



524-511

9/22/2003

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

SEP 22 2003

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Mr. Roy G. Danhaus
Monsanto Company
600 13th Street, N. W., Suite 660
Washington, DC 2005

Dear Mr. Danhaus:

Subject: Degree Extra Herbicide (Revise First Aid & Add Tank Mixes)
EPA Registration No. 524-511
Your Application Dated June 18, 2003

The labeling referred to above submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act as amended is acceptable provided you make the following changes, most of which are based on recent label revisions required for all products containing atrazine, before you release the product for shipment.

1. The following paragraph must be added to your Directions for Use.

“ANY USE OF THIS PRODUCT IN AN AREA WHERE USE IS PROHIBITED IS A VIOLATION OF FEDERAL LAW. Before using this product, you must consult the Atrazine Watershed Information Center (AIWC) to determine whether the use of this product is prohibited in your watershed. AIWC can be assessed through [www.atrazine-watershed.info] or [1-866-365-3014]. If use of this product is prohibited in your watershed, you may return this product to your point of purchase or contact [Dow AgroSciences, LLC] for a refund.”

2. Revise your Personal Protective Equipment (PPE)” section to read as follows.

“Some materials that are chemical-resistant to this product are polyethylene or polyvinylchloride. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.”

“Mixers, loaders, applicators and other handlers not using Engineering Controls must wear:

- Coveralls over long-sleeved shirt and long pants,
- Chemical resistant gloves,
- Chemical resistant footwear plus socks,
- Chemical resistant headgear (If overhead exposure),
- A NIOSH approved dust mist filtering respirator with any N, R, P, or HE filter, and
- A chemical resistant apron (if exposed to the undiluted product).”

Note: The registrant must drop the N type filter from the respirator statement if the pesticide product contains or is used with oil.

Mixers, loaders, applicators and other handlers using "Engineering Controls must wear:"

- Long-sleeved shirt and long pants,
- Chemical-resistant apron for mixers and loaders,
- shoes plus socks"

See engineering controls for additional requirements.

3. Add the statement "Discard clothing and other absorbent materials that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them." immediately after the sentence "Keep and wash PPE separately from other laundry."

4. Add the heading "Engineering Controls" before the paragraph "When handlers used closed systems, ... as specified in WPS."

5. Replace the first paragraph under "Environmental Hazards" and the second paragraph under "Use Restrictions" with the one below..

" Atrazine can travel (seep or leach) through soil and can enter ground water which may be used as drinking water. Atrazine has been found in ground water. Users are advised not to apply atrazine to sand and loamy sand soils where the water table (ground water) is close to the surface and where these soils are very permeable, i.e., well drained. Your local agricultural agencies can provide further information on the type of soil in your area and the location of ground water."

6. Add the statement "Do not apply when weather conditions favor drift from treated areas" to the third paragraph in your Environmental Hazards section before the sentence beginning with "Runoff and drift from treated areas..."

7. Within the list of PPE for early re-entry in the Agricultural Use Requirements box, revise the requirement for "waterproof gloves" to a requirement for "chemical-resistant gloves made of any waterproof material."

8. Add a "Pesticide Storage" section to your Storage and Disposal.

9. Under Storage and Disposal revise "Disposal" to read "Pesticide Disposal".

10. Add the following bulk container language to your Storage and Disposal section. Alternatively you may use the language recently approved und EPA Registration No. 524-537.

Container Disposal (Bulk and Mini Bulk)

Instructions for Users

"When the container is empty, replace the cap and seal all openings that have been opened during use, and return the container to the point of purchase, or to an alternate location designated by the registrant at the rime of purchase of this product. If not returned to the point of purchase or a designated location, triple rinse or pressure rinse the empty container and offer for recycling if available.

Instructions for Users and Refillers

This container must only be refilled with this pesticide product. **Do Not Reuse the Container for Any Other Purpose.** Do not transport if this container is damaged or leaking. If the container is damaged, leaking, or obsolete, or to obtain information about recycling refillable containers, contact Monsanto Company at [insert phone number]. Cleaning is not necessary prior to refilling with the same product. Clean container before final disposal of this container must be in compliance with state and local regulations.

Instructions for Refillers

Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn-out threads and closure devices. Check for leaks after refilling and before transporting. If the container cannot be refilled, triple rinse or pressure rinse the empty container and offer for recycling if available.

11. Replace the Atrazine rate paragraphs on pages 7 and 15 with the following statements.

“Maximum broadcast application rates for corn must as follows:

–If no atrazine was applied prior to corn emergence, apply a maximum of 2 lb ai/A broadcast. If a postemergence treatment is required following an earlier herbicide application, the total atrazine applied may not exceed 2.5 lb ai/A per calendar year.

–2.0 lb ai/A as a single preemergence application on soils that are not highly erodible or on highly erodible if at least 30% of the soil is covered with plant residues, or

–1.6 lb ai/A as a single preemergence application on highly erodible soils if <30% of the surface is covered with plant residues; or 2.0 lb ai/A if only applied postemergence.

–If no atrazine was applied prior to corn emergence, apply a maximum of 2 lb ai/A broadcast.

12. A paragraph similar to the following must be added to your label.

“When tank-mixing or sequentially applying, atrazine or products containing atrazine to corn, the total pounds atrazine applied (lb ai/A) must not exceed the specific seasonal rate limits from preemergence or postemergence or preemergence + postemergence applications as noted in the use limitation table in the use directions.”

13. The label must specify a 60-day PHI for field corn forage uses.

14. Add the statement “All postemergence treatments of products containing atrazine must be made before corn is 12 inches in height.

Submit three (3) copies of your final printed labeling incorporating the above changes. Amended labeling will supercede all previously accepted ones. A stamped copy of labeling is enclosed for your records.

Sincerely,

James A. Tompkins
James A. Tompkins
Product Manager 25
Herbicide Branch
Registration Division (7505C)

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RESTRICTED USE PESTICIDE
due to ground and surface water concerns and oncogenicity concerns. Users must read and follow all precautionary statements and instructions for use in order to minimize potential for atrazine to reach ground and surface water. 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.

DEGREE XTRA HERBICIDE

Degree Xtra herbicide is an encapsulated herbicide for weed control in Field Corn, Production Seed Corn, Silage Corn and Popcorn.

SHAKE WELL BEFORE USING

Complete Directions for Use

EPA Reg. No. 524-511

2003

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

USE THESE CONVENIENT SECTION MARKERS.

PRECAUTIONARY STATEMENTS

GENERAL INFORMATION

USE RESTRICTIONS

MIXING, SPRAYING AND HANDLING INSTRUCTIONS

APPLICATION INFORMATION

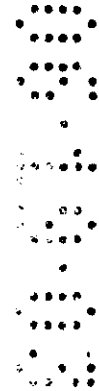
WEEDS CONTROLLED

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.

THIS IS AN END-USE PRODUCT. MONSANTO DOES NOT INTEND AND HAS NOT REGISTERED IT FOR REFORMULATION. SEE INDIVIDUAL CONTAINER LABEL FOR REPACKAGING LIMITATIONS.



LIMIT OF WARRANTY AND LIABILITY

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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.

This Company does not warrant any product reformulated or repackaged from this product except in accordance with this Company's stewardship requirements and with express written permission from this Company.

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.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

Keep out of reach of children.

CAUTION!

Prolonged or repeated skin contact may cause allergic reactions in some individuals.

Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling.

ACCEPTED
with COMMENTS
In EPA Letter Dated:

SEP 22 2003

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 824-511-2

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FIRST AID

If on skin or clothing

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.
- Sensitized persons should avoid further contact and reuse of contaminated clothing

- Have the product container or label with you when calling a poison control center or doctor or going for treatment.
- In case of an emergency involving this product, Call Collect, day or night **(314) 694-4000**.
- This product is identified as **Degree Xtra herbicide, EPA Registration No. 524-511**.

Personal Protective Equipment (PPE):

Applicators and other handlers must wear: long-sleeved shirt and long pants, waterproof gloves, and shoes plus socks.

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

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.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

User Safety Recommendations

Users should:

- 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.
- 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.

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

For product information or assistance in using this product, call toll-free,
1-800-332-3111.

Environmental Hazards

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Atrazine has been identified in limited ground water sampling and there is the possibility that it can leach through the soil to ground water, especially where soils are coarse and ground water is near the surface. Users are advised not to apply this product to sand and loamy sand soils where the water table (ground water) is near the surface and where these soils are permeable (well drained).

Ground water contamination may be reduced by diking and flooring of permanent liquid bulk storage sites with an impermeable material.

This product is toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff and drift from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

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

ACTIVE INGREDIENT:

*Acetochlor, 2-chloro-N-ethoxymethyl-N-(2-ethyl-6-methylphenyl)acetamide	29.0%
**Atrazine, 2-chloro-4-(ethylamino)-6-(isopropylamino)-s-triazine and related triazines	14.5%
OTHER INGREDIENTS:.....	56.5%
	100.0%

*Contains 324 grams per liter or 2.70 pounds per U.S. gallon of the active ingredient acetochlor.

**Contains 161 grams per liter or 1.34 pounds per U.S. gallon of the active ingredient atrazine and related triazines.

Protected by U.S. Patent No. 5,925,595. Other Patents pending. No license granted under any non-U.S. patent(s).

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulations.

Agricultural Use Requirements

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

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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, is: coveralls over long-sleeved shirt and long pants, socks and chemical resistant footwear, and waterproof gloves.

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 cleaned, reconditioned, or destroyed.

See container label for additional STORAGE AND DISPOSAL instructions.

GENERAL INFORMATION

This product is recommended for control of yellow nutsedge and many 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 after crop emergence. This product may also be 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 products. Use according to the most restrictive label directions for each product in the mixture.

NOTE: Use this product for weed control in corn only. CORN (ALL TYPES INCLUDING SWEET CORN), MILO (SORGHUM), OR SOYBEANS CAN BE PLANTED THE YEAR FOLLOWING THE USE OF THIS PRODUCT. IF SOYBEANS OR OTHER NONLABELED CROPS ARE TO BE PLANTED THE FOLLOWING YEAR, THERE IS THE POSSIBILITY OF CROP INJURY DUE TO CARRYOVER OF ATRAZINE.

USE RESTRICTIONS

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. Do not apply to the following soils where depth to groundwater is 30 feet or less: sands with less than 3 percent organic matter; loamy sands with less than 2 percent organic matter; or sandy loams with less than 1 percent organic matter.

Atrazine can travel (seep or leach) through soil and can enter ground water which may be used as drinking water. Atrazine has been found in ground water. Users are advised not to apply atrazine to sand and loamy sand soils where the water table (ground water) is close to the surface and where these soils

266 are very permeable, i.e., well drained. Your local agricultural agencies can provide further information on
267 the type of soil in your area and the location of ground water.

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269 This product may not be mixed/loaded, or used within 50 ft. of all wells, including abandoned wells,
270 drainage wells, and sink holes. Operations that involve mixing, loading, rinsing, or washing of this product
271 into or from pesticide handling or application equipment or containers within 50 ft. of any well are
272 prohibited unless conducted on an impervious pad constructed to withstand the weight of the heaviest
273 load that may be positioned on or moved across the pad. Such a pad shall be designed and maintained to
274 contain any product spill or equipment leaks, container or equipment rinse or washwater, and rain-water
275 that may fall on the pad. Surface water shall not be allowed to either flow over or from the pad, which
276 means the pad must be self-contained. The pad shall be sloped to facilitate material removal. An unroofed
277 pad shall be of sufficient capacity to contain at a minimum 110 percent of the capacity of the largest
278 pesticide container or application equipment on the pad. A pad that is covered by a roof of sufficient size
279 to completely exclude precipitation from contact with the pad shall have a minimum containment capacity
280 of 100 percent of the capacity of the largest pesticide container or application equipment on the pad.
281 Containment capacities as described above shall be maintained at all times. The above-specified
282 minimum containment capacities do not apply to vehicles when delivering pesticide shipments to the
283 mixing/loading sites.

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285 States may have in effect additional requirements regarding well-head setbacks and operational area
286 containment.

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288 This product may not be mixed or loaded within 50 feet of intermittent streams and rivers, natural or
289 impounded lakes and reservoirs. This product may not be applied within 66 feet of the points where field
290 surface water runoff enters perennial or intermittent streams and rivers or within 200 feet around natural or
291 impounded lakes and reservoirs. If this product is applied to highly erodible land, the 66-foot buffer or
292 setback from runoff entry points must be planted to crop, seeded with grass, or other suitable crop. Where
293 there are state/local requirements regarding atrazine use (including lower maximum rates and/or higher
294 set-backs) which are different from the label, the more restrictive/protective requirements apply.

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296 Do not flood irrigate to apply or incorporate this product.

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

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

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

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

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

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

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

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319 Do not apply this product using aerial application equipment.

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

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

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

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330 Make application when the wind velocity favors on-target product deposition (approximately 3 to 10
331 miles per hour). Do not apply when wind velocity exceeds 15 miles per hour. Avoid application when
332 gusts approach 15 miles per hour.

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

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

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341 Flush sprayer with clean water after use.

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343 Do not rotate to crops other than soybeans, corn, milo (grain sorghum), wheat or tobacco.

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345 On highly erodible soils as defined by the Soil Conservation Service (SCS), if conservation tillage is
346 utilized (more than 30 percent plant residue cover), the maximum rate of atrazine is 2 pounds active
347 ingredient per acre. If plant residue is less than 30 percent the maximum rate of atrazine is 1.6 pounds
348 active ingredient per acre. On soils not highly erodible, the maximum rate of atrazine is 2 pounds active
349 ingredient per acre. The maximum application rate for corn is 2.5 pounds atrazine active ingredient per
350 acre per calendar year. Where sequential postemergence treatments with appropriately registered
351 products containing atrazine are necessary, do not exceed a total of 2.5 pounds atrazine active ingredient
352 per acre per calendar year. Where there are state/local requirements regarding atrazine use (including
353 lower maximum rates and/or higher setbacks) which are different from the label, the more
354 restrictive/protective requirements apply.

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356 **Tile-Terraced Fields Containing Standpipes**

357 To ensure protection of surface water from runoff through standpipes with tile-outlets in terraced fields,
358 one of the following options may be used:

- 359
360 1. Do not apply this product within 66 ft. of standpipes in tile-outletted terraced fields.
361 2. Apply this product to the entire tile-outletted terraced field and immediately incorporate it to a depth of
362 2 to 3 inches in the entire tile-outletted terraced field.
363 3. Apply this product to the entire tile-outletted terraced field under a no-till practice only when a high
364 crop residue management practice is used. High crop residue management practice is described as a
365 crop management practice where little or no crop residue is removed from the field during or after
366 crop harvest.

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368 **SOIL TEXTURE**

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

371 The recommended use rates of this product and the other herbicides labeled for use in tank mixtures with
372 this product vary with soil texture. Unless soil texture is specifically named, rate tables throughout this
373 label refer to only three soil textural groups: coarse, medium and fine. The following is a complete listing of
374 soil textures included in each of these three soil textural groups:
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SOIL TEXTURAL GROUP	SOIL TEXTURE
COARSE	sand, loamy sand, sandy loam
MEDIUM	loam, silt loam, silt, sandy clay loam
FINE	silty clay loam, clay loam, sandy clay, silty clay, clay

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

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MIXING, SPRAYING AND HANDLING INSTRUCTIONS

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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 and do not use this product until you have the necessary protective clothing.

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2.5 Gallon Containers

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

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Bulk Containers

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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 spray tank using pumps or transfer probes. The probe or pump should not be removed from the container or disconnected until the container is emptied or rinsed. Use the pump or probe system to rinse the empty container and transfer the rinsate directly to the mix or spray tank.

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Equipment Cleaning & Repair

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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 to transfer systems application equipment. Whenever possible, these systems or equipment should be rinsed before being cleaned or repaired.

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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.

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Always predetermine the compatibility of this product or labeled 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.

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

- 421 1. Place a 20- to 35-mesh screen or wetting basket over filling port.
 422 2. Through the screen, fill the sprayer tank one-half full with appropriate carrier.
 423 3. If a compatibility agent is necessary to improve mixing or to prevent the formation of undesirable and
 424 unsprayable gels or precipitates, while agitating add it to the carrier already in the tank. Use only
 425 compatibility agents cleared by FDA for this use. Read and follow all directions for use, cautionary
 426 statements and all other information appearing on the selected compatibility agent label. Check for
 427 adequate agitation.
 428 4. If a wettable powder or dry flowable formulation is used, make a slurry with water, and add it slowly
 429 through the screen into the tank. Continue agitation.
 430 5. If a flowable formulation is used, add slowly through screen into the tank. Mixing and compatibility may
 431 be improved when flowable is premixed one part flowable with one part water and added slowly to the
 432 tank in diluted form.
 433 6. Add this product slowly through the screen into the tank. Mixing and compatibility may be improved
 434 when this product is prediluted with two parts of water and added to the tank in diluted form.
 435 7. Complete filling the sprayer tank with carrier. If a Roundup® agricultural herbicide or Gramoxone™
 436 Extra is used, add the required amount near the end of the filling process. Remove hose from tank
 437 immediately after filling to avoid siphoning back into the water source.

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 439 Maintain good agitation at all times until the contents of the tank are sprayed.
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441 **NOTE:** If spray mixture is allowed to settle at any time, thorough agitation is required to resuspend the
 442 mixture before spraying is resumed. Keep bypass line on or near bottom of tank to minimize foaming.
 443 Screen size in nozzle or line strainers should be no finer than 50 mesh. Carefully select proper nozzle to
 444 avoid spraying a fine mist. Check for even distribution of spray droplets. For best results with ground
 445 application, use flat fan or whirl-chamber nozzle. To reduce loss of chemical due to drift of a fine mist,
 446 apply at pressures less than 40 psi.
 447

448 STANDARD SPRAYABLE FLUID FERTILIZER COMPATIBILITY TEST

449 Herbicides may not always mix evenly throughout a sprayable fluid fertilizer or the components may
 450 separate too quickly to make their combined use of practical value. This may be due to certain
 451 characteristics of the different fluid fertilizers. A simple test using small quantities of the components is
 452 suggested to provide compatibility potential. The test follows:
 453

454 A. Materials Required For A Compatibility Test

- 455
 456 1. Two one-quart jars with lid or stopper (marked "with" and "without").
 457
 458 2. TEAspoons (for a more exacting test, a five to ten milliliter (ml.) pipette or graduated cylinder is
 459 desirable).
 460
 461 3. Sprayable fluid fertilizer to be tested.
 462
 463 4. The herbicide chemicals to be mixed.
 464
 465 5. A compatibility agent (the purpose of the adjuvant is to help keep the fertilizer and crop protection
 466 chemical in suspension, if this assistance is needed).

466 B. Procedure

- 467 1. Add one pint of the sprayable fluid fertilizer that will be used or other herbicide carrier to each jar
 468 marked "with" and "without".
 469

470 Add One Pint Liquid Fertilizer
 471 To Two Quart Jars.

472
473

WITH

WITHOUT

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

477
478
479

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

480

WITH

WITHOUT

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482
483
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486

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.

487
488

WITH

WITHOUT

489
490

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

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492
493
494
495

496
497

HERBICIDE

RATE/A

Level
TEAspoons

498
499

500
501
502
503
504
505

Wettable	1 lb. =	1.5
Powders	2 lb. =	3
or	3 lb. =	4.5
Dry Flowables	4 lb. =	6
	5 lb. =	7.5

506

Level

507
508

HERBICIDE

RATE/A

TEAspoons

Milliliters

509
510
511
512
513
514
515
516

Emulsifiable	1 pint =	0.5	or	2.4
Concentrates or	1 quart =	1	or	4.7
Flowables or	2 quarts =	2	or	9.5
Liquids or	3 quarts =	3	or	14.2
Solutions	1 gallon =	4	or	19.0
	5 quarts =	5	or	23.8

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

522 **C. Observations and Decisions**

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

524 2. If a compatibility agent is necessary.

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

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

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

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

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

539
 540

541 **APPLICATION INFORMATION**

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544 **APPLICATION SYSTEMS**

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

552
 553

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

555
 556

557 **Band width**
 558 in inches
 559 Row width X Broadcast
 560 in inches RATE = Band RATE
 561 in inches per acre per acre

562
 563

564 **Band width**
 565 in inches
 566 Row width X Broadcast
 567 in inches VOLUME = Band VOLUME
 568 in inches per acre per acre

569

APPLICATION TIMING AND METHODS

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

1-Pass Incorporation (Surface Blend): Shallowly incorporate 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.

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.

Postemergence Surface Application--This product and certain tank mixtures may be applied postemergence until corn reaches 11 inches in height. Application must be made prior to weed seedling emergence or in a tank mixture that controls emerged weeds. Read and follow all restrictions and directions on tank mix product labels. Refer to the specific treatment intended in the "DIRECTIONS FOR USE" section of the label to determine if postemergence applications to corn are recommended and determine the proper weed and corn growth stage limitations. Precipitation or overhead sprinkler irrigation is required after application to move the herbicide treatment into the weed germination zone to control unemerged weeds. The amount of precipitation or irrigation required depends on existing soil moisture, soil type and percent organic matter content, but 1/4 to 3/4 inch is normally adequate. If weeds emerge after treatment, rotary hoe or shallowly cultivate to improve performance.

Postemergence application of this product in liquid fertilizer carriers can result in crop injury and is not recommended. **NOTE:** Some leaf burn may occur on corn. DO NOT apply if air temperatures are expected to reach 85 degrees F within 24 hours after application. DO NOT MIX with surfactants, crop oil or other additives. APPLY TO FIELD CORN ONLY.

616
 617 **Cultivation Information**--Delay cultivation after application for as long as possible unless weeds or
 618 grasses emerge. Shallowly cultivate or rotary hoe immediately if weeds or grasses emerge. If cultivation is
 619 necessary because of soil crusting or compaction, set equipment shallow and minimize lateral soil
 620 movement to avoid dilution or displacement of the herbicide treatment. If a band application is used and
 621 weeds have emerged in the treated band, set cultivator to throw soil into the row covering the band.

622

WEEDS CONTROLLED

623

624 When applied as directed under conditions described, this product alone will CONTROL the following
 625 weeds:

626

ANNUAL GRASSES

627

628 **Barnyardgrass**
 629 *Echinochloa crus-galli*

630

631 **Crabgrass**
 632 *Digitaria ischaemum*
 633 *Digitaria sanguinalis*

634

635 **Cupgrass, woolly***
 636 *Eriochloa villosa*

637

638 **Foxtail, giant**
 639 *Setaria faberi*

640

641 **Foxtail, green, robust**
 642 **purple, robust white**
 643 *Setaria viridis*

644

645 **Foxtail, yellow**
 646 *Setaria lutescens*

647

648 **Goosegrass**
 649 *Eleusine indica*

650

651 **Oat, wild**
 652 *Avena fatua*

653

654 **Panicum, browntop**
 655 *Panicum fasciculatum*

656

657 **Panicum, fall**
 658 *Panicum dichotomiflorum*

659

660 **Rice, red**
 661 *Oryza sativa*

662

663 **Signalgrass, broadleaf**
 664 *Brachiaria platyphylla*

665

666 **Sprangletop, red**
 667 *Leptochloa filiformis*

668

669 **Wheat, volunteer**
 670 *Triticum aestivum*

671

672 **Witchgrass**
 673 *Panicum capillare*

674

675 *Apply 4.4 quarts of this product per acre to control this weed. Control of these weeds can be erratic
 676 especially under dry weather conditions. Control escaped weeds with cultivation or application of an
 677 appropriate EPA-registered postemergence herbicide.
 678
 679
 680
 681

682	ANNUAL BROADLEAVES
683	
684	Beggarweed, Florida
685	<i>Desmodium tortuosum</i>
686	
687	Carpetweed
688	<i>Mollugo verticillata</i>
689	
690	Cocklebur*
691	<i>Xanthium strumarium</i>
692	
693	Galinsoga
694	<i>Galinsoga spp.</i>
695	
696	Groundcherry, annual
697	<i>Physalis spp.</i>
698	
699	Groundcherry, cutleaf
700	<i>Physalis angulata</i>
701	
702	Henbit
703	<i>Lamium amplexicaule</i>
704	
705	Jimsonweed
706	<i>Datura stramonium</i>
707	
708	Kochia**
709	<i>Kochia scoparia</i>
710	
711	Lambsquarters
712	<i>Chenopodium album</i>
713	
714	Morningglory, annual*
715	<i>Ipomoea purpurea</i>
716	
717	Mustard
718	<i>Brassica spp.</i>
719	
720	Nightshade, black
721	<i>Solanum nigrum</i>
722	
723	Nightshade, halry
724	<i>Solanum sarrachoides</i>
725	
726	Pigweed; Carelessweed,
727	<i>Amaranthus spp.</i>
728	
729	Purslane
730	<i>Portulaca oleracea</i>
731	
732	Pusley, Florida
733	<i>Richardia scabra</i>
734	
735	Ragweed, common
736	<i>Ambrosia artemisiifolia</i>
737	
738	Sida, prickly; Teaweed
739	<i>Sida spinosa</i>
740	
741	Smartweed
742	<i>Polygonum pensylvanicum</i>
743	<i>Polygonum persicaria</i>
744	
745	Velvetleaf, Buttonweed*
746	<i>Abutilon theophrasti</i>
747	
748	Waterhemp
749	<i>Amaranthus, tuberculatus</i>
750	

751 * Use the higher rate in the recommended rate range. Control of these weeds can be erratic especially
 752 under dry weather conditions. Control escaped weeds with cultivation or application of an appropriate
 753 EPA-registered postemergence herbicide.

754
 755 ** Triazine-resistant biotypes may require a post sequential application of a non-triazine herbicide for
 756 control.

757
 758 **SEDGE**

759
 760 **Nutsedge, yellow***
 761 *Cyperus esculentus*

762 *Preplant incorporate for control.

763
 764
 765
 766 When applied immediately after planting or within 5 days of last tillage, this product at a rate of 3.6 to 4.4
 767 quarts per acre on a broadcast basis will reduce competition from the following HARD-TO-CONTROL
 768 weeds.

769
 770
 771 **ANNUAL GRASSES**

772
 773 **Johnsongrass, seedling**
 774 *Sorghum halepense*

775
 776 **Millet, proso**
 777 *Panicum miliaceum*

778
 779 **Panicum, Texas**
 780 *Panicum texanum*

781
 782 **Sandbur, field**
 783 *Cenchrus spp.*

784
 785 **Shattercane, wildcane**
 786 *Sorghum bicolor*

787
 788 **ANNUAL BROADLEAVES**

789
 790 **Ragweed, giant**
 791 *Ambrosia trifida*

792
 793 **Sicklepod**
 794 *Cassia obtusifolia*

795
 796 **Sunflower, common**
 797 *Helianthus annuus*

798
 799 **NOTE:** For hard-to-control weeds, additional amounts of Harness® herbicide and/or atrazine may be
 800 added to the recommended treatment rates for this product to provide improved control. For more
 801 consistent control of common cocklebur, annual morningglory or velvetleaf, additional atrazine may be
 802 applied so that the total atrazine rate is at least 1.5 quarts per acre on medium textured soil with less than
 803 3 percent organic matter, and 1.5 to 2 quarts on medium and fine textured soils with 3 percent or greater
 804 organic matter content. For more consistent control of woolly cupgrass additional Harness herbicide may
 805 be applied so that the total acetochlor rate is 3.0 pounds per acre. The following table shows the amounts
 806 of Harness herbicide and/or atrazine that can be added to specific treatment rates of this product.

807
 808 **NOTE:** The maximum application rate of atrazine is 2.5 pounds active ingredient per acre per calendar
 809 year (2.5 quarts per acre atrazine 4L). On highly erodible soils (as defined by the Soil Conservation
 810 Service) with less than 30 percent residue cover, the maximum rate of atrazine is 1.6 pounds active
 811 ingredient (1.6 quarts per acre of atrazine 4L). On soils not highly erodible or on highly erodible soils with
 812 more than 30 percent plant residue cover, the maximum rate of atrazine is 2 pounds active ingredient per
 813 acre (2 quarts per acre of atrazine 4L). If there has been a previous application of a product containing
 814 atrazine, do not exceed a total of 2.5 pounds of atrazine active ingredient per acre per calendar year. The
 815 maximum application rate of acetochlor for corn is 3 pounds active ingredient per acre per calendar year.

816
 817 Do not use more than 4.4 quarts of this product per acre per calendar year.

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RECOMMENDED RATE (quarts)	ADDITIONAL PRODUCT (maximum)	
DEGREE XTRA™ (QUARTS)	HARNESS® (PINTS)	ATRAZINE (QUARTS)
2.4	1.6	1.7
2.9	1.2	1.5
3.2	0.9	1.4

FIELD CORN, PRODUCTION SEED CORN, SILAGE CORN AND POPCORN

DEGREE XTRA HERBICIDE

Apply this product in water or sprayable fluid fertilizer solution 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

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 14 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.

Postemergence Surface--Apply this product before weeds reach the 2-leaf stage and before corn reaches 11 inches in height. Applications made to weeds beyond the 2-leaf stage may not provide satisfactory control. Some leaf burn to corn may occur occasionally but subsequent growth or yield should not be affected. If weeds are emerged at application, shallowly cultivate or rotary hoe to improve performance. Postemergence application of this product in liquid fertilizer carriers can result in crop injury and is not recommended. **NOTE:** Some leaf burn may occur on corn. DO NOT apply if air temperatures are expected to reach 85 degrees F within 24 hours after application. DO NOT MIX with surfactants, crop oil or other additives. APPLY TO FIELD CORN ONLY.

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.

Application Rates

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BROADCAST RATE PER ACRE (QUARTS)**

SOIL TEXTURAL GROUP*	DEGREE XTRA
Coarse***	2.9
Medium	2.9 to 3.7
Fine	3.2 to 3.7

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

**In areas of heavy weed infestation use up to 4.3 quarts per acre on medium and fine textured soils.

***Refer to the "USE RESTRICTIONS" section of this label for restrictions.



DEGREE XTRA HERBICIDE plus ROUNDUP ULTRAMAX™ HERBICIDE

887

POSTEMERGENCE TO ROUNDUP READY® CORN

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This tank mix may be applied postemergence to Roundup Ready® corn from seedling emergence until the corn reaches 11 inches in height. Refer to the Roundup UltraMAX or other Roundup agricultural herbicide labels for specific weeds controlled postemergence.

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893

AVOID DRIFT. EXTREME CARE MUST BE USED WHEN APPLYING THIS PRODUCT TO PREVENT INJURY TO DESIRABLE PLANTS AND CROPS WHICH DO NOT CONTAIN THE ROUNDUP READY GENE.

894

APPROVED APPLICATION SYSTEMS

895

Ground--Broadcast boom

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

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APPROVED APPLICATION METHODS

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Postemergence Broadcast Applications to Roundup Ready Corn. This product is applied postemergence to Roundup Ready corn from seedling emergence until the corn is 11 inches in height. Normal use rates for this tank mix are defined in the table below. Use the higher rate on larger weeds and where heavy weed infestations exist. This tank mix should be applied when weeds are 2 to 4 inches in height and before the weed height and/or density become competitive with the crop.

904
905
906

For difficult to control weeds such as fall panicum, barnyardgrass, crabgrass, shattercane, broadleaf signalgrass and Pennsylvania smartweed use the higher rate of Roundup UltraMAX or equivalent rates of other Roundup agricultural herbicides.

907

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

908
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911

Application Rates

BROADCAST RATE PER ACRE

SOIL TEXTURAL GROUP*	DEGREE XTRA (QUARTS)	+	ROUNDUP ULTRAMAX (OUNCES)
Coarse**	1.5 to 2.2		20 to 26
Medium	1.5 to 2.7		20 to 26
Fine	1.6 to 2.7		20 to 26

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

**Refer to the "USE RESTRICTIONS" section of this label for restrictions.

DEGREE XTRA HERBICIDE plus ACCENT™

Apply this tank mixture in water after crop emergence to provide preemergence and postemergence control of certain grass and broadleaf weeds. Refer to the Accent herbicide label for specific weeds controlled postemergence.

APPROVED APPLICATION SYSTEMS

Ground--Broadcast boom; banded

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

Postemergence Surface--Apply this tank mixture after corn emergence up to 11 inches in height and until grasses are 3 inches in height. Applications made after weeds exceed 3 inches in height may not provide satisfactory control. Always add a nonionic surfactant at 0.25 percent v/v. This tank mixture will not control certain emerged broadleaf weeds. Addition of Banvel or Permit® herbicide will improve performance on broadleaf weeds. Refer to the Accent herbicide label for specific weeds controlled. Some leaf burn to corn may occur occasionally but subsequent growth or yield should not be affected.

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.

Application Rates

SOIL TEXTURAL GROUP*	BROADCAST RATE PER ACRE **		
	DEGREE XTRA (QUARTS)	+	ACCENT (OUNCES)

963	Coarse***	2.9	1/2 to 2/3
964	Medium	2.9 to 3.7	1/2 to 2/3
965	Fine	3.2 to 3.7	1/2 to 2/3

966
967 *Refer to the "SOIL TEXTURE" section of this label to determine the corresponding textural group for the
968 soil to be treated.

969
970 **In areas of heavy weed infestation use up to 4.3 quarts per acre on medium and fine textured soils.

971
972 ***Refer to the "USE RESTRICTIONS" section of this label for restrictions.

973
974 **DEGREE Xtra plus BALANCE PRO**
975 **(TANK MIXTURE)**

976
977 **FOR USE IN FIELD CORN AND SILAGE CORN**

978
979 **APPROVED APPLICATION SYSTEMS**

980
981 **Ground – Broadcast boom; banded.**

982
983 **APPROVED APPLICATION METHOD**

984
985 **Preemergence Surface**

986
987 Balance PRO is not registered in all states. Follow all Restrictions and Precautions on the Balance PRO
988 label including planting depth, environmental precautions, and soil type restrictions.

989
990 Follow the Balance PRO Technical Bulletins, 24(c) labels and 2(ee) recommendations for additional **use**
991 **rate restrictions** based on soil textures and depth to groundwater in various states.

992
993 **APPLICATION RATES:**

994
995 **BROADCAST RATE PER ACRE (pints of Degree and ounces of Balance PRO)**

996 997 SOIL TEXTURE	998 < 3% ORGANIC MATTER			999 > 3% ORGANIC MATTER		
1000	Degree Xtra (pints)	+	Balance PRO (ounces)	Degree Xtra (pints)	+	Balance PRO (ounces)
1001	COARSE *	2.25 to 2.9	+ 1.00 to 1.88	2.25 to 2.9	+ 1.0 to 1.88	
1002	MEDIUM	2.25 to 3.7	+ 1.00 to 2.50	2.25 to 3.7	+ 1.5 to 3.00	
1003	FINE	2.50 to 3.7	+ 1.50 to 2.75	2.50 to 3.7	+ 2.0 to 3.50	

1004
1005 * It is not recommended to use Balance PRO on coarse soils with less than 1.5% organic matter.

1006
1007 **DEGREE XTRA HERBICIDE plus BANVEL or CLARITY™**

1008
1009 For use on level or flat-planted field corn on soils with more than 2 percent organic matter.

1010
1011 Apply in water or sprayable fluid fertilizer solutions for control of the annual grasses and broadleaf weeds
1012 listed in the "WEEDS CONTROLLED" section of this label.

1013 **APPROVED APPLICATION SYSTEMS**

1014 Ground--Broadcast boom; banded

1015 **Reference:** The "APPLICATION SYSTEMS" section of this label provides detailed information on the
1016 proper application of this tank mixture using ground spray equipment.

1017 APPROVED APPLICATION METHODS

1018 **Preemergence Surface--**Apply this tank mixture after planting, before crop and weeds emerge and within
1019 5 days of last preplant tillage operation. Corn seeds must be planted 1-1/2 inches or deeper beneath the
1020 soil surface. Direct chemical contact with corn seed must be avoided since crop injury may result. Apply
1021 far enough behind planter equipment to avoid any incorporation by the planter wheel or other covering
1022 device. Do not apply if corn seeds are planted less than 1-1/2 inches beneath the soil surface.
1023

1024 **Postemergence Surface--**Apply this tank mixture before grasses have reached the 2-leaf stage and the
1025 corn is less than 8 inches in height. Applications made to grasses beyond the 2-leaf stage may not provide
1026 satisfactory control. Addition of Accent to this tank mixture will improve control of emerged grasses. Some
1027 leaf burn to corn may occur occasionally but subsequent growth or yield should not be affected. DO NOT
1028 make postemergence surface applications using sprayable fluid fertilizer as the carrier because severe
1029 crop injury may occur.

1030 **Reference:** The "APPLICATION TIMING AND METHODS" section of this label provides detailed
1031 information and procedures for the application timing and method selected.

1032 **NOTE: PREVENT DRIFT TO SOYBEANS OR OTHER DESIRABLE PLANTS.** Do not use on furrow
1033 irrigated corn, or when corn is planted at the bottom of a furrow, utilizing lister, till or other similar planting
1034 methods. DO NOT incorporate after planting or corn emergence. If it is necessary to drag for leveling or
1035 rotary hoe to break soil crust, DO NOT disturb the soil more than 1/2 inch deep.

1036 **RECOMMENDED RATES:** Refer to the following table for the recommended broadcast treatment rates
1037 for this tank mixture. Applications which are not consistent with recommendations in this label may result
1038 in unsatisfactory weed control or crop injury and/or destruction.

1039 **Application Rates**

1040 _____

BROADCAST RATE PER ACRE **		
SOIL		
TEXTURAL GROUP*	DEGREE XTRA + (QUARTS)	BANVEL or CLARITY (PINTS)
Coarse***	2.9	1
Medium	2.9 to 3.7	1
Fine	3.2 to 3.7	1

1054 *Refer to the "SOIL TEXTURE" section of this label to determine the corresponding textural group for the
1055 soil to be treated.

1056
1057 **In areas of heavy weed infestation use up to 4.3 quarts per acre on medium and fine textured soils.

1058
1059 ***On coarse-textured soils containing 2% or more organic matter, use DEGREE XTRA plus Banvel or
1060 Clarity only on sandy loam. Do not use on sand and loamy sand with less than 2% organic matter.
1061 Refer to the "USE RESTRICTIONS" section of this label for restrictions.
1062

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DEGREE XTRA plus CALLISTO
FOR POSTEMERGENCE SURFACE APPLICATIONS FOR FIELD CORN,
PRODUCTION SEED CORN AND SILAGE CORN

APPROVED APPLICATION SYSTEMS

1070 Ground--Broadcast boom; banded

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APPROVED APPLICATION METHODS

Postemergence Surface

1076 Callisto is not registered in all states. Follow all Restrictions and Precautions on the Callisto label including planting depth, environmental precautions, and soil type restrictions.

1077
1078
1079 Do not apply to the following soils if ground water depth is 30 feet or less: sands with less than 3% organic matter; loamy sands with less than 2% organic matter; or sandy loams with less than 1% organic matter.

1081
1082

RECOMMENDATION

Degree Xtra may be tank mixed with 3 ounces of Callisto for postemergence applications:

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- Use the labeled rates of Degree Xtra that correspond to the soil texture and organic matter.
- Broadleaf weeds should not exceed 5 inches for Callisto applications.
- Accent® Herbicide may be added for postemergence grass control. Follow the label for Accent rates and maximum grass sizes.
- Corn must be sprayed before it exceeds 11 inches in height.
- Add 2.5% (v/v) spray grade UAN (28%N) or AMS (8.5 lbs/100 gallons spray solution)
- The addition of crop oil concentrate (COC-1 gal. per 100 gal. spray solution) to Degree Xtra will aid in emerged weed control.
- DO NOT use Methylated Soybean Oil (MSO).
- DO NOT make post applications using sprayable fluid fertilizer as the carrier because severe crop injury may occur.

1099
1100

DEGREE XTRA HERBICIDE plus HORNET™

NOTE: ONLY APPLY THIS TANK MIXTURE TO FIELD CORN.

1101
1102
1103
1104
1105

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

1106

APPROVED APPLICATION SYSTEMS

1107 Ground--Broadcast boom; banded

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1109
1110

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

1111

APPROVED APPLICATION METHODS

1112 **Preplant Surface Applied**--For minimum-tillage or no tillage systems this tank mix may be applied up to 30 days before planting. If weeds are present at the time of treatment, apply in a tank mixture combination with an appropriate contact herbicide. Observe all directions for use, precautions and restrictions on the

1115 label of the contact herbicide. During the planting operation, be careful not to move untreated soil to the
1116 surface or move treated soil out of the row, as weed control may be reduced.
1117

1118 **Preplant Incorporated**--Apply this tank mixture within 14 days prior to planting and shallowly incorporate
1119 or Surface Blend into the upper 1 to 2 inches of soil.
1120

1121 **Preemergence Surface**--Apply this tank mixture after planting, before crop and weeds emerge and within
1122 5 days of last preplant tillage operation. Adequate soil moisture is required for optimum herbicidal activity.
1123 Precipitation or overhead sprinkler irrigation is required after application to move the herbicide treatment
1124 into the weed germination zone. The amount of precipitation or overhead sprinkler irrigation required
1125 depends on existing soil moisture, soil type and percent organic matter content, but 1/4 to 3/4 inch is
1126 normally adequate. If adequate soil moisture is not received within 7 to 10 days after a surface applied
1127 treatment, a shallow cultivation is recommended to control established weeds and move the herbicide into
1128 the weed germination zone.
1129

1130 **NOTE:** For all soil applications of this tank mixture, corn seeds must be planted 1-1/2 inches or deeper
1131 beneath the soil surface.
1132

1133 **DO NOT** use this tank mixture when Counter™ (terbufos) or Thimet™ (phorate) insecticides are to be
1134 applied due to the risk of severe crop injury.
1135

1136 **Postemergence Surface**--Apply this tank mixture before grasses have reached the 2-leaf stage and the
1137 corn is less than 11 inches in height. Applications made to grasses beyond the 2-leaf stage may not
1138 provide satisfactory control. Some leaf burn to corn may occur occasionally but subsequent growth or yield
1139 should not be affected. Include a non-ionic surfactant at 0.25 percent v/v (1 qt/100 gal) or crop oil
1140 concentrate at 1 percent v/v for all postemergence applications. **DO NOT** make postemergence surface
1141 tank mixture applications using sprayable fluid fertilizer as the total carrier because severe crop injury may
1142 occur.

1143 **Reference:** The "APPLICATION TIMING AND METHODS" section of this label provides detailed
1144 information and procedures for the application timing and method selected.
1145

1146 **NOTE:** Avoid all direct or indirect contact with nontarget plants. Spray drift of this tank mixture to emerged
1147 soybeans or soil to which soybeans will be planted during the same growing season may cause soybean
1148 injury.
1149

1150 **NOTE:** OBSERVE ALL PRECAUTIONS AND LIMITATIONS OF THE DEGREE XTRA HERBICIDE AND
1151 HORNET LABELS BEFORE USE OF THIS TANK MIXTURE, INCLUDING PRECAUTIONS ON SOIL
1152 RESTRICTIONS, SOIL INSECTICIDES, ROTATIONAL RESTRICTIONS, AND SPRAYER CLEANUP.
1153

1154 **RECOMMENDED RATES:** Refer to the following table for the recommended broadcast treatment rates
1155 for this tank mixture. Applications which are not consistent with recommendations in this label may result
1156 in unsatisfactory weed control or crop injury and/or destruction.
1157

1158 **Application Rates**

SOIL TEXTURAL GROUP*	BROADCAST RATE PER ACRE **	
	DEGREE XTRA (QUARTS)	HORNET (OUNCES)
Coarse***	2.9	2.4
Medium	2.9 to 3.7	2.4 to 3.2
Fine	3.2 to 3.7	2.4 to 3.2

1170 *Refer to the "SOIL TEXTURE" section of this label to determine the corresponding textural group for the
 1171 soil to be treated.

1172
 1173 **In areas of heavy weed infestation use up to 4.3 quarts per acre on medium and fine textured soils.

1174
 1175 ***Refer to the "USE RESTRICTIONS" and "GENERAL INFORMATION" sections of this label and
 1176 HORNET for restrictions.

1177
 1178 **DEGREE XTRA HERBICIDE plus MARKSMAN™**

1179 For use on level or flat-planted field corn on soils with more than 2 percent organic matter.

1180
 1181
 1182 Apply in water or sprayable fluid fertilizer solutions for control of the annual grasses and broadleaf weeds
 1183 listed for DEGREE XTRA herbicide plus atrazine in the "WEEDS CONTROLLED" section of this label.

1184 **APPROVED APPLICATION SYSTEMS**

1185 Ground--Broadcast boom; banded

1186
 1187 **Reference:** The "APPLICATION SYSTEMS" section of this label provides detailed information on the
 1188 proper application of this product using the system selected.

1189
 1190 **APPROVED APPLICATION METHODS**

1191 **Preemergence Surface**--Apply this tank mixture after planting, before crop and weeds emerge and within
 1192 5 days of last preplant tillage operation. Corn seeds must be planted 1-1/2 inches or deeper beneath the
 1193 soil surface. Direct chemical contact with corn seed must be avoided since crop injury may result. Apply
 1194 far enough behind planter equipment to avoid any incorporation by the planter wheel or other covering
 1195 device. Do not apply if corn seeds are planted less than 1-1/2 inches beneath the soil surface.

1196 **Postemergence Surface**--Apply this tank mixture before grasses reach the 2-leaf stage and the corn is
 1197 less than 8 inches in height. Applications made beyond the 2-leaf stage will not provide satisfactory grass
 1198 control. Some leaf burn to corn may occur occasionally but subsequent growth or yield should not be
 1199 affected. DO NOT make postemergence surface applications using sprayable fluid fertilizer as the carrier
 1200 because severe crop injury may occur.

1201 **Reference:** The "APPLICATION TIMING AND METHODS" section of this label provides detailed
 1202 information and procedures for the application timing and method selected.

1203 **NOTE: PREVENT DRIFT TO SOYBEANS OR OTHER DESIRABLE PLANTS.** Do not use on furrow
 1204 irrigated corn, or when corn is planted at the bottom of a furrow, utilizing lister, till or other similar planting
 1205 methods. DO NOT incorporate after planting or corn emergence. If it is necessary to drag for leveling or
 1206 rotary hoe to break soil crust, DO NOT disturb the soil more than 1/2 inch deep.

1207 **RECOMMENDED RATES:** Refer to the following table for the recommended broadcast treatment rates
 1208 for this tank mixture. Applications which are not consistent with recommendations in this label may result
 1209 in unsatisfactory weed control or crop injury and/or destruction.

1210
 1211 **Application Rates**

SOIL TEXTURAL GROUP*	BROADCAST RATE PER ACRE**	
	DEGREE XTRA (QUARTS)	MARKSMAN (PINTS)
1212		
1213		
1214		
1215		
1216		
1217		
1218		

1219			
1220	Coarse***	2.9	3.5
1221	Medium	2.9 to 3.7	3.5
1222	Fine	3.2 to 3.7	3.5

1223
1224 *Refer to the "SOIL TEXTURE" section of this label to determine the corresponding textural group for the
1225 soil to be treated.

1226
1227 ** In areas of heavy weed infestation use up to 4.3 quarts per acre on medium and fine textured soils.

1228
1229 ***On coarse-textured soils containing 2% or more organic matter, use DEGREE XTRA plus Marksman
1230 only on sandy loam. Do not use on sand and loamy sand with less than 2% organic matter. Refer to the
1231 "USE RESTRICTIONS" section of this label for restrictions.

1232
1233 **DEGREE XTRA HERBICIDE plus PERMIT HERBICIDE**

1234
1235 Apply this tank mixture in water after crop emergence to provide preemergence and postemergence
1236 control of certain grass and broadleaf weeds. Refer to the Permit herbicide label for specific weeds
1237 controlled postemergence.

1238 **APPROVED APPLICATION SYSTEMS**

1239 Ground--Broadcast boom; banded

1240 **Reference:** The "APPLICATION SYSTEMS" section of this label provides detailed information on the
1241 proper application of this product using the system selected.

1242 **APPROVED APPLICATION METHODS**

1243 **Postemergence Surface**--Apply this tank mixture after corn emergence up to 11 inches in height and
1244 before grass weeds reach the 2-leaf stage. Applications made to grasses beyond the 2-leaf stage may not
1245 provide satisfactory control. Some leaf burn to corn may occur occasionally but subsequent growth or yield
1246 should not be affected. DO NOT make postemergence surface applications using sprayable fluid fertilizer
1247 as the carrier because severe crop injury may occur.

1248 **Reference:** The "APPLICATION TIMING AND METHODS" section of this label provides detailed
1249 information and procedures for the application timing and method selected.

1250 **RECOMMENDED RATES:** Refer to the following tables for the recommended broadcast treatment rates
1251 for this product. Applications which are not consistent with recommendations in this label may result in
1252 unsatisfactory weed control or crop injury.

1253 **Application Rates**

SOIL TEXTURAL GROUP*	BROADCAST RATE PER ACRE **	
	DEGREE XTRA (QUARTS)	+ PERMIT (OUNCES)
1261 Coarse***	2.9	2/3
1262 Medium	2.9 to 3.7	2/3
1263 Fine	3.2 to 3.7	2/3

1264
1265 *Refer to the "SOIL TEXTURE" section of this label to determine the corresponding textural group for the
1266 soil to be treated.

1267
 1268 ** In areas of heavy weed infestation use up to 4.3 quarts per acre on medium and fine textured soils.
 1269
 1270 ***Refer to the "USE RESTRICTIONS" section of this label for restrictions.
 1271

1272 **DEGREE XTRA HERBICIDE plus PRINCEP™**

1273
 1274 Apply this tank mixture in water or sprayable fluid fertilizer solutions for control of yellow nutsedge and the
 1275 annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label.

1276 **APPROVED APPLICATION SYSTEMS**

1277
 1278 Ground--Broadcast boom; banded
 1279
 1280 **Reference:** The "APPLICATION SYSTEMS" section of this label provides detailed information on the
 1281 proper application of this tank mixture using the system selected.
 1282

1283 **APPROVED APPLICATION METHODS**

1284
 1285 **Preplant Incorporated**--Apply this tank mixture within 14 days prior to planting and shallowly incorporate
 1286 or Surface Blend into the upper 1 to 2 inches of soil.
 1287
 1288 **Preemergence Surface**--Apply this tank mixture after planting, before crop and weed emergence and
 1289 within 5 days after last preplant tillage operation.
 1290

1291 **Reference:** The "APPLICATION TIMING AND METHODS" section of this label provides detailed
 1292 information and procedures for the application timing and method selected.
 1293

1294 **NOTE:** LAND TREATED WITH PRINCEP SHOULD NOT BE PLANTED TO ANY CROP OTHER THAN
 1295 CORN FOR ONE YEAR FOLLOWING TREATMENT AS CROP INJURY MAY OCCUR. AFTER
 1296 HARVEST OF TREATED CROP, PLOW AND THOROUGHLY TILL THE SOIL IN THE FALL OR
 1297 SPRING TO MINIMIZE POSSIBLE INJURY TO SPRING SEEDED ROTATIONAL CROPS.
 1298

1299 **RECOMMENDED RATES:** Refer to the following tables for the recommended broadcast treatment rates
 1300 for this tank mixture. Applications which are not consistent with recommendations in this label may result
 1301 in unsatisfactory weed control or crop injury.
 1302

1303 **Application Rates**

SOIL TEXTURAL GROUP*	BROADCAST RATE PER ACRE **	
	DEGREE XTRA (QUARTS)	+ PRINCEP 4L*** (QUARTS)
1311 Coarse****	2.9	1.25 to 2.0
1312 Medium	2.9 to 3.7	1.25 to 2.0
1313 Fine	3.2 to 3.7	1.5 to 2.0

1314
 1315 *Refer to the "SOIL TEXTURE" section of this label to determine the corresponding
 1316 textural group for the soil to be treated.
 1317

1318 ** In areas of heavy weed infestation use up to 4.3 quarts per acre on medium
 1319 and fine textured soils.
 1320

1321 ***Use rates listed in this label when using Princep 4L. Use equivalent rates when
1322 using the Princep Caliber 90 formulation. One quart of Princep 4L equals
1323 1.1 pounds of Princep Caliber 90.
1324

1325 ****Refer to the "USE RESTRICTIONS" section of this label for restrictions.
1326

1327 **DEGREE XTRA HERBICIDE plus PROWL™**
1328

1329 Apply this tank mixture in water or sprayable fluid fertilizer solutions for control of yellow nutsedge and the
1330 annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label for
1331 DEGREE XTRA herbicide.
1332

1333 **APPROVED APPLICATION SYSTEMS**
1334

1335 Ground--Broadcast boom; banded
1336

1337 Reference: The "APPLICATION SYSTEMS" section of this label provides detailed information on the
1338 proper application of this tank mixture using the system selected.
1339

1340 **APPROVED APPLICATION METHODS**
1341

1342 **Preemergence Surface**--Apply this tank mixture after planting, before crop and weed emergence and
1343 within 5 days after last preplant tillage operation.
1344

1345 DO NOT preplant incorporate this tank mixture as serious crop injury can result.
1346

1347 **Reference:** The "APPLICATION TIMING AND METHODS" section of this label provides detailed
1348 information and procedures for the application timing and method selected.
1349

1350 **RECOMMENDED RATES:** Refer to the following tables for the recommended broadcast treatment rates
1351 for this tank mixture. Applications which are not consistent with recommendations in this label may result
1352 in unsatisfactory weed control or crop injury.
1353

1354 **Application Rates**
1355

SOIL TEXTURAL GROUP*	BROADCAST RATE PER ACRE **	
	DEGREE XTRA (QUARTS)	+ PROWL*** (PINTS)
Coarse****	2.9	1.0
Medium	2.9 to 3.7	1.0 to 2.
Fine	3.2 to 3.7	1.0 to 2.

1366 *Refer to the "SOIL TEXTURE" section of this label to determine the corresponding textural group for the
1367 soil to be treated.
1368

1369 **In areas of heavy weed infestation use up to 4.3 quarts per acre on medium and fine textured soils.
1370

1371 ***Use rates listed in this label when using Prowl. Use equivalent rates when using Prowl 3.3 EC. One
1372 quart of Prowl equals 1.2 quarts of Prowl 3.3 EC.
1373

1374 ****Refer to the "USE RESTRICTIONS" section of this label for restrictions.
1375

DEGREE XTRA HERBICIDE plus PURSUIT™

1376
1377
1378 Apply this tank mixture in water after crop emergence to provide preemergence and postemergence
1379 control of certain grass and broadleaf weeds. Refer to the Pursuit herbicide label for specific weeds
1380 controlled postemergence.

1381 APPROVED APPLICATION SYSTEMS

1382 Ground--Broadcast boom; banded

1383 **Reference:** The "APPLICATION SYSTEMS" section of this label provides detailed information on the
1384 proper application of this tank mixture using the system selected.

1385 APPROVED APPLICATION METHODS

1386 **Preplant Incorporated**--Apply this tank mixture within 14 days prior to planting and shallowly incorporate
1387 or Surface Blend into the upper 1 to 2 inches of soil.

1388 **Preemergence Surface**--Apply this tank mixture after planting, before crop and weed emergence and
1389 within 5 days after last preplant tillage operation.

1390
1391 **Postemergence Surface**--Apply this tank mixture before weeds reach 3 inches in height and the corn is
1392 no more than 11 inches in height. Applications made after weeds are beyond 3 inches in height may not
1393 provide satisfactory control. Contour™ or Resolve™ herbicides may be substituted for Pursuit in this tank
1394 mixture. Refer to these product labels for recommended use rates. Some leaf burn to corn may occur
1395 occasionally but subsequent growth or yield should not be affected. DO NOT make postemergence
1396 surface applications using sprayable fluid fertilizer as the carrier because severe crop injury may occur.

1397 **Reference:** The "APPLICATION TIMING AND METHODS" section of this label provides detailed
1398 information and procedures for the application timing and method selected.

1399
1400 **NOTE:** THIS TANK MIXTURE IS FOR USE ONLY ON SELECTED FIELD CORN HYBRIDS (IMI-CORN)
1401 WARRANTED BY THE SEED COMPANY TO POSSESS RESISTANCE/TOLERANCE TO DIRECT
1402 APPLICATION OF PURSUIT (FOR EXAMPLE: PIONEER IR HYBRIDS). DO NOT APPLY PURSUIT TO
1403 CORN HYBRIDS WHICH LACK GENETIC RESISTANCE/TOLERANCE TO PURSUIT HERBICIDE.
1404 OBSERVE ALL PRECAUTIONS AND LIMITATIONS ON THE DEGREE XTRA HERBICIDE AND
1405 PURSUIT LABELS BEFORE USE OF THIS TANK MIXTURE INCLUDING PRECAUTIONS ON MINIMUM
1406 RECROPPING INTERVAL AND ROTATIONAL GUIDELINES.

1407
1408 **RECOMMENDED RATES:** Refer to the following tables for the recommended broadcast treatment rates
1409 for this tank mixture. Applications which are not consistent with recommendations in this label may result
1410 in unsatisfactory weed control or crop injury.

1411
1412 **Application Rates**

1413
1414 BROADCAST RATE PER ACRE **

1415 SOIL			
1416 TEXTURAL	DEGREE XTRA	+	PURSUIT
1417 GROUP*	(QUARTS)		(OUNCES)
1418 Coarse***	2.9		4
1419 Medium	2.9 to 3.7		4
1420 Fine	3.2 to 3.7		4

1424 *Refer to the "SOIL TEXTURE" section of this label to determine the corresponding textural group for the
1425 soil to be treated.

1426
1427 **In areas of heavy weed infestation use up to 4.3 quarts per acre on medium and fine textured soils.
1428

1429 ***Refer to the "USE RESTRICTIONS" section of this label for restrictions.
1430

1431

1432

DEGREE XTRA HERBICIDE plus PYTHON™ WDG

1433

NOTE: ONLY APPLY THIS TANK MIXTURE TO FIELD CORN.

1434

1435

1436

1437

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

1438

APPROVED APPLICATION SYSTEMS

1439

Ground--Broadcast boom; banded

1440

1441

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

1442

1443

APPROVED APPLICATION METHODS

1444

Preplant Surface Applied--For minimum-tillage or no tillage systems this tank mix may be applied up to 30 days before planting. If weeds are present at the time of treatment, apply in a tank mixture combination 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.

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1450

Preplant Incorporated--Apply this tank mixture within 14 days prior to planting and shallowly incorporate or Surface Blend into the upper 1 to 2 inches of soil.

1451

1452

1453

Preemergence Surface--Apply this tank mixture after planting, before crop and weeds emerge and within 5 days of last preplant tillage operation. Adequate soil moisture is required for optimum herbicidal activity. 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 moisture, soil type and percent organic matter content, but ¼ to ¾ inch is normally adequate. If adequate soil moisture is not received within 7 to 10 days after a surface applied treatment, a shallow cultivation is recommended to control established weeds and move the herbicide into the weed germination zone.

1454

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1461

NOTE: For all soil applications of this tank mixture, corn seeds must be planted 1-1/2 inches or deeper beneath the soil surface.

1462

1463

1464

DO NOT use this tank mixture when Counter (terbufos) or Thimet (phorate) insecticides are to be applied due to the risk of severe crop injury.

1465

1466

1467

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

1468

1469

1470

NOTE: Avoid all direct or indirect contact with nontarget plants. Spray drift of this tank mixture to emerged soybeans or soil to which soybeans will be planted during the same growing season may cause soybean injury.

1471

1472

1473

1474

1475 **NOTE:** OBSERVE ALL PRECAUTIONS AND LIMITATIONS OF THE DEGREE XTRA HERBICIDE AND
 1476 PYTHON LABELS BEFORE USE OF THIS TANK MIXTURE, INCLUDING PRECAUTIONS ON SOIL
 1477 RESTRICTIONS, SOIL INSECTICIDES, ROTATIONAL RESTRICTIONS, AND SPRAYER CLEANUP.
 1478

1479 **RECOMMENDED RATES:** Refer to the following table for the recommended broadcast treatment rates
 1480 for this tank mixture. Applications which are not consistent with recommendations in this label may result
 1481 in unsatisfactory weed control or crop injury and/or destruction.

1482 **Application Rates**

BROADCAST RATE PER ACRE **		
TEXTURAL GROUP*	DEGREE XTRA + (QUARTS)	PYTHON (OUNCES)
Coarse***	2.9	0.8
Medium	2.9 to 3.7	0.8 to 1.0
Fine	3.2 to 3.7	0.8 to 1.0

1491
 1492 *Refer to the "SOIL TEXTURE" section of this label to determine the corresponding textural group for the
 1493 soil to be treated.
 1494

1495
 1496 **In areas of heavy weed infestation use up to 4.3 quarts per acre on medium and fine textured soils.
 1497

1498
 1499 ***Refer to the "USE RESTRICTIONS" and "GENERAL INFORMATION" sections of this label and
 1500 PYTHON WDG for restrictions.
 1501

1502

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**Conservation or Minimum Tillage Systems
 TANK MIXTURES**

1508

AT-PLANTING APPLICATIONS

1509

**FIELD CORN, PRODUCTION SEED CORN,
 SILAGE CORN AND POPCORN**

1510

1511

1512

1513 When applied as directed under the conditions described, these tank mixtures control many emerged
 1514 annual weeds, suppress many emerged perennial weeds and give preemergence control of many annual
 1515 grasses and broadleaf weeds when corn will be planted directly into a cover crop, established sod or in
 1516 previous crop residues. These tank mixtures will not control regrowth from perennial weeds.
 1517

1517

1518

DO NOT APPLY BY AIR.

1519

1520

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

1521

1522

1523

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

1524

1525

DEGREE XTRA herbicide and the following tank mixtures can be tank mixed with a Roundup agricultural
 herbicide, Gramoxone Extra and/or 2,4-D.

1526

1527

DEGREE XTRA HERBICIDE

1528 DEGREE XTRA HERBICIDE plus PRINCEP

1529

1530 DEGREE XTRA HERBICIDE plus PURSUIT

1531

1532 Apply these tank mixtures with a Roundup agricultural herbicide or 2,4-D (amine or low volatile ester) in 10
1533 to 20 gallons of water or 10 to 60 gallons of nitrogen solution per acre, or the tank mixtures with
1534 Gramoxone Extra in 20 to 60 gallons of water or clear liquid fertilizer per acre immediately before, during
1535 or after planting, but BEFORE CROP EMERGENCE. As density of stubble, crop residue or weeds
1536 increase, spray gallonage and rate should be increased within the recommended ranges to ensure
1537 complete coverage. In the absence of emerged vegetation, delete the Roundup agricultural herbicide,
1538 Gramoxone Extra or 2,4-D portion of these tank mixtures.

1539

CONTROL OR SUPPRESSION OF EMERGED WEEDS

1540

ATTENTION

1541

1542 AVOID DRIFT--EXTREME CARE MUST BE USED WHEN APPLYING THESE TANK MIXTURES TO
1543 PREVENT INJURY TO DESIRABLE PLANTS AND CROPS. Do not allow spray mist to drift since even
1544 minute quantities of spray can cause severe damage or destruction to nearby crops, plants or other areas
1545 on which treatment is not intended. Do not apply when winds are gusty or in excess of 5 miles per hour or
1546 when other conditions, including lesser wind velocities, will allow drift to occur. When spraying, avoid
1547 combinations of pressure and nozzle type that will result in fine particles (mist) which are more likely to
1548 drift.
1549

1550

ROUNDUP UltraMAX™ HERBICIDE

1551 **Annual Weeds**—Apply 13 to 20 ounces of Roundup UltraMax herbicide per acre, or equivalent rates of
1552 other Roundup agricultural herbicides, in these tank mixtures when weeds are less than 6 inches tall. Use
1553 26 ounces of Roundup UltraMax herbicide per acre, or equivalent rates of other Roundup agricultural
1554 herbicides, for control of fall panicum, barnyardgrass, crabgrass and shattercane up to 2 inches tall;
1555 Pennsylvania smartweed up to 6 inches tall; other annual weeds 6 to 12 inches tall.

1556 **Perennial Weed**—At normal application dates in minimum tillage systems, perennial weeds may not be at
1557 the proper stage of growth for control. Use of 1.6 to 3.25 quarts of Roundup UltraMax herbicide per acre,
1558 or equivalent rates of other Roundup agricultural herbicides, in the above mixtures under these conditions
1559 provides top kill and reduces competition from many emerged perennial grasses and broadleaf weeds.
1560

1561 USE OF THIS MIXTURE FOR BERMUDAGRASS OR JOHNSONGRASS CONTROL IS NOT
1562 RECOMMENDED.

1563 **NOTE:** When using these tank mixtures, do not exceed 3.25 quarts of Roundup UltraMAX herbicide per
1564 acre.

1565 **Ammonium Sulfate**--The addition of ammonium sulfate in the spray solution may increase the
1566 performance of Roundup agricultural herbicide tank mixtures on emerged annual weeds under adverse
1567 growing conditions. When using ammonium sulfate, add 2 percent dry ammonium sulfate by weight or 17
1568 pounds per 100 gallons of water. Ammonium sulfate should be added to the water in the spray tank and
1569 completely dissolved prior to adding the herbicide or surfactant. Do not mix ammonium sulfate in fluid
1570 fertilizer solutions. The equivalent rate of ammonium sulfate in a liquid formulation may also be used.

1571 If ammonium sulfate is added directly to the spray tank, add slowly with agitation. Adding too quickly may
1572 clog outlet lines. Nozzle tip plugging may result from the use of low quality ammonium sulfate. To
1573 determine quality, perform a jar test by adding 1/3 cup of ammonium sulfate to 1 gallon of water and

1574 agitate for one minute. If undissolved sediment is observed, predissolve the ammonium sulfate in water
1575 and filter prior to adding to the spray tank.

1576 **Surfactants**--Nonionic surfactants which are labeled for use with herbicides may be used with some
1577 Roundup agricultural herbicides. Do not reduce rates of Roundup agricultural herbicides when adding
1578 surfactant. Use 0.5 percent surfactant concentration (2 quarts per 100 gallons of spray solution) when
1579 using surfactants which contain at least 50 percent active ingredient or a 1 percent surfactant
1580 concentration (4 quarts per 100 gallons of spray solution) for those surfactants containing less than 50
1581 percent active ingredient. Read and carefully observe surfactant cautionary statements and other
1582 information appearing on the surfactant label.
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1584 **GRAMOXONE EXTRA**

1585 When used as directed, Gramoxone Extra in a labeled tank mixture controls many emerged annual weeds
1586 and suppresses many emerged perennial weeds.

1587 **Broadcast Treatment**--Apply 1.5 to 3 pints of Gramoxone Extra per acre in these tank mixtures
1588 immediately before, during or after planting but BEFORE CROP EMERGENCE. Use 2 to 2.5 pints when
1589 weeds are 3 to 6 inches tall. Use 2.5 to 3 pints when weeds are 6 inches tall. This mixture may not control
1590 weeds taller than 6 inches. As density of stubble, crop residue or weeds increases, spray gallonage
1591 should be increased within the recommended range for complete coverage. Add a nonionic spreader
1592 surfactant (approved for use on crops) containing at least 75 percent surfactant active agent at 8 ounces
1593 per 100 gallons of diluted spray. REFER TO THE GRAMOXONE EXTRA LABEL FOR PRECAUTIONARY
1594 STATEMENTS.
1595

1596 **2,4-D**

1597 When used as directed, 2,4-D in labeled tank mixtures controls many emerged annual and perennial
1598 broadleaf weeds. For emerged weeds controlled, see the "WEEDS CONTROLLED" section of the label
1599 for 2,4-D.

1600 **Broadcast Treatment**--Apply 1 to 2 pints of 2,4-D (amine or low volatile ester) in these tank mixtures.
1601 Applications should be made 7 to 14 days before planting or 3 to 5 days after planting but BEFORE CORN
1602 EMERGES. As density of stubble, crop residue or weeds increase, spray gallonage should be increased
1603 within the recommended range for complete coverage.

1604 DO NOT use 2,4-D on light, sandy soils, or where soil moisture is inadequate for normal weed growth.
1605 Observe all precautions and limitations on the 2,4-D label booklet.

1606 **PREEMERGENCE WEED CONTROL**

1607 **DEGREE XTRA HERBICIDE**

1608 For weeds controlled preemergence, see the "WEEDS CONTROLLED" section of this label for DEGREE
1609 XTRA herbicide. For recommended rates of this product with tank mixtures of Roundup agricultural
1610 herbicides or Gramoxone Extra, see the following table.

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1612		BROADCAST RATE PER ACRE (PINTS)**
1613		
1614	SOIL	
1615	TEXTURAL	DEGREE XTRA
1616	GROUP*	

1617		
1618	Coarse***	2.9
1619	Medium	2.9 to 3.7
1620	Fine	3.2 to 3.7
1621		

1622 *Refer to the "SOIL TEXTURE" section of this label to determine the corresponding textural group for the
 1623 soil to be treated.

1624 **In areas of heavy weed infestation use up to 4.3 quarts per acre on medium and fine textured soils.

1625 ***Refer to the "USE RESTRICTIONS" section of this label for restrictions.

**DEGREE XTRA plus BALANCE PRO
(TANK MIXTURE)**

FOR USE IN FIELD CORN AND SILAGE CORN

APPROVED APPLICATION SYSTEMS

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 1635
 1636 **Ground – Broadcast boom; banded.**

APPROVED APPLICATION METHOD

Preemergence Surface

1641 Balance PRO is not registered in all states. Follow all Restrictions and Precautions on the Balance PRO
 1642 label including planting depth, environmental precautions, and soil type restrictions.

1643 Follow the Balance PRO Technical Bulletins, 24(c) labels and 2(ee) recommendations for additional **use**
 1644 **rate restrictions** based on soil textures and depth to groundwater in various states.

APPLICATION RATES:

BROADCAST RATE PER ACRE (quarts of Degree Xtra and ounces of Balance PRO)

SOIL TEXTURE	<3% Organic Matter		>3% Organic Matter	
	Degree Xtra (quarts)	+ Balance PRO (ounces)	Degree Xtra (quarts)	+ Balance PRO (ounces)
1657 COARSE *	2.25 to 2.9	+ 1.0 to 1.88	2.25 to 2.9	+ 1.0 to 1.88
1658 MEDIUM	2.25 to 3.7	+ 1.0 to 2.50	2.25 to 3.7	+ 1.5 to 3.00
1659 FINE	2.50 to 3.7	+ 1.5 to 2.75	2.50 to 3.7	+ 2.0 to 3.50

1660
 1661 * It is not recommended to use Balance PRO on soils with less than 1.5% organic matter.

DEGREE XTRA plus CALLISTO

**FOR POSTEMERGENCE SURFACE APPLICATIONS FOR FIELD CORN,
PRODUCTION SEED CORN AND SILAGE CORN**

APPROVED APPLICATION SYSTEMS

1671 Ground--Broadcast boom; banded

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APPROVED APPLICATION METHODS

Postemergence Surface

Callisto is not registered in all states. Follow all Restrictions and Precautions on the Callisto label including planting depth, environmental precautions, and soil type restrictions.

Do not apply to the following soils if ground water depth is 30 feet or less: sands with less than 3% organic matter; loamy sands with less than 2% organic matter; or sandy loams with less than 1% organic matter.

RECOMMENDATION

Degree Xtra may be tank mixed with 3 ounces of Callisto for postemergence applications:

- Use the labeled rates of Degree Xtra that correspond to the soil texture and organic matter.
- Broadleaf weeds should not exceed 5 inches for Callisto applications.
- Accent® Herbicide may be added for postemergence grass control. Follow the label for Accent rates and maximum grass sizes.
- Corn must be sprayed before it exceeds 11 inches in height.
- Add 2.5% (v/v) spray grade UAN (28%N) or AMS (8.5 lbs/100 gallons spray solution)
- The addition of crop oil concentrate (COC-1 gal. per 100 gal. spray solution) to Degree Xtra will aid in emerged weed control.
- DO NOT use Methylated Soybean Oil (MSO).
- DO NOT make post applications using sprayable fluid fertilizer as the carrier because severe crop injury may occur.

DEGREE XTRA HERBICIDE plus PRINCEP

For additional preemergence control of heavy weed infestations and/or hard-to-control weeds listed in the "WEEDS CONTROLLED" section of this label, refer to the following rate table to determine the recommended rates for this tank mixture on various soil types.

NOTE: LAND TREATED WITH PRINCEP SHOULD NOT BE PLANTED TO ANY CROP OTHER THAN CORN FOR ONE YEAR FOLLOWING TREATMENT AS CROP INJURY MAY OCCUR. AFTER HARVEST OF TREATED CROP, PLOW AND THOROUGHLY TILL THE SOIL IN THE FALL OR SPRING TO MINIMIZE POSSIBLE INJURY TO SPRING SEEDED ROTATIONAL CROPS.

See the following table for recommended rates of DEGREE XTRA herbicide or Princep in this tank mixture on various soil types.

BROADCAST RATE PER ACRE **		
SOIL TEXTURAL GROUP*	DEGREE XTRA (QUARTS)	+ PRINCEP 4L*** (QUARTS)
Coarse****	2.9	0.8 to 1.0
Medium	2.9 to 3.7	1.0 to 1.5
Fine	3.2 to 3.7	1.0 to 1.5

1726 *Refer to the "SOIL TEXTURE" section of this label to determine the corresponding textural
1727 group for the soil to be treated.

1728
1729 **Use the higher rates in the recommended ranges in areas of heavy weed infestation or when
1730 the organic matter content is 3 % or more.

1731
1732 ***Use rates listed in this label when using Princep 4L. Use equivalent rates when using the Princep
1733 Caliber 90 formulation. One quart of Princep 4L equals 1.1 pounds of
1734 Princep Caliber 90 .

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1736 ****Refer to the "USE RESTRICTIONS" section of this label for restrictions.

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EARLY PREPLANT APPLICATION

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

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1742 If emerged weeds are present at the time of treatment, a Roundup agricultural herbicide, Gramoxone
1743 Extra or 2,4-D should be added to this product according to the directions for use on their respective
1744 product labels. If unsatisfactory weed control occurs (due to excessively dry or excessively wet conditions)
1745 following the earlier application, a postemergence application of an appropriate labeled grass and/or
1746 broadleaf weed herbicide may be used. If a postemergence treatment includes the herbicide used early
1747 preplant, do not exceed the labeled rate for corn on a given soil texture. Observe all precautions and
1748 limitations on the labels for DEGREE XTRA herbicide, Roundup agricultural herbicides, Gramoxone Extra,
1749 2,4-D and other postemergence herbicides before use of these products.

1750 DO NOT apply tank mixture containing Roundup agricultural herbicides, Gramoxone Extra or other
1751 contact herbicides by air.

DEGREE XTRA HERBICIDE

1752
1753 This product, when applied in a single application will provide preemergence control or reduced
1754 competition of the annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of
1755 this label. If weeds are emerged at time of application, apply a labeled contact herbicide with this product.
1756 Observe the directions for use, precautions and restrictions on the label of the contact herbicide.

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APPROVED APPLICATION SYSTEMS

1759 Ground - Broadcast boom

1760
1761 Reference: The "APPLICATION SYSTEMS" section of this label provides detailed information on the
1762 application of this product using the system selected.

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RECOMMENDED RATE AND TIMING OF APPLICATION

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1766 **Single application**--Application of this product should be made less than 30 days before planting but prior
1767 to weed emergence.

1768 **NOTE:** Applications on coarse soils should not be made more than two weeks prior to planting.

1769 See the following table for recommended broadcast rates per acre for single applications.

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BROADCAST RATE PER ACRE (QUARTS) **

SOIL TEXTURAL GROUP*	DEGREE XTRA
Coarse***	2.9
Medium	2.9 to 3.7
Fine	3.2 to 3.7

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

**In areas of heavy weed infestation use up to 4.3 quarts per acre on medium and fine textured soils.

***Refer to the "USE RESTRICTIONS" section of this label for restrictions.

In order to provide broad-spectrum weed control, single 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.

Sequential application--Application of this product following Princep should be utilized for the control of fall panicum, crabgrass or broadleaf signalgrass. Apply 1 to 1.25 quarts per acre of Princep 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 product.

Following application of Princep see the following table for recommended rates.

BROADCAST RATE PER ACRE (QUARTS) **

SOIL TEXTURAL GROUP*	DEGREE XTRA
Coarse***	2.9
Medium	2.9 to 3.7
Fine	3.2 to 3.7

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

**In areas of heavy weed infestation use up to 4.3 quarts per acre on medium and fine textured soils.

***Refer to the "USE RESTRICTIONS" section of this label for restrictions.

When using the Princep Caliber 90 formulation use equivalent rates. One quart of Princep 4L equals 1.1 pounds of Princep Caliber 90.

1825 **NOTE: LAND TREATED WITH PRINCEP SHOULD NOT BE PLANTED TO ANY CROP OTHER THAN**
1826 **CORN FOR ONE YEAR FOLLOWING TREATMENT AS CROP INJURY MAY OCCUR. AFTER**
1827 **HARVEST OF TREATED CROP, PLOW AND THOROUGHLY TILL THE SOIL IN THE FALL OR**
1828 **SPRING TO MINIMIZE POSSIBLE INJURY TO SPRING SEEDING ROTATIONAL CROPS.**

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