or yellow nutsedge found in established turfgrass, apply 2/3 to 1 1/3 ounces by weight of this product per acre (0.031 to 0.062 pound active ingredient per acre) after nutsedge has reached the 3- to 8-leaf stage of growth. Use the lower rate in light infestations and the higher rate in heavy infestations.

A second treatment may be required 6 to 10 weeks after the initial treatment. As a sequential treatment, when new purple or yellow nutsedge plants have reached the 3- to 8-leaf stage of growth, apply 2/3 to 1 1/3 ounces by weight of this product per acre (0.031 to 0.062 pound active ingredient per acre). Use the lower rate in light infestations and the higher rate in heavy infestations. No more than 4 applications can be made with the total use rate not exceeding 5 1/3 ounces by weight of this product (0.25 pound active ingredient) per acre per use season.

Use 0.25-0.5 percent v/v of a nonionic surfactant (1-2 quarts per 100 gallons of spray solution) for broadcast applications. For high volume applications, DO NOT exceed 1 quart of surfactant per acre. Use only nonionic surfactants which contain at least 80 percent active material.

#### **Spot Treatments:**

Mix 0.9 gram of this product in one or two gallons of water to treat 1000 square feet. Add 2 teaspoons (1/3 fluid ounce) of nonionic surfactant per gallon of water.

INSTRUCTIONS FOR WATER DISPERSIBLE GRANULE IN 1.3 OUNCE BOTTLE: Mix 0.9 gram of this product (using the measuring scoop provided) in one or two gallons of water to treat 1000 square feet. Add 2 teaspoons (1/3 fluid ounce) of nonionic surfactant per gallon of water. Ensure the product is measured as a level scoop and not rounded.

INSTRUCTIONS FOR WATER DISPERSIBLE GRANULE PREMEASURED IN WATER SOLUBLE BAG: Add one (1) water soluble bag of this product per one or two gailons of water in a hand-held or backpack sprayer to treat 1000 square feet. Add 2 teaspoons (1/3 fluid ounce) of a nonionic surfactant per gallon of spray solution. Mix or shake thoroughly for at least two minutes to ensure that the water soluble bag and ingredients are completely dispersed. Occasionally shake the spray solution while spraying to ensure that it remains thoroughly mixed.

Spray the target weeds thoroughly and wet the entire leaf surface of the undesirable plants.

DO NOT exceed the recommended amount of surfactant due to the potential for turf injury at higher rates. Refer to the surfactant label and observe all precautions, mixing and application instructions.

## TANK MIX WITH ROUNDUP PRO® HERBICIDE IN LANDSCAPED AND FALLOW AREAS AND TURF RENOVATION

This product may be tank mixed with Roundup Pro herbicide for application as a directed spray in landscaped or fallow areas.

#### APPLICATION EQUIPMENT AND INSTRUCTIONS

Calibrate application equipment prior to application of this product. Application should be uniform and of sufficient volume to avoid streaking or skips. Avoid excessive overlap of the spray.

#### **USE PRECAUTIONS**

For optimum results, do not mow turf for 2 days before or 2 days after application.

This product is effective if no rainfall occurs within 3 hours, but best results are obtained with no rainfall or irrigation for at least 4 hours.

This product may be used on seeded, sodded, or sprigged turfgrass that is well established. Allow the turf to develop a good root system and uniform stand before application.

Treated areas may be overseeded with annual or perennial ryegrass or bermudagrass, 2 weeks after application.

Color plants or herbaceous ornamentals may be injured when transplanted into landscaped areas treated with NC-319 75WG T herbicide.

Avoid application of NC-319 75WG T herbicide when turfgrass or nutsedge is under stress since turf injury and poor nutsedge control may result.

Do not apply as an over-the-top spray to desirable flowers, ornamentals, vegetables, shrubs or trees.

Do not apply this product to golf course putting greens.

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

#### ACTIVE INGREDIENT:

*Halosulfuron-methyl	.75.0%
OTHER INGREDIENTS:	25.0%
<del>-</del>	100.0%

<sup>\*</sup> Manufactured by Nissan Chemical Industries, Ltd.

Product is protected by U.S. Patent No. 4,668,277.

#### 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 pamphlet ("Directions") when used in accordance with those Directions under the conditions described therein. NO OTHER EXPRESS WARRANTY OR IMPLIED WARRANTY OF FITNESSS 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.

This Company does not warrant any product reformulated or repackaged from this product except in accordance with this Company's stewardship requirements and with express written permission from this Company.

THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE LIMIT OF THE LIABLITIY 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 LIABLILITY which may not be varied by any verbal or written agreement.

Product is protected by U.S. Patent No. 4,668,277.

Roundup Pro is registered trademarks of Monsanto Technology LLC.

EPA Reg. No. 33906-xxx

In case of emergency involving this product, Call day or night, (713) 532-4745.

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Formulated in the United States Using Active Ingredient Made in Japan.

#### SUPPLEMENTAL LABELING

READ AND FOLLOW THE ENTIRE LABEL FOR NC-319 75WG T TURF HERBICIDE BEFORE PROCEEDING WITH THE USE DIRECTIONS CONTAINED IN THIS SUPPLEMENTAL LABELING.

"Label" as used in this supplemental labeling refers to the label booklet for NC-319 75WG

T Turf herbicide and this supplement.

### NC-319 75WG T

EPA Reg. No. 33906-\_\_\_\_

# FOR USE ON ROADSIDES AND OTHER INDUSTRIAL SITES AND FOR HORSETAIL CONTROL.

Keep out of reach of children CAUTION!

In case of emergency involving this product, Call, day or night, 713-532-4745

#### **DIRECTIONS FOR USE**

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

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

**NOTE:** Applications of this product should not contact leaves of desirable plants since foliar injury, discoloration or death may result.

#### Roadsides And Other Industrial Sites

This product may be applied at recommended rates as a postemergence spray on roadsides and other industrial sites. See the label booklet for application instructions, rate recommendations, weeds controlled and proper growth stage.

When applied postemergence, this product will suppress the following weeds: cocklebur, common sunflower, common ragweed, giant ragweed, pigweed, and velvetleaf.

This product may be tank mixed with Roundup Pro® herbicide.

#### Control of Horsetail (Equisetum arvense)

For post-emergence control of horsetail (*Equisetum arvense*) apply 2 1/3 ounces of this product per acre, or 1.8 grams of this product per 1000 sq. ft. (0.125 pound active ingredient per acre) after

horsetail has leafed out. This rate of product will control horsetail that is less than 6" tall and suppress horsetail that is greater than 6" tall.

Herbicide symptoms are likely to show within 2 weeks as a necrotic ring at the base of the plant, even though the leaves and stems remain green and a deep leathery green in color.

Read "LIMIT OF WARRANTY AND LIABILITY" in the label booklet for NC-319 75WG T before using this product. Those terms apply to this supplemental labeling and, if those terms are not acceptable, return the product unopened at once.

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Kowa Hitotsubashi Building, 7-1, 3-chome, Kanda-Nishiki-cho, Chiyoda-ku, Tokyo 101-0054, JAPAN

2004-09-01

ACCEPTED with COMMENTS In EPA Letter Dated:

Under the Federal Institution of the Federal Institution of the position of the position registered under FPA Reg. No. 33906-18

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide

#### SUPPLEMENTAL LABELING

HERBICIDE BEFORE PROCEEDING WITH THE USE DIRECTIONS
CONTAINED IN THIS SUPPLEMENTAL LABELING.

"Label" as used in this supplemental labeling refers to the label booklet for NC-319 75WG

T Turf herbicide and this supplement.

## NC-319 75WG T

EPA Reg. No. 33906-\_\_\_\_

# NC-319 75WG T TURF HERBICIDE FOR USE AROUND ESTABLISHED. WOODY ORNAMENTALS, FALLOW LAND AND FOR HORSETAIL CONTROL.

# Keep out of reach of children CAUTION!

In case of emergency involving this product, Call, day or night, 713-532-4745

#### **DIRECTIONS FOR USE**

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

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

## ESTABLISHED WOODY ORNAMENTALS

This product may be applied at recommended rates as a post directed spray around any established woody ornamental species. See the label booklet for application instructions, rate recommendations, weeds controlled and proper weed growth stage.

For transplanted woody ornamentals, allow 3 months after transplanting before applying this product.

NOTE: Applications of this product should not contact leaves of desirable plants since foliar injury, discoloration or

death may result.

#### FALLOW TREATMENTS IN TURFGRASS AND ORNAMENTAL PRODUCTION AREAS

This product may be used on fallow land prior to establishing turfgrass or ornamental plants. See the label booklet for application instructions, rate recommendations, weeds controlled and proper growth stage. Allow 4 weeks between application and seeding or transplanting.

#### **ROADSIDES**

This product may be applied at recommended rates as a post-emergence spray on roadsides. See the label booklet for application instructions, rate recommendations, weeds controlled and proper growth stage.

#### CONTROL OF HORSETAIL

(Equisetum sp.)

For post-emergence control of horsetail (Equisetum sp.) apply 1 1/3 ounces of this product per acre (0.062 pound active ingredient per acre) after horsetail has leafed out.

Read "LIMIT OF WARRANTY AND LIABILITY" in the label booklet for NC-319 75WG T before using this product. Those terms apply to this supplemental labeling and, if those terms are not acceptable, return the product unopened at once.

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2004-09-01