

(A)



United States Environmental Protection Agency
Office of Pesticide Programs (H7505C)
Washington, DC 20460

Application for Pesticide:

☐ Registration
☐ Amendment
☒ Other

OPP Identifier Number

190125

Section I

1. Company/Product Number 45639-155	2. EPA Product Manager Robert Taylor	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) BETANEX ® 70 WP	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. 7/12/93

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.					
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 (_____)			

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		Title Registration Project Mngr.		Telephone No. (Include Area Code) 302-392-3049	
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 <i>Lesley Palmer Czocho</i>		3. Title Registration Project Manager			
4. Typed Name Lesley Palmer Czocho		5. Date 6/15/93			

SPECIMEN LABEL

NOTIFICATION
LABEL NOT REVIEWED
PER PR NOTICE 00-6
DATE 7/12/93

FOR AGRICULTURAL USE ONLY

Betanex[®] 70WP

SUGAR BEET HERBICIDE

Postemergence Herbicide for Control of Redroot Pigweed and Other Weeds in Sugar Beets

ACTIVE INGREDIENT:

Desmedipham*

70.0%

INERT INGREDIENTS:

30.0%

TOTAL

100.0%

*Ethyl m-hydroxycarbanilate carbanilate (ester)

EPA Reg. No. 45639-155

EPA Est. No. 407-MN-1

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

KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT

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

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

NOR-AM
NORAM CHEMICAL COMPANY

AGRICULTURAL DIVISION
One Farm Centre One
2711 Centerville Road
Wilmington, DE 19806

NET CONTENTS:

U.S. GALLONS (LITERS)

40912

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS **CAUTION**

WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING.

HARMFUL IF ABSORBED THROUGH SKIN. AVOID CONTACT WITH SKIN, EYES, OR CLOTHING. CAUSES MODERATE EYE IRRITATION.

ENVIRONMENTAL HAZARDS
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. DO NOT CONTAMINATE WATER THROUGH DISPOSAL OF EQUIPMENT WASHWATERS.

STORAGE AND DISPOSAL

Storage: Store in original container and keep closed. Store in a cool, dry place.

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: 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.

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

GENERAL INFORMATION

BETANEX® WP is a selective postemergence herbicide for use in sugar beets for control of the following weeds: Annual sowthistle (*Sonchus oleraceus*), Black nightshade (*Solanum nigrum*), Coast fiddleneck (*Amsinckia intermedia*), Common chickweed (*Stellaria media*), Common lambsquarters (*Chenopodium album*), Common ragweed (*Ambrosia artemisiifolia*), Groundcherry (*Physalis lanceifolia*), London rocket (*Sisymbrium irio*), Nettleleaf goosefoot (*Chenopodium murale*), Prostrate pigweed (*Amaranthus gracilis*), Purslane (*Portulaca oleracea*), Redroot pigweed (*Amaranthus retroflexus*), Shepherdspurse (*Capsella bursa-pastoris*), Wild buckwheat (*Polygonum convolvulus*), Wild mustard (*Brassica kaber*).

USE PRECAUTIONS

DO NOT APPLY BETANEX WP TO SUGAR BEETS LATER THAN 75 DAYS PRIOR TO HARVEST.

DO NOT EXCEED A TOTAL OF 2.8 LBS. BETANEX WP PER ACRE PER SEASON.

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

BETANEX WP MAY CAUSE BEET INJURY IF THE CROP IS UNDER STRESS FROM ONE OR MORE OF THE FOLLOWING CONDITIONS:

- ▲ Rapid climatic changes from cool, overcast days, to hot (85° or over), bright days.
- ▲ Windy conditions or drought.
- ▲ Use of a preplant or pre-emergence 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.

DO NOT OVERTREAT: The use of higher than recommended rates may cause beet 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: BETANEX WP may cause temporary growth retardation and/or chlorosis or tip-burn on sugar beets. Beets 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 vacated 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:

CAUTION. Area treated with BETANEX® WP 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, BETANEX WP is selective in sugar beets past the two-true leaf stage. Beets may be severely injured if treated before the two-true leaf stage. 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. BETANEX WP requires the addition of a surfactant/ adjuvant for weed control. Add most of the desired water volume and start agitation. Completely suspend all desired BETANEX WP in the water before adding surfactant/ adjuvant and remaining water. Both mechanical and bypass agitation is necessary. The surfactants/adjuvants listed in the chart below were effective in the areas shown. Other surfactants/adjuvants have either not been tested or performance was not satisfactory.

Surfactant/Adjuvant	Application
SCOIL (sco) + COMP-AD (Simplot) (North Dakota and Minnesota)	Add COMP-AD at 1% volume/volume. Then add SCOIL at 1.5 pints/acre.
VALENT X-77 (Valent) (All states)	Add VALENT X-77 at 1% volume/volume in all states except California. In California add VALENT X-77 at 0.5% volume/volume.
SYLGARD 309 (Dow-Corning) (All states except Oregon and Idaho)	Add SYLGARD 309 at 0.4% volume/volume.
AGRI-DEX (Helena) (California)	Add AGRI-DEX at 1 quart/acre.
R-11 (Wilbur Ellis) (Oregon, Washington, and Montana)	Add R-11 at 1% volume/volume.
CROP OIL CONCENTRATE (Rigo) (Michigan and Ohio)	Add CROP OIL CONCENTRATE at 1 quart/acre.

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

Incompatibilities will sometimes occur between BETANEX WP and surfactants/adjuvants, due to conditions such as extreme water hardness or temperature. If in question, prepare a small test mixture of spray components in a clean container beforehand.

RATE OF APPLICATION—By Ground: Apply BETANEX WP at a rate of 1.0–1.8 lb. in 20 to 50 gallons of water per acre broadcast basis. For band application, see the dosage chart. **BE CERTAIN TO ADD AN APPROPRIATE SURFACTANT/ADJUVANT (FROM ABOVE CHART).**

DOSAGE CHART FOR BAND APPLICATION

Broadcast Rate (oz./acre) — Row Spacing

Broadcast Equivalent	Band Width	22"	28"	32"
0.5 lb./acre	5"	1.8	1.4	1.3
	7"	2.5	2.0	1.8
0.7 lb./acre	5"	2.5	2.0	1.8
	7"	3.6	2.8	2.5
0.9 lb./acre	5"	3.3	2.6	2.3
	7"	4.6	3.6	3.2
1.0 lb./acre	5"	3.6	2.9	2.5
	7"	5.1	4.0	3.5
1.4 lb./acre	5"	5.1	4.0	3.5
	7"	7.1	5.6	4.9
1.8 lb./acre	5"	6.5	5.1	4.5
	7"	9.2	7.2	6.3

RATE OF APPLICATION—By Air: Apply BETANEX WP at a rate of 1.0–1.8 lb. in 5–15 gallons of spray per acre. **BE CERTAIN TO ADD AN APPROPRIATE SURFACTANT/ADJUVANT (FROM ABOVE CHART).**

In order to avoid phytotoxic spray drift to non-target crops during application of BETANEX WP, the following buffer zones should be observed:

Cotton, Potatoes, Sunflowers, Sorghum, Wheat 50 feet
Blackeye Beans, Cabbage, Flax 100 feet
Lettuce, Rape, Tomatoes 300 feet

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

To avoid excessive phytotoxicity to fall-planted sugar beets in Arizona and South of the Tehachapi Mountains in California when temperatures are above 85°F, apply BETANEX WP at the rate of 0.9 pints per acre (broadcast equivalent). Evening applications are recommended.

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

REPEAT APPLICATION OF BETANEX WP: For control of later germinating weeds, make a second application of BETANEX WP. Use 1.0–1.4 lb. per acre. **BE CERTAIN TO ADD AN APPROPRIATE SURFACTANT/ADJUVANT (FROM ABOVE CHART).** Allow at least seven days between first and second applications. Apply when sugar beets have at least four leaves. For best results, use the higher rate and spray when weeds are at the two-true leaf stage. Apply lower rates when the sugar beets are under stress as explained on the left panel.

SPLIT (LOW RATE) APPLICATIONS: (All Sugar Beet Areas Except California) Split (low rate) applications of BETANEX WP may be applied at a rate of 0.5–0.7 lb. in 5–10 gallons of water/acre broadcast equivalent. For band applications, see the dosage chart. **BE CERTAIN TO ADD AN APPROPRIATE SURFACTANT/ADJUVANT (FROM ABOVE CHART).** BETANEX WP may be applied to sugar beets at any stage of growth when necessary to control early germinating, difficult-to-control weeds. The first spray must be applied when the earliest emerging weeds have reached cotyledon size.

Any weeds which are not completely controlled by the first treatment will usually be checked and controlled by repeat applications. The following application should be made 5–7 days after the preceding application, or when another flush of weeds germinates. If the second application is delayed, conventional treatment as described above will be necessary.

IMPORTANT: READ BEFORE USE

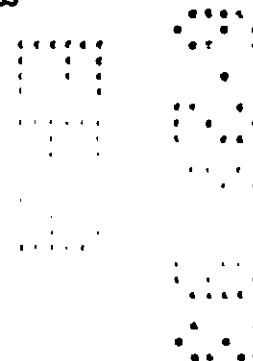
By using this product, user accepts the following conditions, warranty, disclaimer of warranties and limitations of liability.

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.

© NOR-AM Chemical Company, 1985



ATTACHMENT 2

CURRENT BETANEX® 70 WP HERBICIDE PRODUCT LABEL,
INCLUDING EPA APPROVAL LETTER DATED 6/15/92

US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (TS-767)
WASHINGTON, DC 20460

EPA REGISTRATION NO
45639-155

DATE OF ISSUANCE
JUN 15 1992

TERM OF ISSUANCE

NOTICE OF PESTICIDE: ☐ REGISTRATION
☐ REREGISTRATION

(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

NAME OF PESTICIDE PRODUCT
Betanex 70 WP

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

NOR-AM Chemical Company
3509 Silverside Road
P.O. Box 7495
Wilmington, DE 19803

RECEIVED

JUN 22 1992

P.F.P.

NOTE: Changes in labeling formula 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 U.S. 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.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this 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 or other material required for registration/ reregistration of your product under FIFRA sec. 3(c)(5) or FIFRA section 4 when the Agency requires all registrants of similar products to submit such data.

2. Add the phrase, "EPA Registration No. "34704-695" and submit five (5) copies of your final printed labeling before you release the product for shipment.

3. Under Environmental Hazards, revise to read "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 through disposal of equipment washwaters."

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

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

☐ ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE
6/15/92

JUN 15 1992

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
45639-155

FOR AGRICULTURAL USE ONLY

Betanex 70WP

SUGAR BEET HERBICIDE

Postemergence Herbicide for Control of Redroot Pigweed and Other
Weeds in Sugar Beets

ACTIVE INGREDIENT:

Desmedipham*

70.0%

INERT INGREDIENTS:

30.0%

TOTAL

100.0%

*Ethyl m-hydroxycarbanilate carban late (ester)

EPA Reg. No. 45639-

EPA Est. No. 407-MN-1

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

KEEP OUT OF REACH OF CHILDREN CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

 **NOR-AM**

NOR-AM CHEMICAL COMPANY
A FARMER'S PESTICIDE COMPANY

3509 Silverside Road, P.O. Box 7195
Wilmington, DE 19803

NET CONTENTS:

U.S. Patent No. 3,101,000

90712

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS

CAUTION

WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING.

HARMFUL IF ABSORBED THROUGH SKIN. AVOID CONTACT WITH SKIN, EYES, OR CLOTHING. CAUSES MODERATE EYE IRRITATION.

ENVIRONMENTAL HAZARDS

DO NOT APPLY DIRECTLY TO WATER OR WETLANDS. 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.

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: 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.

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

GENERAL INFORMATION

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USE PRECAUTIONS

DO NOT APPLY BETANEX WP TO SUGAR BEETS LATER THAN 75 DAYS PRIOR TO HARVEST.

DO NOT EXCEED A TOTAL OF 2.8 LBS. BETANEX WP PER ACRE PER SEASON.

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

BETANEX WP MAY CAUSE BEET INJURY IF THE CROP IS UNDER STRESS FROM ONE OR MORE OF THE FOLLOWING CONDITIONS:

- ▲ Rapid climatic changes from cool, overcast days, to hot (85° or over), bright days.
- ▲ Windy conditions or drought.
- ▲ Use of a preplant or pre-emergence 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.

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

Do not spray while dew is present.

Rainfall within 6 hours of spraying may reduce weed kill.

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Important: BETANEX WP may cause temporary growth retardation and/or chlorosis or tip-burn on sugar beets. Beets usually resume normal growth within 10 days.

DIRECTIONS FOR USE

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Mixing the Spray: Make sure the Sprayer is CLEAN. BETANEX WP requires the addition of a surfactant/ adjuvant for weed control. Add most of the desired water volume and start agitation. Completely suspend all desired BETANEX WP in the water before adding surfactant/ adjuvant and remaining water. Both mechanical and bypass agitation is necessary. The surfactants/adjuvants listed in the chart below were effective in the areas shown. Other surfactants/adjuvants have either not been tested or performance was not satisfactory.

Surfactant/Adjuvant	Application
SCOIL (Agco) + COMP-AD (Simplot) (North Dakota and Minnesota)	Add COMP-AD at 1% volume/volume. Then add SCOIL at 1.5 pints/acre.
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SYLGARD 309 (Dow-Corning) (All states except Oregon and Idaho)	Add SYLGARD 309 at 0.4% volume/volume.
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Always spray immediately after preparing the spray solution. Prepare only enough spray solution to last less than four hours.

Incompatibilities will sometimes occur between BETANEX WP and surfactants/adjuvants, due to conditions such as extreme water hardness or temperature. If in question, prepare a small test mixture of spray components in a clean container beforehand.

RATE OF APPLICATION—By Ground: Apply BETANEX WP at a rate of 1.0–1.8 lb. in 20 to 50 gallons of water per acre broadcast basis. For band application, see the dosage chart. **BE CERTAIN TO ADD AN APPROPRIATE SURFACTANT/ADJUVANT (FROM ABOVE CHART).**

DOSAGE CHART FOR BAND APPLICATION

Band Rate (oz./acre) — Row Spacing

Broadcast Equivalent	Band Width	22"	28"	32"
0.5 lb./acre	5"	1.8	1.4	1.3
	7"	2.5	2.0	1.6
0.7 lb./acre	5"	2.5	2.0	1.8
	7"	3.6	2.8	2.5
0.9 lb./acre	5"	3.3	2.6	2.3
	7"	4.6	3.6	3.2
1.0 lb./acre	5"	3.6	2.9	2.5
	7"	5.1	4.0	3.5
1.4 lb./acre	5"	5.1	4.0	3.5
	7"	7.1	5.6	4.9
1.8 lb./acre	5"	6.5	5.1	4.5
	7"	9.2	7.2	6.3

RATE OF APPLICATION—By Air: Apply BETANEX WP at a rate of 1.0–1.8 lb. in 5–15 gallons of spray per acre. **BE CERTAIN TO ADD AN APPROPRIATE SURFACTANT/ADJUVANT (FROM ABOVE CHART).**

In order to avoid phytotoxic spray drift to non-target crops during application of BETANEX WP, the following buffer zones should be observed:

Cotton, Potatoes, Sunflowers, Sorghum, Wheat 50 feet
Blackeye Beans, Cabbage, Flax 100 feet
Lettuce, Rape, Tomatoes 300 feet

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

To avoid excessive phytotoxicity to fall-planted sugar beets in Arizona and South of the Tehachapi Mountains in California when temperatures are above 85°F, apply BETANEX WP at the rate of 0.9 pints per acre (broadcast equivalent). Evening applications are recommended.

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

REPEAT APPLICATION OF BETANEX WP: For control of later germinating weeds, make a second application of BETANEX WP. Use 1.0–1.4 lb. per acre. **BE CERTAIN TO ADD AN APPROPRIATE SURFACTANT/ADJUVANT (FROM ABOVE CHART).** Allow at least seven days between first and second applications. Apply when sugar beets have at least four leaves. For best results, use the higher rate and spray when weeds are at the two-true leaf stage. Apply lower rates when the sugar beets are under stress as explained on the left panel.

SPLIT (LOW RATE) APPLICATIONS: (All Sugar Beet Areas Except California) Split (low rate) applications of BETANEX WP may be applied at a rate of 0.5–0.7 lb. in 5–10 gallons of water/acre broadcast equivalent. For band applications, see the dosage chart. **BE CERTAIN TO ADD AN APPROPRIATE SURFACTANT/ADJUVANT (FROM ABOVE CHART).** BETANEX WP may be applied to sugar beets at any stage of growth when necessary to control early germinating, difficult-to-control weeds. The first spray must be applied when the earliest emerging weeds have reached cotyledon size.

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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 15, 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 BETANEX® 70 WP,
EPA REGISTRATION NO. 45639-155, OPP I.D. NO. 190125
NOTIFICATION OF LABEL AMENDMENT**

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

Specifically, as required by the PR Notice, under the Environmental Hazards Section, the wording has changed as follows: The statement: "Do not apply directly to water or wetlands." 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."

In addition, in the EPA's 6/15/92 letter of approval, the registration was granted under the condition of an additional change to the Environmental Hazards Section. As required in the EPA's Notice of Conditional Registration, the statement: "Do not contaminate water by cleaning of equipment or disposal of wastes." has been replaced with the statement: "Do not contaminate water through disposal of equipment washwaters."

A copy of the amended label with the changes highlighted is provided in Attachment 1. A copy of the current label (EPA approval dated 6/15/92) is provided in Attachment 2. Five copies of the amended label, unhighlighted, are also included, along with the pesticide application form, OPP Identifier Number: 190125.

NOR-AM Chemical Company

150412

Mr. Robert J. Taylor
Page 2

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

LC526/dm

Enclosures

PM 23 45639-153 1992

US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (TS-767)
WASHINGTON, DC 20460

NOTICE OF PESTICIDE: ☐ REGISTRATION
☐ REREISTRATION
(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

EPA REGISTRATION NO.
45639-153

DATE OF ISSUANCE

TERM OF ISSUANCE

NAME OF PESTICIDE PRODUCT
D. F. 100X 70 WP

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

502-AM Chemical Company
2509 Silverside Road
P.O. Box 7405
Wilmington, DE 19802

NOTE: Changes in labeling formula 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 U.S. 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.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an endorsement or approval of this product by this 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. 6(c)(2)(B) provided that you:

1. Submit and/or cite all data or other material required for registration/reregistration of your product under FIFRA sec. 6(d)(5) or FIFRA section 7 when the Agency requires all registrants of similar products to submit such data.

2. Add the phrase, "EPA Registration No. 45639-153" on label (iv) (5) copies of your final printed labeling before you release the product for shipment.

3. Under Environmental Hazards, revise to read "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 through disposal of equipment washwaters."

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

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

☒ ATTACHMENT IS APPLICABLE

BEST AVAILABLE COPY

SIGNATURE OF APPROVING OFFICIAL

Robert J. Taylor

DATE

6/15/92

45639-155 20/4

SPECIMEN LABEL

ACCEPTED
with COMMENTS
In EPA Letter Dated:

JUN 15 1972

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

45639-155

FOR AGRICULTURAL USE ONLY

Betanex 70WP

SUGAR BEET HERBICIDE

Postemergence Herbicide for Control of Redroot Pigweed and Other
Weeds in Sugar Beets

ACTIVE INGREDIENT:

Desmedipham*

70.0%

INERT INGREDIENTS:

30.0%

TOTAL

100.0%

*Ethyl m-hydroxycarbanilate carbanilate (ester)

EPA Reg. No. 45639-

EPA Est. No. 407-MN-1

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

KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

 **NOR-AM**

NORAM CHEMICAL COMPANY
A Schering-Plough Company

3509 Silverside Road, P.O. Box 7495
Wilmington, DE 19803

NET CONTENTS:

U.S. Patent No. 3,101,973

3044

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS

CAUTION

WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING.

HARMFUL IF ABSORBED THROUGH SKIN. AVOID CONTACT WITH SKIN, EYES, OR CLOTHING. CAUSES MODERATE EYE IRRITATION.

ENVIRONMENTAL HAZARDS

DO NOT APPLY DIRECTLY TO WATER OR WETLANDS. 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.

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: 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.

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

GENERAL INFORMATION

BETANEX® WP is a selective postemergence herbicide for use in sugar beets for control of the following weeds: Annual sowthistle (*Sonchus oleraceus*), Black nightshade (*Solanum nigrum*), Coast fiddleneck (*Amsinckia intermedia*), Common chickweed (*Stellaria media*), Common lambsquarters (*Chenopodium album*), Common ragweed (*Ambrosia artemisiifolia*), Groundcherry (*Physalis lanceifolia*), London rocket (*Sisymbrium irio*), Nettleleaf goosefoot (*Chenopodium murale*), Prostrate pigweed (*Amaranthus gracizans*), Purslane (*Portulaca oleracea*), Redroot pigweed (*Amaranthus retroflexus*), Shepherdspurse (*Capsella bursa-pastoris*), Wild buckwheat (*Polygonum convolvulus*), Wild mustard (*Brassica kaber*).

USE PRECAUTIONS

DO NOT APPLY BETANEX WP TO SUGAR BEETS LATER THAN 75 DAYS PRIOR TO HARVEST.

DO NOT EXCEED A TOTAL OF 2.6 LBS. BETANEX WP PER ACRE PER SEASON.

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

BETANEX WP MAY CAUSE BEET INJURY IF THE CROP IS UNDER STRESS FROM ONE OR MORE OF THE FOLLOWING CONDITIONS:

- ▲ Rapid climatic changes from cool, overcast days, to hot (85° or over), bright days.
- ▲ Windy conditions or drought.
- ▲ Use of a preplant or pre-emergence 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.

DO NOT OVERTREAT: The use of higher than recommended rates may cause beet 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: BETANEX WP may cause temporary growth retardation and/or chlorosis or tip-burn on sugar beets. Beets 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 vacated 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:

CAUTION. Area treated with BETANEX® WP 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, BETANEX WP is selective in sugar beets past the two-true leaf stage. Beets may be severely injured if treated before the two-true leaf stage. 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. BETANEX WP requires the addition of a surfactant/ adjuvant for weed control. Add most of the desired water volume and start agitation. Completely suspend all desired BETANEX WP in the water before adding surfactant/ adjuvant and remaining water. Both mechanical and bypass agitation is necessary. The surfactants/adjuvants listed in the chart below were effective in the areas shown. Other surfactants/adjuvants have either not been tested or performance was not satisfactory.

BEST AVAILABLE COPY

Surfactant/Adjuvant	Application
SCOIL (Ansoo) + COMP-AD (Simplot) (North Dakota and Minnesota)	Add COMP-AD at 1% volume/volume. Then add SCOIL at 1.5 pints/acre.
VALENT X-77 (Valent) (All states)	Add VALENT X-77 at 1% volume/volume in all states except California. In California add VALENT X-77 at 0.5% volume/volume.
SYLGARD 309 (Dow-Corning) (All states except Oregon and Idaho)	Add SYLGARD 309 at 0.4% volume/volume.
AGRI-DEX (Helena) (California)	Add AGRI-DEX at 1 quart/acre.
R-11 (Wilbur Ellis) (Oregon, Washington, and Montana)	Add R-11 at 1% volume/volume.
CROP OIL CONCENTRATE (Rigo) (Michigan and Ohio)	Add CROP OIL CONCENTRATE at 1 quart/acre.

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

Incompatibilities will sometimes occur between BETANEX WP and surfactants/adjuvants, due to conditions such as extreme water hardness or temperature. If in question, prepare a small test mixture of spray components in a clean container beforehand.

RATE OF APPLICATION—By Ground: Apply BETANEX WP at a rate of 1.0–1.8 lb. in 20 to 50 gallons of water per acre broadcast basis. For band application, see the dosage chart. **BE CERTAIN TO ADD AN APPROPRIATE SURFACTANT/ADJUVANT (FROM ABOVE CHART).**

DOSAGE CHART FOR BAND APPLICATION

Band Rate (oz./acre) — Row Spacing

Broadcast Equivalent	Band Width	22"	28"	32"
0.5 lb./acre	5"	1.8	1.4	1.3
	7"	2.5	2.0	1.8
0.7 lb./acre	5"	2.5	2.0	1.8
	7"	3.6	2.8	2.5
0.9 lb./acre	5"	3.3	2.6	2.3
	7"	4.6	3.6	3.2
1.0 lb./acre	5"	3.6	2.9	2.5
	7"	5.1	4.0	3.5
1.4 lb./acre	5"	5.1	4.0	3.5
	7"	7.1	5.6	4.9
1.8 lb./acre	5"	6.5	5.1	4.5
	7"	9.2	7.2	6.3

RATE OF APPLICATION—By Air: Apply BETANEX WP at a rate of 1.0 - 1.8 lb. in 5–15 gallons of spray per acre. **BE CERTAIN TO ADD AN APPROPRIATE SURFACTANT/ADJUVANT (FROM ABOVE CHART).**

In order to avoid phytotoxic spray drift to non-target crops during application of BETANEX WP, the following buffer zones should be observed:

Cotton, Potatoes, Sunflowers, Sorghum, Wheat 50 feet
Blackeye Beans, Cabbage, Flax 100 feet
Lettuce, Rape, Tomatoes 300 feet

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

To avoid excessive phytotoxicity to fall-planted sugar beets in Arizona and South of the Tehachapi Mountains in California when temperatures are above 85°F, apply BETANEX WP at the rate of 0.9 pints per acre (broadcast equivalent). Evening applications are recommended.

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

REPEAT APPLICATION OF BETANEX WP: For control of later germinating weeds, make a second application of BETANEX WP. Use 1.0–1.4 lb. per acre. **BE CERTAIN TO ADD AN APPROPRIATE SURFACTANT/ADJUVANT (FROM ABOVE CHART).** Allow at least seven days between first and second applications. Apply when sugar beets have at least four leaves. For best results, use the higher rate and spray when weeds are at the two-true leaf stage. Apply lower rates when the sugar beets are under stress as explained on the left panel.

SPLIT (LOW RATE) APPLICATIONS: (All Sugar Beet Areas Except California) Split (low rate) applications of BETANEX WP may be applied at a rate of 0.5–0.7 lb. in 5–10 gallons of water/acre broadcast equivalent. For band applications, see the dosage chart. **BE CERTAIN TO ADD AN APPROPRIATE SURFACTANT/ADJUVANT (FROM ABOVE CHART).** BETANEX WP may be applied to sugar beets at any stage of growth when necessary to control early germinating, difficult-to-control weeds. The first spray must be applied when the earliest emerging weeds have reached cotyledon size.

Any weeds which are not completely controlled by the first treatment will usually be checked and controlled by repeat applications. The following application should be made 5–7 days after the preceding application, or when another flush of weeds germinates. If the second application is delayed, conventional treatment as described above will be necessary.

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