

PM 25

45639-155

File 146

United States Environmental Protection Agency
Washington, D.C. 20460

Office of
Prevention, Pesticides and
Toxic Substances

OCT 13 1993

Lesley Palmer Czochoz
NOR-AM CHEMICAL COMPANY
3509 SILVERSIDE ROAD
WILMINGTON DE 19803

Subject: Label Amendment Submission of 06/15/93
in Compliance with WPS Labeling Requirements
EPA Reg No. 45639-155
BETANEX 70 WP

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is accepted subject to the comments listed below.

Based on your certification, the Agency has accepted only those changes to your labeling which are necessary to comply with PR Notices 93-7 and 93-11, which reflect the WPS labeling requirements of 40 CFR part 156, subpart K. Any other labeling changes submitted in connection with this amendment application and not directly related to compliance with PR Notice 93-7 or 93-11 have neither been reviewed nor accepted by the Agency. If you wish to make any such changes, you must submit a separate amendment application proposing them. If your product registration is currently suspended, acceptance of this labeling amendment does not affect the suspension in any way.

A copy of your proposed labeling stamped "Accepted with comments" is attached. Make any required changes described in the attached and send three copies of final labeling as soon as it is available to:

Document Processing Desk (FIN-LABEL)

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Office of Pesticide Programs (H-7504C)
U.S. Environmental Protection Agency
401 M Street SW
Washington, DC 20460-0001

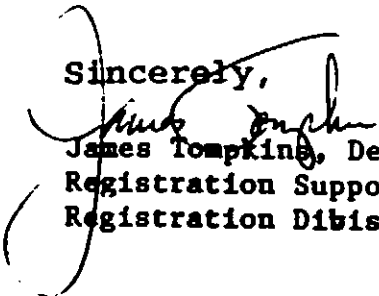
Hand or courier deliveries of final labels may be made to:

Document Processing Desk (FIN-LABEL)
Room 266A Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Please correct the typographical errors circled on the draft before printing final labeling.

In your final labeling the "Agricultural Use Requirements" text must be contained in a clearly separate box. This box may be set apart by a line, by another graphical device, by a different color background, or in any other way that clearly distinguishes it from surrounding text.

Sincerely,


James Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

SPECIMEN LABEL

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ACCEPTED
with COMMENTS
in EPA Letter Dated

OCT 12 1993

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:

INERT INGREDIENTS:

TOTAL

EPA Reg. No. 45639-155

EPA Est. No. 407-MN-1

KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT

DO NOT
RE-ENTRY

W-NOR-AM

NET CONTENTS

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**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS
(AND DOMESTIC ANIMALS)
WARNING**

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

Applicators and other handlers must wear:

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

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS STATEMENT

When handlers use closed systems, enclosed cabs, or aircraft 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.

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.

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.

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.

AGRICULTURAL USE REQUIREMENTS

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

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- ☐ Coveralls
- ☐ Waterproof gloves
- ☐ Shoes plus socks

GENERAL INFORMATION

BETANEX® WP is a selective postemergence herbicide for use in sugar beets for control of the following weeds:

Annual sowthistle	(<i>Sonchus oleraceus</i>)
Black nightshade	(<i>Solanum nigrum</i>)
Coast fiddleneck	(<i>Amsinckia intermedia</i>)
Common chickweed	(<i>Stellaria media</i>)
Common lambsquarters	(<i>Chenopodium album</i>)
Common ragweed	(<i>Ambrosia artemisiifolia</i>)
Groundcherry	(<i>Physalis lanceifolia</i>)
London rocket	(<i>Sisymbrium irio</i>)
Nettleleaf goosefoot	(<i>Chenopodium murale</i>)
Prostrate pigweed	(<i>Amaranthus gracilis</i>)
Purslane	(<i>Portulaca oleracea</i>)
Redroot pigweed	(<i>Amaranthus retroflexus</i>)
Shepherdspurse	(<i>Capsella bursa-pastoris</i>)
Wild buckwheat	(<i>Polygonum convolvulus</i>)
Wild mustard	(<i>Brassica kaber</i>)

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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.

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.

Mixing the Spray: Make sure the Sprayer is CLEAN.

BETANEX WP requires the addition of a surfactant/adjutant 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/adjutant and remaining water. Both mechanical and bypass agitation is necessary. The surfactants/adjutants listed in the chart below were effective in the areas shown. Other surfactants/adjutants have either not been tested or performance was not satisfactory.

Surfactant/Adjutant	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.
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 (Fife) (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/adjutants, 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.

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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 or buyer 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. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OR 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 SPECIAL, INDIRECT, OR CONSEQUENTIAL DAMAGES RESULTING FROM USE OR HANDLING OF THIS PRODUCT.**

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