OFFICE OF PESTICIDES PROGRAMS	524-473	1 1994	- ⁶ 24- 4
REGISTRATION DIVISION (75-767) WASHINGTON, DC 20460	TERM OF ISSUANCE		pe 19.
NOTICE OF PESTICIDE:	NAME OF PESTICIDE PRO	DUCT	-1 '
(Under the Federal Insecticide, Fungicide,	t sacht Plus de	r 1. 3 2	
and Rodenticide Act, as amended)	1946 - 194 2 1961		
AME AND ADDRESS OF REGISTRANT (Include ZIP code)	_ I		
F	Г		
Nonsanto Agricultural Products			
700 14 th Street, MN Suite #1100	²)		
Washington, DC 20005	4		
NOTE: Changes in labeling formula differing in substance for submitted to and accepted by the Registration Division prior product always refer to the above U.S. EPA registration num	r to use of the label in comm		5
On the basis of information furnished by the registrant, the the Federal Insecticide, Fungicide, and Rodenticide Act.	above named pesticide is he	ereby Registered/Reregistered unde	it.
A copy of the labeling accepted in connection with this Rep	gistration/Reregistration is	returned herewith.	
Registration is in no way to be construed as an indorsement health and the environment, the Administrator, on his motion loide in accordance with the Act. The acceptance of any na Act is not to be construed as giving the registrant a right to by others.	n, may at any time suspend me in connection with the re	or cancel the registration of a pest- egistration of a product under this	-
		s a la forma de la compañía de la	
This product is conditionally letter: Insection -, Manglel -, and Referici writing to the following:			
1. Your will comply with all the term- Recistration Purtherunce (APP) letter	and rendt(our sour Hers in provident	studia i to toobtor (os officiousent).	
F. H. new asory, job will commit republication of your product under Agency requires (1) registrants of si	FIFTA action (* ~)	(1) on 4(a) when the	
 You will submit production informat product for the fiscal year in which t accordance with FIFRA section 29. Th September 30. The production informati than Hovember 15, following the end of 	he product is confit ne fiscal year begin on will be submitted	io:117 registered, in as October 1 and ends to the Agency no later	
DEOT			
	AVAILABLE	eopy	
		MAR I 1 1994	

This information should be submitted to:

•. ..

U.S. Environmental Protection Agency Office of Pesticide Programs (H7404C) Document Processing Desk (RSB) 401 M Street SW., CM #2 Washington, DC 20460

4. You will add the phrase "EPA Registration No. 524-476" to your label before you release the product for shipment.

5. You will submit five (5) copies of your final printed label before you release the product for shipment.

1. KU

A stamped copy of labeling is enclosed for your records.

-2-

RESTRICTED USE PESTICIDE HARNESS® PLUS HERBICIDE BY MONSANTO

Harness® Plus is an emulsifiable herbicide for weed control in Field Corn, Silage Corn and Popcorn.

RESTRICTED USE PESTICIDE

due to oncogenicity. For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

In case of an emergency involving this product or for user safety information on this product, Call Collect, day or night (314) 694-4000.

Complete Directions for Use

®Registered trademark of Monsanto Company

EPA Reg. No. 524-476

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Read each of these sections of this label for essential product performance information.

PRECAUTIONARY STATEMENTS

GENERAL INFORMATION

MIXING, SPRAYING, AND HANDLING INSTRUCTIONS

APPLICATION INFORMATION

CULTIVATION INFORMATION

WEED CONTROL WITH HARNESS PLUS

ACCEPTED with COMMENTS in EPA Letter Dated:

MAR 1 1 1994

Under the Federal Instaticide, Fungicide, and Referencide Act as amended, for the possibility registered under EPA Reg. No. 524-476

(MON 8404 Formulation Update)

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Read the entire label before using this product.

Use only according to label instructions.

Read "LIMIT OF WARRANTY AND LIABILITY" before buying or using. If terms are not acceptable, return at once unopened.

REFORMULATION OR REPACKAGING IS PROHIBITED.

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LIMIT OF WARRANTY AND LIABILITY

This Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes set forth in the Complete Directions for Use label booklet ("Directions") when used in accordance with those Directions under the conditions described therein. NO OTHER EXPRESS WARRANTY OR IMPLIED WARRANTY OF FITNESS FOR PARTICULAR PURPOSE OR MERCHANTABILITY IS MADE. This warranty is also subject to the conditions and limitations stated herein.

Buyer and all users shall promptly notify this Company of any claims whether based in contract, negligence, strict liability, other tort or otherwise.

Buyer and all users are responsible for all loss or damage from use or handling which results from conditions beyond the control of this Company, including, but not limited to, incompatibility with products other than those set forth in the Directions, unusual weather, weather conditions which are outside the range considered normal at the application site and for the time period when the product is applied, as well as weather conditions which are outside the application ranges set forth in the Directions, application in any manner not explicitly set forth in the Directions, moisture conditions outside the moisture range specified in the Directions, or the presence of products other than those set forth in the Directions in or on the soil, crop or treated vegetation.

THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE LIMIT OF THE LIABILITY OF THIS COMPANY OR ANY OTHER SELLER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT (INCLUDING CLAIMS BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY, OTHER TORT OR OTHERWISE) SHALL BE THE PURCHASE PRICE PAID BY THE USER OR BUYER FOR THE QUANTITY OF THIS PRODUCT INVOLVED, OR, AT THE ELECTION OF THIS COMPANY OR ANY OTHER SELLER, THE REPLACEMENT OF SUCH QUANTITY, OR, IF NOT ACQUIRED BY PURCHASE, REPLACEMENT OF SUCH QUANTITY. IN NO EVENT SHALL THIS COMPANY OR ANY OTHER SELLER BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES.

Buyer and all users are deemed to have accepted the terms of this LIMIT OF WARRANTY AND LIABILITY which may not be varied by any verbal or written agreement.

(MON 8404 Formulation Update)

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APPENDIX

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APPLICATION INFORMATION
     BAND TREATMENT
     GROUND BROADCAST TREATMENT
     APPLICATION WITH
      DRY BULK FERTILIZER
     APPLICATION TIMING AND METHODS
DIRECTIONS FOR USE
     CORN, FIELD CORN, SILAGE CORN AND POPCORN
      HARNESS PLUS
      HARNESS PLUS + Atrazine
      HARNESS PLUS + Atrazine + Bladex
      HARNESS PLUS + Banvel
      HARNESS PLUS + Bladex
      CONSERVATION OR MINIMUM TILLAGE SYSTEMS
      At-Planting Applications
            HARNESS PLUS
            HARNESS PLUS + Atrazine
            HARNESS PLUS + Atrazine + Bladex
            HARNESS PLUS + Bladex
      Early-Preplant Applications
            HARNESS PLUS
            HARNESS PLUS + Atrazine
DISPOSAL
FLUID FERTILIZER COMPATIBILITY TEST
GENERAL INFORMATION
INGREDIENTS
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      INSTRUCTIONS
PRECAUTIONARY STATEMENTS
SOIL TEXTURE
WEEDS CONTROLLED WITH HARNESS PLUS
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PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

Keep out of reach of children.

DANGER! PELIGRO!

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

CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE. HARMFUL IF SWALLOWED OR INHALED. MAY BE FATAL IF ABSORBED THROUGH SKIN. MAY CAUSE ALLERGIC SKIN REACTION.

Do not get in eyes, on skin or on clothing.

Avoid breathing vapor or spray mist.

Personal Protective Equipment:

Applicators and other handlers must wear: long sleeved shirt and long pants, waterproof gloves, chemical-resistant footwear plus socks, protective eyewear, chemical-resistant headgear for overhead exposure and chemical-resistant apron when cleaning equipment, mixing, or loading.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product. Do not reuse them. 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.

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:

User should:

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

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

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

FIRST AID: IF IN EYES, immediately flush with plenty of water for at least 15 minutes. Get medical attention.

IF ON SKIN, immediately flush with plenty of water while removing contaminated clothing. As soon as soap is available, wash skin thoroughly with soap and water. Wash clothing before reuse. Sensitized persons should avoid further contact and reuse of contaminated clothing. Get medical attention.

IF SWALLOWED, do not induce vomiting. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

IF INHALED, remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to mouth. Get medical attention.

In case of an emergency involving this product, Call Collect, day or night, (314) 694-4000.

Environmental Hazards

This product is toxic to fish. 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 when disposing of equipment washwaters.

This chemical demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the groundwater is shallow, may result in groundwater contamination.

Acetochlor has properties that may result in surface water contamination via dissolved runoff and runoff erosion. Practices should be followed to minimize the potential for dissolved runoff and/or runoff erosion.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any manner inconsistent with its labeling. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

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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 assisitance. 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 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.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours. Exception: if the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows 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, are: coveralls, waterproof gloves, chemical-resistant footwear plus socks, and protective eyewear.

For more product information, call toll-free 1-800-332-3111.

Storage and Disposal

Do not contaminate water, foodstuffs, feed or seed by storage or disposal.

DISPOSAL: Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, state or local procedures.

Emptied container retains vapor and product residue. Observe all labeled safeguards until container is destroyed.

(See the individual container label for disposal information.)

ACTIVE INGREDIENT:

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*Acetochlor	•	•	-		•	-	•	•	•	•	•	•	•	•	•	•	•	•	•	•	٠	٠	75.3%
INERT INGREDIENTS	•	•	•	•		•	•	•		•	•	•		•	٠	•		٠					24.78
																							100.0%

*Contains 839 grams/litre or 7.0 pounds/gallon of 2-chloro-Nethoxymethyl-N-(2-ethyl-6-methylphenyl)acetamide.

GENERAL INFORMATION

Harness® Plus herbicide is recommended for control of yellow nutsedge and the annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label. This product will not control emerged seedlings. This product may be applied either as a surface application before or after planting or shallowly incorporated prior to planting to blend the herbicide treatment into the upper 1 to 2 inches of soil. Except for minimum or conservation tillage systems, the seedbed should be fine, firm and free of clods and trash.

Read and carefully observe precautionary statements and all other information appearing on the labeling of all products used in mixtures and sequential treatments.

USE RESTRICTIONS

This chemical demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areass where soils are permeable, particularly where the groundwater is shallow, may result in groundwater contamination. Do not apply to coarse soils classified as sands with less than 3% organic matter (as determined by soil tests, if not known) where depth to groundwater is 30 feet or less.

This product may not be mixed or loaded within 50 feet of any wells (included abandoned wells and drainage wells), sink holes, perennial or intermittent streams and rivers, and natural or impounded lakes and reservoirs. This setback does not apply to properly capped or plugged abandoned wells and does not apply to impervious pad or properly diked mixing/loading areas.

Operations that involve mixing, loading, rinsing, or washing of this product into or from pesticide handling or application equipment or containers within 50 feet of any well are prohibited unless conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be positioned on or moved across the pad. Such a pad shall be designed and maintained to contain any product spills or equipment leaks, container or equipment rinse or washwater, and rainwater that may fall on the pad. Surface water shall not be allowed to either flow over or from the pad, which means the pad must be self contained. The pad shall be sloped to facilitate material removal. An unroofed pad shall be of sufficient capacity to contain at a minimum 110% of the capacity of the largest pesticide container or application equipment on the pad. A pad that is covered by a roof of sufficient size to completely exclude precipitation from contact with the pad shall have a minimum containment capacity of 100% of the capacity of the largest pesticide container or

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application equipment on the pad. Containment capacities as described above shall be maintained at all times. The above specified minimum containment capacities do not apply to vehicles when delivering pesticide shipments to the mixing/loading site. States may have in effect additional requirements regarding wellhead setbacks and operational containment.

Do not flood irrigate to apply or incorporate this product.

Product must be used in a manner which will prevent back siphoning in wells, spills or improper disposal of excess pesticide, spray mixtures or rinsates.

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

Disposal of excess pesticide, spray mixtures or rinsate should be according to label use instructions or according to the state Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA regional office.

Do not apply under conditions which favor runoff or wind erosion of soil containing this product to non-target areas. To prevent off-site movement due to runoff or wind erosion:

Avoid treating powdery dry or light sandy soils when conditions are favorable for wind erosion. Under these conditions, the soil surface should first be settled by rainfall or irrigation.

Do not apply to impervious substrates such as paved or highly compacted surfaces or frozen or snow covered soils.

Do not use tailwater from the first flood or furrow irrigation of treated fields to treat non-target crops unless at least 1/2 inch of rainfall has occurred between application and the first irrigation.

Do not apply this product using aerial application equipment.

Do not apply when wind conditions favor drift to non-target sites. To minimize spray drift to non-target areas:

Use low pressure application equipment capable of producing a large droplet spray. Do not use nozzles that produce a fine droplet spray. Minimize drift by using sufficient spray volume to ensure adequate coverage with large droplet size sprays.

Keep ground driven spray boom as low as possible above the target surface.

Make application when the wind velocity favors on-target product deposition (approximately 3-10 mph). Do not apply when wind

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velocity exceeds 15 mph. Avoid application when gusts approach 15 mph.

Low humidity and high temperatures increase the likelihood of spray drift to sensitive areas. Avoid spraying during conditions of low humidity and/or high temperatures. Do not apply during inversions conditions.

Use of this product not consistent with this label may result in injury to persons, animals or crops, or other unintended consequences. Keep container closed to prevent spills and contamination.

Flush sprayer with clean water after use.

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Do not rotate to crops other than soybeans or corn.

SOIL TEXTURE

Applicators should evaluate soil conditions carefully to assure that they choose the correct label rate.

The recommended use rates of this product and the other herbicides labeled for use in tank mixtures with this product vary with soil texture. Unless soil texture is specifically named, rate tables throughout this label refer to only three soil textural groups: coarse, medium and fine. The following is a complete listing of soil textures included in each of these three soil textural groups:

SOIL TEXTURAL GROUP	SOIL TEXTURE
COARSE:	sand, loamy sand, sandy loam
MEDIUM:	loam, silt loam, silt, sandy clay loam
FINE: silty clay, clay	silty clay loam, clay loam, sandy clay,

Refer to the above table to determine the corresponding soil textural group for the soil to be treated.

MIXING, SPRAYING AND HANDLING INSTRUCTION

NOTE

Direct contact or exposure to this product or spray mixtures of this product should be minimized. The following instructions for transfer, mixing, cleaning or repairing equipment should be followed in order to minimize this exposure. Review the protective clothing requirements as listed in the • • PRECAUTIONARY STATEMENTS * section of this label (front panel) and do not use this product until you have the necessary

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protective clothing.

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2.5 Gallon Containers

Open pouring from these containers can result in exposure from splashing or spilling. Special care in lifting and pouring are strongly recommended.

55 Gallon and Bulk Containers

Open pouring from these containers can result in exposure from splashing or spilling and is not recommended. This product should be transferred from these containers to the mix or spraytank using pumps or transfer probes. The probe or pump should not be removed from the container or disconnected until the container is emptied and rinsed. Use the pump or probe system to rinse the empty container and transfer the rinsate directly to the mix or spray tank.

Equipment Cleaning & Repair

Cleaning and repair of transfer systems and application equipment is a source of exposure to this product. Care should be taken to minimize exposure during cleaning and repair of transfer systems and application equipment. Whenever possible, these systems or equipment should be rinsed before being cleaned or repaired.

When repairs must be made during transfer or application, the equipment should be shut down, and special care taken to avoid contact with the pesticide.

Always predetermine the compatibility of this product or labeled tank mixtures of this product with water carrier or sprayable fluid fertilizer carrier by mixing small proportional quantities in advance. See the "STANDARD SPRAYABLE FLUID FERTILIZER COMPATIBILITY TEST" section in this label to determine the compatibility of this product and the labeled tank mixtures recommended for use with sprayable fluid fertilizer carrier.

Mix this product or labeled tank mixture of this product with the appropriate carrier as follows:

- 1. Place a 20 to 35 mesh screen or wetting basket over filling port.
- 2. Through the screen, fill the sprayer tank one-half full with the appropriate carrier.
- 3. If a compatibility agent is necessary to improve mixing or to prevent the formation of undesirable and unsprayable gels or precipitates, while agitating add it to the carrier already in the tank. Use only compatibility agents cleared by FDA for this use.

Read and follow all directions for use, cautionary statements and all other information appearing on the selected compatibility agent label. Check for adequate agitation.

- 4. If a wettable powder or dry flowable formulation is used, make a slurry with water and add it slowly through the screen into the tank. Continue agitation.
- 5. If a flowable formulation is used, add slowly through screen into the tank. Mixing and compatibility may be improved when flowable is pre-mixed one part flowable with one part water and added to the tank in diluted form.
- 6. Add this product slowly through the screen into the tank. Mixing and compatibility may be improved when this product is prediluted with two parts of water and added to the tank in diluted form.
- 7. Complete filling the sprayer tank with carrier. If Roundup® or Gramoxone[™] Extra is used, add the required amount near the end of the filling process. Remove hose from tank immediately after filling to avoid siphoning back into the carrier source.

Maintain good agitation at all times until the contents of the tank are sprayed. NOTE: If spray mixture is allowed to settle at any time, thorough agitation is required to resuspend the mixture before spraying is resumed.

Keer by-pass line on or near bottom of tank to minimize foaming. Screen size in nozzle or line strainers should be 50 mesh. Carefully select proper nozzle to avoid spraying a fine mist. Check for even distribution of spray droplets. To reduce loss of the chemical due to drift of a fine mist, apply at nozzle pressures below 40 psi.

Banvel is a trademark of Sandoz, Inc.
Bladex is a trademark of E.I. du Pont de Nemours and Company.
Gramoxone is a trademark of ICI Americas Inc.
Roundup is a registered trademark of Monsanto Company.

STANDARD SPRAYABLE FLUID FERTILIZER COMPATIBILITY TEST

Herbicides may not always mix evenly throughout a sprayable fluid fertilizer or the components may separate too quickly to make their combined use of practical value. This may be due to certain characteristics of the different fluid fertilizers. A simple test using small quantities of the componences is suggested to provide compatibility potential. The test follows:

A. Materials Required For A Compatibility Test

 Two one-quart jars with lid or stopper (marked "with" and "without").

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- 2. TEAspoons (for a more exacting test, a five to ten milliliter (ml.) pipette or graduated cylinder is desirable).
- 3. Sprayable fluid fertilizer to be tested.
- 4. The herbicide chemicals to be mixed.
- 5. A compatibility agent (the purpose of the adjuvant is to help keep the fertilizer and crop protection chemical in suspension, if this assistance is needed).

B. Procedure

1. Add one pint of the sprayable fluid fertilizer that will be used or other herbicide carrier to each jar marked "with" and "without".

Add One Pint Liquid Fertilizer To Two Quart Jars.

WITH

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2. To the jar marked "with", add 1/4 TEAspoon or 1.2 milliliters of a suitable compatibility agent; shake gently for five to ten seconds to mix. (1/4 Teaspoon in one pint is the equivalent of two pints per 100 gallons of liquid fertilizer.)

To Jar Marked "With" Add Compatibility Agent And Shake to Mix.

WITH

WITHOUT

WITHOUT

3. To each jar add the appropriate amount of herbicide(s). If more than one is used, add them separately with the wettable powders or dry flowables added first, flowables second and liquid last. Shake gently five to ten seconds after each addition.

> Add Herbicide(s) To Both Jars And Shake to Mix.

WITH

WITHOUT

Amount to Be Added Per Pint Of Sprayable Fluid Fertilizer (Assuming Volume is 25 gal/A)

Level

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HERBICIDE	RATE/A	TEAspoons
Wettable	1 lb.	= 1.5
Powders	2 lb.	= 3
or	3 lb.	= 4.5
Dry Flowables	4 lb.	= 6
	5 lb.	= 7.5
		Level
HERBICIDE	RATE/A	TEAspoons Milliliters
Emulsifiable	1 pint	= 0.5 or 2.4

4.7

9.5

or 14.2

or 19:0

or 23.8

or

or

This compatibility test is designed for 25 gallons of spray per acre with the maximum labeled rate of herbicide. For changes in spray volume or herbicide rate, make appropriate changes in the ingredients of the test. Regardless of spray volume, the amount of compatibility agent should be equal to two or three pints (two pints = 1/4 TEAspoon or 1.2 milliliters, three pints = 3/8 TEAspoon or 1.8 milliliters per pint of sprayable fluid fertilizer) per 100 gallons of liquid fertilizer.

C. Observations and Decisions

Concentrates or 1 quart =

2 quarts =

3 quarts =

1 gallon =

5 quarts =

Flowables or

Liquids or

Solutions

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1. If the herbicide(s) and the sprayable fluid fertilizer are compatible.

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2. If a compatibility agent is necessary.

Five minutes after the final addition and mixing, observe both jars for the formation of large flakes, sludge, gels or other precipitates. Observe if the herbicide(s) cannot be physically mixed with the liquid fertilizer but remains as small oily particles in the solution.

If incompatibility in any form described above occurs in the jar "with" the compatibility agent added, the liquid fertilizer and the herbicide(s) should not be used together in the same spray tank.

If incompatibility as described above occurs in the jar "without" the adjuvant but not in the jar "with" adjuvant, the use of a compatibility adjuvant is recommended.

Both jars should be allowed to stand and be observed periodically for one-half hour. If the separate layers of liquid fertilizer and additives can be resuspended by shaking, commercial application is possible. An emulsifiable concentrate normally will go to the top after standing; wettable powders will either settle to the bottom of the tank or jar, or float to the top, depending upon the density of the fertilizers.

If the herbicide(s) is compatible with fluid fertilizer in the foregoing test without having to use a compatibility agent, fluid fertilizer may be used for the premixing. If it is not compatible without the compatibility agent, the herbicide(s) should be premixed with water before adding to the spray tank.

APPLICATION INFORMATION

APPLICATION SYSTEMS

Ground Broadcast Treatment -- Apply this product and the labeled tank mixtures in 10 or more gallons of solution per acre using broadcast boom equipment. The carrier may be either water or sprayable fluid fertilizer as specified for the crop to be treated in the "DIRECTIONS FOR USE" section of this label. Do not apply during periods of gusty winds, when winds are in excess of 15 mph or when other conditions favoring drift exist.

Band Treatment -- Apply a broadcast equivalent rate and volume per acre. To determine these:

Band width in ìı

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<u>in inches</u>		Broadcast		
Row width	Х	RATE	=	Band RATE
in inches		per acre		per acre

Bang Wigth				
<u>in inches</u>		Broadcast		
Row width	х	VOLUME	=	Band VOLUME
in inches		per acre		per acre

Application with dry bulk fertilizer -- The herbicide-fertilizer impregnation process (In-Plant and On-Board systems) must be completed only by commercial fertilizer or chemical dealerships properly equipped for this procedure. Contact Monsanto Company for additional information regarding recommended equipment and methods for herbicide-fertilizer impregnation applications.

Dry bulk fertilizer may be impregnated with this product or the tank mixtures of this product plus atrazine or this product plus Bladex on 16 - 01-

corn. This product and these tank mixtures must be applied with 200 to 450 pounds of dry bulk fertilizer per acre and shallowly incorporated within 7 days prior to planting. On medium and fine-textured soils in areas where soil incorporation is not planned, i.e., reduced tillage situations or in some conventional tillage situations, applications can be made up to 30 days before planting to allow moisture to move the hebicide-fertilizer mixture into the soil. On coarse-textured soils, applications can be made up to 14 days prior to planting. The herbicide must be applied as recommended in this label for the crop, weed and soil type treated. Refer to the table for broadcast rate per acre to determine the recommended rate per acre for the herbicide treatment to be applied.

The following table provides a reference to determine the amount of LIQUID herbicide to be mixed per ton of dry bulk fertilizer for a range of herbicide recommendations for fertilizer rates per acre:

			MMENDED P D HERBICI	-
Fertilizer Rate (Lb/Acre)	Acres Covered (Per Ton)	•	2.25 of Herbic Bulk Fert	-
200	10	20	22.5	27.5
250	8	16	18	22
300	6.7	13.4	15	18.4
350	5.7	11.4	12.8	15.7
400	5	10	11.3	13.8
450	4.5	9	10.1	12.4

To determine the amount of herbicide needed for rates not included in the preceding table, use the following formula:

Recommended Herbicide Rate

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	Pints
Pints/Acre X 2000	of herbicide
Pounds Fertilizcr/Acre	<pre>= per ton of dry bulk</pre>
	fertilizer

With the In-Plant system, mix and blend the dry fertilizer and herbicide mixture in a closed rotary-drum type mixture allowing sufficient time to ensure uniform coverage. Use at least one ton of dry fertilizer per mixing operation. Inject the herbicide into the drum over a minimum of a 2-minute period and allow at least 2 additional minutes mixing time to ensure uniformity. The nozzle used to spray the herbicide treatment must be placed inside the mixer to provide uniform spray coverage of the tumbling fertilizer.

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If the dry fertilizer used has inadequate absorptive capacity, use a higher absorptive material such as $Agsorb^{TM}$, $MP-79^{TM}$ or $Microcel^{TM}$ E, to provide a free-flowing mixture. Contact Monsanto Company for specific guidelines with regard to the sequence of addition for the various componenets and the amount of drying agent to add to provide a free-flowing mixture.

TMAgsorb is a trademark of Oil Dri Corporation. TMMicrocel is a trademark of Manville Products Corporation. TMMP-79 is a trademark of Eagle Picher Industries.

The following table provides a partial list of dry fertilizers which may be impregnated with this product or tank mixtures of this product with other herbicides:

		HARNESS +	PLUS	HARNESS +	PLUS
Fertilizer	HARNESS®		ATRAZINE		BLADEX
Ammonium sulfate					
(21-0-0)	Yes	•	Yes		Yes
Ammonium					
phosphate-sulfate					
(16-20-0)	Yes		Yes		Yes
Diammonium					
phosphate					
(18-46-0)	Yes		Yes		Yes
Potassium chloride					
(0-0-60)	Yes		Yes		Yes
Potassium sulfate					
(0-0-52)	Yes		Yes		Yes
Single super-phosphate					
(0-20-0)	Yes		No		No
Treble super-phosphate					
(0-46-0)	Yes		No		No
*Urea (46-0-0)	Yes		Yes		Yes

*Some ureas may be phytotoxic when applied on corn. Use only ureas known to be safe to corn.

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NOTE: DO NOT impregnate this product or tank mixtures of this product with other herbicides on fertilizers containing ammonium nitrate, potassium nitrate or sodium nitrate.

Spread the herbicide-dry fertilizer mixture uniformly with a properly calibrated applicator: dribble, pneumatic (air flow) or spin. When using spin applicators, fertilizers impregnated with this product or tank mixtures of this product with other herbicides must be spread at half-rate and overlapped 100 percent to obtain full rate and uniform distribution. Non-uniform spreading of the fertilizer-herbicide mixture may result in unsatisfactory weed control or crop injury.

APPLICATION TIMING AND METHODS

NOTE: Only one treatment of this product may be applied to a labeled crop.

Early Preplant Surface--This product and some labeled tank mixtures of this product may be applied in no-till and other conservation tillage systems before weeds emerge and up to 45 days before planting field corn or silage corn. Split applications can be made 30 to 45 days prior to planting with 60 percent of the recommended broadcast rate applied initially and the remaining 40 percent applied at planting. Applications made less than 30 days prior to planting can be made either as a split or as a single application. If weeds are present at the time of application, apply this product in tank mixture with an appropriate contact herbicide. Observe directions for use, precautions and restrictions on the label of the contact herbicide. During the planting operation, be careful not to move untreated soil to the surface or move treated soil out of the row, as weed control may be reduced.

Preemergence Surface Application--This product and all labeled tank mixtures may be applied to the soil surface after planting and prior to either crop or weed emergence. Apply within 5 days of last preplant tillage. If weeds emerge after treatment, or if treatment is applied more than 5 days after last preplant tillage, rotary hoe or shallowly cultivate immediately to improve performance. Precipitation or overhead sprinkler irrigation is required after application to move the herbicide treatment into the weed germination zone. The amount of precipitation or overhead sprinkler irrigation required depends on existing soil mixture, soil type and percent organic matter content, but 1/4 to 3/4 inch is normally adequate. Performance is improved when moisture is received within 7 days after application and prior to weed emergence. High intensity or excessive rainfall or excessive irrigation after application may reduce control.

Preplant Incorporation--This product and many of the labeled tank mixtures may be mixed into the soil using shallow incorporation equipment any time within 7 days prior to planting. Apply the recommended treatment rate to the soil surface as a broadcast application. Either existing soil moisture or subsequent precipitation or irrigation is required to bring incorporated herbicide treatments

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into contact with germinating weed seedlings. If weeds emerge after treatment, rotary hoe or shallowly cultivate immediately to improve performance.

1-Pass Incorporation (Surface BlendTM): Shallowly incorporate (Surface Blend) the treatment into the upper 1 to 2 inches of the soil. Equipment should be operated at manufacturer's designed speed for incorporation to ensure adequate mixing and distribution of the herbicide treatment in the soil. Equipment design including any drag attachments must be adequate to avoid soil ridging which may result in streaked or reduced weed control. Soil conditions, including moisture content and crop residue levels, must be suitable to allow thorough and uniform mixing with the equipment used for 1-pass incorporation.

Contact Monsanto Company for additional information regarding recommended equipment and methods for Surface Blend Application.

2-Pass Incorporation: When 2-pass incorporation is used, shallowly incorporate the herbicide treatment into the upper 1 to 2 inches of the soil with equipment set to work the soil NO'DEEPER THAN 4 INCHES. The second pass must be made at an angle to and no deeper than the first pass to ensure proper distribution of the herbicide treatment in the soil.

Cultivation Information--Delay cultivation after application for as long as possible unless weeds or grasses emerge. Shallowly cultivate or rotary hoe immediately if weeds or grasses emerge. If cultivation is necessary because of soil crusting or compaction, set equipment shallow and minimize lateral soil movement to avoid dilution or displacement of the herbicide treatment. If a band application is used and weeds have emerged in the treated band, set cultivator to throw soil into the row covering the band.

TMSurface Blend is a trademark of Monsanto Company.

WEEDS CONTROLLED

When applied as directed under conditions described, this product and tank mixtures of this product will control or reduce competition from the weeds listed. Refer to the crop on which treatment is intended to determine the rates and tank mixtures recommended.

NOTE: C = Control R = Reduced Competition

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		HARNES	S® PLUS	plus
I	HARNESS PLUS	ATRAZINE	BANVEL	BLADEX
Barnyardgrass	с	c	с	c
Crabgrass	С	С	с	с
Crowfootgrass	с	с	с	с
Cupgrass, prairie	с	С	с	С
Cupgrass, woolly ¹	с	С	•	С
Foxtail: giant, green robust purple. robust white, yellow		с	С	С
Goosegrass	с	С	с	с
Johnsongrass, seedling	g R	R	٠	R
Millet, foxtail	R	R	R	R
Millet, proso	R	R	R	R
Panicum: browntop, fa	11 C	с	с	С
Panicum, Texas	R	R	•	R
Sprangletop, red	С	C +	•	С
Rice, red	С	С	•	С
Sandbur, Grassbur	R	R	•	R
Shattercane, wildcane	R	R	•	R
Signalgrass, broadlea	f C	С	С	С
Sprangletop, red	С	С	С	С
Witchgrass	С	С	С	С

ANNUAL GRASSES

ANNUAL BROADLEAVES

		HARNESS® PLUS plus							
HARNI	ess plus	ATRAZINE	BANVEL	BLADEX					
ggarweed, Florida	R	с	•	с					
arpetweed	С	С	С	С					
ocklebur ³	•	с	С	с					
alinsoga	С	c,	С	с					
roundcherry, annual	•	С	•	•					
oundcherry, cutleaf	•	с	•	•					
imsonweed	•	с	•	•					

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Kochia	с	с	•	•
Lambsquarters	c	с	с	с
Morningglory: tall pitted, ivyleaf, entireleaf, smallflower	•	R	R	R
Mustard	•	с	с	С
Nightshade: black, hairy	с	С	с	С
Pigweed, Carelessweed	с	с	С	С
Purslane	с	с	с	с
Pusley, Florida	с	с	с	с
Ragweed, common	с	с	с	с
Ragweed, giant	•	с	с	с
Sicklepod	•	с	•	с
Sida, prickly; Teaweed	R	с.	•	с
Smartweed	R	c	с	с
Starbur, bristly	R	с	•	с
Velvetleaf, Buttonweed ⁴	R	с	с	С
Waterhemp	с	с	с	С
SEDGE				
Nutsedge, yellow ⁵	с	с	•	с

¹Use 3 to 3.4 pints per acre of this product applied alone or in tank-mix combinations.

²Use 3 to 3.4 pints per acre of this product to reduce competition from this weed.

³Use a minimum of 1.5 quarts atrazine 4L or 2.25 quarts Bladex 4L per acre in tank-mixture combinations to control this weed.

⁴Use a minimum of 1.5 quarts atrazine or 2.25 quarts Bladex 4L per acre in tank-mixture combinations to control this weed. In areas restricted to 1 lb atrazine per acre (1 quart atrazine 4L) or where less atrazine per acre is desired, on medium and fine textured soils, use 2.75 pints of Harness Plus in a tank mixture with 1 quart atrazine 4L per acre for control of this weed.

⁵Use 2.5 to 3.4 pints per acre of this product applied alone or in tank mixtures and apply preplant incorporated only for control on medium and fine textured-soils.

Certain tank mixtures of this product and broadleaf herbicides may be combined with applications of Roundup herbicide or Gramoxone Extra for control of many emerged weeds prior to corn emergence. Refer to the Roundup or Gramoxone Extra label for a list of emerged weeds controlled by tank mixtures with these products.

FIELD CORN, SILAGE CORN, AND POPCORN

HARNESS® PLUS

Apply this product in water or sprayable fluid fertilizer solution for

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control of yellow nutsedge and the annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label.

APPROVED APPLICATION SYSTEMS

Ground--Broadcast boom; banded

Dry Bulk Fertilizer Impregnation

Reference: The "APPLICATION SYSTEMS" section of this label provides detailed information on the proper application of this product using the system selected.

APPROVED APPLICATION METHODS

Preplant Incorporated--Apply this product within 7 days prior to planting and shallowly incorporate or Surface Blend into the upper 1 to 2 inches of soil. Irrigation within 10 days following planting may improve weed control.

Preemergence Surface--Apply this product after planting, before crop and weed emergence and within 5 days after last preplant tillage operation.

Reference: The "APPLICATION TIMING AND METHODS" section of this label provides detailed information and procedures for the application timing and method selected.

RECOMMENDED RATES: Refer to the following tables for the recommended broadcast treatment rates for this product. Applications which are not consistent with recommendations in this label may result in unsatisfactory weed control or crop injury.

	BROADCAST RATE PER ACR	RE (PINTS)**
SOIL TEXTURAL GROUP*	Less than 3% organic matter	२३ or more organic matter***
Coarse	1.25 to 1.75	1.75
Medium	1.75 to 2.25	1.75 to 2.25
Fine	1.75 to 2.25	2.25 to 3.0

Application Rates

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*Refer to the "SOIL TEXTURE" section of this label to determine the corresponding textural group for the soil to be treated.

Use the higher rate in the recommended range in areas of heavy weed infestation. *On soils with 6 to 10% organic matter use 2.5 to 3.4 pints/acre. On soils with more than 10% organic matter use 3.4 pints/acre.

HARNESS® PLUS plus ATRAZINE (TANK MIXTURE)

Apply this tank mixture in water or sprayable fluid fertilizer solutions for control of yellow nutsedge and the annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label.

APPROVED APPLICATION SYSTEMS

Ground--Broadcast boom; banded

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Dry Bulk Fertilizer Impregnation

Reference: The "APPLICATION SYSTEMS" section of this label provides detailed information on the proper application of this tank mixture using the system selected.

APPROVED APPLICATION METHODS

Preplant Incorporated--Apply this tank mixture within 7 days prior to planting and shallowly incorporate or Surface Blend into the upper 1 to 2 inches of soil.

Preemergence Surface--Apply this tank mixture after planting, before crop and weed emergence and within 5 days after last preplant tillage operation.

Reference: The "APPLICATION TIMING AND METHODS" section of this label provides detailed information and procedures for the application timing and method selected.

NOTE: The maximum application rate of atrazine is 2.5 pounds active ingredient per acre per calendar year (2.5 quarts per acre atrazine 4L). On highly erodible soils (as defined by the Soil Conservation Service) with less than 30 percent residue cover, the maximum rate of atrazine is 1.6 pounds active ingredient (1.6 quarts per acre of atrazine 4L). On soils not highly erodible or on highly erodible soils with more than 30 percent plant residue cover, the maximum rate of atrazine is 2 pounds active ingredient per acre (2 quarts per acre of atrazine 4L). CORN OR SOYBEANS* can be planted the year following use of this mixture.

*There is a possibility of injury due to carryover of atrazine if soybeans or other nonlabeled crops are planted the following year. DO NOT plant soybeans the year following use of this tank mixture on furrow irrigated corn.

DO NOT graze treated area or feed treated forage to livestock for 21 days following application of this tank mixture.

RECOMMENDED RATES: Refer to the following tables for the recommended broadcast treatment rates for this tank mixture. Applications which are not consistent with recommendations in this label may result in unsatisfactory weed control or crop injury.

Application Rates

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	BROA	DCAST RATE PER ACRE	**	
	-	than 3% c matter	3% or m organic	=
SOIL TEXTURAL GROUP*	HARNESS® PLUS (PINTS)	+ ATRAZINE 4L*** (QUARTS)	HARNESS PLUS (PINTS)	+ ATRAZINE 4L (QUARTS)
Coarse Medium Fine	1.0 to 1.25 1.25 to 1.75 1.75 to 2.25	1.25 to 2.0	1.25 to 1.75 1.75 to 2.25 1.75 to 2.25	1.5 to 2.0

*Refer to the "SOIL TEXTURE" section of this label to determine the corresponding textural group for the soil to be treated.

**Use the higher rates in the recommended ranges in areas of heavy weed infestation. In areas restricted to 1 pound atrazine per acre (1 quart atrazine 4L) or where less atrazine per acre is desired, on medium and fine-textured soils use 2.75 pints of Harness Plus in a tank mixture with 1 quart atrazine 4L per acre for control of grass and broadleaf weeds listed in the "WEEDS CONTROLLED" section of the label except cocklebur.

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***Use rates listed in this label when using atrazine 4L. Use equivalent rates when using atrazine 90% dry flowable formulations. One quart of atrazine 4L equals 1.1 pounds of atrazine 90% dry flowable.

> HARNESS® PLUS plus ATRAZINE plus BLADEX (TANK MIXTURE)

Apply this tank mixture in water or sprayable fluid fertilizer solutions for control of yellow nutsedge, and the annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label for Harness Plus plus Atrazine.

APPROVED APPLICATION SYSTEMS

Ground--Broadcast boom; banded

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Dry Bulk Fertilizer Impregnation

Reference: The "APPLICATION SYSTEMS" section of this label provides information on the proper application of this tank mixture using the system selected.

APPROVED APPLICATION METHODS

Preplant Incorporated--Apply this tank mixture within 7 days prior to planting and shallowly incorporate or Surface Blend into the upper 1 to 2 inches of soil.

Preemergence Surface--Apply this tank mixture after planting, before crop and weed emergence and within 5 days after last preplant tillage operation.

Reference: The "APPLICATION TIMING AND METHODS" section of this label provides detailed information and procedures for the application timing and method selected.

NOTE: The maximum application rate of atrazine is 2.5 pounds active ingredient per acre per calendar year (2.5 quarts per acre atrazine 4L). On highly erodible soils (as defined by the Soil Conservation Service)with less than 30 percent residue cover, the maximum rate of atrazine is 1.6 pounds active ingredient (1.6 quarts per acre of atrazine 4L). On soils not highly erodible or on highly erodible soils with more than 30 percent plant residue cover, the maximum rate of atrazine is 2 pounds active ingredient per acre (2 quarts per acre of atrazine 4L).

CORN OR SOYBEANS* can be planted the year following use of this mixture.

*There is a possibility of injury due to carryover of atrazine if

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soybeans or other nonlabeled crops are planted the following year. DO NOT plant soybeans the year following use of this tank mixture on furrow irrigated corn.

RECOMMENDED RATES: Refer to the following tables for the recommended broadcast treatment rates for this tank mixture. Applications which are not consistent with recommendations in this label may result in unsatisfactory weed control or crop injury.

Application Rates

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	Less th	Less than 3% organic matter				
SOIL TEXTURAL GROUP*	HARNESS® PLUS (PINTS)	ATRAZINE BLADEX + 4L*** + 4L*** (QUARTS) (QUARTS)				
Coarse****	1.0 to 1.25	0.5 to 1.25 0.5 to 1.5				
Medium Fine	1.25 to 1.75 1.25 to 1.75	0.75 to 1.750 to 1.5 0.75 to 1.75 1.25 to 1.5				
	BROA	DCAST RATE PFR ACRE				
	More	than 3% organic matter				
SOIL TEXTURAL GROUP*	More HARNESS® PLUS (PINTS)	than 3% organic matter ATRAZINE BLADEX + 4L*** + 4L*** (QUARTS) (QUARTS)				
TEXTURAL	HARNESS® PLUS	ATRAZINE BLADEX + 4L*** + 4L*** (QUARTS) (QUARTS)				
TEXTURAL GROUP*	HARNESS® PLUS (PINTS)	ATRAZINE BLADEX + 4L*** + 4L***				

corresponding textural group for the soil to be treated.

**Use the higher rates in the recommended ranges in areas of heavy weed

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infestation.

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***Use rates listed in this label when using Bladex and Atrazine 4L formulations. Use equivalent rates when using 90% dry flowable formulations. One guart of 4L formulation equals 1.1 pounds of 90% dry flowable.

****On coarse-textured soils containing less than 2% organic matter, use this tank mixture only on sandy loam. Do not use on sand and loamy sand with less than 2% organic matter.

HARNESSO PLUS plus BANVEL (TANK MIXTURE)

For use in ILLINOIS, IOWA, MINNESOTA and WISCONSIN on level or flatplanted field corn on fine-textured (silty clay loam, clay loam, sandy clay, silty clay or clay) soils with more than 4 percent organic matter.

Apply in water or sprayable fluid fertilize solutions for control of the annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label.

NOTE: Use on coarse or medium-textured soils or on fine-textured soils with 4 percent or less organic matter may result in crop injury and/or destruction.

APPROVED APPLICATION SYSTEMS

Ground--Broadcast boom; banded

) **Reference:** The "APPLICATION SYSTEMS" section of this label provides detailed information on the proper application of this tank mixture using ground spray equipment.

APPROVED APPLICATION METHODS

Preemergence Surface--Apply this tank mixture after planting, before crop and weeds emerge and within 5 days of last preplant tillage operation. Corn seeds must be planted 1-1/2 inches or deeper beneath the soil surface. Direct chemical contact with corn seed must be avoided since crop injury may result. Apply far enough behind planter equipment to avoid any incorporation by the planter wheel or other covering device. If corn seeds are planted less than 1-1/2 inches beneath the soil surface, delay application until corn has spiked.

Reference: The "APPLICATION TIMING AND METHODS" section of this label provides detailed information and procedures for the application timing

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and method selected.

NOTE: PREVENT DRIFT TO SOYBEANS OR OTHER DESIRABLE PLANTS. Do not use on furrow irrigated corn, or when corn is planted at the bottom of a furrow, utilizing lister, till or other similar planting methods. DO NOT incorporate after planting or corn emergence. If it is necessary to drag for leveling or rotary hoe to break soil crust, DO NOT disturb the soil more than 1/2 inch deep.

RECOMMENDED RATES: Refer to the following table for the recommended broadcast treatment rates for this tank mixture. Applications which are not consistent with recommendations in this label may result in unsatisfactory weed control or crop injury and/or destruction.

Application Rates

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	BROADCAST RATE PER AG	RE (PINIS)"	
	News then 49 engatin		
TEXTURAL GROUP	More than 4% organic HARNESS® PLUS	BANVEL	
	HAMESSO FLOS		
			<u> </u>
Finesilty clay		.	
loam through clay	2.25 to 3	1	

*Use the higher rate in the recommended range in areas of heavy weed infestation.

HARNESS® PLUS plus BLADEX (TANK MIXTURE)

Apply this tank mixture in water or sprayable fluid fertilizer solutions for control of yellow nutsedge, and the annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label.

APPROVED APPLICATION SYSTEMS

Ground--Broadcast boom; banded

Dry Bulk Fertilizer Impregnation

Reference: The "APPLICATION SYSTEMS" section of this label provides information on the proper application of this tank mixture using the system selected.

APPROVED APPLICATION METHODS

Preplant Incorporated--Apply this tank mixture within 7 days prior to planting and shallowly incorporate or Surface Blend into the upper 1 to

2 inches of soil.

Preemergence Surface--Apply this tank mixture after planting, before crop and weed emergence and within 5 days after last preplant tillage operation.

Reference: The "APPLICATION TIMING AND METHODS" section of this label provides detailed information and procedures for the application timing and method selected.

RECOMMENDED RATES: Refer to the following tables for the recommended broadcast treatment rates for this tank mixture. Applications which are not consistent with recommendations in this, label may result in unsatisfactory weed control or crop injury.

Application Rates

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			to 3° nic ma'		38 (or more organ:	ic matt	er
SOIL TEXTURAL GROUP*	HARN	ESS® PLU (PINTS)	IS +	BLADEX 4L*** (QUARTS)	HZ	ARNESS® P		BLADEX 4L*** ARTS)
Coarse****	1.0	to 1.25	1.0	to 1.5	1.25	to 1.75	1.25	to 2.0
Medium		_		5 to 1.75		to 2.0		
Fine		to 1.75		to 2.0	•	to 2.25		to 2.5

corresponding textural group for the soil to be treated.

**Use the higher rates in the recommended ranges in areas of heavy weed infestation.

***Use rates listed in this label using Bladex 4L. Use equivalent rates when using Bladex 90% dry flowable formulations. One quart of Bladex 4L equals 1.1 pounds of Bladex 90% dry flowable.

****On coarse-textured soils containing less than 2% organic matter, use Harness Plus plus Bladex only on sandy loam. Do not use on sand and loamy sand with less than 2% organic matter.

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Conservation or Minimum Tillage Systems

TANK MIXTURES

AT-PLANTING APPLICATIONS

FIELD CORN, SILAGE CORN AND POPCORN

When applied as directed under the conditions described, these tank mixtures control many emerged annual weeds, suppress many emerged perennial weeds and give preemergence control of many annual grasses and weeds when corn will be planted directly into a cover crop, established sod or in previous crop residues. These tank mixtures will not control regrowth from perennial weeds.

DO NOT APPLY BY AIR.

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Refer to specific product labels for crop rotation restrictions and precautionary statements of all products used in these tank mixtures.

For mixing instructions, see the "MIXING AND SPRAYING INSTRUCTIONS" section of this label.

Harness Plus and the following tank mixtures can be tank mixed with Roundup, Gramoxone Extra and/or 2,4-D.

[]	FARNESS [®] PLUS	[]
[]	HARNESS PLUS plus ATRAZINE	[]
11	HARNESS PLUS plus ATRAZINE plus BLADEX	[]
D	HARMESS PLUS plus BLADEX	[]

Apply these tank mixtures with Roundup in 10 to 40 gallons of water, or the tank mixtures with Gramoxone Extra in 20 to 60 gallons of water spray solution per acre immediately before, during or after planting, but BEFORE CROP EMERGENCE. As density of stubble, crop residue or weeds increase, spray gallonage and rate should be increased within the

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recommended ranges to ensure complete coverage. In the absence of emerged vegetation, delete the Roundup or Gramoxone Extra portion of these tank mixtures.

CONTROL OR SUPPRESSION OF EMERGED WEEDS

ROUNDUP®

Annual Weeds--Apply 1 to 2 pints of Roundup herbicide per acre in these tank mixtures if weeds are less than 6 inches tall. Refer to the "WEEDS CONTROLLED" section of the Roundup label for specific rate recommendations relative to weed species.

Perennial Weeds--At normal application dates in minimum tillage systems, perennial weeds may not be at the proper stage of growth for control. See the "GENERAL INFORMATION" section of the Roundup label for the proper stage of growth for perennial weeds. Use of 1 to 4 quarts of Roundup per acre in the above mixtures under these conditions provides top kill and reduces competition from many emerged perennial grasses and broadleaf weeds.

For emerged perennial weeds controlled see the "WEEDS CONTROLLED" section of the label for Roundup. To obtain control of perennial weeds, follow recommendations on the Roundup label for stage of growth and rate of application.

USE OF THIS MIXTURE FOR BERMUDAGRASS OR JOHNSONGRASS CONTROL IS NOT RECOMMENDED.

NOTE: When using these tank mixtures, do not exceed 4 quarts of Roundup herbicide per acre.

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GRAMOXONE EXTRA

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When used as directed, Gramoxone Extra in a labeled tank mixture controls many emerged annual weeds and suppresses many emerged perennial weeds.

Broadcast Treatment--Apply 1.5 to 3 pints of Gramoxone Extra per acre in these tank mixtures immediately before, during or enter planting but BEFORE CROP EMERGENCE. Use 2 to 2.5 pints when weeds are 3 to 6 inches tall. Use 2.5 to 3 pints when weeds are 6 inches tall. This mixture may not control weeds taller than 6 inches. As density of stubble, crop residue or weeds increases, spray gallonage should be increased within the recommended range for complete coverage. Add a nonionic spreader surfactant (approved for use on crops) containing at least 75 percent surfactant active agent at 8 ounces per 100 gallons of diluted spray. REFER TO THE GRAMOXONE EXTRA LABEL FOR PRECAUTIONARY STATEMENTS.

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2,4-D

When used as directed, 2,4-D in labeled tank mixtures controls many emerged annual and perennial broadleaf weeds. For emerged weeds controlled, see the "WEEDS CONTROLLED" section of the label for 2,4-D.

Broadcast Treatment - Apply 1 to 2 pints of 2,4-D (amine or low-volatile ester) in these tank mixtures. Applications should be made 7 to 14 days before planting or 3 to 5 days after planting but BEFORE CORN EMERGES. As density of stubble, crop residue or weeds increase, spray gallonage should be increased within the recommended range for complete coverage.

DO NOT use 2,4-D on light, sandy soils, or where soil moisture is inadequate for normal weed growth. Observe all precautions and limitations on the 2,4-D label booklet.

PREEMERGENCE WEED CONTROL

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HARNESS® PLUS

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See the following table for recommended rates of Harness Plus in this tank mixture on various soil types.

SOIL	······································
TEXTURAL	HARNESS® PLUS
GROUP*	
	······································
Coarse	1.5 to 2
Medium	2.25 to 2.75
Fine	2.75 to 3

*Refer to the "SOIL TEXTURE" section of the label to determine the corresponding textural group for the soil to be treated.

**Use the higher rates in the recommended ranges in areas of heavy weed infestation or when the organic matter content is 3 percent or more.

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HARNESSO PLUS plus ATRAZINE

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For weeds controlled preemergence, see the "WEEDS CONTROLLED" section of

this label for Harness Plus plus Atrazine.

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See the following table for recommended rates of Harness Plus plus atrazine in this tank mixture on various soil types.

NOTE: The maximum application rate of atrazine is 2.5 pounds active ingredient per acre per calendar year (2.5 quarts per acre atrazine 4L). On highly erodible soils (as defined by the Soil Conservation Service)with less than 30 percent residue cover, the maximum rate of atrazine is 1.6 pounds active ingredient (1.6 quarts per acre of atrazine 4L). On soils not highly erodible or on highly erodible soils with more than 30 percent plant residue cover, the maximum rate of atrazine is 2 pounds active ingredient per acre (2 quarts per acre of atrazine 4L).

CORN OR SOYBEANS* can be planted the year following use of this mixture.

*There is a possibility of injury due to carryover of atrazine if soybeans or other nonlabeled crops are planted the following year. DO NOT plant soybeans the year following use of this tank mixture on furrow irrigated corn.

DO NOT graze treated area or feed treated forage to livestock for 21 days following application of this tank mixture.

	BROADCAST FATE	PER ACRE' **
SOIL TEXTURAL GROUP*	HARNESS® PLUS (PINTS)	+ ATRAZINE 4L*** (QUARTS)
Coarse	1.75	1.25 to 1.5
Medium	1.75 to 2.25	1.5 to 2.0
Fine	2.0 to 2.5	1.5 to 2.0

*Refer to the "SOIL TEXTURE" section of this label to determine the corresponding textural group for the soil to be treated.

**Use the higher rates in the recommended ranges in areas of heavy weed infestation or when the organic matter content is 3 percent or more.

***Use rates listed in this label when using atrazine 4L. Use equivalent rates when using atrazine 90% dry flowable formulations. One quart of atrazine 4L equals 1.1 pounds of atrazine 90% dry flowable.

DO NOT graze treated area or feed treated forage to livestock for 21 days following application of this tank mixture.

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HARNESS® PLUS plus ATRAZINE plus BLADEX

(TANK MIXTURE)

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For weeds controlled preemergence, see the "WEEDS CONTROLLED" section of the label for Harness Plus plus Atrazine.

NOTE: The maximum application rate of atrazine is 2.5 pounds active ingredient per acre per calendar year (2.5 quarts per acre atrazine 4L). On highly erodible soils (as defined by the Soil Conservation Service) with less than 30 percent residue cover, the maximum rate of atrazine is 1.6 pounds active ingredient (1.6 quarts per acre of atrazine 4L). On soils not highly erodible or on highly erodible soils with more than 30 percent plant residue cover, the maximum rate of atrazine is 2 pounds active ingredient per acre (2 quarts per acre of atrazine 4L).

CORN OR SOYBEANS* can be planted the year following use of this mixture.

*There is a possibility of injury due to carryover of atrazine if soybeans or other nonlabeled crops are planted the following year. DO NOT plant soybeans the year following use of this tank mixture on furrow irrigated corn.

See the following table for recommended rates of Harness Plus plus Atrazine plus Bladex in this tank mixture on various soil types.

SOIL TEXTURAL GROUP*	HARNESS® PLUS (PINTS)	ATRAZINE + 4L*** (QUARTS)	BLADEX + 4L*** (QUARTS)	
Coarse****	1.75	0.5 to 2.0	1.0 to 2.0	
Medium	1.75 to 2.25	1.0 to 2.0	1.5 to 2.0	
Fine	2.0 to 2.5	1.0 to 2.0	1.5 to 2.0	

BROADCAST RATE PER ACRE **

*Refer to the "SOIL TEXTURE" section of this label to determine the corresponding textural group for the soil to be treated.

**Use the higher rates in the recommended ranges in areas of heavy weed infestation or when the soil organic matter content is 3 percent or more.

***Use rates listed in this label when using Bladex and Atrazine 4L formulations. Use equivalent rates when using 90% dry flowable formulations. One quart of 4L formulation equals 1.1 pounds of 90% dry

flowable,

****On coarse-textured soils containing less than 2% organic matter, use this tank mixture only on sandy loam. Do not use on sand and loamy sand with less than 2% organic matter.

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HARNESS® PLUS plus BLADEX

For weeds controlled preemergence, see the "WEEDS CONTROLLED" section of the label for Harness Plus plus Bladex.

See the following table for recommended rates of Harness Plus plus Bladex in this tank mixture on various soil types.

BROADCAST RATE PER ACRE **

SOIL TEXTURAL GROUP*	HARNESS® PLUS + (PINTS)	BLADEX 4L*** (QUARTS)
Coarse - sandy	<u> </u>	
loam only	1.75	1.5 to 2.0
Medium	1.75 to 2.25	1.75 to 2.25
Fine	2.0 to 2.5	2.0 to 2.5

*Refer to the "SOIL TEXTURE" section of this label to determine the corresponding textural group for the soil to be treated.

**Use the higher rates in the recommended ranges in areas of heavy weed infestation or when the organic matter content is 3 percent or more.

***Use rates listed in this label using Bladex 4L. Use equivalent rates when using Bladex 90% dry flowable formulations. One quart of Bladex 4L equals 1.1 pounds of Bladex 90% dry flowable.

Use the higher rate of Bladex in the recommended ranges on soils with greater than 3% organic matter.

EARLY PREPLANT APPLICATION

For use in no-till and other conservation tillage systems.

If emerged weeds are present at the time of treatment, Roundup, Gramoxone Extra or 2,4-D should be added to this product according to the directions for use on their respective product labels. If unsatisfactory weed control occurs (due to excessively dry or excessively wet conditions) following the earlier application, a

(MON 8404 Formulation Update)

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postemergence application of an appropriate labeled grass and/or broadleaf weed herbicide may be used. If a postemergence treatment includes the herbicide used early preplant, do not exceed the labeled rate for corn on a given soil texture. Observe all precautions and limitations on the labels for Harness Plus, Roundup, and Gramoxone Extra, 2,4-D and other postemergence herbicides before use of these products.

DO NOT apply tank mixture containing Roundup, Gramoxone Extra or other contact herbicides by air.

HARNESS® PLUS

This product, when applied in a single application or split application will provide preemergence control or reduced competition of the annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label. If weeds are emerged at time of application, apply a labeled contact herbicide with this product. Observe the directions for use, precautions and restrictions on the label of the contact herbicide.

APPROVED APPLICATION SYSTEMS

Ground - Broadcast boom

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Dry Bulk Fertilizer Impregnation

Reference: The "APPLICATION SYSTEMS" section of this label provides detailed information on the application of this product using the system selected.

RECOMMENDED RATE AND TIMING OF APPLICATION

Single application-Application of this product should be made less than 30 days before planting but prior to weed emergence.

Split application—Apply 60 percent of the recommended rate as a split application prior to weed emergence and no more than 45 days prior to planting and the remaining 40 percent at or immediately following planting but before crop emergence.

See the following table for recommended broadcast rates per acre for single and split applications.

BROADCAST RATE PER ACRE (PINTS)

SOIL TEXTURAL GROUP*

HARNESS PLUS

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Coarse	1.5	to	2.0
Medium	2.25	to	2.75
Fine	2.75	to	3.0

*Refer to the "SOIL TEXTURE" section of this label to determine the corresponding soil textural group for the soil to be treated.

In order to provide broad-spectrum weed control, both single and split applications of this product must be followed with a planned postemergence application of a labeled broadleaf and/or grass herbicide. Observe the directions for use, precautions and restrictions on the label of the postemergence herbicide before use of these products.

If emerged weeds exist at planting, the application of a contact herbicide or tillage is recommended when possible to eliminate existing weeds.

HARNESS® PLUS plus ATRAZINE (TANK MIXTURE)

This tank mixture, when applied in a single application, split application or as a sequential application to Bladex in early preplant programs, will provide preemergence control or reduced competition of annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label.

NOTE: The maximum application rate of atrazine is 2.5 pounds active ingredient per acre per calendar year (2.5 quarts per acre atrazine 4L). On highly erodible soils (as defined by the Soil Conservation Service) with less than 30 percent residue cover, the maximum rate of atrazine is 1.6 pounds active ingredient (1.6 quarts per acre of atrazine 4L). On soils not highly erodible or on highly erodible soils with more than 30 percent plant residue cover, the maximum rate of atrazine is 2 pounds active ingredient per acre (2 quarts per acre of atrazine 4L).

APPROVED APPLICATION SYSTEMS

Ground - Broadcast boom

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Dry Bulk Fertilizer Impregnation

Reference: The "APPLICATION SYSTEMS" section of this label provides detailed information on the application of this product using the system selected.

RECOMMENDED RATE AND TIMING OF APPLICATION

single application-Application of this product should be made less than 30 days before planting but prior to weed emergence.

Split application-Apply 60 percent of the recommended rate as a split application prior to weed emergence and no more than 45 days prior to planting and the remaining 40 percent at or immediately following planting but before crop emergence.

See the following table for recommended broadcast rates per acre for single and split applications.

	BROADCAST	BROADCAST RATE PER ACRE**		
SOIL TEXTURAL GROUP*	HARNESS® PLUS (PINTS)	+	ATRAZINE 4L*** (QUARTS)	
Coarse	1.75		1.25 to 1.5	
Medium	1.75 to 2.25		1.5 to 2.0	
Fine	2.0 to 2.5		1.5 to 2.0	

*Refer to the "SOIL TEXTURE" section of this label to determine the corresponding soil textural group for the soil to be treated.

**Use the higher rates in the recommended ranges in areas of heavy weed infestation

- / ***Use rates listed in this label when using atrazine 4L. Use equivalent rates when using atrazine 90% dry flowable formulations. One quart of atrazine 4L equals 1.1 pounds of atrazine 90% dry flowable.
 - If emerged weeds exist at planting, the application of a contact herbicide or tillage is recommended when possible to eliminate existing weeds.

Sequential application-Application of this tank mixture following Bladex should be utilized for the control of fall panicum, crabgrass or broadleaf signalgrass. Apply 1.5 to 2 quarts per acre of Bladex prior to weed emergence and no more than 45 days prior to planting. At or immediately following planting, but before crop emergence, apply the recommended rate of this tank mixture.

Following application of Bladex, see the following table for recommended rates.

BROADCAST RATE PER ACRE**

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SOIL TEXTURAL GROUP*	HARNESS ® PLUS (PINTS)	+	ATRAZINE 4L*** (QUARTS)	
Coarse	1.75		1.25	
Medium	2.25		1.5	
Fine	2.25 to 2.5		1.5 to 2.0	

*Refer to the "SOIL TEXTURE" section of this label to determine the corresponding soil textural group for the soil to be treated.

**Use the higher rates in the recommended ranges in areas of heavy weed infestation.

**Use rates listed in this label when using atrazine 4L. Use equivalent rates when using atrazine 90% dry flowable formulations. One quart of atrazine 4L equals 1.1 pounds of atrazine 90% dry flowable.

If emerged weeds exist at planting, the application of a contact herbicide or tillage is recommended when possible to eliminate existing weeds.

APPENDIX

List of common and scientific names of annual grasses and broadleaf weeds.

ANNUAL GRASSES

Barnyardgrass Echinocloa crus-galli

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Crabgrass Digitaria ischaemum Digitaria sanguinalis

Cupgrass, woolly Eriochloa villosa

Foxtail, giant Setaria faberi

Foxtail: green, robust purple, robust white Setaria viridis

Foxtail, yellow Setaria lutescens

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Eleusine indica Johnsongrass, seedling Sorghum halepense Millet, proso Panicum miliaceum Panicum, browntop Panicum fasciculatum Panicum, fall Panicum dichotomiflorum Panicum, Texas Panicum texanum Rice, red Oryza sativa Sandbur, Grassbur Cenchrus incertus Shattercane, wildcane Sorghum bicolor Signalgrass, broadleaf Brachiaria platyphylla Sprangletop, red Leptochloa filiformis Witchgrass ranicum capillare ANNUAL BROADLEAVES Beggarweed, Florida Desmodium tortuosum Carpetweed Mollugo verticillata Cocklebur Xanthium strumarium Coffeeweed

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Goosegrass

Hemp sesbania Sesbania exaltata

Copperleaf, hophornbeam Acalypha spp. **Galinsoga** Galinsoga spp.

Jimsonweed Datura stramonium

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Kochia Kochia scoparia

Lambsquarters Chenopodium album

Norningglory: Tall Ipomoea purpurea Pitted Ipomoea lacunosa Ivyleaf Ipomoea hederacea Bntireleaf Ipomoea hederacea var. intergriuscula Smallflower

Jacquemontia tamnifolia

Mustard

Brassica spp.

Nightshade, black Solanum nigrum

Nightshade, hairy Solanum sarrachoides

Pigweed, Carelessweed Amaranthus spp.

Purslane

Portulaca oleracea

Pusley, Florida

Richardia scabra

Ragweed, common Ambrosia artemisiifolia

Ragweed. glant Ambrosia trifida

Sicklepod Cassia obtusifolia

Sida, prickly; Teaweed Sida spinosa u_{i}^{*}

Smartweed Polygonum pensylvanicum Polygonum pensicaria

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Starbur, bristly Acanthospermum hispidum

Sunflower, common Helianthus annuus

Velvetleaf, Buttonweed Abutilon theophrasti

Waterhemp Amaranthus tuberculatos

SEDGE

Nutsedge, yellow Cyperus esculentus

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