Reg # 55947-14.0

PM-22

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

1727

OCT 1 2 1993

Office of Prevention, Pesticides and Toxic Substances

James S. Fickle SANDOZ AGRO, INC. 1300 EAST TOUHY AVENUE DES PLAINES IL 6018

Subject: Label Amendment Submission of 06/07/93

in Compliance with WPS Labeling Requirements

EPA Reg No. 55947-140 FRONTIER HERBICIDE

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)

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.

Sinderely

James Tompkins, Deputy Chief Registration Support Branch Registration Dibision (7505W) Frontier Herbicide (Approved March 1993) Directions For Use

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(DIRECTIONS FOR USE)

FRONTIER® Herbicide

FOR WEED CONTROL IN FIELD CORN

ACCEPTED
with COMMENTS
in EPA Letter Dated
OCT 1.2 100

Under the Foderal Inscetteide, Fundicide, and Radontielde Act as amended, for the posticide registered under EPA Reg. No. 55947 - 145

ACTIVE INGREDIENTS:

FRONTIER contains 7.5 lbs. active ingredient per gallon.

KEEP OUT OF REACH OF CHILDREN

WARNING

AVISO

Si usted no entiende la etiqueta, bueque a alguien para que se la explique a usted en detalle...(fi you do not understand the label, find someone to explain it to you in detail.)

See next page for additional precautionary statements and statement of practical treatment.

Net Contents: EPA No. 55947-140 EPA Est. No. 55947-TX-1

> SANDOZ AGRO, INC. 1300 E. Touhy Avenue Des Plaines, IL 60018



Frontier Herbicide (Approved March 1983) Directions For Use

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FRONTIER® Herbicide

FOR WEED CONTROL IN FIELD CORN

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS (& DOMESTIC ANIMALS)

WARNING

aviso

Causes eye irritation. Do not get in eyes, on skin, or on clothing. Harmful if swallowed. Avoid breathing spray mist. May cause skin sensitization reactions in certain individuals. Wear pretective elething (coveralls and gloves) while handling or using this product. Wash theroughly after handling.

In case of contact, wash skin with soap and water. For eyes, flush with water for 15 minutes and get medical attention if irritation persists.

Receive Equipment:

Some materials that are chemical-resistant to this product are listed below. If you want more options follow the instructions for category E.c., an EPA chemical resistance category section chart:

Applicators and other handlers must wear.

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, such as Barner laminate or Nitrile Rubber or Neoprene Rubber or Vitori
- Shoes plus socks
- TO GETTY BY AVEAU

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Transfer our entre la production de

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User Safety Recommendations: Users should:

Wash hands before eating drinking chewing gurn using tobacco or using the toilet.

Remove dothing immediately if pesticide gats inside. Then wash thoroughly and put on clean clothing.

Hemove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

FOR TERRESTRIAL USE, 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 BY DISPOSAL OF EQUIPMENT WASHWATERS OR RINSATE. DO NOT APPLY WHEN WEATHER CONDITIONS (GUSTY WINDS, HIGH TEMPERATURES, LOW HUMIDITY, AND WHEN A TEMPERATURE INVERSION EXISTS) FAVOR DRIFT FROM TREATED AREAS.

DIMETHENAMID HAS PROPERTIES THAT MAY RESULT IN GROUNDWATER CONTAMINATION. APPLICATION IN AREAS WHERE SOILS ARE PERMEABLE OR COARSE AND GROUNDWATER IS NEAR THE SURFACE COULD RESULT IN GROUNDWATER CONTAMINATION. FOLLOWING APPLICATION AND DURING RAINFALL EVENTS THAT CAUSE RUNOFF, THIS CHEMICAL MAY REACH SURFACE WATER BODIES INCLUDING STREAMS, RIVERS AND RESERVOIRS.

CARE MUST BE TAKEN WHEN USING THIS PRODUCT TO PREVENT I) BACK SIPHONING INTO WELLS, 2) SPILLS OR 3) IMPROPER DISPOSAL OF EXCESS PESTICIDE, SPRAY MIXTURES OR RINSATES.

CHECK VALVES OR ANTISIPHONING DEVICES MUST BE USED ON ALL MIXING EQUIPMENT.

PHYSICAL OR CHEMICAL HAZARDS

DO NOT USE OR STORE NEAR HEAT OR OPEN FLAME.



DIRECTIONS FOR USE

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

AGRICULTURAL USE PLOUREMENTS

is a this production with accordance with its labeling Brit with the Motion Protection Starciard at Continent To. This Starciard contains requirements of the protection at accretional workers on tarms, crests, pursained and green requestions and particle and popular results of training decorpanies of training to containing the state of the production are covered by the Worker Protection Standard.

Completed allow worker energing treated areas during the restricted energinaryal (REI) of 2 hours.

Exceptions If the product is sold injected or sold next presed, the Worker Protection Standard, under certain circumstances, allows workers to entry the treated area if there will be no contact with anything that has been treated.

PPE required the 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

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· "多多的是是第二个的。"

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

IMPORTANT: Read the Limited Warranty and Liability and all applicable Directions for Use in attached booklet before using this product.

BEST AVAILABLE COPY

Frontier Herbicide (Approved Merch 1993) Directions For Use

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Order and Contents of Label Use Directions

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Early Posternergence

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STORAGE AND CONTAINER DISPOSAL

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GENERAL INFORMATION

Frontier is a selective preemergence herbicide for control of most annual grasses, certain annual broadleaf weeds and sedges in field corn. This product will provide most effective weed control when applied (by ground or aerial equipment), and subsequently incorporated into soil by rainfall, sprinkler irrigation, or mechanical tillage prior to weed seedling emergence from soil.

Frontier is recommended for preplant incorporated, preplant surface, preemergence or early postemergence treatment in field corn. Frontier application may be made using either water or fluid fertilizer as the spray carrier or it may be impregnated on and applied with dry bulk fertilizer. Sprayable fluid fertilizer as a carrier is not recommended for use after crop emergence.

Observe all precautionary statements and limitations on labeling of all products used in tank mbtures. Tank mix recommendations are for use only in states and on application sites where the lank mix product is registered.

Do not apply this product through any type of irritation system. Do not enter-treated areas without protective clothing until spray has dried.

Single or split applications of Frontier may not exceed a total of 25 fluid ounces per acre in one crop year.

Recommended use rates of this product vary by soil type. The most accurate indicator of appropriate use rate for Frontier is the Cation Exchange Capacity (CEC) of the soil to be treated. CEC values are available in standard soil testing procedures. If CEC values are not available, the recommended use rate of Frontier may be determined using the soil texture and organic matter. Soil texture groupings used in this label are coarse, medium and fine. Soil textures included in these groupings are as follows:

COARSE	MEDIUM	FINE
Sand Loamy Sand Sandy Loam	Silt Silt Loam Loam Sandy Clay Loam	Sandy Clay Silty Clay Silty Clay Loam Clay Loam Clay

Frontier use rates, by either soil CEC values or by soil texture and organic matter, are given in specific crop use sections of this label. When use rates are expressed in ranges use the lower end of the rate range for lower CEC values and use the higher end of the rate range for higher CEC values. If texture and organic matter are used to determine use rates, use the lower end of the rate range for more coarsely textured soils low in organic matter and the higher end of the rate range for more finely textured soils that are high in organic matter.

WEED SPECIES CONTROLLED BY FRONTIER HERBICIDE

Frontier herbicide applied at recommended rates and application timings will control many annual grass and broadleaf weeds.

Annual Grasses
Barnyardgrass
Broadleaf Signalgrass
Crabgrass,
Smooth
Large
Foxtail,
Giant
Green
Yellow
Goosegrass
Johnsongrass (seedling)*
Fall Panicum
Southwestern Cupgrass
Texas Panicum*

Annual Broadleaves Carpetweed Common Purslane Florida Puslev Nightshade,* Black Eastern Black Hairy Pigweed, Prostrate Redroot Smooth Tumble Spurge. **Nodding** Spotted

Yellow Nutsedge* Rice Flatsedge

Sedge

* For best control of these species use the highest recommended rate by soil type. If dry conditions exist near application or excessive rainfall occurs early in season, a postemergence herbicide and/or cultivation may be required to aid in control of these weeds.

<u>ADDITIONAL WEED SPECIES PARTIALLY CONTROLLED.</u> Frontier will provide partial control or suppression of woolly cupgrass, wild proso millet, shattercane, sandbur, Florida beggarweed, common lambsquarters, and common ragweed. Control of these species will generally not be commercially acceptable. To complement control Frontier should be used in tank mixtures or sequential applications with other herbicides that provide additional control of these weed species.

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FRONTIER HERBICIDE USE METHODS AND TIMINGS

Frontier may be applied preplant surface, preplant incorporated, preemergence or early postemergence to field corn. Best weed control will result when applied (by ground or aerial equipment), and subsequently incorporated into soil by rainfall, sprinkler irrigation, or mechanical tillage prior to weed seedling emergence from soil.

PREPLANT SURFACE APPLICATIONS

For use in minimum tillage or no-tillage production systems, application of Frontier alone or in tank mixtures may be made up to 45 days before planting. When making early preplant applications (15 to 45 days prior to planting) use the highest rate recommended for the specific soil type. Early preplant applications are r of recommended for use on coarse textured soils or in areas where average annual rainfall (or rainfall + irrigation) typically exceeds 40 inches. Early preplant applications may be applied as part of a split application program where the second application is made after planting (use 2/3 of Frontier rate early followed by 1/3 of rate after planting). A split application is recommended when initial application is made more than 30 days prior to planting. Tank mixtures with postemergence herbicides such as Roundup® or Gramoxone Extra® must be used when weeds are present at the time of application.

PREPLANT INCORPORATED APPLICATIONS

Apply Frontier and incorporate into the upper (1-2 inch) soil surface up to two weeks before planting. Use a harrow, rolling cultivator, finishing disk, or other implement capable of giving uniform shallow incorporation. Avoid deeper incorporation or reduced weed control and/or crop injury may result.

PREEMERGENCE SURFACE APPLICATIONS

Broadcast treatment uniformly to the soil surface after planting and before crop emergence. Rainfall, sprinkler irrigation, or shallow mechanical incorporation after application is required to move this product into the upper soil surface where weed seeds germinate. If adequate rainfall or irrigation does not occur and weed seedling emergence begins, a shallow cultivation or rotary hoeing will improve performance.

EARLY POSTEMERGENCE APPLICATIONS

Frontier may be used in early posternergence applications up to 8 inch tall field corn. Application must be made prior to weed seedling emergence or in a tank mixture with products that control the emerged weeds. Note restrictions and use directions on tank mix product labels.

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FRONTIER HERBICIDE FIELD CORN USE PROGRAMS

Frontier may be used as a prepiant surface applied, preplant incorporated, preemergence or early postemergence (up to 8 inches tail) treatment to field corn, silage corn, or seed corn. Before application to see if corn first verify with your local seed corn company (supplier) the Frontier selectivity on your inbred line, variety. This precaution will help avoid potential injury to sensitive varieties.

Do not apply this product on popcorn or sweet corn.

Corn may be grazed or fed to livestock at 60 or more days after application of Frontier Herbicide.

FRONTIER USE RATES IN FIELD CORN

Recommended bros icast use rates for Frontier when used in tank mix combinations and/or sequential applications with other herbicides in field corn are given in the following tables*. Cation exchange capacity (CEC) of soil is the preferred method for determining use rate. If CEC is not known, select use rate based on soil texture and organic matter content. If Frontier is used alone, used in early preplant applications, and/or used on soils with heavy surface plant residue add 2-4 fluid ounces per acre to the rates given in the following tables. Do not exceed 25 fluid ounces per acre per crop year.

Use rate determined by cation exchange capacity CEC) of soil.					
Cation Exchange Capacity (CEC) of Soil	< 5	5-9	10-14	15-20	> 20
Frontier Use Rate (Fluid ounces/acre)	13	14-18	18-22	22-24	25

Use rate determined by soil texture and organic matter content.				
	Frontier Use Rate (Fluid Ounces Per Acre)			
•	Organic Matter ·			
Soil Texture	Less than 3%	3% or more**		
Coarse	13 to 16	16 to 20		
Medium	16 to 20	20 to 24		
Fine	18 to 22	22 to 25		

- * See tank mix descriptions below for the recommended use rate ranges of other herbicides used in combination with Frontier. Refer to tank mix section of companion product labels for actual use rate by soil type, weed species and weed or crop growth stage.
- ** On all soils with greater than 8% organic matter, use 25 fluid ounces per acre of Frontier.

FRONTIER TANK MIXTURES AND SEQUENTIAL USE PROGRAMS IN FIELD CORN

Frontier may be applied prior to, in tank mix with, or following the use of one or more of the following herbicides: Accente, atrazine, Banvele, Beacone, Bladexe, Claritye, Extrazinee II, Gramoxone® Extra, Marksman®, Princep®, Prowl®, Pur suit®, Roundup®, or 2,4-D. Frontier use rates for sequential or tank mix treatments are presented in the above label section, Frontier Use Rates in Field Corn.

When using tank mix or sequential applications with Frontier, always read the companion product label(s) to determine specific use rates by soil types, weed species, and weed or crop growth stage. In addition, follow precautions and restrictions including state and local use restrictions that may apply to specific products.

When tank mixed, follow additional use	directions given in this table.
FRONTIER DAUS BANVEL(0.5 TO 1.0 PTS/A) OF CLARITY (8 TO 16 FL OZ/A) OF MARKSMAN (2 TO 3.5 PTS/A).	Application may be made preplant surface or preemergence in minimum or no titlage field corn in all soil types. Preemergence applications may be used in all tillage systems where field corn is grown on soils with CEC greater than 15, or medium and fine textured soils with 2.5% or more organic matter (For best performance make application just prior to corn emergence). Early postemergence (up to 8 inches tall) applications may be made on all soil types. This treatment must be combined with a herbicide that provides postemergence control of grass weeds if they are greater than 1 inch tall at the time of application.
ATRAZINE (0.75 TO 2.0 LBS AI/A)	Application may be made preplant surface, preplant incorporated, preemergence or early postemergence (up to 8 inches tail). This treatment must be combined with a herbicide that provides postemergence control of weeds if they are greater than 1.5 inches tail at the time of application. Crop oil concentrate may be added to this mixture to aid in control of emerged weeds. Do not add crop oil concentrate if this mixture is combined with other herbicides for early postemergence applications.
FRONTIER DIUS BLADEX (1.25 TO 3.0 LBS AI/A) or EXTRAZINE II (1.25 TO 3.0 LBS AI/A)	Application may be made preplant surface, preplant incorporated, or preemergence to field corn. This mbdure is not recommended for use on soils with CEC less than 5 or on sand or loamy sand soils with organic matter less than 1%.
FRONTIER plus PROWL 3.3 EC(1.8 TO 3.6 PTS/A)	Application may be made preemergence to early postemergence(up to 3 inches tall) but before weeds are greater than 1 inch tall.
FRONTIER plus PRINCEP (1 TO 3 LBS AI/A)	Application may be made preplant surface, preplant incorporated or preemergence to field corn.

FRONTIER plus PURSUIT 2.0 SL (4 FL OZ/A)	Use only on Pursuit tolerant field corn varieties. Application may be made preplant surface, preplant incorporated, preemergence or early postemergence (up to 3 inch weeds).
FRONTIER phys GRAMOXONE EXTRA (1.5 TO 3.0 PTS/A) Of ROUNDUP (GLYPHOSATE - 0.5 TO 4.0 LBS AI/A)	Application may be made preplant surface or preemergence to control emerged weeds in minimum or no tiliage field corn. Applications must be made prior to field corn emergence. To improve control of emerged broadleaf weeds, herbicides such as Banvel and/or 2,4-D should be added to this mixture.
FRONTIER plus 2.4-D Amine or Ester (1/4 to 1/2 lb si/s)	Application may be made preplant surface or preemergence to control emerged broadleaf weeds in minimum or no-tiliage field corn.
FRONTIER plus ACCENT 75WDG(1/4 TO 2/3 OZ/A) Of BEACON 75 WDG (0.76 OZ/A)	Frontier at reduced use rates: 8 to 12 fl. oz./acre - on soils with CEC less than 10 (coarse soils or medium and fine textured soils with less than 3% organic matter), or 12 to 16 fl. oz./acre - on soils with CEC of 10 or more (medium or fine textured soils with 3% or more organic matter) may be used in these mixtures. Add non-lonic surfactant at .25% v/v plus 4 % v/v liquid fertilizer (28, 30 or 32 % UAN). Herbicides other than those listed below, are not recommended for use with these mixtures. Tank mixes with Accent may be applied from emergence up to 8 inch tall field corn when weeds are emerged and actively growing. Reduced rates (1/4 to 1/3 oz/A) of Accent may be used in this mixture for control of foxtail, barnyardgrass, fall panicum or seedling Johnsongrass that is less than 3 inches tall. Addition of Banvel, Clarity or Marksman herbicide to this mixture will provide burndown and residual control of broadleaf weeds. Tank mixes with Beacon may be applied when field corn is 4 to 8 inches tall and weeds are emerged and actively growing. Use this tank mix only where Beacon is labeled for control of emerged grass species that are present. Addition of Banvel or Clarity to this mixture will provide added burndown and residual control of broadleaf weeds.

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MIXING AND APPLICATION DIRECTIONS

MIXING OF SPRAY SOLUTIONS

Frontier is a concentrated liquid herbicide that can be mixed for application in water, sprayable fluid fertilizer, or it may be impregnated on dry bulk fertilizer. When herbicide tank mixtures or mixtures with sprayable fluid fertilizer are to be used, a compatibility test should be conducted prior to tank mixing (SEE COMPATIBILITY TEST section in this label).

When loading a spray tank for application of Frontier (alone or in tank mixtures with other products) use the following order for mixing:

1. Thoroughly clean spray tank prior to use.

2. Fill sprayer tank one-half full of either water or sprayable fluid fertilizer.

3. Start sprayer agitation system and continue agitating throughout mixing and application.

- 4. If compatibility test indicated the need for addition of a compatibility agent, add the amount recommended on the label of the selected compatibility agent.
- 5. If tank mixing with wettable powder or dry flowable products, make a slurry of these products with water and add slowly to spray tank.
- 6. If tank mixing with a flowable formulation, add this product slowly to spray tank.
- 7. Add Frontier herbicide to spray tank.
- 8. If tank mixing with emulsifiable concentrates or soluble liquid products add these products to spray tank.
- 9. If tank mixing with Gramoxone Extra or Roundup add these products as remainder of spray tank is filled with carrier.
- 10. If adding spray adjuvants, add them after all other products have been mixed.

GROUND OF AERIAL APPLICATIONS

Apply the recommended rates of Frontier in 2 or more gallons of spray solution per acre. Actual minimum spray volume per acre is determined by spray equipment used for application. Application must be made in adequate volume to provide accurate and uniform distribution of spray particles over treated area and to avoid drift of spray particles to non-target areas. In addition, when Frontier is used in tank mixtures, spray volume used must be no less than the minimum volume required by the tank mix product. Use nozzle screens no finer than 50 mesh when spraying tank mixtures with wettable powder or flowable formulations.

Frontier may be applied as a band treatment. Use rates within the treated area of the band must not exceed the use rates given for broadcast application. Use the formula below to determine the appropriate amount of product and volume of carrier needed per acre of field.

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Band width

<u>in inches</u> X Broadcast Rate = Band Rate Row width per acre per acre

Banc width

<u>in inches</u> X Broadcast Volume = Band Volume Row width per acre per acre

USE OF SPRAY ADJUVANTS

Frontier is a preemergence herbicide for which spray adjuvants have little or no influence on performance. However, several herbicides used in tank mixtures with Frontier require use of adjuvants to aid in the burndown of emerged weeds. Use only those adjuvants cleared for agricultural crop use. Surfactants and/or low rate fertilizer (28%, 30% or 32% UAN or ammonium sulfate) adjuvants may be used with tank mixes applied preplant, preemergence or early postemergence to the crop. Crop oil concentrates may be used prior to crop emergence but are not recommended after crop emergence unless specified for a particular tank mixture.

COMPATIBILITY TESTING

A compatibility test is recommended for applications with liquid fertilizer. Before mixing products in the spray tank, small amounts of all products can be mixed in proportionate quantities to determine compatibilities. The amounts of carrier and products in this compatibility test are based on a spray volume of 25 gallons per acre. Make appropriate changes in amounts for your specific spray volume.

To conduct this test begin by adding one pint of the liquid fertilizer colution to a one quart container. Then add, in sequence as given above, 1 1/2 level teaspoons per lb. use rate for dry formulated products and 1/2 teaspoon per pint(16 fluid ounces) use rate of liquid formulated products. Agitate materials by covering and gently shaking container for 5 to 10 seconds between each product addition.

If herbicide(s) do not ball-up or form flakes, gels, sludge, oily film or layers, or other precipitates, then the tested spray mix is compatible. Incompatibility in any of the above described forms will normally occur within 5 minutes after mixing. If components are incompatible, the use of a compatibility agent is recommended.

Rerun the above compatibility test with a suitable compatibility agent (1/4 teaspoon in test is equivalent to a use rate of 2 pints per 100 gallons of spray volume). If the mixture is then compatible, use the compatibility agent as directed on its label. If the mixture is still incompatible, the liquid fertilizer and herbicide(s) should not be mixed for use in the same spray tank.

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DRY BULK FERTILIZER APPLICATIONS

Frontier may be impregnated or coated onto dry bulk granular fertilizer carriers for preplant surface, preplant incorporated or preemergence applications. Impregnation or coating may be conducted by either the in-plant bulk system or the on-board system. Frontier may also be applied in herbicide tank mixtures where the tank mix companion product is also registered for these application systems. Individuals or agents selling Frontier in these application systems are responsible for following all state and local regulations regarding fertilizer/herbicide blending.

Addition of a drying agent may be necessary if the fertilizer/herbicide blend is too wet for uniform application due to high humidity, high urea concentration, and/or low fertilizer use rate. Slowly add the drying agent to the blend until a flowable mixture is obtained. Drying agents are not recommended for use with on-board impregnation systems.

Under some conditions fertilizer impregnated with Frontier may clog air tubes or deflector plates on pneumatic application systems. Mineral oil may be added to Frontier before blending with fertilizer to reduce pluzging. Do not use drying agents when mineral oil is used. To avoid separation of Frontier and mineral oil mixes in cold temperatures either keep mixture heated or agitated prior to blending with fertilizer. Mineral oil may be used at in-plant blending stations or on-board injection systems.

Apply 200 to 750 pounds of fertilizer/herbicide blend per acro. Application must be made uniformly to the soil to prevent possible crop injury and offer satisfactory weed control. Impregnated fertilizer spread at half rate and overlapped to obtain a full rate will offer a more uniform distribution. A shallow (1-2 inch) incorporation is desirable for improved weed control. Deeper incorporation may result in unsatisfactory weed control.

Formula to determine herbicide rate(s):

Fluid Ounces or Pounds Herbicide/Acre

X 2000 =
Pounds of Fertilizer/Acre

Fluid Ounces or Pounds of Herbicide Per Ton of Fertilizer

INCOMPATIBLE MIXTURES - DO NOT impregnate Frontier or Frontier mixes on ammonium nitrate, potassium nitrate, or sodium nitrate fertilizers or fertilizer blends. Single superphosphate (0-0-20) and triple superphosphate (0-0-46) may be impregnated only with Frontier alone.

ROTATIONAL CROPS

If the field corn crop treated with Frontier is lost to adverse weather or for other reasons, the area treated may be replanted to corn immediately. If the original Frontier treatment was broadcast do not make a second application of Frontier. If the original application was banded and the second crop is planted in the row middles a second band application may be applied. Fall seeded cereal crops may be planted at 4 or more months after a spring application of Frontier. There are no rotational crop restrictions in the Spring following the previous year's application of Frontier.

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Frontier used in tank mixtures: Refer to the labels of tank mix products for additional rotation crop information and restrictions.

STORAGE AND COL. VINER DISPOSAL

Prohibitions

Do not contaminate water, food, or feed by storage or disposal.

Storage

Store in original container away from fertilizer, feed, or foodstuffs and separated from other pesticides.

Pesticide Disposal

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Plastic Containers

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If containers are burned, do not inhale smoke.

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LIMITED WARRANTY AND LIABILITY

NOTICE: Read this Limitation of Warranty and Limitation of Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Sandoz or seller. All such risks shall be assumed by buyer or user.

Sandoz warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, under normal use conditions, subject to the risks described above. SANDOZ MAKE NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

In no event shall Sandoz or seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVF LIABILITY OF SANDOZ OR SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SANDOZ OR SELLER, THE REPLACEMENT OF THE PRODUCT.

Sandoz and seller offer this product, and buyer and user accept it, subject to the foregoing limitations of warranty and limitation of liability, which may not be modified by any oral or written agreement.

Banvel®, Clarity®, Frontier®, and Marksman® are registered trademarks of Sandoz Ltd. ®

Accent[®], Bladex[®] and Extrazine[®] are registered trademarks of E.i. DuPont de Nemours & Company (Inc.).

Gramoxone® Extra is a registered tradem ark of ICI Agrichemicals, Inc.

Roundup® is a registered trademark of Aonsanto Agricultural Products Company.

Beacon® and Princep® are registered trademarks of Ciba-Geigy Corporation Agricultural Division.

Prowl® and Pursuit® are registered trademarks of American Cyanamid Company.

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(CONTAINER LABEL)

FRONTIER® Herbicide

FOR WEED CONTROL IN FIELD CORN

ACTIVE INGREDIENTS:

TOTAL 100.0%

FRONTIER contains 7.5 lbs. active ingredient per gallon.

KEEP OUT OF REACH OF CHILDREN

WARNING

AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detaile. (fi you do not understand the label, find someone to explain it to you in detail.)

See next page for additional precautionary statements and statement of practical treatment.

Net Contents: EPA No. 55947-140 EPA Est. No. 55947-TX-1

BEST AVAILABLE COPY

SANDOZ AGRO, INC. 1300 E. Touhy Avenue Des Plaines, IL 60018

with COMMENTS.
In EPA Letter Dated
OCT | 2 1993

Under the Federal Inoceticide, Fundicide, and Rodenticide Act as amended, for the posteide registered under EPA Reg. No. 55447-140

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June 7, 1993

FRONTIER® Herbicide

FOR WEED CONTROL IN FIELD CORN

PRECAUTIONARY STATEMEN'S HAZARDS TO HUMANS (& DOMESTIC ANIMALS)

WARNING

AVISO

Causes eye irritation. Do not get in eyes, on skin, or on clothing. Harmful if swallowed. Avoid broathing spray mist. May cause skin sensitization reactions in certain individuals. Wear protective elething (coveralls and gloves) while handling or using this product. Wash thoroughly after handling.

In case of contact, wash skin with soap and water. For eyes, flush with water for 15 minutes and get medical attention if irritation persists.

Personal Protective Equipment:

Some materials that are chemical-resistant to this product are listed below." If you want more options follow the instructions for category E on an EPA chemical resistance category section chart.

Application and other handlers must wear

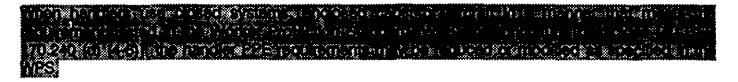
- Long-sleeved shirt and long pants
- Chemical-resistant gloves, such as Barrier laminate or Nitrile Rubber or Neoprene Rubber or Viton
- Shoes plus socks

CONTRACTOR EVENIES

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Engineering common statements:



User Safety Recommendations:

Users should:

- Wash hands before eating, drinking, chewing guint (1900 tobacco or using the toller.
- Remove clothing immediately if pesticide gets inside. Stheir wash incroughly and put on clean clothing.
- Figure PPE immediately after handling this product at year the outside of gloves before removing. As soon as possible, wasn thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

FOR TERRESTRIAL USE, 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 BY DISPOSAL OF EQUIPMENT WASHWATERS OR RINSATE. DO NOT APPLY WHEN WEATHER CONDITIONS (GUSTY WINDS, HIGH TEMPERATURES, LOW HUMIDITY, AND WHEN A TEMPERATURE INVERSION EXISTS) FAVOR DRIFT-FROM TREATED AREAS.

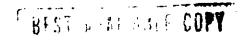
DIMETHENAMID HAS PROPERTIES THAT MAY RESULT IN GROUNDWATER CONTAMINATION. APPLICATION IN AREAS WHERE SOILS ARE PERMEABLE OR COARSE AND GROUNDWATER IS NEAR THE SURFACE COULD RESULT IN GROUNDWATER CONTAMINATION. FOLLOWING APPLICATION AND DURING RAINFALL EVENTS THAT CAUSE RUNOFF, THIS CHEMICAL MAY REACH SURFACE WATER BODIES INCLUDING STREAMS, RIVERS AND RESERVOIRS.

CARE MUST BE TAKEN WHEN USING THIS PRODUCT TO PREVENT I) BACK SIPHONING INTO WELLS, 2) SPILLS OR 3) IMPROPER DISPOSAL OF EXCESS PESTICIDE, SPRAY MIXTURES OR RINSATES.

CHECK VALVES OR ANTISIPHONING DEVICES MUST BE USED ON ALL MIXING EQUIPMENT.

PHYSICAL OR CHEMICAL HAZARDS

DO NOT USE OR STORE NEAR HEAT OR OPEN FLAME.



June 7, 1993

DIRECTIONS FOR USE

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



AGRICULTURAL USE REQUIREMENTS

HER THE PROJECT ONLY IT RESIDENCE WITH IS LOSSING BY MIT THE VOICE PROJECTION CLARICANT.

OF CHILD IN TO THE SURVISION CONTROL SECURE PROJECTION OF ACTUALISM

FOR EACH OF THIS CORREST TERRIFIES AND DESCRIPTION CONTROL TO ACTUALISM DESTRICTED.

CONTROL SECURITION OF THE PROJECT OF THE PROJEC

TO It's enter or allow worker only into treated areas olders the restricted entry interval (REI) of 2. hours

Disaption: If the product it soil injected or soil incorporate, the Worker Protection Standard, lander pertain circumstances. Mores workers to enter the treated area if there will be no contact with anything that has been treated.

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:

Covereils

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Section of the section

SEPTIMENT OF BY ENERS

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



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June 7, 1993

STORAGE AND CONTAINER DISPOSAL

Prohibitions

Do not contaminate water, food, or feed by storage or disposal.

Storage

Store in original container away from fertilizer, feed, or foodstuffs and separated from other pesticides.

Pesticide Disposal

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Plastic Containers

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If containers are burned, do not inhale smoke.

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June 7, 1993

LIMITED WARRANTY AND LIABILITY

NOTICE: Read this Limitation of Warranty and Limitation of Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

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