

79506-60

12-18-2009

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460



OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Ms. Rebecca A. Clemmer
Product Registration
United Phosphorus, Inc.
630 Freedom Business Center, Suite 402
King of Prussia, PA 19406

DEC 18 2009

Subject: Notification(s) for Label Revisions under PRN 98-10, 2001-5 and 2007-4 Storage & Disposal and Other Changes (Warranty Statement and Contact Information)

Dear Registrant:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notices (PRN) 98-10, 2001-5 and 2007-4 Storage & Disposal and Other Changes dated July 10, 2009 for:

EPA Registration 70506-60 "Ultra Blazer"

The Registration Division (RD) has conducted a review of the request(s) for applicability under PRN 98-10, 2001-5 and 2007-4 and finds that the label changes requested fall within the scope of PRN-98-10, 2001-5 and PRN-2007-4. The label has been date-stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on non-refillable containers. The code may appear either on the label (and can be added by non-notification/PR 98-10) or durably marked on the container itself.

If you have any questions, please contact me directly at 703-305-6249 or Owen F. Beeder of my staff at 703-308-8899.


Sincerely,

A handwritten signature in black ink, appearing to read "Linda Arrington".

Linda Arrington
Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs

Please read instructions on reverse before comp. form

Form A, approved, OMB No. 2070-0060, Approval expires 5-31-98

	United States	<input type="checkbox"/> Registration	OPP Identifier Number
	Environmental Protection Agency	<input type="checkbox"/> Amendment	
	Washington, DC 20460	<input checked="" type="checkbox"/> Other	

Application for Pesticide - Section I

1. Company/Product Number 70506-60	2. EPA Product Manager J. Miller	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) United Phosphorus, Inc/Ultra Blazer	PM # 23	
5. Name and Address of Applicant (Include ZIP Code) United Phosphorus, Inc. 630 Freedom Business Center, Suite 402 King of Prussia, PA 19406 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg No. _____ Product Name _____	

Section - II


<input type="checkbox"/> Amendment - Explain below	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____	NOTIFICATION DEC 18 2009
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application	
<input checked="" type="checkbox"/> Notification - Explain below	<input type="checkbox"/> Other - Explain below	

Explanation: Use additional page(s) if necessary. (For Section I and Section II.)
 Notification of label change per PR Notice 2007-4 and 2001-5 and company information updates. This notification is consistent with the guidance in PRN 2007-4 and 2001-5 and the requirements of EPA's regulations at 40CFR §§156.10, 156.140, 156.144, 156.146, 156.156. No other changes have been made to the labeling or the CSF for this product. I understand that it is a violation of 18 USC Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the sections above, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section III

1. Material This Product Will be Packaged in:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	<input checked="" type="checkbox"/> Plastic
*Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	No. per container
					<input type="checkbox"/> Glass
					<input type="checkbox"/> Paper
					<input type="checkbox"/> Other (Specify) _____
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 2.5 gal		5. Location of label directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Label accompanying product	
6. Manner in Which Label is Affixed to Product		<input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____	

Section IV

1. Contact Person (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Rebecca A. Clemmer	Title Regulatory Manager	Telephone No. (Include Area Code) 610-491-2828
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law		6. Date Application Received (Stamped)
2. Signature 	3. Title Regulatory Manager	
4. Typed Name Rebecca A. Clemmer	5. Date 7/10/09	



United Phosphorus, Inc.

630 Freedom Business Center
Suite 402
King of Prussia, PA 19406
(610) 491-2828 (phone)
(610) 491-2810 (fax)

Rebecca A. Clemmer
Regulatory Manager

July 10, 2009

Joanne Miller (PM 23)
Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202

Re: Storm (EPA Reg. No. 70506-59)
Ultra Blazer (EPA Reg. No. 70506-60)
Notifications

Dear Ms. Miller:

United Phosphorus, Inc. is submitting revised labels to accomplish the following changes, all of which qualify as Notifications:

- update company and emergency contact information
- replace "inert" ingredients with "other" ingredients
- add herbicide resistance category per PRN 2001-5
- update warranty statement
- update container disposal wording per PRN 2007-4
- add brand name Stam® for propanil product

In support, for each label enclosed please find:

- EPA form 8570-1
- Label copy marked to show changes
- Label integrity form
- A CD containing clean pdf copies of each label

Please contact me if you have any questions.

Very truly yours,

Rebecca A. Clemmer
rebecca.clemmer@uniphos.com

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GROUP	14	HERBICIDE
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ULTRA BLAZER® Herbicide

For use on peanuts, rice, soybeans, and strawberries

NOTIFICATION

DEC 1 8 2009

ACTIVE INGREDIENT

Sodium salt of acifluorfen*.....20.1%

INERT/OTHER INGREDIENTS:.....79.9%

TOTAL.....100.0%

* Equivalent to 2 pounds of active ingredient per gallon.

**KEEP OUT OF REACH OF CHILDREN.
DANGER/PELIGRO**

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

FIRST AID	
IF IN EYES:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
IF SWALLOWED:	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF INHALED:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
<p>Hotline Number: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency medical assistance, call The National Pesticide Information Center at 1-800-858-7378 contact the Rocky Mountain Poison Control Center at 1-866-673-6671.</p>	
<p>Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage. ANTIDOTE—No specific antidote is available. Treat symptomatically.</p>	

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



United Phosphorus, Inc.
~~423 Riverview Plaza~~ 630 Freedom Business Center
 Trenton, NJ 08611 ~~King of Prussia, PA 19406~~
 1-800-247-1557/438-6071
www.upi-usa.com

EPA Reg. No: 70506-60
 EPA Est. No.
 Net Contents: 2.5 gallons

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**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

DANGER

Corrosive. Causes irreversible eye damage. Harmful if swallowed or absorbed through the skin, or inhaled. Do not get in eyes or on clothing. Avoid contact with skin and breathing vapor or spray mist.

PERSONAL PROTECTION EQUIPMENT (PPE)

Some materials that are chemical resistant to this product are made of any waterproof material. If you want more options, follow the instructions for category A on an EPA chemical resistance category selection chart.

Mixers, Loaders and Applicators must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves.
- Goggles or face shield

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not re-use them.

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

Engineering Controls Statement

When handlers use closed systems, enclosed cabs, or cockpits 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/PPE 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

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark, except as specified on this label for application to rice. Do not contaminate water when disposing of equipment washwaters. Do not apply when weather conditions favor drift from target area.

GROUND WATER ADVISORY

Sodium acifluorfen is known to leach through soil to groundwater under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable (sandy or sandy/loamy soils) and water tables are shallow could result in contamination of groundwater. Use of irrigated water in such areas will increase the likelihood of groundwater contamination.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other people, either directly or through drift. Only handlers wearing PPE may be in the treatment area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation. This pesticide is toxic to vascular plants and should be used strictly in accordance with the drift and run-off precautions on this label to minimize off-site exposures. All applicable directions, restrictions, precautions and **Conditions of Sale and Warranty** are to be followed. This labeling must be in the user's possession during application.

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18**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 **48 hours**.

The following PPEs required for early entry into 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

- Coveralls over long sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Chemical resistant footwear plus socks
- Chemical resistant headgear if overhead exposure
- Protective eyewear

Notify workers of pesticide application by warning them orally and by posting warning signs at entrances to treated areas.

I. GENERAL INFORMATION

Ultra Blazer herbicide is intended for selective postemergence control of certain broadleaf weeds and grasses in peanuts, soybeans, strawberries, and rice.

Crop Tolerance

All listed crops are tolerant to **Ultra Blazer** at all stages of growth listed. Leaf speckling may occur, but plants generally outgrow this condition within 10 days. New growth is normal and crop vigor is not reduced.

Cleaning Spray Equipment

Clean application equipment thoroughly by using a strong detergent or commercial spray cleaner according to the manufacturer's directions and then triple rinsing the equipment before and after applying this product.

II. APPLICATION INSTRUCTIONS

Apply recommended rates of **Ultra Blazer** as follows unless instructed differently in section **VI. Crop-Specific Information**. Applications can be made to actively growing weeds as aerial banding or broadcast applications at the rates and growth stages listed in **Table 1. Application Rates for Ultra Blazer herbicide – Peanuts and Soybeans** and in **VI. Crop-Specific Information** for rice and strawberries. The most effective control will result from making postemergence applications of **Ultra Blazer** early, when weeds are small. Early application to weeds results in improved weed control, allows use of the lower rate (depending on weed species), and makes thorough spray coverage easier to obtain. Delaying application permits weeds to exceed the maximum size stated and will prevent adequate control.

Irrigation

In irrigated areas, it may be necessary to irrigate before treatment to ensure active weed growth. Weeds growing under drought conditions usually are not adequately controlled.

Spray Coverage

Weeds must be thoroughly covered with spray. Always use an adequate volume of spray solution to ensure thorough coverage. Dense leaf canopies shelter smaller weeds and can prevent adequate spray coverage.

Cultivation

Do not cultivate within 5 days before or 7 days after applying **Ultra Blazer herbicide**.

Aerial Application Methods and Equipment

Water Volume: Use a minimum of 10 gallons of water per acre. A minimum of 5 gallons of water per acre has been effective where adequate coverage can be achieved.

Spray Pressure: Use up to 40 psi.

Application Equipment: Use only diaphragm-type nozzles that produce cone or fan-spray spray patterns.

Special Directions for Aerial Application

To obtain uniform coverage and to avoid drift hazards, consult the Spray Drift Management section below.

Ground Application (Banding)

Follow **Ground Application (Broadcast)** instructions for band applications. When row banding equipment is used, it should be adjusted to provide maximum coverage of weeds in the row. Thorough coverage of the weeds can be obtained with two nozzles directed from either side of the crop row toward the weeds in the center rows. The recommended

minimum band width is 15 inches with a minimum of 15 gallons of water per acre on the band. Application with a single nozzle over the row is not recommended.

Ground Application Methods and Equipment (Broadcast)

Water Volume: Use 10-20 gallons of spray solution per broadcast acre for optimal performance. Increase water volume up to 50 gallons if crop or weed foliage is dense. For strawberries, use 20-40 gallons of spray solution per broadcast acre.

Spray Pressure: Use a minimum of 40 psi (measured at the boom, not at the pump or in the line).

Note: When using the lower water volume (i.e. 10 gallons per acre) or when crop and weed foliage is dense, use a minimum of 60 psi for best results.

Application Equipment: Use standard high-pressure pesticide flat fan or hollow cone nozzles spaced up to 20 in. apart. Do not use flood, whirl chamber, or controlled droplet applicator (CDA) nozzles as erratic coverage can cause inconsistent weed control. Do not use selective application equipment such as recirculating sprayers or wiper applicators.

SPRAY DRIFT MANAGEMENT

Use best practices to avoid drift to all other crops and non-target areas. Do not apply when conditions favor drift from target areas. The interaction of many equipment and weather-related factors determine the potential for spray drift. Avoiding spray drift at the application site is the responsibility of the applicator. The applicator must follow the most restrictive use precautions to avoid drift, including those found in this labeling as well as applicable state and local regulations and ordinances. A drift control agent may reduce drift, however, it may also decrease weed control.

Requirements for ground applications:

For ground applications, adjust nozzle height and droplet size with wind speed according to the following table:

Wind speed	Nozzle height	Droplet size for standard nozzles (ASAE standard 572)
Less than 10 mph	Up to 2 feet	medium or coarser
	2-4 feet	coarse or coarser
	4-6 feet	very coarse or coarser
10 to 15 mph	0-2 feet	coarse or coarser
	2-4 feet	very coarse or coarser
	4-6 feet	extremely coarse

Do not apply when the wind speed exceeds 15 miles per hour. Do not apply at a nozzle height of greater than 6 feet above the ground or crop canopy. Apply as a medium or coarser spray (ASAE standard 572).

Requirements for aerial applications:

For aerial applications, apply only when the wind speed is less than or equal to 15 miles per hour using a release height of no more than 10 feet above the ground or crop canopy. If the wind speed is less than 10 mph, apply as a medium or coarser spray (ASEA standard 572). If the wind speed is between 10 mph and 15 mph, apply as a coarse or coarser spray (ASAE standard 572). The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter. Do not make aerial applications into temperature inversions. When aerial applications are made with a cross-wind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind.

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Table 1. Application Rates for Ultra Blazer Herbicide – Peanuts and Soybeans
 Refer to section VI. Crop-Specific Information for rate and timing details for rice. Note: Weed height will vary depending on environmental conditions and is only given as a guide. Emphasis should be placed on leaf stages. Refer to section III. Additives for more information.

Weeds Controlled (including triazine and ALS-resistant biotypes)	0.5 pint per acre		1.0 pint per acre		1.5 pints per acre	
	Leaf Stage ^a	Maximum	Leaf Stage ^a	Maximum	Leaf Stage ^a	Maximum
	(up to)	Height	(up to)	Height	(up to)	Height
Balloonvine	-	-	-	-	2	2"
Beggarweed, Florida	-	-	-	-	2	<2" ^{nb}
Buckwheat, Wild	-	-	-	-	2	2" ^{nb}
Buffalobur	-	-	-	-	2	2" ^{nb}
Burgherkin	-	-	-	-	2	2" ^{nb}
Carpetweed	-	-	Multi 3" dia.	<2"	Multi 6" dia.	2"
Citron (Wild Watermelon)	-	-	-	-	2	2" ^{nb}
Cocklebur ^b	-	-	-	-	2	2"
Copperleaf, Hophorn beam , Virginia	-	-	2	2"	4	4"
Crotolaria, Showy	-	-	6	6" ^{nb}	6	6" ^{nb}
Croton, Tropic , Woolly	-	-	1-2	<2"	2	2"
Crownbeard, Golden	-	-	-	-	2	<2"
Eclipta	-	-	-	-	6	<2"
Galinsoga, Hairy	-	-	-	-	4	<2"
, Smallflower	-	-	-	-	4	<2"
Groundcherry, Cutleaf , Lanceleaf	-	-	-	-	2	1"
Indigo, Hairy	-	-	-	-	3	<2"
Jimsonweed	-	-	4	4"	6	6"
Ladysthumb	-	-	4	4"	6	6"
Lambsquarters, Common ^c	-	-	-	-	2	2"
Morningglory, Cypressvine , Entireleaf , Ivyleaf , Purple	-	-	2	2"	4	4"
Moonflower , Scarlet , Smallflower , Small White	-	-	2	2"	4	4"
(pitted) , Tall, (common) , Willowleaf	-	-	2	2"	4	4"
(Palmleaf)	-	-	2	2"	4	4"
Mustard, Wild	2	2"	4	<4"	4	4"
Nightshade, Eastern Black , Black	-	-	2-3	<2"	6	2"
Pigweed, Palmer , Prostrate , Redroot , Smooth , Spiny	4	<2"	6	<4"	6	4"
Poinsettia, Wild	-	-	-	-	2	2" ^{nb}
Poorjoe	-	-	-	-	2	2"
Purslane, Common	-	-	-	-	Multi 6" dia.	1"
Pusley, Florida	-	-	2	2"	4	4"
Ragweed, Common , Giant	-	-	2	<2"	4	3"
Senna, Coffee	-	-	-	-	2	2" ^{nb}
Sesbania, Hemp	-	-	4	4" ^{nb}	6	6" ^{nb}
Smartweed, Pennsylvania	-	-	4	4"	6	6"
Smellmelon	-	-	-	-	2	2" ^{nb}
Spurge, Prostrate	-	-	-	-	Multi 0.5" dia.	-

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Weeds Controlled (including triazine and ALS-resistant biotypes)	0.5 pint per acre		1.0 pint per acre		1.5 pints per acre	
	Leaf Stage ^a	Maximum	Leaf Stage ^a	Maximum	Leaf Stage ^a	Maximum
	(up to)	Height	(up to)	Height	(up to)	Height
, Spotted	-	-	-	-	Multi 0.5" dia	-
Starbur, Bristly	-	-	-	-	2	2" ^b
Waterhemp, Common	4	2"	6	<4"	6	4"
, Tall	4	2"	6	<4"	6	4"
Annual Grasses						
Foxtail, Giant ^b	-	-	-	-	2	1"
, Green ^b	-	-	-	-	2	1"
, Yellow ^b	-	-	-	-	2	1"
Johnsongrass, Seedling ^b	-	-	-	-	2	1"
Panicum, Fall ^b	-	-	-	-	2	1"
Shattercane ^b	-	-	-	-	2	1"
Volunteer Small Grains ^b	-	-	-	-	2	1"

^a Do not count leaves as pairs; count each leaf separately. Do not count cotyledon leaves. Spraying weeds in the cotyledon growth stage is not recommended. ^b Refer to **Special Use Directions**. ^c Suppression or partial control.

SPECIAL USE DIRECTIONS FOR ADDITIONAL WEED PROBLEMS IN PEANUTS AND SOYBEANS

For the following weeds, use 1.5 pints of **Ultra Blazer** herbicide per acre and 2 pints of spray surfactant per 100 gallons of spray mix unless otherwise stated. Activity depends on good soil moisture during and after the spray applications.

Beggarweed, Florida

Controlling Florida beggarweed is difficult because of the weed's long germination season. Apply **Ultra Blazer** herbicide when beggarweed seedlings have no more than 2 young expanding true leaves. Weeds at this time will not be more than 1.5" high. It is important to obtain maximum control of the earliest weed flush. Time the cultivation to give maximum control of regrowth or secondary weed flushes. **Ultra Blazer** will suppress or partially control weeds growing under conditions of high soil moisture and high relative humidity.

Buckwheat, Wild

Buffalobur

Partial control of wild buckwheat and buffalobur can usually be obtained when the seedlings have fewer than 2 true leaves. Use **Ultra Blazer** in 30 gallons of water per acre.

Cucurbits: Burgherkin

Citron (Wild Watermelon)

Smellmelon

Members of the cucumber family germinate over an extended period of time. Therefore, control is difficult to obtain with a single spray. For **Ultra Blazer** to be effective, the initial application should be made to weeds no later than the 2-leaf growth stage.

Morningglories

More consistent control of morningglories can be achieved by using sequential applications of 1 pint of **Ultra Blazer**.

Poinsettia, Wild

The recommended application of **Ultra Blazer** will usually kill or severely stunt wild poinsettia. Apply before the third true leaf has formed. This treatment will usually cause a height differential between soybeans and surviving wild poinsettia which will allow directed applications and even greater control.

Sesbania, Hemp

Crotalaria, Showy

Sesbania and crotalaria are very sensitive to **Ultra Blazer**. Apply 1 pint of **Ultra Blazer** per acre. Effective control can be obtained at just about all plant heights; however, it is important that **Ultra Blazer** be applied prior to bloom. Applications after bloom are usually not effective and therefore not recommended. To control these weeds, the application should be timed to occur after maximum weed emergence has taken place. Care must be exercised to make certain that crop canopies do not shade this weed from spray deposits. Waiting for the sesbania to break through the crop canopy may be advisable to control late season infestations.

**Starbur, Bristly
Senna, Coffee**

The recommended application of **Ultra Blazer** will kill or suppress seedlings that are not past the 2-leaf stage. Applications after the 2-leaf stage are usually ineffective.

Perennial Weeds:

**Bindweed, Field and Hedge
Milkweed, Climbing and Common
Redvine, Trumpet creeper**

Growth of perennial weeds from underground rootstocks is very difficult to control. Apply **Ultra Blazer** as recommended above with 2-4 pints of spray surfactant per 100 gallons of spray mix to burn back the above-ground plant parts and retard regrowth. **Ultra Blazer** will not kill the underground rootstocks of these weeds.

Annual Grasses:

**Foxtail, Giant, Green, and Yellow
Johnsongrass, Seedling
Panicum, Fall
Shattercane**

Ultra Blazer must not be the basic component of a grass management program. Rather, **Ultra Blazer** can be used for additional control of escaped grasses following a preplant incorporated or pre-emergence herbicide. Grasses not exceeding the 2-leaf stage will be stunted or killed.

Volunteer Small Grains:

**Barley
Oats
Rye
Wheat**

Ultra Blazer applied to emerging volunteer small grains in the 1-2 leaf stage will kill or stunt many plants.

III. ADDITIVES

To achieve consistent weed control, one of the following additives is needed: ammonium sulfate, crop oil concentrate, nonionic surfactant, or urea ammonium nitrate. AMS (or UAN) should be used when velvetleaf is a target weed. Additives may cause some leaf burn, but new growth is normal and crop vigor is not reduced. The potential for leaf burn is increased when relative humidity and temperature are high. Consult your local United Phosphorus, Inc. representative for your area. See **Table 3 Additive Rates Per Acre** for additive rates and **Table 2 Additive Options for Ultra Blazer herbicide Tank Mixes**.

Ammonium Sulfate (AMS)

AMS is a dry, granular nitrogen-source fertilizer. Use only fine feed-grade or spray-grade AMS because inferior grades of AMS do not dissolve adequately and can plug spray nozzles. United Phosphorus, Inc. does not recommend applying AMS if applied in less than 10 gallons per acre because of potential problems with precipitation in reduced volumes. Use AMS only if it has been demonstrated to be successful in local experience.

Nonionic Surfactant

The standard label recommendation is 1-2 pints of an 80% active nonionic spray surfactant per 100 gallons of water. For certain weeds, the higher spray surfactant rate is recommended.

Oil Concentrate

The oil concentrate must contain either a petroleum or vegetable oil base and must meet all of the following criteria:

- be nonphytotoxic,
- contain only EPA-exempt ingredients,
- provide good mixing quality in the compatibility test, and
- be successful in local experience.

The exact composition of suitable products will vary; however, vegetable and petroleum oil concentrates should contain emulsifiers to provide good mixing quality. Highly refined vegetable oils have proven more satisfactory than unrefined vegetable oils. For additional information, see **Compatibility Test for Mix Components**.

Some oil concentrates cause excessive leaf burn. Refer to your supplier for information concerning successful local experience before purchasing any oil concentrate.

Urea Ammonium Nitrate (UAN)

Commonly referred to as 28%, 30%, or 32% nitrogen solution, UAN may be added in place of other spray additives to improve weed control. Because most nitrogen solutions are mildly corrosive to galvanized, mild steel, and brass spray equipment, rinse the entire spray system with water soon after. Do not use brass or aluminum nozzles when spraying UAN.

Temperature and Relative Humidity Effects

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The following standard will help determine the optimum adjuvant rate to use. If the temperature and relative humidity exceed 150 (e.g. temperature of 85°F plus 70% relative humidity = 155), use the lower adjuvant rates.

Table 2 – Additive Options for Ultra Blazer Tank Mixes

Additive Options	Nonionic Surfactant (1-2 pints per 100 gallons)	AMS (2.5 pounds) or UAN (4-8 pints per acre)	Crop Oil Concentrate (1-2 pints per acre)	Nonionic Surfactant (1-2 pints per 100 gallons) + AMS (1-2 pounds per acre) or UAN (2-4 pints per acre)	Crop Oil Concentrate (1 pint per acre) + AMS (1-2 pounds per acre) or UAN (2-4 pints per acre)
Option A	•				
Option B		•			
Option C			•		
Option D				•	
Option E					•

Table 3 – Additive Rate Per Acre

Additive	Ground Application	Air Application
Nonionic Surfactant	1-2 pints per 100 gallons	1-2 pints per 100 gallons
AMS	2.5 pounds	2.5 pounds
Oil Concentrate	1-2 pints	1-2 pints
UAN Solution	4-8 pints	4 pints

IV. GENERAL MIXING INFORMATION

Tank Mix Partners/Components

The following products may be tank mixed with **Ultra Blazer herbicide** according to the specific tank mixing instructions in this label and respective product labels.

- Assure® II (quizalofop)
- Basagran® (bentazon)
- Cadre® (imazamethapyr)
- Classic® (chlorimuron ethyl)
- Concert® SP (thifensulfuron methyl+chlorimuron ethyl)
- Dual® 8E (metolachlor)
- Facet 75 DF (quinclorac)
- FirstRate® (chloransulam-methyl)
- Frontier® 6.0 (dimethenamid)
- Fusilade® DX (fluazifop-p-butyl)
- Fusion® (fluazifop-p-butyl + fenoxaprop-p-ethyl)
- Glyphosate
- Lasso® 4E (alachlor)
- Matador® (quizalofop)
- Pinnacle® (thifensulfuron methyl)
- Poast® (sethoxydim)
- Poast® HC (sethoxydim)
- Poast® Plus (sethoxydim)
- Stam® (propanil)
- Pursuit® (imazethapyr)
- Raptor® (imazamox)
- Reliance® STS (thifensulfuron methyl + chlorimuron ethyl)
- Resource® (flumiclorac)
- Scepter® (imazaquin)
- Select® (clethodim)
- Skirmish® (chlorimuron ethyl)
- Synchrony® STS (thifensulfuron methyl + chlorimuron ethyl)
- 2,4-DB
- 2,4-DB (preplant burndown only)

See section VI. **Crop-Specific Information** for more details. Read and follow the applicable **Restrictions and Limitations** and **Directions for Use** on all products involved in tank mixing. The most restrictive labeling applies to tank mixes. Physical incompatibility, reduced weed control, or crop injury may result from mixing **Ultra Blazer** with other pesticides (fungicides, herbicides, insecticides, or miticides), additives, or fertilizers. United Phosphorus, Inc. does not recommend using tank mixes other than those listed on United Phosphorus, Inc. labeling. Local agricultural authorities may be a source of information when using other than United Phosphorus, Inc. recommended tank mixes.

Compatibility Test for Mix Components

Before mixing components, always perform a compatibility jar test. For 20 gallons per acre spray volume, use 3.3 cups (800 ml) of water. For other spray volumes, adjust rates accordingly. Only use water from the intended source at the source temperature.

Add components in the sequence indicated in **Mixing Order** using 2 teaspoons for each pound or 1 teaspoon for each pint of recommended label rate per acre. Always cap the jar and invert 10 cycles between component additions.

When the components have all been added to the jar, let the solution stand for 15 minutes. Evaluate the solution for uniformity and stability. The spray solution should not have free oil on the surface, nor fine particles that precipitate to the bottom, nor thick (clabbered) texture. If the spray solution is not compatible, repeat the compatibility test with the addition of a suitable compatibility agent. If the solution is compatible, use the compatibility agent as directed on its label. If the solution is still incompatible, do not mix the ingredients in the same tank.

Mixing Order

1. **Water.** Begin by agitating a thoroughly clean sprayer tank three-quarters full of clean water.
2. **Agitation.** Maintain constant agitation throughout mixing and application.
3. **Products in PVA Bags.** Place any product contained in water-soluble PVA bags into the mixing tank. Wait until all water-soluble PVA bags have fully dissolved and the product is evenly mixed in the spray tank before continuing.
4. **Water dispersible products** (such as dry flowables, wettable powders, suspension concentrates, or suspo-emulsions). If an inductor is used, rinse it thoroughly after the component has been added.
5. **Water-soluble products** (such as **Ultra Blazer**). If an inductor is used, rinse it thoroughly after the component has been added.
6. **Emulsifiable concentrates** (such as oil concentrate when applicable). If an inductor is used, rinse it thoroughly after the component has been added.
7. **Water-soluble additives** (such as AMS or UAN when applicable). If an inductor is used, rinse it thoroughly after the component has been added.
8. **Remaining quantity of water.** Maintain constant agitation during application.

V. RESTRICTIONS AND LIMITATIONS

- **Maximum Seasonal Use Rate:** Do not apply more than a total of **2 pints** (0.5 lb. AI) of **Ultra Blazer herbicide** per acre per season for **peanuts**, and **soybeans**, no more than a total of **3 pints** (0.75 lb. AI) of **Ultra Blazer herbicide** per acre per season for **strawberries**, and no more than a total of **1 pint** (0.25 lb AI) of **Ultra Blazer** per acre per season for **rice**.
- **Maximum Application Use Rate:** Do not apply more than **1.5 pints** (0.375 pound of active ingredient) of **Ultra Blazer** per acre, per application in peanuts, soybeans and strawberries. Do not apply more than **1 pint** (0.25 pound of active ingredient) of **Ultra Blazer** per acre, per application in rice.
- **Preharvest Interval (PHI):** See Table 4.
- **Restricted Entry Interval (REI): 48 hours.**
- Allow a minimum of **15 days** between sequential applications of **Ultra Blazer**.
- Do not use treated plants for feed or forage.
- **Crop Rotation Restriction:** In case of crop failure, only peanuts, soybeans, strawberries or rice may be immediately replanted. Small grains must not be planted in fields treated with **Ultra Blazer** for 40 days following treatment. All other rotated crops must not be planted in fields treated with **Ultra Blazer** for 100 days following treatment.
- **Stress:** Do not apply to weeds or crops under stress due to lack of moisture, hail damage, flooding, herbicide injury, mechanical injury, or widely fluctuating temperatures, as unsatisfactory control may result.
- Do not apply **Ultra Blazer** to crops that show **injury** (leaf phytotoxicity or plant stunting) produced by any other prior herbicide applications, because this injury may be enhanced or prolonged.
- **Rainfast Period:** Rainfall or overhead irrigation within 4 hours after application may reduce the effectiveness of **Ultra Blazer**.
- Do not apply through any type of **irrigation** system.

Table 4 – Crop-Specific Restrictions and Limitations

Crop	Minimum Time from Application to Harvest (PHI)	Maximum Rate Per Acre Per Application	Maximum Rate Per Acre Per Season	Livestock Grazing or Feeding	Aircraft Application
Peanuts	75 days	1.5 pints	2 pints	No	Yes
Rice	50 days	1 pints	1 pints	No	Yes
Soybeans	50 days	1.5 pints	2 pints	No	Yes
Strawberries	60 days	1.5 pints	3 pints	No	Yes

VI. SPECIFIC CROP INFORMATION

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Apply the rates of **Ultra Blazer herbicide** recommended in **Table 1** to peanuts pre-emergence, at cracking stage (initiation of soil cracking, but before peanut emergence from the soil), or postemergence to peanuts to control susceptible weeds.

Peanut Tank Mixes

Ultra Blazer may be applied in a tank mix with one of the following herbicides:

<u>Tank Mix Partner</u>	<u>Additive Option</u>
Basagran®	A or C
Cadre®	A
Dual® 8E	A
Frontier® 6.0	A
Lasso® 4E	A
Poast®	C
Poast® HC	C
Poast® Plus	C
2,4-DB*	A or C

* Do not apply this tank mix after pod-filling stage begins. Refer to **Table 2** for the additive option appropriate to each tank mix.

RICE

Ultra Blazer may be applied when rice is at the late tillering stage up to the early boot stage, which normally occurs in June or July. Rice must be past the 3-leaf stage. Apply **Ultra Blazer** to hemp sesbania plants before sesbania is in the flowering stage. Best results are obtained when the sesbania growth extends above the rice.

Apply 0.5 pint of **Ultra Blazer** per acre to hemp sesbania plants. A second application of 0.5 pint of **Ultra Blazer** per acre can be made to control later germinating sesbania. To achieve consistent weed control, add 1-2 pints of an 80% active nonionic spray surfactant per 100 gallons of water. Using a spray adjuvant is important for effective control of hemp sesbania.

Specific Restrictions and Limitations

Do not apply **Ultra Blazer** after the rice reaches the boot stage.

The maximum application rate for rice is 1 pint per acre, per season and should only be used to control hemp sesbania.

Do not apply more than 2 applications to rice per season nor exceed 1 pint per acre per season.

Do not use water from treated rice fields for irrigation purposes for other than those labeled for use with **Ultra Blazer herbicide**.

Do not harvest crayfish from treated rice areas for food.

Rice Tank Mixes

Ultra Blazer may be applied in a tank mix with one of the following herbicides:

<u>Tank Mix Partner</u>	<u>Additive Option</u>
Basagran®	A
Facet® 75 DF	A
Propanil	A

Refer to **Table 2** for the additive option appropriate for each tank mix.

SOYBEANS

To ensure optimum spray coverage of weeds, apply **Ultra Blazer herbicide** to small actively growing weeds. Refer to section II **Application Instructions** and **Table 1** for more information. A sequential application of 1 pint of **Ultra Blazer** following 1 pint of **Ultra Blazer** can be used to control subsequent weed flushes or escaped weeds before they reach the maximum weed size listed in **Table 1**.

Soybean Tank Mixes

Ultra Blazer may be applied in a tank mix with one of the following herbicides:

<u>Tank Mix Partner</u>	<u>Additive Option</u>
Assure II® ¹	A
Basagran®	A or C
Classic®	A
Concert® SP (up to 0.25 ounces)	D
First Rate®	D
Frontier® 6.0	A
Fusilade® DX ¹	A
Fusion® ¹	A

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Glyphosate		8.5-17 pounds of AMS per 100 gallons
Matador ^{®1}		A
Pinnacle [®] (up to 0.25 ounces)	A or D	
Poast ^{®1}		C
Poast [®] HC ¹		C
Poast Plus ^{®1}		C
Pursuit [®]		D
Raptor [®]		D
Reliance [®] STS SP ² (up to 0.25 ounces)		D
Resource [®]		C
Scepter [®]		A
Select [®] 2 EC		C
Skirmish [®]		D
Synchrony [®] STS ² (up to 0.5 ounce)		E
2,4-DB		A

- ¹ For best results if applying as part of a weed control program with **Ultra Blazer**, follow these guidelines:
- If the partner is applied prior to the **Ultra Blazer** application, wait 24 hours before applying **Ultra Blazer**.
 - If the partner is applied following the **Ultra Blazer** application, wait 7 days before applying.
- ² When applying this tank mix to soybean varieties other than those designated as STS, do not add oil concentrate. Application to soybean varieties not designated as STS will result in severe crop injury or yield loss.

Refer to **Table 2** for the additive option appropriate for each tank mix.

Burndown Treatment Before Planting Soybeans

Ultra Blazer alone can be applied any time before planting soybeans to control susceptible weed species present (See **Table 1**). This application is not intended to replace a full-season weed control program, but is intended to control susceptible weed species present before soybeans are planted. Use a spray additive to enhance burndown activity before planting soybeans.

Burndown Tank Mixes

Ultra Blazer may be applied in a tank mix with one of the following herbicides:

<u>Tank Mix Partner</u>	<u>Additive Option</u>
Poast [®]	C or E
Poast [®] HC	C or E
Poast Plus [®]	C or E
2,4-D LVE	C

Refer to **Table 2** for the additive option appropriate for each tank mix.

STRAWBERRIES

For control of many broadleaf weeds, Ultra Blazer may be applied up to the maximum application rate of 0.375 lb a.i. per acre [1.5 pints Ultra Blazer per acre per season] using ground equipment. Make broadcast applications of the mixture in 20 to 40 gallons of water per acre. Reduce rates proportionately for band or strip treatment. Do not apply more than 0.75 lb a.i. per acre per season [3 pints Ultra Blazer per acre per season].

For Annual Strawberries grown on plastic mulch on plant beds:

Make one banded application before laying plastic mulch and after final land preparation, and prior to transplanting the crop. For best results, avoid soil disturbance during laying of plastic and planting of crop.

For application between rows of plastic mulch, apply as a direct-shielded application to strawberry row middles between mulched beds. Do not allow Ultra Blazer to contact strawberry plants.

For Perennial Strawberries: Make two applications. The first application can be made after the last harvest, or following bed renovation. The second application can be made when the plants are dormant during late fall to early spring. Do not apply the last application within 120 days of strawberry harvest. For application to row middles, Ultra Blazer may be applied up to the maximum rate of 0.375 lb a.i. per acre per season [1.5 pints Ultra Blazer per acre per season].

Weeds Listed in this Label	
Broadleaves	
Common Name	Scientific Name

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Artichoke, Jerusalem	<i>Helianthus tuberosus</i>
Balloonvine	<i>Cardiospermum halicacaburm</i>
Beggarweed, Florida	<i>Desmodium tortuosum</i>
Beggarticks	<i>Bidens frondosa</i>
Bindweed, Field	<i>Convolvulus arvensis</i>
, Hedge	<i>Convolvulus sepium</i>
Buckwheat, Wild	<i>Polygonum convolvulus</i>
Buffalobur	<i>Solanum rostratum</i>
Burgherkin	<i>Cucumis anguria</i>
Carpetweed	<i>Mollugo verticillata</i>
Citron (Wild Watermelon)	<i>Citrullus vulgaris</i>
Cocklebur, Common	<i>Xanthium pensylvanicum</i>
, Heartleaf	<i>Xanthium strumarium</i>
Copperleaf, Hophornbeam	<i>Acalypha ostryaefolia</i>
, Virginia	<i>Acalypha virginica</i>
Crotalaria, Showy	<i>Crotalaria spectabilis</i>
Croton, Tropic	<i>Croton glandulosus</i>
, Woolly	<i>Croton capitatus</i>
Crownbeard, Golden	<i>Verbesina encelioides</i>
Cucumber, Wild Spiny	<i>Cucumis dipsaceus</i>
Eclipta	<i>Eclipta alba</i>
Galinsoga, Hairy	<i>Galinsoga ciliata</i>
, Smallflower	<i>Galinsoga parviflora</i>
Groundcherry, Cutleaf	<i>Physalis angulata</i>
, Lanceleaf	<i>Physalis lanceifolia</i>
Indigo, Hairy	<i>Indigo fera hirsuta</i>
Jimsonweed	<i>Datura stramonium</i>
Ladysthumb	<i>Polygonum persicaria</i>
Lambsquarters, Common	<i>Chenopodium album</i>
Milkweed, Climbing	<i>Sarcostemma cyanchoides</i>
, Common	<i>Asclepias syriaca</i>
Morningglory, Cypressvine	<i>Ipomoea quamoclit</i>
, Entireleaf	<i>Ipomoea hederacea var. integruscula</i>
, Ivyleaf	<i>Ipomoea hederacea, var. hederacea</i>
, Purple Moonflower	<i>Ipomoea muricata</i>
, Scarlet	<i>Ipomoea coccinea</i>
, Smallflower	<i>Jacquemontia tamnifolia</i>
, Small White (pitted)	<i>Opomoea lacunosa</i>
, Tall, Common	<i>Ipomoea purpurea</i>
, Willowleaf (Palmleaf)	<i>Ipomoea wrightii</i>
Mustard, Wild	<i>Brassica kaber</i>
Nightshade, Black	<i>Solanum nigrum</i>
, Eastern Black	<i>Solanum ptycanthum</i>
Pigweed, Palmer	<i>Amaranthus palmeri</i>
, Prostrate	<i>Amaranthus blitoides</i>
, Redroot	<i>Amaranthus retroflexus</i>
, Smooth	<i>Amaranthus hybridus</i>
, Spiny	<i>Amaranthus spinosus</i>
Poinsettia, Wild	<i>Euphorbia heterophylla</i>
Poorjoe	<i>Diodia teres</i>
Purslane, Common	<i>Portulaca oleracea</i>
Pusley, Florida	<i>Richardia scabra</i>
Ragweed, Common	<i>Ambrosia artemisiifolia</i>
, Giant	<i>Ambrosia trifida</i>
Redvine	<i>Brunnichia cirrhosa</i>
Senna, Coffee	<i>Cassia occidentalis</i>
Sesbania, Hemp	<i>Sesbania exaltata</i>
Smartweed, Pennsylvania	<i>Polygonum pensylvanicum</i>
Smellmelon	<i>Cucumis melo</i>
Spurge, Prostrate	<i>Euphorbia supina</i>
, Spotted	<i>Euphorbia maculata</i>
Starbur, Bristly	<i>Acanthospermum hispidum</i>
Teaweed (See Sida, Prickly)	<i>Sida spinosa</i>
Trumpetcreeper	<i>Campsis radicans</i>

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Velvetleaf	<i>Abutilon theophrasti</i>
Waterhemp, Common	<i>Amaranthus rudis</i>
, Tall	<i>Amaranthus tuberculatus</i>

Weeds Listed in This Label	
Grasses	
Common Name	Scientific Name
Foxtail, Giant	<i>Setaria faberi</i>
, Green	<i>Setaria viridis</i>
, Yellow	<i>Setaria lutescens</i>
Johnsongrass, Seedling	<i>Sorghum halepense</i>
, Rhizome	<i>Sorghum halepense</i>
Panicum, Fall	<i>Panicum dichotomiflorum</i>
, Texas	<i>Panicum texanum</i>
Shattercane	<i>Sorghum bicolor</i>
Volunteer Barley	<i>Hordeum vulgare</i>
, Corn	<i>Zea mays</i>
, Oats	<i>Avena sativa</i>
, Rye	<i>Secale cereale</i>
, Wheat	<i>Triticum aestivum</i>

Crops
This product can be used on the following crops:
Peanut
Rice
Soybeans
Strawberries
Read label for complete Restrictions and Limitations and Application Instructions

STORAGE AND DISPOSAL

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

Pesticide Storage: Do not store below 32°F.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mix, or rinsate is a violation of federal law. If these wastes cannot be disposed of according to label instructions, contact the state agency responsible for pesticide regulation or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal: Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. If rinsate cannot be used, follow pesticide disposal instructions. If not triple rinsed, these containers are acute hazardous wastes and must be disposed of in accordance with local, state and federal regulations.

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

~~Bulk/Mini-bulk Containers: Re-usable containers should be returned to the point of purchase for cleaning and refilling because the container must be thoroughly cleaned before refilling.~~

Steps to be taken in case material is released or spilled:

Dike and contain the spill with inert material (sand, earth, etc.) and transfer liquid and solid diking material to separate containers for disposal. Remove contaminated clothing, and wash affected skin areas with soap and water. Wash clothing before re-use. Keep the spill out of all sewers and open bodies of water.

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READ BEFORE USING PRODUCT

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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 refunded.

The Directions for Use of this product should be followed carefully. The Directions for Use of this product reflect the opinion of experts based on field use and tests. 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 United Phosphorus, Inc. or Seller. Handling, storage, and use of the product by Buyer or User are beyond the control of United Phosphorus, Inc. and Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold United Phosphorus, Inc. and Seller harmless for any claims relating to such factors.

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