


Reg # 45639-76

PM-25

125

Please read instructions on reverse before completing form.

Form Approved OMB No. 2070-0060. Approval expires 11-30-93

(A) 	United States Environmental Protection Agency Office of Pesticide Programs (H7505C) Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number 190117
	Application for Pesticide:		

Section I

1. Company/Product Number 45639-76	2. EPA Product Manager Robert Taylor	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) SPIN-AID® Herbicide	PM# 25	
5. Name and Address of Applicant (Include ZIP Code) NOR-AM Chemical Company Little Falls Centre One 2711 Centerville Road Wilmington, DE 19808 <input checked="" type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section II

<input type="checkbox"/> Amendment - Explain below	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)


Submission of label amended as per PR Notice 93-3:
Environmental Hazards Section modified.NOTIFICATION
LABEL NOT REVIEWED
PER PR NOTICE 93-3

DATE 7/1/93

Section III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____	
* Certification must be submitted.		If "Yes," Unit Package wgt. _____ No. per container _____	If "Yes," Package wgt. _____ No. per container _____		
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) of Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed To Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled <input type="checkbox"/> Other (Specify) _____					

Section IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Lesley Palmer Czocho, Ph.D.	Title Registration Project Manager	Telephone No. (Include Area Code) 302/892-3049
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Registration Project Manager	
4. Typed Name Lesley Palmer Czocho	5. Date 6/8/93	

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SPECIMEN LABEL

LABEL NOT REEVALUATED
PER PM NOTICE 88-4

DATE

7/1/93

FOR AGRICULTURAL USE ONLY

BEST AVAILABLE CO.

Spin-aid®

HERBICIDE

Postemergence herbicide for control of weeds in spinach (grown for processing and seed only) and red beets

ACTIVE INGREDIENT:

Phenmedipham*

INERT INGREDIENTS:

*3-methoxycarbonylamino-phenyl-3-methylcarbanilate

Contains 1.3 lbs. active ingredient per gallon.

This product contains the toxic inert ingredient isophorone.

15.9%

84.1%

TOTAL

100.0%

EPA Reg. No. 45639-76

EPA Est. No. 407-MN-1

PRECAUCION AL USUARIO: Si usted no lee inglés no use este producto hasta que la etiqueta haya sido explicada ampliamente.

KEEP OUT OF REACH OF CHILDREN

WARNING — AVISO

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or poison control center. Do not induce vomiting.

NOTE TO PHYSICIAN: Empty stomach contents by gastric lavage. Avoid aspiration.

IF IN EYES: Flush with plenty of water. Get medical attention.

IF ON SKIN: Wash immediately with plenty of soap and water.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONS

DO NOT REUSE THIS CONTAINER



NOR-AM

NOR-AM CHEMICAL COMPANY

A Chemagro Company

3500 Silverdale Road, P.O. Box 7493

Wilmington, DE 19803

NET CONTENTS

U.S. Patent No. 3,804,876

U.S. Patent No. 3,891,420

PRECAUTIONARY STATEMENTS

WARNING

HAZARDS TO HUMANS: HARMFUL IF SWALLOWED. MAY PRODUCE SEVERE IRRITATION OF EYES AND IRRITATION OF SKIN. AVOID BREATHING SPRAY MIST. AVOID CONTACT WITH SKIN AND EYES.

Do not apply when weather conditions favor drift from treated areas.

AVOID CONTAMINATION OF FEED AND FOOD-STUFFS.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish and aquatic organisms. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to fish and aquatic organisms in adjacent aquatic sites. Do not contaminate water by cleaning of equipment or disposal of wastes.

STORAGE AND DISPOSAL

STORAGE: Store in original container and keep closed. Store in a cool, dry place. Do not use or store near heat or open flame.

PESTICIDE DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

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.

IN CASE OF FIRE, LEAKY, OR DAMAGED CONTAINERS, OR OTHER EMERGENCY, REPORT AT ONCE BY TOLL-FREE TELEPHONE TO 800-424-9300.

GENERAL INFORMATION

SPIN-AID® is a selective postemergence herbicide for use in spinach (grown for processing and seed) and red (table) beets.

Note: Use SPIN-AID on spinach only when temperatures are below 75°F in order to prevent possible injury. SPIN-AID is effective for control of the following weeds:

Wild mustard *Brassica kaber*
Common lambsquarters *Chenopodium album*
Shepherdspurse *Capsella bursa-pastoris*
London rocket *Sisymbrium irio*
Nettleleaf goosefoot *Chenopodium murale*
Groundcherry *Physalis lanceifolia*
Coast fiddleneck *Amsinckia intermedia*
Common chickweed *Stellaria media*
Purslane *Portulaca oleracea*
Common ragweed *Ambrosia artemisiifolia*
Annual sowthistle *Sonchus oleraceus*

For best results, spray when the weeds are at the two-leaf stage.

USE PRECAUTIONS

DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM.

DO NOT APPLY SPIN-AID TO SPINACH LATER THAN 40 DAYS PRIOR TO HARVEST. DO NOT APPLY SPIN-AID TO RED BEETS LATER THAN 60 DAYS PRIOR TO HARVEST.

SPIN-AID MAY CAUSE INJURY IF THE CROP IS UNDER STRESS FROM ONE OR MORE OF THE FOLLOWING CONDITIONS:

Rapid climatic changes from cool, overcast days, to hot (75°F or over), bright days. Windy conditions or drought.

Use of a preplant or preemergence herbicide or other chemicals.

Insect or disease injury.

Close cultivation.

If stress conditions are present, delay application in order to give plants a chance to recover.

If extreme weather conditions are of short duration, delay spraying until the end of such a period.

If SPIN-AID applications must be made on days with extreme temperature and/or brightness, delay spraying until evening.

DO NOT OVERTREAT: The use of higher than recommended rates may cause injury.

Do not spray while dew is present.

Rainfall within 6 hours of spraying may reduce weed kill. Do not allow spray drift to contact adjacent crops which may be injured by spray drift.

IMPORTANT

SPIN-AID may cause temporary growth retardation and/or chlorosis or tip-burn. Crops usually resume normal growth within 10 days.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read the entire Directions for Use before using this product.

REENTRY STATEMENT: Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons. Reentry into treated areas is prohibited until leaves are completely dry.

Do not enter treated areas without protective clothing.

Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information. Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. (Indicate specific oral warnings which inform workers of areas or fields that may not be entered without

specific protective clothing, period of time field must be evacuated and appropriate actions to take in case of accidental exposure.) When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information:

WARNING. Area treated with SPIN-AID* on (date of application). Do not enter without appropriate protective clothing until leaves are completely dry. In case of accidental exposure, see Statement of Practical Treatment on the label.

When used as directed, SPIN-AID is selective in spinach and red beets past the 4-6 true leaf stage. Crops may be severely injured if treated before the 4-6 true leaf stage. The stage of growth of the weeds is very important for satisfactory control.

For best results, spray when the weeds are at the two-true leaf stage. Best results are obtained when the weeds are actively growing and are not under water or heat stress.

MIXING THE SPRAY: MAKE SURE THE SPRAYER IS CLEAN.

SPIN-AID is an emulsifiable concentrate. The formulation contains sufficient wetting agents for optimum coverage. Do not add additional wetting agents or other spray adjuvants. Add sufficient water to fill the lines. Then add the desired amount of SPIN-AID and the remaining quantity of water with the bypass agitator running. Bypass agitation is sufficient. Mechanical agitation is not necessary. Only use freshly prepared spray emulsions.

Always spray immediately after preparing the spray solution. Prepare only enough spray solution to last less than four hours.

RATE OF APPLICATION

- ▲ **By Ground:** Apply SPIN-AID at the rate of 3 to 6 pints per acre in 11 to 22 gallons of water broadcast basis. For band application, see dosage chart. **TOO MUCH WATER MAY CAUSE PRECIPITATION.**
- ▲ **By Air:** Apply SPIN-AID at the rate of 3 to 6 pints per acre using 5 to 20 gallons of spray per acre.

Use a maximum of 6 pints per acre per year with a split application of 2½-3 pints at the 2-leaf stage of spinach instead of the 4-6 true-leaf stage and the repeat application of 3 pints, 4-6 days later.

Use the 6 pint rate only on well-established crops which are not under stress. Avoid phytotoxic spray drift to non-target crops during application of SPIN-AID.

DO NOT APPLY WHEN WIND SPEED IS OVER 10 MILES PER HOUR. AVOID APPLICATIONS WHEN CONDITIONS FAVOR DRIFT.

For further information, contact your County Agricultural Agent, Farm Advisor or NOR-AM Chemical Company.

DOSAGE CHART FOR BAND APPLICATIONS

Broadcast Equivalent	Band Rate	
	Band Width	Row Spacing 26"
3 pints/acre	5"	9.2 fl. oz.
	7"	12.9 fl. oz.
6 pints/acre	5"	18.5 fl. oz.
	7"	25.8 fl. oz.

IMPORTANT: READ BEFORE USE

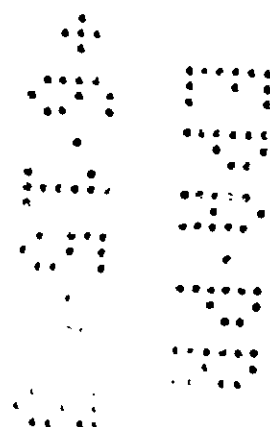
By using this product, user accepts the following conditions, warranty, disclaimer of warranties and limitations of liability.

CONDITIONS: The directions for use of this product are believed to be adequate and should be followed carefully. However, because of extreme weather and soil conditions, manner of use and other factors beyond NOR-AM Chemical Company's control, it is impossible for NOR-AM to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible.

DISCLAIMER OF WARRANTIES: THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WHICH EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of NOR-AM Chemical Company is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. UNDER NO CIRCUMSTANCES SHALL NOR-AM CHEMICAL COMPANY BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM FAILURE TO USE THIS PRODUCT IN ACCORDANCE WITH LABEL DIRECTIONS

LIMITATIONS OF LIABILITY: In no event shall NOR-AM Chemical Company's liability for damages arising out of the use of this product exceed the purchase price of the product used

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A Schering Berlin Company

June 8, 1993

Mr. Robert J. Taylor (PM 25)
Document Processing Desk
Office of Pesticide Programs
Room 266A, Crystal Mall #2
1921 Jefferson Davis Hwy
Arlington, VA 22202

NOR-AM Chemical Company

Little Falls Centre One
2711 Centerville Road
Wilmington, DE 19808
Telephone (302) 892-3000
Telefax (302) 892-3013

Dear Mr. Taylor:

**RE: PR NOTICE 93-3 AS IT PERTAINS TO SPIN-AID® EC,
EPA REGISTRATION NO. 45639-76, OPP I.D. NO. 190117
NOTIFICATION OF LABEL AMENDMENT**

NOR-AM Chemical Company is hereby complying with PR Notice 93-3 and is submitting a revised label for SPIN-AID via this notification action, as per the instructions in the Notice.

Specifically, under the Environmental Hazards Section, the wording has changed as follows: The Statement: "Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes)." has been replaced with the statement: For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark."

A copy of the amended label with the changes highlighted is provided in Attachment 1. A copy of the current label (amended by Notification on 4/17/91) is provided in Attachment 2. Five copies of the amended label, unhighlighted, are also included, along with the pesticide application form, OPP Identifier Number 190117.

If you have any questions about this notification, please contact me at the above address or telephone 302/892-3049. Thank you for your attention to this amendment.

Sincerely,

Lesley Palmer Czocho

Lesley Palmer Czocho, Ph.D.
Registration Project Manager

LC528/dm

Enclosures

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