

NOTICE OF PESTICIDE:

☒ REGISTRATION
☐ REREGISTRATION

(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

NAME OF PESTICIDE PRODUCT

Surround PC Herbicide

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

ZENECA Ag Products
P. O. Box 751
Wilmington, DE 19897

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered under section 3(c)(5) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), since you have agreed in writing to the following:

1. Your firm comply with all of the terms and conditions as stated in the Amendment to the Action Partnership (APD) letter of March 8, 1994 (see Attachment A).

2. You will submit the following data on the safener dichloromid.

- a. Two chronic feeding/oncogenicity studies by January 31, 1998.
- b. Product chemistry data for guidelines 61, 62, 63-2 through 63-6, 63-8, and 63-11, within six months from the date of this letter.
- c. A processing study on dichloromid by March 31, 1996.

3. If necessary, you will submit/cite data required for registration/reregistration of your product under FIFRA section 3(c)(5) or 4(a) when the Agency requires all registrants of similar products to submit such data.

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☐ ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE MAR 11 1994

4. You will submit production information (pounds or gallons produced) for this product for the fiscal year in which the product is conditionally registered, in accordance with FIFRA section 29. The fiscal year begins October 1 and ends September 30. The production information will be submitted to the Agency no later than November 15, following the end of the preceding fiscal year.

This information should be submitted to:

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

4. You will add the phrase "EPA Registration No. 10182-325" to your label before you release the product for shipment.

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

A stamped copy of labeling is enclosed for your records.

RESTRICTED USE PESTICIDE

Due to Oncogenicity

Use only on the crops and in the manner specified on the label, or persons under their direct supervision.

ZENECA Ag Products

SURPASS E.C.

Herbicide

Use Only on Field Corn, Production Seed Corn, Silage Corn and Popcorn

KEEP OUT OF REACH OF CHILDREN

WARNING—AVISO

If you do not understand the label, find someone to explain it to you.

ACTIVE INGREDIENT
Methyl 6-ethoxyphenylacetate
INERT INGREDIENTS
TOTAL
2.4 pounds active ingredient per gallon
EPA Reg. No. 10182-2
EPA Reg. No. 10182-NB

70
25
100

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ACCEPTED

Under the Federal Insecticide, Fungicide, and Plant Disease Act, as amended, for the following stated uses:
EPA Reg. No. 10182-25

BEST AVAILABLE

Surpass®

Herbicide



ACTIVE INGREDIENT:

Acetochlor

2-chloro-2'-methyl-6'-ethyl-

N-ethoxymethylacetanilide

70.87%

INERT INGREDIENTS:

29.13%

TOTAL

100.00%

Contains 6.4 pounds active ingredient per gallon

EPA Reg. No. 10182-325

EPA Est. No. 10182-NB-1

KEEP OUT OF REACH OF CHILDREN

WARNING

STATEMENT OF PRACTICAL TREATMENT

FIRST AID: Immediately start the procedures below. If further treatment is required, contact a Poison Control Center, a physician or the nearest hospital.

IF ON SKIN: Wash immediately with plenty of soap and water. Remove contaminated clothing and wash before reuse. Get medical attention if irritation occurs.

IF IN EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Have eyes examined by medical personnel.

IF SWALLOWED: Immediately give several glasses of water but do not induce vomiting. If vomiting occurs, give fluids again. Have a physician determine if condition of patient will permit induction of vomiting or evacuation of stomach. Do not give anything by mouth to an unconscious or convulsing person.

IF INHALED: Remove victim to fresh air. Get medical attention if respiratory irritation occurs or if breathing becomes difficult.

FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE, CALL 1-800-F-A-S-T-M-E-D (327-8633).

FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

CAUSES SKIN AND EYE IRRITATION. HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. Do not get on skin, in eyes, or on clothing. Avoid breathing spray mist.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Waterproof gloves.
- Chemical-resistant footwear plus socks.
- Protective eyewear.
- Chemical-resistant headgear for overhead exposure.
- Chemical-resistant apron when cleaning equipment, mixing, or loading.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides, use the

CONDITIONS OF SALE AND LIMITATION OF WARRANTY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Warranty and Liability before buying or using this product. The product at once, unopened, and the purchase price.

The Directions for Use of this product should be followed. All risks inherently associated with the use of this product, including unintended consequences may result because of such factors as weather or crop conditions, presence of other materials of the product, which are beyond the control of ZENECA, assumed by Buyer and User, and Buyer and User agree for any claims relating to such factors.

ZENECA warrants that this product conforms to the characteristics reasonably fit for the purposes stated in the Directions referred to above, when used in accordance with directions. This warranty does not extend to the use of this product contrary to the directions or under conditions not reasonably foreseeable by ZENECA, and Buyer and User assume the risk of any failure. **NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXIST.** In no event shall ZENECA or Seller be liable for any losses resulting from the use or handling of this product. **USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF ZENECA AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES, INCLUDING BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, OR OTHERWISE, RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RESPONSIBILITY OF THE USER OR BUYER. RETURN OF THE PURCHASE PRICE OF THE PRODUCT, ZENECA OR SELLER, THE REPLACEMENT OF THE PRODUCT, ZENECA AND SELLER OFFER THIS PRODUCT, AND BUYER AND USER, THE CONDITIONS OF SALE AND LIMITATIONS OF WARRANTY OF LIABILITY, AND A WRITTEN AGREEMENT SIGNED BY A DULY AUTHORIZED REPRESENTATIVE OF ZENECA.**

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Refer to label booklet attached to container for complete directions. Do not apply this product in a way that will contact workers through drift. Only protected handlers may be in the area when this product is being applied. For more information, specific to your State or Tribe, consult the agency.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and 40 CFR part 170. Refer to supplemental labeling (i.e., "Agricultural Use Requirements") in the DIRECTIONS FOR USE of this standard.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food or feed. Storage and disposal is prohibited. Do not reuse empty container.

STORAGE: Store in original container only. Keep container

Contains 6.4 pounds active ingredient per gallon

EPA Reg. No. 10182-325

EPA Est. No. 10162-NB-1

KEEP OUT OF REACH OF CHILDREN

WARNING

STATEMENT OF PRACTICAL TREATMENT

FIRST AID: Immediately start the procedures below. If further treatment is required, contact a Poison Control Center, a physician or the nearest hospital.

IF ON SKIN: Wash immediately with plenty of soap and water. Remove contaminated clothing and wash before reuse. Get medical attention if irritation occurs.

IF IN EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Have eyes examined by medical personnel.

IF SWALLOWED: Immediately give several glasses of water but do not induce vomiting. If vomiting occurs, give fluids again. Have a physician determine if condition of patient will permit induction of vomiting or evacuation of stomach. Do not give anything by mouth to an unconscious or convulsing person.

IF INHALED: Remove victim to fresh air. Get medical attention if respiratory irritation occurs or if breathing becomes difficult.

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FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC
1-800-424-9300.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

CAUSES SKIN AND EYE IRRITATION. HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. Do not get on skin, in eyes, or on clothing. Avoid breathing spray mist.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Waterproof gloves.
- Chemical-resistant footwear plus socks.
- Protective eyewear.
- Chemical-resistant headgear for overhead exposure.
- Chemical-resistant apron when cleaning equipment, mixing, or loading.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d)(4-6)), the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

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.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

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

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

PHYSICAL AND CHEMICAL HAZARDS

The product is toxic, unperfected, and the purchase price will be refunded.

The Directions for Use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of ZENECA or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold ZENECA and Seller harmless for any claims relating to such factors.

ZENECA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or ZENECA, and Buyer and User assume the risk of any such use. ZENECA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

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

ZENECA and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty of liability, which may not be modified except by written agreement signed by a duly authorized representative of ZENECA.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with this labeling. Refer to label booklet attached to container for complete directions for use.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling (i.e., attached booklet) under "AGRICULTURAL USE REQUIREMENTS" in the DIRECTIONS FOR USE section for information about this standard.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

STORAGE: Store in original container only. Keep container closed when not in use. Do not store near food or feed. In case of spill or leak on floor or paved surfaces, soak up with vermiculite, earth or synthetic absorbent.

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

CONTAINER DISPOSAL: Triple rinse (or equivalent); then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

SURPASS® is a trademark of ZENECA Group Companies.
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Made in U.S.A.

ZENECA Ag Products

ZENECA Inc.

SURPASS® EC Herbicide

For Use Only on Field Corn, Production Seed Corn, Silage Corn and Popcorn

ACCEPTED
with COMMENTS
in EPA Letter Dated:

COMPLETE DIRECTIONS FOR USE

BEST AVAILABLE COPY

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

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

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

The Directions for Use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of ZENECA or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold ZENECA and Seller harmless for any claims relating to such factors.

ZENECA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or ZENECA, and Buyer and User assume the risk of any such use. ZENECA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

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

ZENECA and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by a duly authorized representative of ZENECA.

Made in U.S.A.
ZENECA Ag Products
ZENECA Inc.
Wilmington, DE 19897

Table of Contents

| | <u>Page</u> |
|-------------------------------------------------|-------------|
| STATEMENT OF PRACTICAL TREATMENT | |
| PRECAUTIONARY STATEMENTS | |
| HAZARDS TO HUMANS AND DOMESTIC ANIMALS | |
| PERSONAL PROTECTIVE EQUIPMENT | |
| ENVIRONMENTAL HAZARDS | |
| PHYSICAL AND CHEMICAL HAZARDS | |
| GENERAL INFORMATION | |
| GENERAL USE PRECAUTIONS | |
| DIRECTIONS FOR USE | |
| AGRICULTURAL USE REQUIREMENTS | |
| STORAGE AND DISPOSAL | |
| GENERAL APPLICATION DIRECTIONS | |
| CARRIERS | |
| Liquids | |
| Dry Bulk Fertilizer | |
| ADDING TO SPRAY TANK | |
| Used alone | |
| Tankmixed | |
| VOLUME | |
| Liquid | |
| Dry Bulk Fertilizer | |
| PRESSURE | |
| APPLICATION TIMING AND METHODS | |
| Early Preplant | |
| Preplant Incorporation | |
| Preemergence Surface | |
| Postplant-Preemergence | |
| Banding-Preemergence | |
| Sprinkler Irrigation | |
| Center Pivot Sprinkler | |
| USE PRECAUTIONS | |
| PLANTING | |
| CULTIVATION | |
| SOIL TEXTURE AND ORGANIC MATTER | |
| USE RATES IN CONVENTIONAL TILLAGE SYSTEMS | |
| Organic Matter | |
| Weed Infestation | |
| USE RATES FOR REDUCED AND NO-TILL SYSTEMS | |
| BAND APPLICATIONS | |
| WEEDS CONTROLLED | |
| TANKMIX COMBINATION | |
| SURPASS EC & Atrazine, Bladex, or Banvel | |

ADDITIONAL TANKMIX COMBINATIONS
SEQUENTIAL APPLICATIONS
SURPASS EC & GRAMOXONE EXTRA or Roundup

PHYSICAL DATA

APPENDIX I
Procedure for Testing the Compatibility of SURPASS EC and Tankmixes with Fluid
Fertilizers MATERIALS NEEDED
 PROCEDURE
 EVALUATION

APPENDIX II
Dry Bulk Fertilizer Impregnation

KEEP OUT OF REACH OF CHILDREN

WARNING - AVISO

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

ACTIVE INGREDIENT:

Acetochlor

2-chloro-2'-methyl-6'-ethyl-N-ethoxymethylacetanilide 70.87%

INERT INGREDIENTS: 29.13%

TOTAL 100.00%

Contains 6.4 pounds active ingredient per gallon

EPA REG. NO. 10182-

STATEMENT OF PRACTICAL TREATMENT

FIRST AID: Immediately start the procedures below. If further treatment is required, contact a Poison Control Center, a physician or the nearest hospital.

IF ON SKIN: Wash immediately with plenty of soap and water. Remove contaminated clothing and wash before reuse. Get medical attention if irritation occurs.

IF IN EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Have eyes examined by medical personnel.

IF SWALLOWED: Immediately give several glasses of water but do not induce vomiting. If vomiting occurs, give fluids again. Have a physician determine if condition of patient will permit induction of vomiting or evacuation of stomach. Do not give anything by mouth to an unconscious or convulsing person.

IF INHALED: Remove victim to fresh air. Get medical attention if respiratory irritation occurs or if breathing becomes difficult.

FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE, CALL 1-800-F-A-S-T-M-E-D (327-8633).

**FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call
CHEMTREC
1-800-424-9300.**

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

CAUSES SKIN AND EYE IRRITATION. HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. Do not get on skin, in eyes, or on clothing. Avoid breathing spray mist.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Waterproof gloves.
- Chemical-resistant footwear plus socks.
- Protective eyewear.
- Chemical-resistant headgear for overhead exposure.
- Chemical-resistant apron when cleaning equipment, mixing, or loading.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

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.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

This chemical demonstrates the properties and characteristics associated with chemicals detected in 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.

PHYSICAL AND CHEMICAL HAZARDS

Do not use or store near heat or open flames.

BEST AVAILABLE COPY

GENERAL INFORMATION

For use only on field corn, production seed corn, silage corn and popcorn. Corn in this label refers to all four types: field corn, production seed corn, silage corn and popcorn.

SURPASS® EC is a unique combination of the herbicide acetochlor and the antidote or safener dichlormid. While the acetochlor provides weed control the dichlormid safens corn against herbicide injury. SURPASS EC may be applied to the surface or incorporated into the top 1-2 inch layer of soil. It is recommended for control alone, or in tankmix combinations as indicated, for the weeds listed in the "TARGET WEEDS" section of these use directions. SURPASS EC controls weeds by interfering with normal germination and seedling development. SURPASS EC will not control established or germinated weeds present at application.

USE RESTRICTIONS

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- Do not apply to coarse soils classified as sands with less than 3% organic matter (as determined by soil tests, if not known) where depth to groundwater is 30 feet or less.
- This product may not be mixed or loaded within 50 feet of any wells (including abandoned wells and drainage wells), sink holes, perennial or intermittent streams and rivers, and natural or impounded lakes and reservoirs. This setback does not apply to properly capped or plugged abandoned wells and does not apply to impervious pad or properly diked mixing/loading areas.
- Operations that involve mixing, loading, rinsing, or washing of this product into or from pesticide handling or application equipment or containers within 50 feet of any well are prohibited unless conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be positioned on or moved across the pad. Such a pad shall be designed and maintained to contain any product spills or equipment leaks, container or equipment rinse or washwater, and rainwater that may fall on the pad. Surface water shall not be allowed to either flow over or from the pad, which means the pad must be self contained. The pad shall be sloped to facilitate material removal. An unroofed pad shall be of sufficient capacity to contain at a minimum 110% of the capacity of the largest pesticide container or application equipment on the pad. A pad that is covered by a roof of sufficient size to completely exclude precipitation from contact with the pad shall have a minimum containment capacity of 100% of the capacity of the largest pesticide container or application equipment on the pad. Containment capacities as described above shall be maintained at all times. The above specified minimum containment capacities do not apply to vehicles when delivering pesticide shipments to the mixing/loading site. States may have in effect additional requirements regarding wellhead setbacks and operational containment.
- Do not apply this product through any type of irrigation system.

- Do not use flood irrigation to apply or incorporate this product.
- Product must be used in a manner which will prevent back siphoning in wells, spills or improper disposal of excess pesticide, spray mixtures or rinsates.
- Do not apply under conditions which favor runoff or wind erosion of soil containing this product to non-target areas. To prevent off-site movement due to runoff or wind erosion:
 - Avoid treating powdery dry or light sandy soils when conditions are favorable for wind erosion. Under these conditions, the soil surface must first be settled by rainfall or irrigation.
 - Do not apply to impervious substrates such as paved or highly compacted surfaces or frozen or snow covered soils.
 - Do not use tailwater from the first flood or furrow irrigation of treated fields to treat non-target crops unless at least ½ inch of rainfall has occurred between application and the first irrigation.
- Do not apply this product using aerial application equipment.
- Do not apply when wind conditions favor drift to non-target sites. To minimize spray drift to non-target areas:
 - Use low pressure application equipment capable of producing a large droplet spray.
 - Do not use nozzles that product a fine droplet spray.
 - Minimize drift by using sufficient spray volume to ensure adequate coverage with large droplet size sprays.
 - Keep ground-driven spray boom as low as possible above the target surface.
 - Make application when the wind velocity favors on-target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph. Avoid application when gusts approach 15 mph.
- Low humidity and high temperatures increase the likelihood of spray drift to sensitive areas. Avoid spraying during conditions of low humidity and/or high temperatures. Do not apply during inversion conditions.

GENERAL USE PRECAUTIONS

Read all label directions before using.

BEST AVAILABLE COPY

- Do not use SURPASS EC on any crop other than corn.
- Do not allow SURPASS EC to contaminate feed or food.
- SURPASS EC should not be stored near seeds or fertilizers.
- All containers of SURPASS EC should be kept tightly closed when not in use.
- Do not overdose or use rates higher than specified on this label.
- If crop treated with SURPASS EC is lost, corn may be replanted immediately. Do not make a second application of SURPASS EC.
- ROTATIONAL CROPS: Soybeans or corn may be planted 12 months after application.
- Do not rotate to crops other than soybeans or corn.

DIRECTIONS FOR USE

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

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

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 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.
 - Waterproof gloves.
 - Chemical-resistant footwear plus socks.
 - Protective eyewear.
 - Chemical-resistant headgear for overhead exposure.
-

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

STORAGE: Store in original container only. Keep container closed when not in use. Do not store near food or feed. In case of spill or leak on floor or paved surfaces, soak up with vermiculite, earth or synthetic absorbent.

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

CONTAINER DISPOSAL:

Metal Containers: Triple rinse (or equivalent); then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

Plastic Containers: Triple rinse (or equivalent); then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

GENERAL APPLICATION DIRECTIONS

CARRIERS

Liquids: Either water or liquid fertilizers such as solutions, slurries or suspensions may be used as liquid carriers. If fluid fertilizers are used, a physical compatibility with these must be done before combining in the spray tank. See Appendix I for details of the compatibility testing procedure. Even if SURPASS EC is physically compatible with a fluid fertilizer, constant agitation is necessary to maintain a uniform mixture during application.

Dry Bulk Fertilizer: SURPASS EC may be impregnated on dry bulk fertilizer and applied as the fertilizer is spread. See Appendix II for details including which fertilizers are compatible.

ADDING TO SPRAY TANK

The spray tank must be clean, thoroughly rinsed and decontaminated before adding either SURPASS EC alone or in tankmix combinations. If water is used as the carrier, use clean water.

Used Alone: If SURPASS EC is used alone, add the recommended amount to the spray tank before the tank is half filled. The addition of the remaining water or fluid fertilizer carrier can aid in the thorough agitation and mixing of the spray solution.

Tankmixed: If a tankmixture is used it is recommended that a small scale test of compatibility be done before actual tankmixing. See Appendix I for details on the procedure for such a test.

Once compatibility is confirmed for the tankmix, fill the tank half full. Start and continue agitation throughout mixing. All return lines to the spray tank must discharge below the liquid level. Add the tankmix components in the following order:

- Mix and disperse wettable powders or dry flowables first. Premix wettable powders or dry flowables in a little water in a pail or bucket before adding to the spray tank to improve the compatibility of the final tankmix. Thoroughly disperse them in the tank before adding SURPASS EC.
- Add SURPASS EC to the tank last.
- Finish filling spray tank with liquid carrier while at the same time providing agitation.
- Tankmix combinations should not be left in the spray tank for prolonged periods as settling may occur. Batches should be mixed and applied the same day.

VOLUME

Liquid: Use a minimum of 10 gallons in broadcast boom equipment for ground applications.

Dry Bulk Fertilizer: Use at least 200 pounds of dry bulk fertilizer per acre. See Appendix II for more details.

PRESSURE

If liquid carriers are used, the pressure at the nozzle should be 15 to 40 psi to ensure good distribution of the spray pattern. Consult spray tip manufacturer's recommendation on appropriate pressure for the nozzles you are using.

APPLICATION TIMING AND METHODS

In reduced or no-till systems, a burndown herbicide such as GRAMOXONE® EXTRA or Roundup® may be tankmixed with SURPASS EC if emerged weeds are present at the time of application.

Early Preplant: SURPASS EC and certain tank mixtures may be applied up to 30 days before planting.

Preplant Incorporation: SURPASS EC and certain tankmixes may be mechanically incorporated in the top 2 inches of the soil by mechanical means such as field cultivators, finishing discs, rotary hoes, spring tooth harrows, or power driven cultivation equipment. Do not apply more than 14 days before planting. Improper incorporation, excessive crop residues, or poor soil tilth may result in erratic, streaked

or otherwise unsatisfactory weed control. If two passes are used to incorporate SURPASS EC, the second pass should be shallower and at an angle to the first pass.

Preemergence Surface: SURPASS EC and certain tankmixes may be applied to the soil surface as a broadcast or banded application. Existing soil moisture, irrigation or rain is necessary to bring SURPASS EC into contact with germinating seeds. If rain or sprinkler irrigation does not occur within 7 days after application, weed control may be improved by using a rotary hoe, or similar device, to incorporate the herbicide. Care should be taken not to remove SURPASS EC from the weed control zone such as the band. The device used should be run at a shallow depth to prevent disturbing the corn seed.

Postplant-Preemergence: SURPASS EC and certain tankmixes may be applied immediately after planting but prior to corn emergence. SURPASS EC should not be applied to emerged corn. If rain or sprinkler irrigation does not occur within 7 days after application, weed control may be improved by using a rotary hoe, or similar device, to incorporate the herbicide. Care should be taken not to remove SURPASS EC from the weed control zone. The device used should be run at a shallow depth to prevent disturbing the germinating corn.

Banding-Preemergence: SURPASS EC and certain tank mixtures may be applied in a 10 to 14 inch band after corn planting but prior to corn emergence. If rain or sprinkler irrigation does not occur within 7 days after application, weed control may be improved by using a rotary hoe or similar device to incorporate the herbicide. Be careful not to move SURPASS EC from the band or dilute it with untreated soil. Do not disturb the germinating corn.

Sprinkler Irrigation: Do not apply SURPASS EC by sprinkler irrigation. Use a sprinkler system only to incorporate SURPASS EC after applying by ground equipment. After SURPASS EC has been applied, a sprinkler irrigation system set to deliver $\frac{1}{4}$ to $\frac{3}{4}$ inches of water per acre may be used to activate the product. Using more than $\frac{3}{4}$ inches of water could result in reduced performance. On sandy soil low in organic matter, use no more than $\frac{1}{2}$ inch of water. Do not use flood irrigation to apply or activate SURPASS EC.

PLANTING

Planting should be done within 30 days of application of SURPASS EC. This allows SURPASS EC to provide effective weed control during the time it is most critical in the production of corn. Applications of SURPASS EC can be made after planting but prior to emergence.

CULTIVATION

If rotary hoeing is necessary due to soil crusting or compaction, adjust equipment to run shallow and minimize soil movement. This will decrease the possibility of diluting

or moving the herbicide from the weed control zone. Should weeds develop, a shallow cultivation or rotary hoeing will generally result in improved weed control.

SOIL TEXTURE AND ORGANIC MATTER

The soils are grouped into three classes, coarse, medium and fine. Once the soil type has been determined, the texture group can be found in the Table 1.

TABLE 1
Soil Texture Groupings for SURPASS EC Use Rate Selection.

| Coarse | Medium | Fine |
|---------------|-----------------|-----------------|
| Sand | Loam | Silty Clay Loam |
| Loamy Sand | Silt | Silty Clay |
| Sandy Loam | Silt Loam | Sandy Clay |
| | Sandy Clay Loam | Clay Loam |
| | | Clay |

The soil texture and organic matter of the field on which the application is to be made must be known prior to application to select the correct rate. The use rate of SURPASS EC is determined by a combination of these two factors.

USE RATES IN CONVENTIONAL TILLAGE SYSTEMS

The soil texture and organic matter level of the field on which SURPASS EC is to be applied should be determined prior to selecting the rate from Table 2.

TABLE 2
SURPASS EC Use Rates by Soil Texture and Organic Matter Content
in Conventional Tillage Systems. Rates are in Pints per acre.

| SOIL TEXTURE | SOIL ORGANIC MATTER CONTENT | | |
|-----------------|-----------------------------|------------------|-----------------|
| | Less than 3% | 3% or Greater | > 7% |
| Coarse | 1 - 2½ pts. | 1½ - 2½ pts. | 2 - 3 pts. |
| Medium | 1½ - 2½ pts. | 1½ - 2½ pts. | 2½ - 3¾ pts. |
| Fine | 1½ - 2¾ pts. | 2 - 3 pts. | 3 - 3¾ pts. |

These rates are for applications from 2 weeks before planting until emergence of the corn. Use Table 3 if applications are made more than 2 weeks prior to planting.

Organic Matter: If the organic matter content of the soil is at the lower end of the range, use the lower rates in the rate range given in Table 2. If the organic matter content is at the upper end of the range, use the higher rates given in the rate range.

Weed Infestation: If the weed infestation is light, use a rate at the lower end of the rate range for the soil texture and organic matter content. If the weed infestation is heavier, use the higher rates in the rate range for the soil texture and organic matter.

USE RATES FOR REDUCED AND NO-TILL SYSTEMS

SURPASS EC may be used in reduced and no-till systems. Application can take place from up to 30 days prior to planting or after planting but before the corn emerges. The highest levels of control will be obtained when applications are made as close to planting as possible but before the weeds emerge. Apply a residual herbicide like AAtrex®, Bladex®, or Extrazine® with SURPASS EC in reduced or no-till systems. If weeds are present at application, a burndown herbicide like GRAMOXONE EXTRA or Roundup may be added to the tank mixture.

TABLE 3
SURPASS EC Use Rates by Soil Texture and Organic Matter Content
in Reduced and No-Till Systems. Rates are in plnts per acre.

| SOIL TEXTUR E | SOIL ORGANIC MATTER CONTENT | | |
|---------------------|-----------------------------|------------------|-----------------|
| | Less than 3% | 3% or Greater | > 7% |
| Coarse | 2 pts. | 2 pts. | 2 - 3 pts. |
| Medium | 2 - 2½ pts. | 2½ pts. | 2½ - 3¾ pts. |
| Fine | 3 pts. | 3 pts. | 3 - 3¾ pts. |

BAND APPLICATIONS

For band applications, using row and band width measurements in inches, calculate the amount to be applied per acre as follows:

$$\frac{\text{Band width in inches}}{\text{Row width in inches}} \times \text{Rate per acre for a broadcast treatment} = \text{Amount needed for a band treatment}$$

WEEDS CONTROLLED:

SURPASS EC applied as directed in this label will provide control or partial control (reduce competition) of the weeds listed in Table 3. Partially controlled weeds will be severely stunted, or experience reduced height, vigor, or population compared to untreated areas. Depending on the infestation level or density, a follow-up treatment may be needed to provide complete control.

Additional weeds may be controlled with certain tankmixes. See the "Tank Mix Combinations" section for recommended tankmix combinations and the additional weeds controlled. Always consult the tankmix product labels for specific rates and use directions. Always follow the most restrictive label when tankmixing SURPASS EC with another product.

TABLE 4
Weeds Controlled or Partially Controlled by SURPASS EC at Recommended Use Rates.

| COMMON NAMES | WEED TYPE ¹ | SCIENTIFIC NAME | C = CONTROL PC = PARTIAL CONTROL |
|-----------------------|------------------------|---------------------------------|----------------------------------------|
| Black nightshade | B | <i>Solanum nigrum</i> | C |
| Carpetweed | B | <i>Mollugo verticillata</i> | C |
| Common ragweed | B | <i>Ambrosia elatior</i> | C |
| Florida beggarweed | B | <i>Desmodium tortuosum</i> | PC |
| Florida pusley | B | <i>Richardia scabra</i> | C |
| Galinsoga | B | <i>Galinsoga parviflora</i> | C |
| Hairy nightshade | B | <i>Solanum sarachoides</i> | C |
| Kochia | B | <i>Kochia scoparia</i> | C ³ |
| Lambsquarters, common | B | <i>Chenopodium album</i> | C ³ |
| Pigweed | B | <i>Amaranthus</i> spp. | C |
| Prickly sida | B | <i>Sida spinosa</i> | PC |
| Purslane, common | B | <i>Portulaca oleracea</i> | C |
| Smartweed spp. | B | <i>Polygonum</i> spp | PC |
| Tall waterhemp | B | <i>Amaranthus tuberculatos</i> | C |
| Barnyardgrass | G | <i>Echinochloa crus-galli</i> | C |
| Bristly foxtail | G | <i>Setaria verticillata</i> | C |
| Broadleaf signalgrass | G | <i>Bracharia platyphylla</i> | C |
| Browntop panicum | G | <i>Panicum fasciculatum</i> | C |
| Crabgrass | G | <i>Digitaria</i> spp | C |
| Crowfootgrass | G | <i>Dactyloctenium aegyptium</i> | C |
| Fall panicum | G | <i>Panicum dichotomiflorum</i> | C |
| Field sandbur | G | <i>Cenchrus pauciflorus</i> | PC |

| COMMON NAMES | WEED TYPE ¹ | SCIENTIFIC NAME | C = CONTROL PC = PARTIAL CONTROL |
|--------------------------------|------------------------|------------------------------|----------------------------------------|
| Foxtail millet | G | <i>Setaria italica</i> | C |
| Giant foxtail | G | <i>Setaria faberi</i> | C |
| Goosegrass | G | <i>Eleusine indica</i> | C |
| Green foxtail | G | <i>Setaria viridis</i> | C |
| Prairie cupgrass | G | <i>Eriochloa contracta</i> | C |
| Red rice | G | <i>Oryza sativa</i> | C |
| Red sprangletop | G | <i>Leptochloa filiformis</i> | C |
| Robust foxtail (purple, white) | G | <i>Setaria</i> spp. | C |
| Seedling johnsongrass | G | <i>Sorghum halepense</i> | PC |
| Shattercane | G | <i>Sorghum vulgare</i> | PC |
| Southern sandbur | G | <i>Cenchrus echinatus</i> | C |
| Southwestern cupgrass | G | <i>Eriochloa gracilis</i> | C |
| Texas panicum | G | <i>Panicum texanum</i> | C |
| Wild proso millet | G | <i>Panicum miliaceum</i> | PC |
| Witchgrass | G | <i>Panicum capillare</i> | C |
| Woolly cupgrass | G | <i>Eriochloa villosa</i> | PC |
| Yellow foxtail | G | <i>Setaria lutescens</i> | C |
| Yellow nutsedge ² | S | <i>Cyperus esculentus</i> | C |

¹ B=Broadleaf, G=Grass, S=Sedge

² Yellow nutsedge requires a minimum of 2½ pints. Incorporation will improve control.

³ Light to moderate infestations will be controlled. Heavy infestations may require a tank mixture or sequential herbicide.

TANKMIX COMBINATIONS

Tankmix combinations may be used in either conventional, reduced or no-till systems and be applied by the same methods and at the same timings as SURPASS EC unless otherwise specified in the tankmix product label. Three way or multiple tankmixtures are allowed if not restricted by the respective product labels. Check all tankmix product labels for proper rates for 3 way or multiple tankmixes.

SURPASS EC & ATRAZINE, BLADEX OR BANVEL®:

Check the atrazine label, county extension office, or state university for the recommended use rate in your area. SURPASS EC is more active on broadleaf weeds and atrazine rates can be reduced up to 30% while maintaining control of target broadleaf weeds.

Tankmixtures with atrazine will increase the spectrum of weeds controlled. Where AAtrex® formulations have been specified other brands of atrazine may be used. Read and follow all atrazine label directions and restrictions. Table 5 provides a list of the weeds controlled or partially controlled by atrazine or Bladex in combination with SURPASS EC.

Use Banvel tank mixture on flat-planted field corn (no furrows) in IL, IN, IA, MN, NE, OH, SD, and WI ONLY to control the weeds listed in Table 5. Read and follow all precautions and directions for use on the Banvel label.

Apply SURPASS EC + Banvel preemergence. Tankmix 1 pt/acre Banvel with the recommended rate of SURPASS for medium or fine textured soils. Do not apply this tankmix on coarse textured soils with less than 2% organic matter.

TABLE 5
Weeds Controlled (C) or Partially Controlled (PC) by atrazine or Bladex

| COMMON NAME | WEED TYPE* | ATRAZINE | BLADEX | BANVEL |
|-------------------|------------|----------|--------|--------|
| Momingglory spp. | B | C | C | PC |
| Cocklebur | B | C | PC | PC |
| Groundcherry spp. | B | C | -- | -- |
| Jimsonweed | B | C | C | PC |
| Kochia | B | C | C | -- |
| Mustards | B | C | C | C |
| Giant Ragweed | B | C | C | C |
| Sicklepod | B | C | C | PC |

| | | | | |
|------------|---|---|----|----|
| Velvetleaf | B | C | PC | PC |
|------------|---|---|----|----|

* B=Broadleaf, G=Grass

Caution: Following many years of continuous use of atrazine and chemically related products, biotypes of some of the weeds listed above have been reported which cannot be effectively controlled by atrazine and related herbicides. Where this is known or suspected and weeds controlled by atrazine are expected to be present along with resistant biotypes, it is recommended that atrazine be used in combinations or in sequence with other registered herbicides which are not triazines. If only resistant biotypes are expected to be present, use a registered non-triazine herbicide.

In certain atrazine management areas, atrazine rates are further restricted due to potential groundwater or surface water contamination. If rates in this table exceed the rate of application allowed in your area - use the lower rate. Consult your county extension office or state university for further information.

SURPASS EC ADDITIONAL TANKMIX COMBINATIONS

| TANK MIXES | RATE (MAX) | COMMENTS |
|---------------------------------------|-----------------|----------------------------------------------------------------------------------------|
| Extrazine | 3 qts/acre | - mixture of Bladex and atrazine |
| Prowl® | 1 qt/acre | - triazine resistant weeds - velvetleaf - preemergence only |
| ERADICANE® 6.7-E OR SUTAN® + 6.7-E | 4 - 5 pts/acre | - tankmix with 1 pint SURPASS EC - improved grass control - must be incorporated |
| Lorox® DF | 1 lb/acre | - enhanced lambsquarter and pigweed control |
| Princep® 4L | 1 qt/acre | - improved crabgrass or fall panicum control |
| AMBUSH 2E | 12.8 fl oz/acre | - cutworm control |
| Pursuit® | 4 oz/acre | - tolerant corn hybrids required |
| GRAMOXONE EXTRA | 3 pts/acre | - controls emerged annuals, suppresses perennials |
| Roundup | 4 qts/acre | - controls annuals and some perennials |

SEQUENTIAL APPLICATIONS

Sequential herbicide applications may be used to control weeds which escape control. The following herbicides may be used prior to or following a SURPASS EC application. Consult the product label for directions for use and precautions.

- 2,4-D
- Clarity, Marksman[®]
- Buctril[®], Buctril/Atrazine
- Laddock[®], Basagran[®]
- Accent[®], Beacon[®]
- Pursuit

SURPASS EC & GRAMOXONE EXTRA OR ROUNDUP

In reduced or no-till corn, GRAMOXONE EXTRA or Roundup will burndown existing weeds. GRAMOXONE EXTRA should be applied to emerged weeds when they are small. Weeds 1 to 6 inches in height are the easiest to control. Large weeds may be more difficult to control. Tankmixes with atrazine and Bladex will often aid in control of difficult weeds. Consult the product label for further information on weeds controlled.

GRAMOXONE EXTRA is a RESTRICTED USE pesticide. Refer to the GRAMOXONE EXTRA label for rates, directions, precautions, and limitations relative to its use.

SURPASS EC PHYSICAL DATA

- Specific gravity: 1.086 @ 20/20°C
- Flashpoint: 204°F (Setaflash closed cup)

APPENDIX I

Procedure for Testing the Compatibility of SURPASS EC and Tankmixes with Fluid Fertilizers.

Since fluid fertilizers vary, the following procedure is suggested for determining whether SURPASS EC may be combined with a specific fluid fertilizer for spray tank application.

MATERIALS NEEDED:

- SURPASS EC and any tankmix products.
- Fluid fertilizer to be used.
- Adjuvant for fertilizer tankmix: Compex*, Sponto* 168-D, Unite*, or equivalent. The adjuvant which provides the best emulsification depends on the specific fertilizer under consideration.
- Two 1 quart, wide mouth glass jars with lid or stopper.
- Measuring spoons (a 25 mL pipette or graduated cylinder provides more accurate measurement).
- Measuring cup, 8 ounces (257 mL).

*Compex, Kalo Laboratories Inc. Kansas City, MO; Sponto 168-D, Witco Chemical Company, Houston, TX; Unite, Hopkins Agricultural Chemical Co., Madison, WI.

PROCEDURE:

1. Pour a pint (about 473 mL) of the fluid fertilizer into each of the quart jars.
2. Add ½ teaspoon (2 mL) adjuvant to one of the jars, label it as "with", and mix. The rate of ½ teaspoon per pint is equal to 3 pints of adjuvant per 100 gallons of fluid fertilizer.
3. Add SURPASS EC and any tankmix combination to the jars. The order of addition is wettable powders first with mixing, followed by flowables with mixing and the EC's last. The rate of wettable powders and dry flowables is 1½ teaspoon per pound of product per acre to be applied. EC's should be added at the rate of ½ teaspoon for each pint per acre to be applied. Premixing the wettable powders in 1 ounce of water before adding to the pint of fluid fertilizer will improve the compatibility of the final mixture.
4. Close both jars with lids or stoppers and mix the contents by turning the jars upside down ten times.
5. Inspect the surface and body of the mixtures-
 - (a) Immediately after completing the jar inversions.
 - (b) After allowing the jars to stand quietly for 30 minutes.
 - (c) And then again after turning the jars upside down 10 times after the 30 minute inspection.

EVALUATION:

If a uniform mix cannot be made, the mixture should not be used. If either mixture remains uniform for 30 minutes, the combination may be used. Should either mixture separate after 30 minutes, but readily remix uniformly with 10 jar inversions, the mixture can be used if adequate agitation is maintained in the tank. If the mixture with adjuvant is satisfactory but the one without adjuvant is not, be sure to use the adjuvant in the spray tank. Add the adjuvant first at a rate of 3 pints per 100 gallons of fluid fertilizer. Foaming may be minimized by using moderate agitation. If nondispersible oil, sludge, or clumps of solids form in the mixtures, the combination should not be used.

APPENDIX II

Dry Bulk Fertilizer Impregnation

All individual state regulations relating to dry bulk fertilizer blending, registration, labeling and application are the responsibility of the individual and/or company selling the SURPASS EC, SURPASS EC plus atrazine, or SURPASS EC plus Bladex fertilizer mixtures.

When applying SURPASS EC alone or in tankmixes with dry bulk fertilizers, follow all directions for use and precautions on the respective tankmix product labels regarding rates, soil texture, application methods and rotational restrictions.

TABLE 12
Approved Dry Fertilizer Ingredients for Use with SURPASS EC¹.

| FERTILIZER | N | P | K |
|----------------------------|----|----|----|
| Ammonium Phosphate-Sulfate | 16 | 20 | 0 |
| Ammonium Sulfate | 21 | 0 | 0 |
| Diammonium Phosphate | 18 | 46 | 0 |
| Monoammonium Phosphate | 11 | 56 | 0 |
| Potassium Chloride | 0 | 0 | 60 |
| Potassium Sulfate | 0 | 0 | 52 |
| Single Superphosphate | 0 | 20 | 0 |
| Treble Superphosphate | 0 | 46 | 0 |
| Urea ² | 45 | 0 | 0 |

¹ Do not impregnate on fertilizers containing ammonium nitrate, potassium nitrate, or sodium nitrate.

² Some Ureas may be phytotoxic when high rates are applied to corn. Use only urea rates known to be safe for corn application.

For impregnating the pesticides on dry fertilizers, use suitable mixers equipped with suitable spraying equipment. The spray nozzles should be positioned inside the mixer to provide uniform spray coverage of the tumbling fertilizer. The SURPASS EC should be sprayed uniformly onto the fertilizer using a fine spray pattern. Tankmix components may be applied as separate ingredients with powders and dry flowables added first or they may be mixed in a slurry in the proper ratio and added jointly.

SURPASS EC may also be impregnated on dry bulk fertilizer in the field while the fertilizer is being spread using a pneumatic applicator equipped to impregnate herbicides.

If the herbicide/fertilizer mixture is too wet, use of a drying agent is required to provide a dry, free-flowing mixture. For mixtures to be used in spinning-disc applicators, Microcel E calcium silicate powder (Manville, Filtration & Minerals) is recommended for use as a drying agent. Mixtures to be used in pneumatic applicators should use Microcel E or Agsorb 16/30 RVM-MS granular clay (Oil-Dri Corporation). The drying agents should be added separately and uniformly to the prepared pesticide/fertilizer mixture, in a quantity that is sufficient to provide a suitable free-flowing mixture. Generally, less than 2% Microcel E or 5% Agsorb 16/30 RVM-MS by weight is required.

The following table provides a reference to determine the amount of SURPASS EC to be mixed per ton of dry bulk fertilizer for a range of herbicide rates.

| FERTILIZER RATE (LB/ACRE) | ACRES COVERED (PER TON) | SURPASS EC PINTS/ACRE | | |
|------------------------------|----------------------------|--------------------------------|------|------|
| | | 2 | 2.5 | 3 |
| | | Pints Herbicide/Ton Fertilizer | | |
| 200 | 10.0 | 20.0 | 25.0 | 30.0 |
| 300 | 6.7 | 13.4 | 16.8 | 20.1 |
| 400 | 5.0 | 10.0 | 12.5 | 15.0 |
| 500 | 4.0 | 8.0 | 10.0 | 12.0 |
| 600 | 3.3 | 6.6 | 8.3 | 9.9 |
| 700 | 2.9 | 5.8 | 7.3 | 8.7 |

To determine the amount of SURPASS EC needed for other rates of fertilizer, use this formula:

$$\frac{\text{SURPASS EC (pints/acre)} \times 2000}{\text{pounds fertilizer/acre}} = \text{Pints of SURPASS EC per ton fertilizer}$$

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