

US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (75-767)
WASHINGTON, DC 20460

EPA REGISTRATION NO.

3373-48

DATE OF ISSUANCE
OCT - 3 1995

TERM OF ISSUANCE

Conditional, Expires: December 31, 1997

NAME OF PESTICIDE PRODUCT

Dimension[®] 60 Turf Herbicide
with Flight Hood

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION
(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

KNOX FERTILIZER COMPANY
P.O. BOX 240
KNOX, IN 46534

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 reregistered in accordance with Rule section 310.7(a) provided that you:

1. Add the phrase "EPA registration no. 3373-48" to the label before you sell the product for sale.
2. Delete the statement: "Noted: in the state of New York only - for professional turf application only. Not for use in Nassau or Suffolk Counties." on the home lawn use label. Add to the home lawn use label the restriction: "Not for use in the state of New York.", directly following the violation statement. Add to the professional use label the restriction: "In the state of New York do not use in Nassau County and Suffolk County.", directly following the violation statement.
3. Separate the statement "Do not apply this product to colonial bentgrass (*Agrostis canadensis*) varieties." from the other statements in this paragraph because it is unrelated to the asterisks.

Continued on Page 2 of this Notice

Enclosure

Joanne I. Miller
Product Manager (23)
fungicide-herbicide branch
Registration Division (7505C)

ATTACHMENT IS APPLICABLE

BEST COPY AVAILABLE

SIGNATURE OF APPROVING OFFICIAL:

Joanne I. Miller

DATE

OCT - 3 1995

1 of 10
PM23
8378-48

Page 2 of Notice of Registration

Dimension® 80 Turf Herbicide with Plant Food

EPA Registration No. 8378-48

- 4. Correct the text of the home lawn use label that reads: "see the "Crabgrass Control" and "Precautions" sections on this label." by giving the complete names of the referred-to sections of the label.
- 5. Submit five (5) copies of the final printed labeling before you release the product for shipment.

and provided that Monsanto and Monsanto Company, the manufacturer of the active ingredient of this product, submits all the required data to continue the registration of dithiopyr as listed in the EPA Fact Sheet No. 223.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. Stamped copies of the labels are enclosed for your records.

BEST COPY AVAILABLE

Dimension® 80 Turf Herbicide with Plant Food

3910

Contains Dimension® - a Selective Herbicide that provides control of annual grasses and broadleaf weeds in established lawns and ornamental turf. Not for use on turf being grown for sale or other commercial use, as sod, or for commercial seed production, or for research purposes. Contains a Quality Lawn Food. This Product is Designed for Use on Home Lawns.

ACTIVE INGREDIENT: Dithiopyr, 3,5-pyridinedicarbothioic acid,
2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-S,S-dimethyl ester - - 0.08%
INERT INGREDIENTS: - - - - - 99.92%
TOTAL 100.00%

NET WEIGHT 18 LBS. (8.16 Kg)
Treats Up to 5,000 Sq. Ft.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

Fertilizer Guarantee Analysis	
Nitrogen	20%
Phosphate	10%
Potash	5%
Derived from Urea, Ammoniated Phosphate, Muriate of Potash.	

EPA Reg. No. 8378- Product contains Dimension® a Trade Mark of Rohm & Haas EPA Est. No. 8378-IN-1
The first letter of code on package and indicates location of manufacturing plant. Fertilizer guarantee found on separate label.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION: Causes eye irritation. Harmful if inhaled. Avoid contact with eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Prolonged or frequently repeated skin contact while handling this material may cause allergic reaction in some individuals.

FIRST AID

IF IN EYES: Immediately flush eyes with plenty of water. Get medical attention if irritation persists. **IF INHALED:** Remove individual to fresh air. Seek medical attention if breathing difficulty develops.

ENVIRONMENTAL HAZARDS

Is pesticide toxic to fish and highly toxic to other aquatic organisms including oysters and shrimp. Use with care when applying to turf areas adjacent to any body of water. Drift or runoff may adversely affect aquatic organism in adjacent aquatic sites. 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 apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwaters. Notice: In the State of New York Only - For Professional Turf Application Only. Not for use in Nassau or Suffolk Counties.

DIRECTIONS FOR USE: It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

STORAGE AND DISPOSAL

STORAGE: Store this product only in its original container in a dry, cool, secured storage area. Do not contaminate water, foodstuffs, feed or seed by storage or disposal.
PRODUCT DISPOSAL: As a responsible environmental practice, where possible, it is recommended that all of the contents of the bag be used, carefully following label directions and precautions. If it is necessary to dispose of a partially filled bag, securely wrap the bag in several layers of newspaper and discard in the trash.
EMPTY CONTAINER DISPOSAL: Do not reuse bag. Discard bag in trash. **SPILL:** In case of spill, sweep up, wrap in newspaper and discard in trash.

GENERAL INFORMATION

This product is a selective herbicide that provides control of crabgrass and other annual grasses and broadleaf weeds in established lawns and ornamental turfs. This product will not harm nearby established ornamentals when used according to label directions.

USE PRECAUTIONS

Turfgrass Safety: This product may be used on seeded, sodded, or sprigged lawns and ornamental turfs that are well established. The grass must have developed a good root system and a uniform stand, and have received at least two mowings following its seeding, sodding or sprigging before it can receive the first application of this product. Use of this product on lawns and ornamental turfs that are not well established, or on those that have been weakened by weather, pest-, or mechanical-related stress, may increase the chance of turf injury. This product should only be applied to lawns and ornamental turfs that are part of the following turfgrass species that have been determined to be tolerant to applications of this product. When applied as directed under the conditions described, the following established turfgrasses are tolerant to this product.

Cool-Season Grasses	Warm-Season Grasses
Bentgrass, creeping	Bahiagrass
Bluegrass, Kentucky	Bermudagrass
Fescue, fine	Buffalograss
Fescue, tall	Carpentergrass
Ryegrass, perennial	Centipede
	Kikuyugrass
	St. Augustinegrass
	Zoysiagrass

RESEEDING, OVERSEEDING, OR SPRIGGING

Reseeding, overseeding, or sprigging of treated areas within 4 months after application of this product may inhibit the establishment of desirable turfgrasses. When reseeding or overseeding, proper cultural practices such as soil cultivation, irrigation and fertilization should be followed. For best results, use mechanical or power seeding equipment, (sift sowers) designed to give good seed to soil contact.

OTHER USE PRECAUTIONS

The early postemergence crabgrass control described below is limited. Postemergence applications are only effective on crabgrass if applied before crabgrass has displayed its fifth leaf.

For best results, cultural practices that disturb the soil, such as core aeration or verticutting, should be done before application of this product. DO NOT apply this product until the grass has recovered from these cultural practices.

Apply this product directly to established lawns or ornamental turfs only. DO NOT apply to flowers, vegetables, shrubs, or trees. DO NOT use clippings from treated turf for mulching around vegetables or fruit trees. DO NOT apply this product to pastures.

Keep people and pets off treated areas until dust has settled.

APPLICATION DIRECTIONS-CONTROL OF CRABGRASS Preemergence and Early Postemergence Control

This product provides "preemergence" control of crabgrass (both large and smooth species) when applied prior to the emergence of crabgrass from the ground in established lawns and ornamental turfs.

It can also provide "early postemergence" control of crabgrass during the early stages of crabgrass growth after the crabgrass has emerged from the ground. However, it is often difficult to identify the very small, early stages of crabgrass in well-established lawns and ornamental turfs.

So the practical benefit of this product's additional, early postemergence activity is that (compared to strictly preemergence crabgrass control products) it can give the user a 2 to 4 week longer period of time to make applications and still control crabgrass.

Application Timings

This product may be applied as a single application or as a sequential application for crabgrass control. DO NOT apply more than 14 1/3 lbs. per 1,000 sq. ft. per year. Applications may be made in the spring and in the fall.

APPLICATION EQUIPMENT AND INSTRUCTIONS

Apply this product with drop or rotary-type spreaders designed to apply granular herbicides. Avoid the use of spreaders that would apply this product in narrow rows or concentrated bands. Before each application, calibrate the spreader according to the equipment manufacturer's directions for adjusting the spreader settings such that the spreader delivers the appropriate application rate recommended above.

Apply this product uniformly over the lawn or ornamental turf area. A more uniform application can be made by spreading half of the required amount over the area and then applying the remaining half at a right angle to the previous direction. Avoid streaking, skips, or overlaps during application. Check equipment frequently to ensure equipment is functioning properly and applying uniform distribution of granules.

SPREADER SETTINGS FOR 18 lb. BAG				
Cover	5,000 sq. ft.	3,500 sq. ft.	2,500 sq. ft.	1,700 sq. ft. - 1,255 sq. ft.
Cyclone	XX	XX	XX	XX
Scotts	XX	XX	XX	X.

NOTICE: Seller warrants that this product conforms to the ingredient statement on the label. Because conditions of use, such as weather, compatibility with other products, and conditions of application equipment will vary, seller makes no claims other than those stated on this label. (Dimension pm5106 03-95)

LENGTH OF CONTROL OF CRABGRASS

The length of time of residual weed control provided by this product is directly related to the total rate applied.

Depending on the desires of the user, this product may be applied at the use rates recommended in Table 1 below for the user's particular region to get 2 to 3 months of weed control, or it may be applied at rates listed in Table 2 below to get 3 to 6 months of control from date of application.

The actual length of control will vary somewhat depending on weather, weed pressure, and the user's location within the north or south region.

TABLE #1 - RECOMMENDED USE RATES FOR 2 TO 3 MONTHS CONTROL OF CRABGRASS*

Region	Preemergence	Postemergence
North Lawns	18 lbs. to treat 5,000 sq. ft.	18 lbs. to treat 3,500 sq. ft.
South Lawns	18 lbs. to treat 3,500 sq. ft.	18 lbs. to treat 1,700 sq. ft.

TABLE #2 - RECOMMENDED USE RATES FOR 3 TO 6 MONTHS CONTROL OF CRABGRASS*

Region	Preemergence	Postemergence
North Lawns	18 lbs. to treat 3,500 sq. ft.	18 lbs. to treat 2,500 sq. ft.
South Lawns	18 lbs. to treat 2,500 sq. ft.	18 lbs. to treat 1,255 sq. ft.

*South includes: AL, AR, AZ, CA, FL, GA, HI, LA, MS, NC, NV, NY, OK, SC, TN, TX, VA; - North includes all other States.

DO NOT apply more than 14 1/3 lbs. of this product /1,000 sq. ft. per year. Postemergence control is limited; see the "Crabgrass Control" and "Precautions" sections on this label.

SPRING APPLICATIONS

When applied in the spring, a single application of this product at the appropriate "preemergence" rate listed in Table 1 above, will provide control of crabgrass for 2 to 3 months after application.

Use the preemergence rate listed in Table 2 when the application is made very early in the spring (mid-February to mid-April) and longer control is required.

Alternatively, a second (sequential) application at the preemergence rate listed in Table 1 can be made 6 to 8 weeks after an early first application at the same rate to provide extended control where sequential fertilizer applications are recommended.

When crabgrass has (or is likely to have) already emerged from the ground in your area and early postemergence control of crabgrass is desired, use the appropriate "postemergence" rate listed in Table 1.

Use the postemergence rate listed in Table 2 when crabgrass has already emerged, but it is still relatively early in the spring.

FALL APPLICATIONS

This product can also be applied in the late summer or early fall (July/August through October) at the preemergence use rates listed in Table 2 to provide control of crabgrass through the early part of the next spring.

The fall application should be followed by a mid-to-late spring application at the appropriate postemergence rate to provide season-long control.

TIPS FOR IMPROVED CONTROL

For best results, apply this product within a few days after mowing and delay mowing again for a few days after the application.

When treated lawn or ornamental turf areas are watered or receive significant rainfall within a few days after application of this product, improved weed control may result.

CONTROL OF OTHER GRASS AND BROADLEAF WEEDS

Spring Applications: When applied as directed for crabgrass control in the spring, this product will also control (at the "postemergence" rates) or suppress (at the "preemergence" rates) the emergence of the following weeds:

Bermudagrass	Lespedeza (common)
Bluegrass (Annual)	Oxalis (bulbous, creeping & yellow woodruff)
Crowfootgrass	Purslane (common)
Foxtail (Yellow & Green)*	Speedwell (corn)
Goosegrass	Spurge (prostrate & spotted)
Kikuyugrass	
Ryegrass (Annual & Perennial)	
Smartweed	

*Foxtail is also controlled at the preemergence rates.

FALL APPLICATIONS

When applied as directed for early fall use, for crabgrass control through the early part of the next spring, this product will also control (at "postemergence" rates) or suppress (at "preemergence" rates) the emergence of these weeds:

Bluegrass (Annual)	Gardenia (Carolina)
Bitter root	Parley-plant
Chickweed	Pinappleweed
Henbit	Shepherdspurse

KNOX FERTILIZER COMPANY, INC.
P.O. BOX 248 - KNOX IN 46524

BEST COPY AVAILABLE

DIMENSION[®] 80

TURF HERBICIDE with PLANT FOOD

Dimension[®] 80. is a selective herbicide that provides control of listed annual grasses and broad-leaf weeds in established lawns and ornamental turfs, including golf course fairways, roughs, and tee boxes. **Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.**

ACTIVE INGREDIENTS:

Dithiopyr, 3,5-pyridinedicarbothioic acid,
2-(difluoromethyl)-4-(2-methylpropyl)- 6-
(trifluoromethyl)-S,S-dimethyl ester 0.08%

INERT INGREDIENTS: 99.92%

Total 100.00%

Product protected by U.S. Patent No. 4,692,184. Other patents pending.

EPA Reg. No. 8378-

EPA Est. no. 8378-IN-1

Read the entire label before using this product.

Use only according to label instructions.

NOTICE: Before using this product, read the entire Precautionary Statements, Conditions of Sale and Warranty, Directions for Use, Use Restrictions and Storage and Disposal Instructions. If the Conditions of Sale and Warranty are not acceptable, return the product unopened within thirty days of purchase to the place of purchase.

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID: IF IN EYES- Immediately flush with plenty of water. Get medical attention if irritation persists. IF INHALED- Remove individual to fresh air. Seek medical attention if breathing difficulty develops.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION! CAUSES EYE IRRITATION. HARMFUL IF INHALED. Avoid contact with eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Prolonged or frequently repeated skin contact while handling this material may cause allergic reaction in some individuals.

Net Weight 50 Pounds

KNOX FERTILIZER COMPANY, INC.

P.O. BOX 248

KNOX, IN 46534

ENVIRONMENTAL HAZARDS

This product is toxic to fish and highly toxic to other aquatic organisms including oysters and shrimp. Use with care when applying to turf areas adjacent to any body of water. Drift and runoff from treated turf may adversely affect aquatic organisms in adjacent aquatic sites. 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 apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE

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

CONDITIONS OF SALE AND WARRANTY

KNOX FERTILIZER COMPANY warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. KNOX FERTILIZER COMPANY MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES EITHER OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Handling, storage and use of the product by Buyer or User are beyond the control of KNOX FERTILIZER COMPANY and Seller. Risks such as crop injury, ineffectiveness or other unintended consequences resulting from, but not limited to, weather or soil conditions, presence of other materials, disease, pest, drift to other crops or property or failure to follow label directions will be assumed by the Buyer or User. IN NO CASE WILL KNOX FERTILIZER COMPANY OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT.

GENERAL INFORMATION

This product is a selective herbicide that provides control of crabgrass and other annual grasses and broadleaf weeds in established lawns and ornamental turfs, including golf course fairways, roughs, and tee boxes. This product will not harm nearby established ornamentals when used according to label directions.

USE PRECAUTIONS

Turfgrass Safety

This product may be used on seeded, sodded, or sprigged lawns and ornamental turfs that are well-established. The grass must have developed a good root system and a uniform stand, and have received at least two mowings following its seeding, sodding, or sprigging before it can receive its first application of this product. Use of this product on lawns and ornamental turfs that are not well-established, or on those that have been weakened by weather-, pest-, disease-, chemical-, or mechanical-related stress, may increase the chances for turf injury.

FERTILIZER GUARANTEE

Nitrogen (N) - - - - - Variable %
 Available Phosphate(P2O5) - - - - - Variable %
 Soluble Potash (K2O) - - - - - Variable %

The nitrogen and potash materials in this product have been coated to provide ___% coated slow release nitrogen(n) and ___% coated slow release soluble potash (K2O).
 Derived from polymer coated urea and polymer coated nitrate of potash.

SPREADER SETTING

Lbs. of product to apply /1,000 sq.ft.





	3.58 lbs	5.16 lbs	7.20 lbs	10.6 lbs	14.3 lbs
Spreader Cyclone	XXX	XXX	XXX	XXX	XXX
Scotts	XXX	XXX	XXX	XXX	XXX

This product should only be applied to lawns and ornamental turfs that are composed of the following turfgrass species that have been determined to be tolerant to applications of this product. When applied as directed under the conditions described, the following established turfgrasses are tolerant to this product:

Cool-Season Grasses

Common Name	Scientific Name
Bentgrass, creeping*	<i>Agrostis palustris</i>
Bluegrass, Kentucky	<i>Poa pratensis</i>
Fescue, fine**	<i>Festuca rubra</i>
Fescue, tall	<i>Festuca arundinacea</i>
Ryegrass, perennial	<i>Lolium perenne</i>

TURFGRASS REGIONS

- Northern States - 
 Transition States - 
 Southern States - 
 Coastal Southern - 



Warm-Season Grasses

Common Name	Scientific Name
Bahiagrass	<i>Paspalum notatum</i>
Bermudagrass	<i>Cynodon dactylon</i>
Buffalograss***	<i>Buchloe dactyloides</i>
Carpetgrass	<i>Axonopus affinis</i>
Centipedegrass	<i>Eremochloa ophiuroides</i>
Kikuyugrass	<i>Pennisetum clandestinum</i>
St. Augustinegrass	<i>Stenotaphrum secundatum</i>
Zoysiagrass	<i>Zoysia japonica</i>

*DO NOT apply this product to Colonial bentgrass (*Agrostis tenuis*) varieties. Use of this product on certain varieties of creeping bentgrass, such as 'Cohansey', 'Carmen', 'Seaside', and 'Washington' may result in undesirable turfgrass injury. Not all varieties of creeping bentgrass have been tested.

**Use of this product on certain varieties of fine fescue may result in undesirable turf injury. The following fine fescue varieties have been found to be sensitive to this product: 'Atlanta', 'Banner', 'Beauty', 'Bilgart', 'CF-2', 'Enjoy', 'HF-93', 'Highlight', 'Ivalo', 'Jamestown', 'Koket', 'Majenta', 'Mary', 'Pennlawn', 'Tamara', 'Tatjana', 'Waldorf', and 'Waldina'. Not all varieties of fine fescue have been tested.

***DO NOT use this product on seedling buffalograss in the spring of the first year of establishment until the turfgrass is fully green and has established new roots.

Reseeding, Overseeding, or Sprigging

Reseeding, overseeding, or sprigging of treated areas within 4 months after application of this product may inhibit the establishment of desirable turfgrasses. When reseeding or overseeding, proper cultural practices such as soil cultivation, irrigation and fertilization should be followed. For best results, use mechanical or power seeding equipment (slit seeders) designed to give good seed to soil contact.

Golf Course Putting Greens

DO NOT use this product on golf course putting greens.

Other Use Precautions

The early postemergence crabgrass control described below is limited. Postemergence applications are only effective on crabgrass if applied before crabgrass has displayed its fifth leaf or first tiller. For best results, cultural practices that disturb the soil, such as core-, spike-, or hydro-aerification, and verticutting, should be done before application of this product. DO NOT apply this product until the grass has recovered from these cultural practices.

Apply this product directly to established lawns or ornamental turfs only. DO NOT apply to flowers, vegetables, shrubs, or trees.

DO NOT use clippings from treated turf for mulching around vegetables or fruit trees.

DO NOT apply this product to pastures. Keep people and pets off treated areas until dust has settled.

APPLICATION DIRECTIONS

Control of Crabgrass

Preemergence and Early Postemergence Control.

This product provides "preemergence" control of crabgrass (including the large, smooth, and southern species) when applied prior to the emergence of crabgrass from the ground in established lawns and ornamental turfs.

It can also provide "early postemergence" control of crabgrass during the early stages of crabgrass growth after the crabgrass has emerged from the ground. However, it is often difficult to see the very small, early stages of crabgrass in well-established lawns and ornamental turfs. Postemergence crabgrass control will be obtained only when this product is applied prior to the tillering of crabgrass, which generally corresponds to the time when you can first easily see the crabgrass plants in the lawn or turf. So the practical benefit of this product's additional, early postemergence activity is that (compared to strictly preemergence crabgrass products) it can give the user a 2-4 week longer period of time to make applications and still control crabgrass.

Application Frequency and Timing.

This product may be applied as a single application, as a split application, or as a sequential application for crabgrass control in the spring, summer, or fall.

DO NOT apply more than 14.3 pounds of this product per 1,000 sq.ft. per application, and no more than 43 pounds of this product per 1,000 sq.ft. per year

Spring Applications.

For single applications made in the spring or early summer, this product should be applied at the appropriate rate corresponding to one of the three control programs listed in Table 1 below, depending on the user's location, the turfgrass mowing height, and whether the use is considered to be preemergence or early postemergence at the time of the application. The duration of residual weed control provided by this product is directly related to the total rate applied, but will vary somewhat depending on weather, weed pressure, turfgrass competitiveness, and the user's location within a region.

Use Program #1 for preemergence control at sites where the turfgrass is cut high (e.g., homeowner lawns). This program provides 3-5 months of preemergence crabgrass control. This program should not be used for early postemergence crabgrass control.

Use Program #2 for preemergence control at sites where (a) turfgrass is cut low (e.g., golf fairways), and (b) turfgrass maintenance or weed control has not been conducted during the previous year. This program provides 4-6 months of preemergence crabgrass control. This program may also be used for early postemergence control at sites where turfgrass is cut high (e.g., homeowner lawns).

Use Program #3 for preemergence control at sites where (a) turfgrass is cut low (e.g., golf fairways) and (b) turf maintenance or weed control has not been conducted during the previous year. This program provides 4-6 months of preemergence crabgrass control. This program may also be used for early postemergence control at sites where turfgrass is cut low (e.g., golf fairways).

Subsequent, sequential pre- and/or postemergence applications should be made where longer periods of control are desired.

Where split fertilizer applications are recommended the rates in Table 1 may be split across two applications made 6-10 weeks apart and prior to crabgrass emergence.

Table 1: Recommended Single Application Use Rates*
(Pounds of this product/1000 sq. ft)

PROGRAM	#1	#2	#3
USE (turfgrass cut)	Preemergence (<u>high-cut turf</u>)	Preemergence (<u>low-cut turf</u>) Postemergence (high-cut turf)	Preemergence (<u>low-cut turf</u>) Postemergence (low-cut turf)
REGION			
North	3.58 lbs./1,000 sq.ft.	5.16 lbs./1,000 sq.ft.	7.20 lbs./1,000 sq.ft.
Transition	5.16 lbs./1,000 sq.ft.	7.20 lbs./1,000 sq.ft.	10.6 lbs./1,000 sq.ft.
South	7.20 lbs./1,000 sq.ft.	10.6 lbs./1,000 sq.ft.	14.3 lbs./1,000 sq.ft.
Coastal South	10.6 lbs./1,000 sq.ft.	14.3 lbs./1,000 sq.ft.	14.3 lbs./1,000 sq.ft.**

*DO NOT apply more than 14.3 lbs. of this product/1000 sq. ft. per application, and no more than 43 pounds of this product/1000 sq. ft. per year. Postemergence control is limited; see "Crabgrass Control" and "Precautions" sections above. Regions include areas listed below. See Map of United States.

North: all other areas.

Transition: DE, KS, KY, MD, MO, NJ, VA, southeastern PA, southern areas of IL, IN, OH, & coastal areas of CT, NY, & RI.

South: AL, AR, AZ, CA, GA, LA, MS, NC, NM, NV, OK, SC, TN, & TX

Coastal South: HI, FL, & southern coastal areas of AL, GA, LA, MS, NC, SC, & TX.

**May require split or sequential applications for full control.

Fall Applications.

This product can also be applied in the late summer or early fall (late August through November) at the "Program 3" use rates listed in Table 1 to provide control of crabgrass through the early part of the next spring.

The fall application should be followed by an appropriate spring application to provide season-long control.

Tips for Improved Control:

For best results, apply this product within a few days after mowing and delay mowing again for a few days after the application.

When treated lawn or ornamental turf areas are watered or receive significant rainfall within a few days after application of this product, improved weed control may result.

Use of split (half-rate) applications spaced 6-8 weeks apart may provide improved weed control.

Control of Other Grass and Broadleaf Weeds

Spring Applications. Used as directed for crabgrass control in the spring, this product will also control (at the "Program 3" rates) or suppress (at the "Program 2" rates) the following weeds when applied prior to their emergence:

barnyardgrass	lespedeza (common)
bluegrass (annual)	oxalis(buttercup, creeping & yellow woodsorrel)
crowfootgrass	
foxtail(yellow & green)*	purslane (common)
goosegrass	speedwell (corn)
kikuyugrass	spurge (prostrat & spotted)
ryegrass (annual & perennial)	
smutgrass	

*Also controlled at the Program 2 rates.

Fall Applications. Used as directed for late summer or early fall use, for crabgrass control through the early part of the next spring, this product will also control (at the "Program 3" rates) or suppress (at the "Program 2" rates) the following weeds when applied prior to their emergence:

bluegrass (annual)	geranium (Carolina)
bittercress	parsley-piert
chickweed	pineappleweed
henbit	shepherdspurze

APPLICATION EQUIPMENT AND INSTRUCTIONS

Apply this product with drop or rotary-type spreaders designed to apply granular herbicides. Avoid the use of spreaders that would apply this product in narrow rows or concentrated bands. Before each application, calibrate the spreader according to the equipment manufacturer's directions for adjusting the spreader settings such that the spreader delivers the appropriate application rate recommended above. Apply this product uniformly over the lawn or ornamental turf area. A more uniform application can be made by spreading half of the required amount over the area and then applying the remaining half at a right angle to the previous direction. Avoid streaking, skips, or overlaps during application. Check equipment frequently to ensure equipment is functioning properly and applying uniform distribution of granules.

Storage and Disposal

STORAGE: Store this product only in its original container in a dry, cool, secured storage area. Do not contaminate water, foodstuffs, feed or seed by storage or disposal.

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

EMPTY CONTAINER DISPOSAL: do not reuse bag. Completely empty bag into application equipment. Dispose of emptied bag(s) in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

SPILL: In case of spill, sweep up material and dispose of material according to "product disposal" directions listed above.