THO3 4-1-8

MAY 1 5 1901,

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

Dear Mr. Chisholm:

Subject: Label Amendment; Amend the Precautionary Statements

Nortron Flowable Herbicide

EPA Registration Number 45639-8

Your Submission Dated October 29, 1990 and Your Labels Submitted December 12, 1990

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided the following changes are made:

- The Statement of Practical Treatment must be stated as follows:

If Swallowed: Call a physician or Poison Control Center. Drink one or two glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

If on Skin: Wash with plenty of soap and water. Get medical attention.

If Inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention.

A stamped copy is enclosed for your records. Please submit three (3) copies of final printed labeling incorporating the above changes.

Sincerely yours,

Juanne I. Miller

CONCURRENCE Product Manager (23)

SYMBOL H7505C

SURNAME Robbits

Enclosure

DATE 57/15/9/

EPA Form 1320-1 (12-70)

Juanne I. Miller

CONCURRENCE Product Manager (23)

Registration Division (H7505C)

Registration Division (H7505C)

OFFICIAL FILE COPY

GPO : 1983 O - 403-201

FLOWABLE

SUGAR BEET HERBICIDE For selective control of weeds in sugar beets

GRASS SEED HERBICIDE For Selective Control of Weeds in Certain Grass Seed Crops in Western Oregon and Western Washington

ACTIVE INGREDIENT:

Ethofumesate (2 ethoxy 2.3 d hydro 3.3 d methy 5 benzofurany methanesulfonate)

INERT INGREDIENTS:

*Protected by U.S. Patent No. 3,689,507.
This product contains 40 lb. active ingredient per gallon.

Percent by Weight

4205

58%

100° a Total

EPA Registration No. 45639-8

EPA Est. No. 46142 EN-O1

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

KEEP OUT OF REACH OF CHILDREN **CAUTION**

Avoid contact with skin, eyes or clothing.

See back panel for additional precautionary statements and first aid:

11

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

NET CONTENTS:

Product of United Kingdom

ACCEPTED with COMMENTS 🏣 EPA Letter Dated:

Dader Direction

n stade

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed, inhaled, or absorbed 'through skin. Avoid contact with skin, eyes, or clothing. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse

First Ald—In case of contact, immediately flush eyes or skin with plenty of water. Remove and wash contaminated clothing before reuse.

Environmental Hazards—Do not apply directly to water or wetlands. Do not apply when weather conditions favor drift from target area. Do not contaminate water when disposing of equipment washwaters.

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

STORAGE AND DISPOSAL

1341

STORAGE: Protect NORTRON FLOWABLE from freezing temperatures.

PESTICIDE DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

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.

DO NOT REUSE EMPTY CONTAINER.

General Use Precautions

NORTRON® Flowable or tank-mixes should be used for recommended purposes and at recommended rates only. (DO NOT OVERTREAT.)

Do not graze livestock on treated crops.

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

If crop is lost due to climatic or soil conditions following application of NORTRON Flowable tankmixes, do not plant crops other than sugar beets or ryegrass in treated land during the same season. Do not retreat field with NORTRON Flowable. If fields are replanted to sugar beets, reseed into treated band.

Do not rotate with any crops other than sugar bests or ryegrass for 12 months after application. Thorough tillage, including moldboard plowing, should precede the planting of crops other than sugar beets or ryegrass. Do not use NORTRON Flowable on muck or peet soits.

Do not allow spray mixture to stand in tank overnight. Flush and drain spray equipment after each day's use.

Store unused spray mixture in tightly-sealed containers and protect from frost.

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

SHAKE CONTAINER WELL BEFORE USING.

General Information

WEED SPECIES CONTROLLED-SUGAR BEETS

NORTRON® Flowable is a selective herbicide for use in sugar bests for the control of the weed species listed below. It provides effective control of these weeds for up to 10 weeks following application.

WEED SPECIES CONTROLLED

Annual Broadlest Weeds

Black nightshade (Solenum nigrum), Common chickweed (Stelleri medie), Common lambsquarters (Chenopodium album), Common purslane (Portulece oleraces), Kochie (Kochie scopene), Ladysthumb (Polygonum persuane), Pennsylvaniti smartweed (Polygonum pensylvanicum), Redroot pigweed (Amaranthus retrofexus), Russian thistle (Salsole kali var. tenulolis), Wild buckwheet (Polygonum convolvulus).

Annual Gress Weeds

Annual bluegrass (Poe annue), Barryardgrass* (Echinochioa crus-galli), Canarygrass (Phelans canariensis), Green loxtail (Setarie vindis), Large crabgrass (Digitarie sangumalis), Volunteer bariey (Hordeum sp.), Volunteer wheat (Inticum sp.), Wild oats** (Avene fetue), Yellow foxtail (Setaria gleuca).

*Control of barnyardgrass may be reduced with the NORTRON Flowable + Pyramin because of the lower rate of NORTRON Flowable recommended.

"Control of wild cast has been inconsistent in Minnesota and North Dakota.

NORTRON Flowable alone will also reduce competition from these HARD-TO-CONTROL weeds: Annual Sowthistie (Sonchus oleraceus), Puncturevine (Tribulus terrestris), Shepherdspurse (Capselle burse-pastons), Purple nutsedge (Cyperus rotundus), Yellow nutsedge (Cyperus esculentus).

WEED SPECIES CONTROLLED-GRASS SEED

NORTRON Flowable is a selective herbicide for use in ryagrasa, tall feacue, and berrigrass seed crops in Western Oregon and Western Washington. It effectively controls or reduces competition from those weed species listed below. NORTRON Flowable may be applied preen,ergence to new seedings of annual ryagrase or posternergence to established stands of perennul ryagrasa, tall feacue, or bentgrass. Application to bentgrass is restricted to plantings which have been established for one year or longer. Soil should be most at time of application. NORTRON Flowable is less effective when applied to dry soil. Rainfall shortly after application is necessary for activation. Make only one application per season, either preemergence or posternergence, not both.

WEEDS CONTROLLED

Annual bluegrase (Poe annue), Rattail fescue (Festuce myuros), Seedling volunteer wheet (Inticum spp.), Seedling volunteer barley (Hordeum spp.), Soft chess (Bromus moltis), Seedling Wild oate (Avene fetue), Downy brome (Bromus tectorum), Common chickweed (Stellaris media), Common vetch (Vice setive), Common velvetgrase (Holcus lenetus), Mannagrase (Glycene spp.).

Note: NORTRON Flowable does not control volunteer ryegrass. Other registered herbicides will be required to control volunteer annual or perennial ryegrass seedlings.

Directions for Use

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

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.

When NORTRON Flowsble is applied preemergence, or postemergence, the following statements apply:

REENTRY STATEMENT: Do not enter treated areas without protective clothing until sprays have

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 supected 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 vecated, and appropriate actions to take in case of accidental exposure.) When oral warnings are given, warnings shall be given in a language customerity 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 NORTRON® Flowable herbicide on (date of application). Do not enter without appropriate protective clothing (long pents, long-sleeved shirt, rubber gloves and boots) until spray has dried. In case of accidental exposure, see Statement of Practical [freet-ment on the left]

BEST AVAILABLE COPY

RYEGRASS, TALL FESCUE, AND BENTGRASS SEED CROPS

(For use in Western Oregon and Western Washington only):

NORTRON Flowable may cause stunting and stand reduction of newly seeded perennial ryegrass and tall fescue, if the crop is planted tale in the fall and subjected to adverse climatic conditions or pesticides which restrict normal growth.

If vegetative matter or stover from previous crop was burned, sufficient rainfall or overhead irrigation must have occurred to dissipate the charcoal residue remaining after burning prior to NORTRON Flowable treatment. Failure to allow for dissipation of charcoal residue may result in reduced weed control.

Do not mix NORTRON Flowable with figurd fertilizers.

Sprity equipment: Use a fixed boom power sprayer properly calibrated to a constant speed and rate of delivery. Do not use smaller than 50 mesh strainer. Avoid overlapping of spray swath, Shut off boom white starting, turning or stopping to avoid overlapping. Apply in 10 to 50 gallons of water per acre at low pressure (20-50 psi).

Soil preparation: A firm, fine and level seedbed free of trash and vegetative matter will provide best results from preemergence applications. Large clods can reduce effectiveness of NORTRON Flowable. All existing vegetative growth should be thoroughly worked into the soil before treatment.

NEW SEEDINGS OF ANNUAL OR PERENNIAL RYEGRASS:

Sefore weed emergence: Apply NORTRON Flowable after seeding and prior to weed emergence. For best results apply to moist soil, Apply 1½ to 3 pints per acre. Use the lower rate for control of arroual bluegrase and common chickweed. For control of rattell feacue and other weeds listed use 2 to 3 pints per acre.

After weed emergence: Apply NORTRON Flowable at earliest possible weed growth stage but not later than the 4-leaf stage. Rattail feacus, which is more difficult to control, must be treated no later than the 2-leaf stage. Apply 2½ to 3¾ pints per acre. Use the highest rate where rattail feacus is present and where weed intestation is heavy.

NEW SEEDINGS OF FALL-PLANTED PERENNIAL RYEGRASS AND TALL FESCUE TREATED WITH DIURON PLUS CHARCOAL:

Timing of application; Apply NORTRON Flowable following crop emergence and after sufficient rainfall and/or overhead irrigation has occurred to dissipate the charcoal band (approximately 4 inches). Use dosage rates listed in table below. Surface debris may result in reduced weed control. Failure to allow for complete dissipation of the charcoal band may result in reduced weed control within the crop row. For best results, apply NORTRON Flowable to a moist soil surface.

Before using diuron, reed the diuron label for rate recommendations, timing of applications, directions for use and precautionary statements. Do not exceed maximum dosage rates for either herbicide.

DOSAGE TABLE

Creep	Rate For Acre	Remarks
Perennial ryagrass and Tall feacue	1½ to 3 pints	For effective control, ennual bluegrass must be treated before the 4-leaf stage; rattal feecus, wild cate and volunteer wheat must be treated before the 2-leaf stage. Use the lower rate for control of ennual blue grass and common chickwead; use the higher rate for control of rattal secus, wild cate and other weeds tased.

ESTABLISHED STANDS OF PERENWAL RYEGRASS AND TALL FESCUE:

Before weed emergence: Apply NORTRON® Flowable at 2% to 3 pints per acre prior to weed emergence. Use higher rate where rattail feacuse is expected to be a problem. For beat results, apply to most soil. Crop residue and debris will reduce effectiveness of treatment and should be removed or destroyed.

After weed emergence: Apply NOFITRON Flowable at earliest possible weed growth stage but not later than the 4-leaf stage. Ratell feacus, which is more difficult to control, must be treated no later than the 2-leaf stage. Apply 2½ to 3 pints per acre. Use the higher rate where rattall feacus is present, Where weed pressure is very heavy and ratell feacus in at the maximum stage of growth for treating, a rate of 3½ pints of NORTRON Flowable is recommended.

ESTABLISHED STANDS OF SENTORASS: Apply only to well-established stands which have been seeded for not less than 12 months. Straw from previous crop must be removed or destroyed. Failure to do so may result in reduced weed control.

Before used emergence: Apply NORTRON Flowable at 1½ to 3 pints per acre prior to weed emergence. Use higher rate where rattall feacus is expected to be a problem. For best results, apply to molet soil.

After weed emergence: Apply NORTRON Flowable at earliest possible weed growth stage but no, later than the 4-leaf stage. Rettail feacue, which is more difficult to control, must be treated no later than the 2-leaf stage. Apply at the rate of 1½ to 3 pints per acre. Use higher rate when rattail feacue is a problem. Do not apply more than 3 pints of NORTRON Flowable per acre on bentgrass.



SUGAR BEETS

Apply tank-mixee only in specified regions or states and in accordance with directions on tabel. Do not mix NOSTEON Flowship or tank-mixee with liquid facilities.

PREPLANT INCORPORATED AND PREEMERGENCE APPLICATIONS

SOIL PREPARATION: The soil should be prepared according to good agricultural practices. Large clods can reduce the effectiveness of NORTRON Flowable and tank-mixes. All existing vegetative growth should be thoroughly worked into the soil before treatment.

SPRAY EQUIPMENT: Apply NORTRON Flowable alone or in tank-mixes to the soil using standard low pressure (20-50 pei) spray equipment. Spray equipment should be carefully calibrated before use and checked frequently during application to see that it is functioning properly. Do not use smaller than 50-mesh strainer. Uniformly apply the recommended rates of NORTRON Flowable or NORTRON Flowable or NORTRON Flowable or NORTRON Flowable or a broadcast basis. Avoid overlaps since crop injury may result. When applying NORTRON Flowable or tank-mixes in a bend, check to make certain that the band width is accurate for the dosage rate being applied.

The spray tank and lines should be thoroughly cleaned and need prior to using NORTRON Florents.

INCORPORATION EQUIPMENT: Where soil incorporation is recommended, use a hooded-power or ground-driven rotary tiller, rotting cultivator or similar equipment properly adjusted to uniformly incorporate NORTRON* Flowable or tank-mines to a depth of 1 to 2 inches. Deeper incorporation may reduce effectiveness. Do not apply NORTRON Flowable or tank-mines through soil injector sharks. Incorporation should be accomplished prior to planting, if done after planting, proper precautions should be taken to avoid dernaging or moving the crop seed. See below for Layering Application.

LAYERING APPLICATION:

Spring: Form beds with appropriate bedding equipment. Preintigate field if necessary, Remove bed top with suitable de-ridging machinery to provide a minimum width of 10" across the top of the bed. Apply NORTRON Flowable in a band at the recommended rate indicated in the appropriate regional dosage table and cover the treated band with 1 inch of soil using dischers or discs equipment. Shape the bed with roller shaper and irrigate until the tops of the beds are thoroughly wetted, Irrigate from furrows on both sides of the row.

Fell: This method of application can be used, when spring moisture is marginal or where irrigation water is not available at planting time. Fell beciding utilizes the winter-accumulated moisture to anhance activation of the herbicide and to aid in germination of the sugar best crop.

Prepare the field (as for planting; plow, pack, and float, etc.), in the fall, usually late September or October. Apply NORTRON Flowable in a band to the soil surface at the recommended rate indicated in the appropriate regional dosage table. Be sure that the soil surface to be treated is free of treat and vegetation.

Cover the treated bands with soil and form beds or ridges using ditchers or diecs. In the spring when the soil is sufficiently dry to be worked, de-ridge the beds down to within ½" to 1" of the treated layer using suitable equipment such as the Kirchner bedder or Oregon Northslope harrow. When de-ridging, maintain the original bedding guidance system by using a built tongue chisel, slide guides or similar equipment. This will ensure that the planter will follow in the treated band. Plant sugar beets in the de-ridged area when the soil conditions allow.

MIXING DIRECTIONS: When mixing NORTRON Flowable in the spray tank with Pyramin or TCA, add NORTRON Flowable first. Agitate spray solution thoroughly and continuously. See Pyramin label for additional mixing directions.

GENERIAL APPLICATION: Sugar bests grown under reinfell: Apply NORTRON Flowable alone or in a tank-mix preemergence at time of planting or shortly effer, but prior to weed germination. NORTRON Flowable or tank-mix does not require mechanical soil incorporation provided that sufficient rainfall occurs shortly following application to scalvate the chemical. One-half inch of rainfall is usually adequate for activation. In areas where rainfall can be marginal for ectivation, such as the Red River Valley (Minneacts and North Deliots), it is recommended that NORTRON Flowable or that the tank-mix be applied before or at the time of planting and incorporated into the soil.

Sugar beets grown under furrow inrigation: Apply NORTRON Flowable alone or in a tank-mix to the soil surface preplient or at time of planting, but prior to weed germination, and incorporate into the soil. Where sugar beets are grown in bads, apply NORTRON Flowable or tank-mix after bedding and incorporate. Since NORTRON Flowable or tank-mix must have moisture to control weeds effectively, irrigate until tops of beds are thoroughly wested.

Sugar beets grown under curintiler infigation: Apply NORTRON Flowable alone or in tank-mix preemergence at time of planting or shortly after, and irrigate prior to crop and weed germination. Flepest irrigation as necessary to maintain good moisture in upper soil leyer. Apply at least one-half inch of water during first irrigation. Do not mechanically incorporate NORTRON Flowable or tank-mix into the soil under sprinter irrigation.

CULTURAL PRACTICES FOLLOWING APPLICATION: When properly applied, NORTFICH! Flowable alone or in a tank-mix will provide up to 10 weeks control of susceptible weed species. When cultivating fields in which NORTFICN Flowable or tank-mixes have been banded, care should be execised to minimize the movement of untressed soil into the treated band. Where a broadcast application has been made, do not cultivate deeper than two inches, as this reduces the effectiveness of NORTFICN Flowable or tank-mixes.

BEST AVAILABLE COPY

NORTRON* Flowable Alone

DOSAGE TABLE 1 (All Regions Except North Dekots and Minnesots):

	RATE OF HORTRON FLOWABLE PER ACRE(1)						
		7-Inch Sand Width ⁽²⁾					
Sell Texture	Breedcast	22" Rew	28° Rew	30' Rew			
Coarse Textured Sells: Sends, loamy sends and sendy loams	2% to 3% Pints	% to 1% Pints	45 to 1 Pint	1/2 to 1 Pirel			
Medium Tentured Sello: Sill trams, clay loams which contain less than 3% organic matter	3% to 6 Pints	1% to 2 Pints	1 to 1½ Pints	1 to 1½ Pints			
Fine Textured Salls: Clay loams which contain more than 3% organic matter and clays	6 to 7½ Pints	2 to 21/s Pinte	1½ to 2 Pints	11/2 to 144 Pints			

⁽¹⁾ Use the higher rate within each soil texture category on the finer texture sode and/or where lockin, bernyerdgrass or black nightshade are expected to be a problem.

DOSAGE TABLE 2 (North Dekota and Minnesota only):

Į	NORTRON FLOWABLEIACRE					
		7-inch Band Width(1)				
Soft Texture	Breedcast	22° Row				
Cearse Textured Sells: Sandy loans only	6 Pinte	2 Pints				
Medium Textured Sells: Silt teams and cley teams	6 Pints	2 Pints				
Fine Textured Solle: Heavy clays	7½ Pints	2½ Pints				

⁽¹⁾ For other band or row widths, adjust the rate in proportions to the area actually treated.

NORTHON' Flowable + ANTOR' 4ES (tent-mix)

CALIFORNIA, COLORADO, MONTANA, NEBRASKA, TEXAS, AND WYOMING ONLY:
This tank-mix controls these additional weeds: Italian ryegrass (annual) (Lollum multi-florum), Annual sowthistie (Sonchus aleraceus), Fell penicum (Penicum dicholomiflorum), Foxtail millet (Seteria Italice), Groundcherry (Physalis longitalle), Junglerice (Echinochloe colonum), Prostrate pigweed (Amerenthus billioides), Shepherdcpurse (Capselle burse-pastoris), Witchgrase (Penicum capillare).

NORTRON Flowable + ANTOR® 4ES tank-mix may be applied preplant incorporated where furrow imgetion is practiced using shallow incorporation implements such as rolling cultivators or harrows, or using power tillers set to a depth of 1-2 inches.

Preemergence applications of NORTRON Flowable + ANTOR 4ES tank-mix may be used when application is followed by sprinkter irrigation prior to weed germination and crop emergence, or where rainfall can be expected to occur within 7-10 days after application.

ANTOR 4ES may also be utilized in sequential applications with NORTRON Flowable where a broadcast preemergence treatment of ANTOR 4ES is followed by a band overlay of NORTRON Flowable preemergence. The same desage rates should be used as in the tank-mix.

Refer to Dosege Table 3 for recommended rates.

Before use, read the ANTOR 4ES label for additional information and precautions.

DOSAGE TABLE 3 (Collornia, Colorado, Mantona, Nobraska, Texas, and Wyoming only):

Sell Texture	ANTOR 488 PER ACRE ⁽¹⁾	NORTHON PLOWABLE PER ACRES!)
Course: Learny sends and cendy learns	1.5 Quarte	1.5 Querts
Madium: Loans and all loans	2 Quarte	2 Querte
Plint: Clay lastine and clays	3 to 4 Quartu ⁽²⁾	2.5 Quarts

 $[\]overset{(1)}{-}$ See section on Band Applications for calculations of proportional amounts,



⁽²⁾ For other band or row widths, adjust the rate in proportion to the area actually treated.

⁽²⁾ Use higher rate on heavy clay soils.

NORTRON" Flowable+ PYRAMIN" (tank mix)

This tank-mix controls these additional broadleaf weeds. Annual sowthistle (Sonchus oleraceus), Black musterd (Brassica nigra), Buffalobur (Solanum rostratum), Coast fiddleneck (Amsinckia intermedia), Common groundsel (Senecio vulgaris), Common ragweed (Ambrosia artemisidolia), Culteaf nightshade (Solanum triflorum), Groundcherry (Physalis spp.), Henbit (Lamium amplaxicaula), Nettleleaf gooseloot (Chenopodium murale), Prickly lettuce (Lactuca semola), Prostrate knotweed (Pohygonum aviculare), Shepherdspurse (Capsella bursa-pastoris)

CALIFORNIA (winter-grown sugar beets only): Under sprinkler irrigation or where natural rainfall is adequate, apply this tank-mix premisepence. See Pyramin label for precautions regarding application of sprinkler irrigation. Where furrow irrigation is to be used, apply preplant incorporated. Prepare seedbed or form beds for planting. Then use rotary litter type of incorporation and incorporate not more than 2 inches deep. Plant sugar beets and irrigate. Sub-irrigate until tops of beds are thoroughly wetted. Refer to Dosage Table 4 for recommended rates.

DOSAGE TABLE 4 (California, winter-grown auger beets only):

Sell Texture	NORTRON FI		PYRAMM PER ACRE		
	Broadcast (For calibration purposes only)		Broadcast (Far callbration purposes only)		
Coarse Textured Solls: Sands, loamy sands and sandy loams	NOT RECOMMENDED				
Medium Textured Solle: Sill loams, clay loams which contain less than 3% organic matter	3 to 3¼ Pints	1 to 1 Vi Pints	4 Pounds	11/5 Pounds	
Fine Textured Selfa: City loams which-contain more than 3% organic matter and clays	4 to 514 Pints	1% to 1% Pints	4 Pounds	11/5 Pounds	

⁽¹⁾ For other band of row widths, adjust rates in proportion to the area actually treated. Do not apply this mixture broadcast.

PRECAUTIONS: Do not exceed ¼ inch of sprinkler irrigation per set until the beets have two frue leaves. Do not use the tank-mix under conditions where Pyramin alone is not recommended. Before use, read the Pyramin label for additional information and precautions.

CENTRAL AND EASTERN STATES, INCLUDING MICHIGAN AND ONIO: This tank-mix controls the additional weed, common regimed, and other broadlest weeds specified in the weed table. Apply preemergence at the time of planting or shortly after, but before weed germination, using recommended rates listed in Dosage Table 5. Do not mechanically incorporate the herbicides into the soil as crop injury may result. Oo not use this tank-mix where Pyramin alone is not recommended. Before use, read Pyramin label for additional information and precautions.

DOSAGE TABLE 5 (Control and Eastern States only):

	HORTRO	H PLOWAR	LINCRE	PYRAMINACAE			
Sell Techero		7-Inch Ba	nd Whatel ⁽¹⁾		7-Inch Band Width ⁽¹⁾		
	Breakest	22" Row	20" Roys	Breadcast	22" Resy	29° Rew	
Course Tentured Sells: Sandy loans only	3 Pinta	1 Pint	Vs. Pirel	3 Pounde	Pound	No.	
Medium Testered Selle: Sit and clay tokne which contain less than 3% organic matter	4 Pirts	116 Pints	1 Pirel	4 Pounde	116 Pounds	1 Pound	
Pine Testured Selle: Clay leave which contain more than 3% organic maller and clays	5 Pints	1½ Pints	1 Vs Pinta	4 Pounda	114 Pounds	Pouns	

⁽¹⁾ For other band or now widths, adjust the rate in proportion to the area actually treated



⁽²⁾ Use the higher rate of NORTRON Flowable within each soil texture category on the finar-resoured soile and/or where voluntees bartey or wheat are expected to be a problem.

⁽¹⁾ Pyremin* is a registered tradement of BASE AttlengesellecteR

NORTRON' Flowable + ANTOR' 4ES + (tank-mix)

MICHIGAN ONLY: A tank-mix of NORTRON Flowable + ANTOR 4ES + Pyramin may be used in Michigan for control of the additional weeds:

Common regweed (Ambrosia artemisidolia), Wild mustard (Brassica laber), Pennsylvania smartweed (Polygonum pensylvanicum), Common lambaquarters (Chanopodium album), Common puralene (Portulaca olaracea), Nettieleaf goosafoot (Chanopodium murale), Common chickweed (Stateria media), Henbit (Lamium amplaxicaule), Fanweed (stinkweed) (Thlaspi arrense), Kochia (Kochia scopana), Russian thistle (Salsola kali), Volunteer barley (Hordeum sp.), Volunteer wheat (Triticum sp.), Ladysthumb (Polygonum persicana).

For preemergence use without irrigation, apply the tank-mix to the soil surface at the time of plenting or shortly after, but prior to weed germination. Use rates recommended in Dosage Table 6.

Do not use this mixture under conditions where Pyramin alone is not recommended. Before use, read the Pyramin and ANTOR 4ES tabels for additional information and precautions.

DOBAGE TABLE & (Michigan only):

	Breadcast Rates For Acre						
Sandy loams only	NORTHCH [®] Flowable (pirts)	Arter* 4ES (qts.)	Pyramin" FL (qts.)				
Course Testured Selfa: Sandy loams only	3	1.5	2.25				
containing tees then 3%	4	2	2.25				
Fine Textured Selfs: Clay learns and clays containing more than 3% organic matter	4	3	2 25				

NORTRON' Flowable + TCA" (land-mix)

CENTRAL AND EASTERN STATES, INCLUDING MICHIGAN AND OHIO: The control of certain grees weeds, particularly yellow fortail and barryandgrass, can be enhanced by the use of this tank-mix.

Apply preemergence at time of planting or shortly after but prior to weed germination. Apply at rates recommended in Dosage Table 7. Before use, read TCA label for additional information and precautions.

DOSAGE TABLE 7 (Central and Eastern States, including Michigan and Ohio):

	NORTRON FL	OWARLE/ACRE	TCA/ACRE(1)		
		7-Inch Bard ⁽²⁾		7-Inch Band ⁽¹⁾	
Soll Texture	Groedcast	28" Rew	Broadcast	28" Repor	
Coarse Textured Selfs: Sandy loans only	3 Pints	% Pint	3 Querts	11/2 Pints	
Medium Textured Selfs: Sit and clay logne which contain less than 3% organic matter	4 Pints	1 Pint	1 Gallon	1 Quert	
Fine Textured Selfit: City loans which contain more than 3% organic matter and clays	6 Pints	1½ Pints	1 Gallon	1 Quert	

⁽¹⁾ Based on commercial liquid formulation containing the equivalent of 6 pounds of dry 9' % sodium TCA per gallon

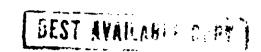
EPTIME* * (fall-applied) + HORITRON* Flourists (apring-applied)

ISONTH DAKOTA AND SERVESOTA CHLY (sequential treatment): The control of certain weeds, particularly yellow fortall and redroot pigueed, can be improved by the sequential treatment of Extending application of NORTRON Flowable. Furthermore, the Eddition of NORTRON Flowable provides up to 10 weeks' control of susceptible weeds.

Apply Eptern 7E in the tall in accordance with directions on the tabel.

Apply NORTRON Flowable in the spring to the soil surface preplant or at the time of planting and incorporate into the soil. Apply at recommended rates listed in Dosage Table 8. This sequential tresment is not recommended for use on coarse-textured soils.

Do not use in areas or under conditions where Eptern 7E is not recommended. Before use, read Eptern 7E tabel for additional information and precautions.



يخ 🔑

[&]quot; TCA as a registered trademark of Hoplane Chemical Company.

⁽⁷⁾ For other band or row widths, adjust the rate in proportion to the area actually treated.

DOSAGE TABLE & (North Dakota and Minnesota only):

į.	HORTHON PLOWABLE PER ACRE				
Ţ		7-Inch Bard Width ⁽¹⁾			
Sed Terrore	Breedcast	22" Retu			
Courte Testured Sells: Sends, Issuey sends and sendy Issues	NOT RECOMMENDED				
Medium Teatured Selfa: Sill loans, clay loans	6 Parter	? Pinte			
Fine Yestered Sette: Heavy days	6 Pines	2 Pina			

⁽¹⁾ For other band or row widths, adjust the rise in proportion to the area actually breated.

POSTEMERGENCE APPLICATION

(For use in California, Michigan, Ohio, Minnesota, and Horth Debota only):

CONSTRAL INFORMATION

The tank-misse of NORTRON' Flowable plus BETANEX' and NORTRON' Flowable plus BETAMIX' applied posterny gance broaden and enhance the control of weeds.

Furthermore, control of succeptible weeds which may germinate after freetment can be obtained provided overhead moisture is applied to activate NORTRON Flowable. The choice of tank-mixes is dependent upon weed species present.

NORTRON Flowable alone is not recommended for posternergence use.

Timing of Application: Apply the tenk-mix NORTRON Flowable + BETANEX or NORTRON Flowable + BETANEX when sugar beats have at least 4 fully expanded true leaves. Apply at rates recommended in the Dosege Tables. Use the higher rate of NORTRON Flowable where increased residual week control is desired. Where Eptern has been applied preplant (fall or spring-applied), do not apply NORTRON Flowable + BETANEX or BETANEX tank-mix before the sugar beats have 6 expended true leaves.

Sugar bests may be killed or severely injured if treated at series stages of crop grows. See Posternergance Use Processions for additional information on proper use.

Mixing the Sprey; NORTRON® Flowable, BETANEX® and BETAMIX® are formulated as emula Rabie concentrates and are easily mixed. Add NORTRON Flowable to the water in the spray tank followed by BETANEX or BETAMIX white agretting the aprity solution thoroughly. Refer to the BETANEX or BETAMIX labels for additional precautions and information on mixing.

Sprily Equipment: Apply the mixture using standard low pressure (20-80 psi) sprey equipment. Ensure that the spreyer is thoroughly clean. Spray equipment should be carefully calibrated before use and checked frequently during application to see that it is functioning properly. Uniformly apply the recommended rate in 20-80 gallons of water per acre on a broadcast basis. Avoid overlaps, since crop injury may result. When applying in a band, check to make curtain that the band width is accurate for the dosage rate being applied. Do not use strainer smaller than 50-meth.

Meleture Fellowing Application/Residual Weed Central: Reintell or sprinkler irrigation within 6 hours of spraying may reduce weed control; however, moreurs after this period of time is edvantageous for moving NORTRON Flowable into the 1-2" Hyer of soil where it can be absorbed by the roofs of soraged and germinating weeds to provide optimum control. One-half inch or more of sprinkler is: ligition is required to activate NORTRON Flowable on most soil types.

Residual control of weeds at dependent upon soil moisture conditions, rate of herbicide used, and soil tenture. The activity of NORTRON Flowable in the soil is reduced as the soil tenture becomes finar and organic matter increases.

CAUTION

MINNESOTA APD MONTH DAKOTA — Do not apply to crop which has been previously treated with

CALPORELA, MICHEGAN AND CHIC — Following a preemergence treatment of NORTRON :
Floreble, do not apply NORTRON Floreble posternergence where more then 6 pints were applied preumergence. No more than a total of 1 gallon of NORTRON Floreble should be applied in a slight growing season. See Posternergence Use Proceutions for additional information on proper use.

HONTRON' Pleasable + BETANEX' (furd-intx)

MICHEAN, CHEC, MERIESCITA, AND NORTH DAKCITA CHELY: HORTHON Floweshis applied postemergence in a serfurnic with SETANEX broadens and enhances the control of broublesome weeks. Furthermore, preemergence control of exceptible weeds which may germinate following treatment can be obtained provided overhead moreture is sufficient to activate NORTRON Floweshis. WEED SPECIES CONTROLLED:

Group I: Woods controlled up to the 6-leaf stage

Plediract progress (Americanius retrollause), Wild museurd (Bresice lieber), Netfleteel goosefoot (Charapodium murate), London rocket (Steymbrium into), Common lembequarters (Charapodium album)



Group II: Weeds controlled up to the 4-lest stage.

Common chickweed (Stefferie medie), Black nightshade (Solenum nigrum), Common requieed (Ambrosia artemistrolle), Shepherdspurse (Capsalle burse-pastoris), Groundcherry (Physalis lenceifolie), Pennsylvania smartweed (Polygonum pensylvanicum), Ladysthumb (Polygonum persiceria).

Group III: Weeds controlled up to the 2-lest stage.

Annual sowthistie (Sonchus pierscaus), Common purstane (Portulaca pieracea), Wild buckwheel (Polygonum comohulus), Kochia* (Kochia scoperia).

DOSAGE TABLE 9 (Michigan, Ohio, Minnesota and North Dakota only):

Note of Martren Flowedde Per Aprel ⁽¹⁾					Rate of B	etenez Per A	cre(1)		
	T	A.	Row Specing				Page	- 540	:ing
Greadcast Rate	Sendal White (In)	22.	54.	39 *	Breedcast Rate	David (2) White (us)	22.	39.	30"
2%-3 Pints	,	¥i-1 Pint	yş. Xi Plat	3.5	41/2-4 Piris	7	114-2 Pints		

⁽¹⁾ Use the higher rate on larger weeds and augus batts

NORTRON' Flourable + BETAMIX' (tank-mbx)

CALIFORNIA, MICHIGAN, ONO, MINNESOTA AND NORTH DAKOTA CHILY: NORTRON' Floreble applied posternergence in a tunk-mix with BETAMIX broadens and enhances the control of troublesome weeds. Furthermore, preemergence control of succeptible weeds which may germinate follow ing treatment can be obtained provided overhead moisture is sufficient to activate NORTRON Flowable.

WEED SPECIES CONTROLLED:

Group I: Words controlled up to the 6-lest stage.

Redroot pigweed (Ameranthus retrollerus), Wild musterd (Bressice leber), Nettleleaf goosefoot (Chenopodium murele), London rocket (Sisymbrium irio), Common tembequerters (Chenopodium album).

Group II: Weeds controlled up to the 4-leaf stage.

Common chickweed (Stellerie medie), Black nightshade (Solarum nigrum), Common regweed (Ambrosie ertemisiifolie), Shepherdspurse (Capealle burse-pestoris), Groundcherry (Physalis tencelfolie), Pennsylvenia smartweed (Polygonum pensylvenicum), Ladyethumb (Polygonum persicarie), Prostrate pigweed (Amerenthus billoides), Coast fiddleneck (Amsinckie

Group III: Weeds controlled up to the 2-lest stage.

nue), Canarygrass*** (Phalaris canariansis).

- * Spray hochie while in the rosette stage, test then 1° in cler ** Group II weed in California.

DOBAGE TABLE 10 (Cultivrale, Michigan, Ohio, Mirrocote and North Delete only):

Rate of Hertran	Rate of Hertren Flowalds Per Acro				Path of B	elamin Per A	10(1)		
		New Speaking					è	a Speci	***
Brydest Rate	-	#	**	*	Broadcast Rate	State (M) Whith (M)	22	₹.*	13
214-3 Pinus	7	3.5	3.5	16-55 PRI	416-6 Pinto	7	19-2 Pena	1-1 M Pr 4	119

⁽¹⁾ Use the higher rate on larger weeds and sugar be

PREPLANT AND PREMERGENCE USE PRECAUTIONS:

NORTRON Flowable applied alone or in tentembrite according to label directions and under every-growing conditions may cause temporary leaf fusion, distortion and sturting. Grop injury may occur during early growth when care to accord due to herbicide residue carryover, highly selline or allestik, unusually cold and wet weather or improperly placed fartilizers or soil insect

Unusually dry, windy weather following application of NORTRON Flowable, which dries the upper soil layer, may reduce effectiveness.

Where NORTRON Flowable is used in a tank-mix with TCA, do not use treated augar best tops for feed or forage.

BEST AVAILABLE COPY

[&]quot; Sprey kachie while in the results stage, less than 1" in di

⁽²⁾ For other band or row widths, adjust rates in propri

1. 1.

POSTEMERGENCE USE PRECAUTIONS: Make only one application of NORTRON Flowable + BETANEX® or BETAMIX® tank-mix during each growing season.

Do not apply NORTRON Flowable + BETANEX or BETAMIX tank-mix to sugar beets later than 90 days prior to harvest.

Crop Planting Precautions: If crop is lost due to untavorable growth conditions following treatment, do not replant with crops other than sugar bests in treated land during the same season, if fields are replanted to augur bests, reced into treated band. Do not retreat field with NORTRON Flowable in the same seeson

NORTRON Flowable + BETANEX OR BETANIX MAY CAUSE SUGAR BEET INJURY OR STAND LOSS IF THE CHOP IS UNDER STRESS FROM ONE OR MORE OF THE FOLLOWING CONDITIONS:

Rapid climatic changes from cool, overcast days, to hot (80°F or over), bright days. When the air temperature is, or is tilkely to be, above 80°F on the day of spraying, application should be made in the evening when the temperature is lower.

Frost within seven days following treatment;

Windy or drought conditions;

Use of a preplant or preemergence herbicide or other chemicals;

Insect of disease injury:

Close cultivation

If stress conditions are present, delay application until crop has recovered.

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

Do not spray while daw is present

Raintall or sprinkler irrigation within 6 hours of application may reduce weed kill.

Do not allow spray drift to contact adjacent crops which may be injured by spray drift.

IMPORTANT: This tank-mix may cause temporary growth retardation and/or chlorosis or tip-burn on Sugar beets. Sugar beets usually resume normal growth within 10 days.

INFORTANT: READ BEFORE USE.

By using this product, user accepts the following conditions, warranty; disclaimer of warranties and finalities of

CONDITIONS: The directions for use of this product are believed to be adequate and should be followed carel However, because of extreme weather and sociounditions, 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 instituctiveness is always possible.

DIRCLAMER OF WARRANTIES: THERE ARE NO WARRANTIES, EXPRESS OR NAPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WHICH EXTEND BEYOND THE STATEMENTS OF OF FITTINGS FOR A PARTICULAR PURPOSE OF OTHERWISE, WHICH STATE OF THE STATEMENTS MADE ON THIS LABEL. HE agent of HORAMI Chemical Company is substituted to make any waterfalls beyond those contained havin or to modify the waterfalls carefully labeled haveln. UNDER NO CIRCLIMITANCES 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 demagns evening out of the use of this product exceed the purchase price of this product wheel.

CHOR-AM Chamical Company, 1985



