

70506-56

08/20/2009

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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

AUG 20 2009

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

Subject: Label Notification(s) for Pesticide Registration Notice 2007-4 and 98-10

Dear Ms. Clemmer:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 and 98-10 dated July 15, 2009 for:

EPA Registration 70506-56

XL 2GR

The Registration Division (RD) has conducted a review of this request for applicability under PRN 2007-4 and 98-10 and finds that the label change(s) requested falls within the scope of PRN-2007-4 and 98-10. 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 nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact me directly at 703-305-6249 or Joyce Edwards of my staff at 703-308-8893.

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



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 15, 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: Oryzalin Products - Notifications

Dear Ms. Miller:

United Phosphorus, Inc. is submitting revised labels to accomplish the following changes, all of which qualify as Notifications: add herbicide resistance category per PRN 2001-5; update container disposal wording per PRN 2007-4. In addition, some changes have been made as listed in the chart below.

Product Name	EPA Reg. No.	Notification Changes
Surflan AS herbicide	70506-43 /	Update company and emergency contact; update warranty
Surflan AS Specialty	70506-44 /	Update company and emergency contact; update warranty
XL 2G	70506-45 /	Update emergency telephone; small change to warranty
Surflan Dry Flowable	70506-46 /	Update company and emergency contact; update warranty
Surflan WDG Specialty	70506-50 /	Update company and emergency contact; update warranty
UP-Shot DF	70506-53 /	Update company and emergency contact; update warranty
XL 2GR	70506-56	Update emergency telephone. Note that no resistance category is being added to this homeowner product.

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XL 2GR

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Contains Surflan®

XL 2GR is an easy-to-use herbicide. XL 2GR stops unsightly weeds and weed grasses BEFORE they start to grow in your established ornamental shrubs, flower beds and warm-season lawn grasses around your home. Used according to label directions, XL 2GR provides effective weed control all season long -- and gives your landscape that neat and clean look.

XL 2GR controls weeds in the following areas:

- Landscape ornamental trees and shrubs
- Ornamental ground covers
- Established flower beds
- Ornamental bulbs
- Established warm season turfgrasses including:
 - bermudagrass
 - St. Augustinegrass
 - tall fescue
- buffalograss
- zoysiagrass
- centipedegrass
- bahiagrass

Active Ingredients:

benefin: <i>N</i> -butyl- <i>N</i> -ethyl- α,α,α -trifluoro-2,6-dinitro- <i>p</i> -toluidine.....	1.0%
oryzalin: 3,5-dinitro- <i>N,N</i> -dipropylsulfanilamide.....	1.0%

Other Ingredients	98.0%
Total	100.0%

Keep Out of Reach of Children
CAUTION PRECAUCION

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: 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.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency medical treatment information, contact the Rocky Mountain Poison Control Center at 1-866-767-5089/673-6671.

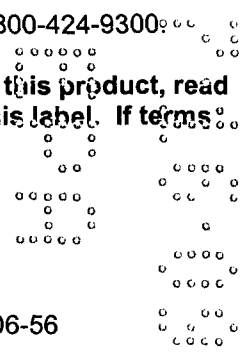
For chemical emergency: spill, leak, fire, exposure, or accident, call CHEMTREC 1-800-424-9300.

Notice: Read the entire label. Use only according to label directions. **Before using this product, read the Conditions of Sale and Limitation of Warranty and Liability elsewhere on this label. If terms are unacceptable, return at once unopened.**

Agricultural Chemical: Do not ship or store with food, feeds, drugs, or clothing.

Manufactured for:
(logo) United Phosphorus, Inc.
United Phosphorus, Inc.
630 Freedom Business Center, Suite 402

EPA Reg. No. 70506-56
 EPA Est. No. _____



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Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with labeling. Read all directions carefully before using this product.

GENERAL PRECAUTIONS AND RESTRICTIONS

Not for use on plants grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in interior plantscapes, ornamental gardens or parks, or on golf courses or lawns and grounds.

- Do not apply this product by air.
- Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters or rinsate.
- Do not apply this product in a way that will contact any person or pets, either directly or through drift. Keep people and pets out of the area during application.
- This product must be watered in immediately after application to dissolve the granules. A single rainfall or irrigation of ½ inch or more is required after product application.
- Do not allow other people or pets to enter the treated area until dusts have settled. Except for those people involved in the watering-in, do not enter or allow other people or pets to enter the treated areas until the watering-in is complete and the grass is dry.
- Do not graze or feed forage from treated areas to livestock.

WHAT IS XL 2GR?

XL 2GR is a pre-emergence herbicide applied to the soil surface to prevent the growth of undesirable weeds and grasses. Simple for homeowner use, XL 2GR forms a protective "barrier" in the soil surface which prevent weeds from emerging.

WHAT WEEDS DOES XL 2GR CONTROL?

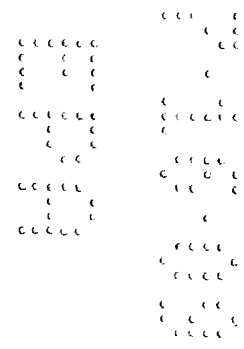
Used properly, XL 2GR controls the following broadleaf weeds and weed grasses:

Broadleaf Weeds

bittercress
 carpetweed
 coast fiddleneck
 common chickweed
 common groundsel
 common purslane
 desert rockpurslane
 Florida pusley
 henbit
 lambsquarters
 London rocket
 pigweeds
 prostrate knotweed
 prostrate spurge
 puncturevine
 redstem filaree
 shepherdspurse
 whitestem filaree

Weed Grasses

annual bluegrass
 barnyardgrass
 brachiaria
 browntop panicum
 crabgrasses
 crowfootgrass
 fall panicum
 foxtails
 field sandbur
 goosegrass
 Italian ryegrass
 johnsongrass (seedling only)
 junglerice
 little barley
 little lovegrass
 Mexican lovegrass
 orcutt lovegrass
 red sprangletop



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yellow woodsorrel (oxalis)	signalgrass
	southwestern cupgrass
	Texas panicum
	wild oats
	witchgrass

XL 2GR provides partial control of the following weeds, depending on soil and weather conditions:

Broadleaf Weeds

annual sowthistle
 black mustard
 black nightshade
 climbing milkweed
 common mallow
 common ragweed
 horseweed
 ladythumb

Weed Grasses

morningglory
 prickly lettuce
 smartweed
 spotted spurge
 teaweed (prickly sida)
 velvetleaf
 volunteer wheat
 wild mustard

WHERE CAN I USE XL 2GR?

Apply XL 2GR over the top of **ESTABLISHED** shrubs, flowers, ground covers, bulbs, and warm season grasses. **ESTABLISHED** plants are those that have been transplanted into their final growing location and have the soil firmly settled around the roots from packing and rainfall or irrigation. To determine if it is permitted to apply XL 2GR over the top of any specific plant, refer to the "**List of Tolerant Plants**" located near the end of this label. In areas treated with XL 2GR, plant only ornamental species listed on the label for a period of one-year following application or injury may occur.

Note: If you will be transplanting plants into previously treated areas, untreated soil should be used to backfill such plants, or injury may occur.

Do not apply XL 2GR in ornamental plantings where the herbicide may runoff onto lawn areas containing dichondra or cool season turfgrasses. XL 2GR can cause severe injury or death in these plants.

Always read and follow the label directions when applying XL 2GR.

WHEN TO APPLY XL 2GR

XL 2GR stops weeds during germination. IT WILL NOT KILL ESTABLISHED WEEDS. Proper timing of application is important for best results. To be effective, XL 2GR must be applied before the weeds emerge.

In ornamental flower and shrub beds

For best results, apply XL 2GR as soon as possible after tilling, killing or pulling existing weeds from bed area. Since many weeds germinate in the spring, an application in early spring prior to the germination of annual broadleaf weeds and weed grasses is ideal (consult your extension agent or master gardener for the proper time to treat in your area). In warm climates with long growing seasons, a second application may be required 6 to 8 months after the first application to extend effective control.

Over the top of ornamental bulbs

Apply XL 2GR to the soil surface in the fall 2 to 4 weeks after planting of bulbs, but before annual weeds begin to sprout. Apply XL 2GR again in late winter or early spring. Before applying, remove any existing weeds from bed area. In the spring, do not apply to tulip plants that have grown to a height greater than 3/4". If you will be transplanting plants listed on this label into previously treated beds, use untreated soil to backfill such plants, or injury may occur. Otherwise, wait one year and cultivate deeply prior to planting other plants following use of XL 2GR.

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In warm-season turfgrasses such as: tall fescue, bermudagrass, St. Augustinegrass, centipedegrass, zoysiagrass, buffalograss or bahiagrass

For maximum effectiveness, apply prior to the germination of broadleaf weeds and grass weeds (consult your extension agent for the proper time in your area). Apply in late winter to prevent emergence of spring germinating weeds, early spring to prevent summer annual weed grasses and broadleaf weeds, and late summer or early fall to prevent emergence of annual bluegrass and broadleaf winter annuals. If you miss the initial application period, partial control can still be achieved by using XL 2GR later than the optimal time since weeds and weed grasses continue to sprout throughout the growing season. Be sure to kill or pull all existing weeds prior to applying XL 2GR because XL 2GR will not control established weeds. In warm climates with long growing seasons, a second application may be required 4 to 6 months after the first application to extend control.

Turfgrass Precautions:

- XL 2GR should not be applied in the spring to turfgrass planted the previous fall.
- In bermudagrass areas that have been over-seeded with winter grasses, a spring application of XL 2GR may thin the overseeded grasses.
- XL 2GR should not be used on dichondra.
- XL 2GR should not be applied to newly sprigged areas of bermudagrass, St. Augustinegrass, centipedegrass, or zoysiagrass until these turfs are well established.
- Do not use on turf type tall fescue in spring and summer following fall seeding.
- Do not apply XL 2GR in late summer or early fall to areas where fall overseeding will occur.
- Wait at least six weeks after application of XL 2GR to reseed turfgrasses. When using XL 2GR at the highest rate, delay reseeding for 12 to 16 weeks following application.
- For satisfactory reseeding results, increase the amount of seed used and use equipment designed to place seed in contact with the soil.
- This product must be watered in as soon as possible after application to dissolve the granules. A single rainfall or irrigation of ½ inch or more is required after product application.

HOW TO APPLY XL 2GR

Read and follow all instructions for the application equipment. Always calibrate equipment according to the manufacturer's directions before applying.

On ornamental tree and shrub and flower beds

Before applying XL 2GR, make sure shrub beds are free of established weeds. Remove weed residues, prunings, and trash. Remove or break up large soil clods. Apply XL 2GR evenly over the shrub or bedding area using equipment designed to apply granular herbicides or insecticides (such as a rotary spreader). Read and follow all instructions for the application equipment. Always calibrate equipment according to the manufacturer's directions before applying. During application, check frequently to be sure equipment is working properly and distributing granules uniformly. For a more uniform application, spread one-half the desired amount over the area in one direction, then apply the remaining half at right angles to the first. For optimum weed control performance, thoroughly water in XL 2GR within a few hours after application to dissolve the granules.

On tall fescue, bermudagrass, St. Augustinegrass, centipedegrass, zoysiagrass, buffalograss and bahiagrass lawns

Apply XL 2GR to established turf before germination of target weeds since XL 2GR will not control established weeds. Apply XL 2GR evenly over the turfgrass area using a rotary spreader or other equipment used to apply granular herbicides or insecticides. Calibrate equipment according to the manufacturer's directions before applying. During application, check frequently to be sure equipment is working properly and distributing granules uniformly. For a more uniform application, spread one-half the desired amount over the area in one direction, then apply the remaining half at right angles to the first. For optimum weed control performance, thoroughly water in XL 2GR within a few hours after application.

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to dissolve the granules.

HOW MUCH XL 2GR SHOULD BE APPLIED?

Use the charts below to determine how much XL 2GR to apply. Over-application may result in plant injury or excessive soil residue.

Ornamental shrubs and beds:

Desired Length of Control	Rate of XL 2GR (lb/1000 sq ft)	Minimum Time Between Applications (months)	Total Amount Allowed per Year (lb/1000 sq ft)
3 - 4 months	4 1/2**	2	9

**Equivalent to 200 lb. XL 2GR per acre.

Ornamental bulb beds:

Time of Application	Soil Texture	Rate of XL 2GR (lb/1000 sq ft)	Minimum Time Between Applications (months)	Total Amount Allowed per Year (lb/1000 sq ft)
Fall	Coarse	1 3/4**	3	3.4
Fall	Medium and Fine	3 1/2****	3	5.2
Feb. - March	All Soil Textures	1 3/4**	3	5.2

**Equivalent to 75 lb. XL 2GR per acre

****Equivalent to 150 lb XL 2GR per acre

Turfgrass:

Type of weed	Time of Application	Amount of XL 2GR†
spring germinating	late winter	2 1/2 to 3 1/2 lb / 1000 sq ft
summer annual grass-weeds and broadleaf weeds	early spring	3 1/2 lb / 1000 sq ft
annual bluegrass (<i>Poa annua</i>) and broadleaf winter annuals	late summer/early fall	3 1/2 lb / 1000 sq ft

†XL 2GR may thin established annual bluegrass (*Poa annua*) turfs and fine-leaved fescues at rates above 2 1/2 lb/1000 sq ft

Rate of XL 2GR (lb/1000 sq ft)	Minimum Time Between Applications (months)	Total Amount Allowed per Year (lb/1000 sq ft)
2 1/2 - 3 1/2**	3	5 - 7

**Equivalent to 100 – 150 lb XL 2GR per acre

Helpful Application Techniques for XL 2GR

On Ornamental Shrub Beds:

1. Handheld rotary applicators are ideal for broadcast applying XL 2GR. The rate of application depends on the gauge setting, walking speed of the operator and the speed of turning the crank.

Walk and turn the crank at a constant rate of speed.

- 2. For hard to reach, small areas, a small container with holes punched in the bottom makes an excellent shaker type applicator.
- 3. On large areas, the push-type propelled rotary applicator does a fine job.
- 4. Optimum weed control performance will be obtained if XL 2GR is watered in to the soil within a few hours after application.

On Turfgrass:

- 1. Small area application is easy using a small rotary applicator. To insure proper coverage and avoid missed areas, early morning treatment when wheel tracks are evident in the dew and the wind is calm is ideal.

Spreader Settings:

[Editor's note: Subregistrant may include spreader settings for recommended equipment.]

List of Tolerant Plants

Do not apply to Begonia, Coleus, Slender Deutzia, Douglas Fir, Techny Arborvitae and Eastern Hemlock as injury may occur.

The following ESTABLISHED plants are tolerant to applications of XL 2GR.

Established Flowers

- Aster, Stokes
- Baby's Breath
- Bird Of Paradise
- Blazing Star
- Bleeding Heart
- Caladium, Fancy Leafed
- Chrysanthemum
- Coneflower, Purple
- Coreopsis
- Daisy, Gloriosa (Black-Eyed Susan)
- Daisy, Painted
- Daisy, Shasta
- Geranium
- Geum
- Gladiolus
- Impatiens (Busy Lizzie)
- Iris, Bearded
- Marigold
- Marigold, Cape
- Moss, Rose
- Pansy
- Petunia
- Ranunculus, Persian
- Rose
- Sage
- Snapdragon

- Sweet William
- Yarrow
- Zinnia, Common

Established Ornamental Shrubs

- Abelia, Glossy
- Acacia, Prostrate
- Agave
- Andromeda
- Arborvitae, American
- Arborvitae, Aureus Nana-Dwarf Golden
- Arborvitae, Emerald
- Arborvitae, Globosa-Globe
- Arborvitae, Little Giant-Dwarf
- Arborvitae, Minima Glauca-Dwarf
- Arborvitae, Nigra-Dark American
- Arborvitae, Oriental
- Arborvitae, Pyramidalis
- Arborvitae, Rheingold
- Arborvitae, Woodwardii
- Azalea
- Bamboo, Compacta-Dwarf Heavenly
- Bamboo, Harbour Dwarf-Heavenly
- Bamboo, Heavenly
- Bamboo, Nana Compacta-Heavenly
- Bamboo, Nana Purpurea-Heavenly
- Bamboo, Woods Dwarf-Heavenly

Protea
 Pyracantha, Lolendei Monrovia
 Pyracantha, Monon
 Pyracantha, Rutgers Hybrid
 Pyracantha, Santa Cruz
 Pyracantha, Victory
 Pyrcantha, Red Elf Hybrid
 Rhaphiolepis, Enchantress-Moness
 Rhaphiolepis, Roundleaf
 Rhaphiolepis, Springtime-Monme
 Rose Of Sharon, Red Bird
 Rose Of Sharon, Red Heart
 Rose Of Sharon, Woodbridge
 Rose, Ramanas
 Rosemary
 Shrimp Plant
 Snowdrift
 Sotol, Desert Spoon
 Spiraea, False
 Spruce, Repens-Spreading Norway
 Spruce, Repens-Weeping Norway
 Spurge, Japanese
 St. Johnswort
 Sumac, African
 Viburnum
 Viburnum, Compactum-Spring Bouquet
 Viburnum, David
 Viburnum, Doublefile
 Viburnum, Eastern Snowball
 Viburnum, Laurustinus,
 Viburnum, Sandankwa
 Viburnum, Tea
 Weigela, Bristol Ruby
 Weigela, Java Red
 Weigela, Minuet
 Wintercreeper
 Woadwaxen
 Woodbine, Flowering
 Woodbine, Serotina
 Xylosma
 Yew
 Yew, Japanese
 Yewpine
 Yucca, Pendulous
 Yucca, Soaptree,

Established Ground Covers

Bellflower
 Blue fescue
 Cape weed
 Carpet bugle
 Daisy, Trailing African
 Gazania
 Grass, Mondo
 Grass, Pampas
 Honeysuckle, Japanese

Ice plant
 Ice plant, largeleaf
 Iceplant, Red Trailing
 Iceplant, Trailing rosea
 Iceplant, White
 Ivy, Algerian
 Ivy, English
 Jasmine, Chinese Star Periwinkle, Bigleaf
 Lily Turf, Big blue
 Lily Turf, Lilac Beauty
 Lily Turf, Majestic
 Lily Turf, Monroe white
 Lily Turf, Silvery Sunproof
 Lily Turf, Variegated liriop
 Lily Turf, White
 Lily, Day
 Lily, plantain
 Lily-of-the-Nile
 Periwinkle, Bigleaf
 Periwinkle, Dwarf
 St. Johnswort
 Stonecrop
 Trumpet Vine, Violet

Established Trees

Ash
 Birch, Paper
 Birch, River
 Birch, White
 Blue Palo Verde
 California Pepper Tree
 Carob
 Carrotwood,
 Cherry, Mahaleb
 Cherry, Yoshino Flowering
 Cottonwood
 Crabapple
 Cryptomeria, Japanese
 Cypress, Arizona
 Cypress, Filicoides-femspray
 Cypress, Gracilis-slender Hinoki
 Cypress, Italian
 Cypress, Lawson false
 Cypress, Sawara-false
 Cypress, Squarrosa-moss
 Dogwood, flowering
 Elm, Chinese
 Eucalyptus, Mealy
 Eucalyptus, Narrow-leaved
 Eucalyptus, Red gum
 Eucalyptus, Red ironbark
 Eucalyptus, Silver Dollar
 Ficus
 Fir, Alpine
 Fir, Balsam
 Fir, Fraser

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Storage and Disposal

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

Pesticide Storage: Store in original container out of the reach of children and pets. In case of leak or spill, contain material and dispose of waste.

Pesticide Disposal: : Nonrefillable container. Do not reuse or refill this container.

If empty Place in trash or offer for recycling if available.

If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain. **[Editor's Note:** Supplemental distributor will insert own toll free number.]

**IMPORTANT INFORMATION
READ BEFORE USING PRODUCT**

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 refunded.

The Directions for Use of this product reflect the opinion of experts based on field use and tests, and must be followed carefully. It is impossible to eliminate all risks 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.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, UNITED PHOSPHORUS, INC. AND SELLER MAKE NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ON THIS LABEL.

To the extent consistent with applicable law, United Phosphorus, Inc. or Seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product and **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF UNITED PHOSPHORUS, INC. 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 UNITED PHOSPHORUS, INC. OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

United Phosphorus, Inc. 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 the duly authorized representative of United Phosphorus, Inc.

Surflan is a registered trademark of United Phosphorus, Inc.
Rev. 7/1/09

NOTIFICATION

AUG 20 2009