

12-24-12 with 3.5% Siduron



**Professional Turf™
Products**

FEATURES & USE TIPS:

- Contains Siduron herbicide
- Keeps out crabgrass, foxtail, barnyardgrass by killing the sprouting seed.
- May be used on freshly seeded bluegrass, perennial ryegrass, fescue and certain other grasses.
- High uniformity precision blend for more accurate spreading and more consistent performance
- Excellent starter fertilizer analysis to help grow in the turf.

PRODUCT SPECIFICATIONS:

N (12%):	9.39% Ammoniacal Nitrogen 2.61% Urea Nitrogen
P- as P₂O₅ (24%):	Ammonium phosphate
K - as K₂O (12%):	Potassium chloride
Cl (10.14%):	Chlorine Max
Active Ingredient:	3.5% Siduron

Following is a specimen label that may at some point be revised or otherwise become out of date. It is intended as a guide in providing general information regarding the use of this product. Always read and follow the label on the product container.

PRODUCT CODE:

APT12S35

Date: 043007
Supersedes: 010204
Label: J5

PRODUCT CHARACTERISTICS:

Product Type:

Combination fertilizer
with Siduron herbicide

Nitrogen Type:

Urea

Particle Size:

SGN: 150

Net Weight:

50 lbs.

Coverage:

15,100 sq. ft.
@ low rate

The Andersons logo is a registered trademark of The Andersons, Inc. and Professional Turf is a trademark of The Andersons, Inc.

*To order, contact your local
Andersons Lawn Products
distributor.*

*For more information, contact
Andersons at our website:
www.andersonslawnproducts.com
or call 1-800-225-2639.*

The Andersons

Professional Turf™ Products

12-24-12

with 3.5% Siduron

- Keeps out crabgrass, foxtail, barnyardgrass by killing the sprout seed.
- May be used on freshly seeded bluegrass, perennial ryegrass, fescue and certain other grasses.
- Excellent starter fertilizer analysis to help grow-in the turf.

ACTIVE INGREDIENT

Siduron*	3.50%
OTHER INGREDIENTS	96.50%
TOTAL	100.00%

*CAS No. 1982-49-6

EPA Reg. No. 9198-50
EPA Est. 9198-OH-1M, 9198-OH-2B, 9198-AL-001A
(Underlined letter is first letter used in run code on bag.)

GUARANTEED ANALYSIS

Total Nitrogen (N)	12.00%
9.39% Ammoniacal Nitrogen	
2.61% Urea Nitrogen	
Available Phosphate (P ₂ O ₅)	24.00%
Soluble Potash (K ₂ O)	12.00%

Plant foods derived from ammonium phosphate, urea and potassium chloride.
Chlorine (Cl) Max. 10.14%

F292

KEEP OUT OF REACH OF CHILDREN
CAUTION

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if swallowed. Avoid contact with skin, eyes and clothing. Wash thoroughly after using. Avoid breathing dust. Do not contaminate water used for irrigation or domestic purposes. Do not contaminate feed, foodstuffs or ponds. Do not store near seed, other fertilizers, insecticides or fungicides. Do not apply to vegetable crops.

FIRST AID

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contacts, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.
If swallowed: Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
If on skin: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. 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. You may also contact 1-800-757-8951 for emergency medical treatment information.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of wastes. Drift of dust may cause injury to nearby susceptible plants.

DIRECTIONS FOR USE

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

Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

WHEN TO APPLY

Apply prior to germination of weed grasses in the Spring. Precise time of application for a specific area will vary due to climate and individual cultural practices. Generally, application during February or March will give best results. Control can be expected by applications up to the time that Forsythias bloom in spring. If in doubt, check with your Agricultural Extension Service. For newly seeded areas, apply as the last step before watering.

HOW TO APPLY

For best results, this product must be applied without skips or misses. Determine the correct amount for your lawn area. For freshly seeded grass apply at the rate of 3.3 pounds per 1,000 square feet. For established turf apply at 6.6 pounds per 1,000 square feet. The best results are obtained by using the two-step procedure at the recommended half rate settings. Apply half the required amount in one direction and the other half at right angles to the first application. This procedure will minimize the chances of color streaking and erratic crabgrass control. Use the suggested spreader settings as a guide, being sure to check the application rate at the start of each application. At least 1/2 inch of water must be provided by rainfall or watering within 3 days of treatment in order to carry the chemical into the root zone of germinating weeds.

Suggested Spreader Settings Suggested spreader settings are not intended to replace calibration. Please calibrate your spreader prior to applying product.				
SPREADER	GROUND SPEED	WIDTH OF COVERAGE	SPREADER SETTINGS	
			LOW RATE 500 lbs. a/ha	MEDIUM RATE 10.06 lbs. a/ha
Andersons AccuPro 1000	3 mph	13 feet	K	N
Andersons AccuPro 2000, SR-2000 (cone 8)	3 mph	13 feet	K	N
Scotts R-8A (cone 7)	3 mph	10 feet	J 1/2	N
Lesco 020093	3 mph	10 feet	E 1/2	H
Lely Models WTR, WFR, HR, 1250 (PTO at 450 rpm)	4.5 mph	40 feet	4 1/2 III-B	6 1/4 III-B
Vicon (03 Series)	4.5 mph	38 feet	22	35

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.
PESTICIDE STORAGE: Keep container closed and away from food, feed-stuffs, and domestic water supplies.

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

CONTAINER DISPOSAL: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State or local authorities, by burning. If burned, stay out of smoke.

IMPORTANT: READ BEFORE USE:

Read the entire Directions for Use and the Warranty Disclaimer and Limitation of Liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or Buyer accepts the following Warranty Disclaimer and Limitation of Liability:

WARRANTY DISCLAIMER and LIMITATION of LIABILITY:

Manufacturer warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions. Manufacturer makes NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Where permissible, it is Manufacturer's intent to LIMIT ANY LIABILITY FOR SPECIAL, CONSEQUENTIAL OR INCIDENTAL ECONOMIC DAMAGES to refund of purchase price or replacement of product, at Buyer's choice. Manufacturer DISCLAIMS ANY LIABILITY FOR COMPENSATORY OR OTHER DAMAGES ARISING OUT OF ANY USE CONTRARY TO LABEL DIRECTIONS. Use contrary to label directions is not permitted.

LEGAL RIGHTS:

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEAGL RIGHTS; YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE/JURISDICTION TO STATE/JURISDICTION.

Manufactured by:

The Andersons Lawn Fertilizer Division, Inc.
P. O. Box 119, Maumee, OH 43537

SGN 150

Net Wt. 50 Lbs. (22.68 kg)
Treats Up To 15,100 Sq. Ft.

APT12S35

J5b (BLKP1929B)

DIMENSION* 0.15% Plus Fertilizer

NOT FOR USE on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

In New York State this product may only be used by commercial applicators and at no more than 333 lb (0.5 lb of active ingredient) per acre per year (or 7.6 lbs product per 1,000 sq ft per year) and is prohibited from use in Nassau and Suffolk Counties.

Contains LESCO® Poly Plus® Sulfur Coated Urea to provide a uniform growth with extended nitrogen feeding.

ACTIVE INGREDIENT:

Dithiopyr, S,S'-dimethyl 2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-3,5-pyridinedicarbothioate	0.15%
INERT INGREDIENTS:.....	99.85%
Total:	100.00%

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

Read the entire label before using this product. Use only according to label instructions.

NOTICE: Before using this product, read the Use Precautions, Warranty Statements, Directions for Use, and the Storage and Disposal Instructions. If the Warranty statements 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 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 by the poison control center or doctor.• Do not give anything by mouth to an unconscious person.
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.• 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 15-20 minutes.• Call a poison control center or doctor for treatment advice.
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 mouth-to-mouth if possible.• Call a poison control center or doctor for further treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact CHEMTREC at 1-800-424-9300 for emergency medical treatment information.	

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.

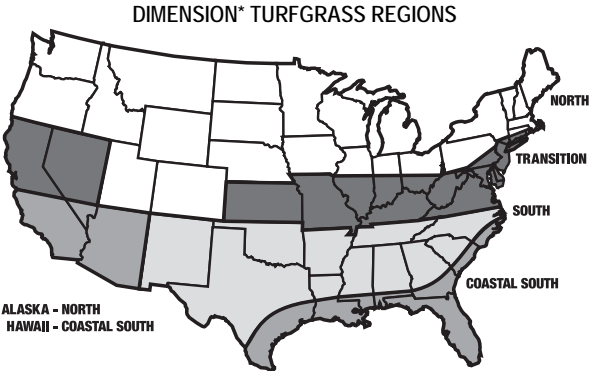
ENVIRONMENTAL HAZARDS
This product is toxic to fish and highly toxic to other aquatic organisms including oysters and shrimp. Use with care when applying to turf areas adjacent to any body of water. Drift and runoff from treated turf may adversely affect aquatic organisms in adjacent aquatic sites. Do 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.

GENERAL INFORMATION
This product is a herbicide that provides control of crabgrass, 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. 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. 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 these use directions, 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>
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', 'Biljart', 'CF-2', 'Enjoy', 'HF-93', 'Highlight', 'Ivalo', 'Jamestown', 'Koket', 'Majenta', 'Mary', 'Pennlawn', 'Tamara', 'Tajjana', '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 with this product should be delayed until 12 weeks from the time of application. Reseeding, overseeding or sprigging before 12 weeks after application may prevent establishment of desirable turfgrasses. When reseeding or overseeding, proper cultural practice such as soil cultivation, irrigation and fertilization should be followed. However, if overseeding with perennial ryegrass in the fall, overseed 8 weeks or later after a single application.
For best results, use mechanical or power seeding equipment (slit seeders) designed to give good seed to soil contact.

- USE PRECAUTIONS
- Not for use on Golf Course Putting Greens.
 - The early post-emergence crabgrass control described below is limited. Post-emergence 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.

18-0-4

GUARANTEED ANALYSIS

TOTAL NITROGEN (N)	18.00%
17.10% Urea Nitrogen*	
0.90% Water Insoluble Nitrogen	
SOLUBLE POTASH (K ₂ O).....	4.00%
SULFUR (S) Total	1.66%
1.66% Free Sulfur (S)	
IRON (Fe) Total	0.30%
DERIVED FROM: Polymer Coated Sulfur Coated Urea, Urea, Muriate of Potash, Biosolids.	
CHLORINE (Cl) Max.	3.00%
*4.86 Slowly available Urea Nitrogen from Polymer Coated Sulfur Coated Urea.	

#090997 (Front)

Net Weight: 50 lb (22.7 kg)

DIMENSION* 0.15% Plus Fertilizer

APPLICATION DIRECTIONS - Control of Crabgrass Pre-emergence and Early Post-emergence Control

This product provides "pre-emergence" 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 post-emergence" 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. Post-emergence 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 post-emergence activity is that (compared to strictly pre-emergence crabgrass products), Dimension controls crabgrass prior to and up to 4 weeks after germination.

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 7.65 lb of this product per 1,000 sq ft per application, and no more than 22.95 lb 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 pre-emergence or early post-emergence 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 pre-emergence control at sites where the turfgrass is cut high (e.g., homeowner lawns). This program provides 3-5 months of pre-emergence crabgrass control. This program should not be used for early post-emergence crabgrass control.

Use Program #2 for pre-emergence 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 pre-emergence crabgrass control. This program may also be used for early post-emergence control at sites where turfgrass is cut high (e.g., homeowner lawns).

Use Program #3 for pre-emergence 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 pre-emergence crabgrass control. This program may also be used for early post-emergence control at sites where turfgrass is cut low (e.g., golf fairways).

Subsequent, sequential pre- and/or post-emergence 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*

PROGRAM	#1	#2	#3
USE (turfgrass cut)	Pre-emergence (high-cut turf)	Pre-emergence (low-cut turf) Post-emergence (high-cut turf)	Pre-emergence (low-cut turf) Post-emergence (low-cut turf)
REGION			
North	1.91 lb/1,000 sq ft†	2.75 lb/1,000 sq ft‡	3.82 lb/1,000 sq ft
Transition	2.75 lb/1,000 sq ft†	3.82 lb/1,000 sq ft	5.66 lb/1,000 sq ft
South	3.82 lb/1,000 sq ft	5.66 lb/1,000 sq ft	7.65 lb/1,000 sq ft
Coastal South	5.66 lb/1,000 sq ft	7.65 lb/1,000 sq ft	7.65 lb/1,000 sq ft**

Note: 3.82 lb per 1,000 sq ft is equal to 0.25 lb active ingredient per acre.

† Particle distribution at this rate may not provide adequate control or suppression.

*DO NOT apply more than 7.65 lb of this product per 1,000 sq ft per application, and no more than 22.95 lb of this product per 1,000 sq ft per year. Post-emergence control is limited; see "Crabgrass Control" and "Precautions" sections above. Regions include areas listed below. [See map of the United States.](#)

North: all areas not designated below.
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.

APPLICATION DIRECTIONS - Control of Other Grasses and Broadleaf Weeds Spring Application

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

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

*Also controlled at the "Program 2" rates.

EPA REG. NO. 10404-86
EPA EST. NO. 82757-OH-001 (M), 82757-FL-001 (S),
82757-MA-002 (H)

First letter of lot code indicates manufacturing site.

#090997 (Back)

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) the following weeds when applied prior to their emergence:

bluegrass (annual)	geranium (Carolina)
bittercress	parsley-piert
chickweed	pineappleweed
henbit	shepherd's purse

SUGGESTED SPREADER SETTINGS*

Spreader	(Recommended Rates in lb per 1,000 sq ft)				
	1.91 lb	2.75 lb	3.82 lb	5.66 lb	7.65 lb
LESCO Calibration Gauge	12	13	15	17	20
SCOTTS® R8A	I	1½	J	K½	M
Cyclone® or Spyker®	3¼	3½	4	4½	4¾
LESCO Pendulum	18	20	24	32	38

*IMPORTANT: These settings are only approximate. Age, condition of spreader, and operator speed can cause wide variation. Be sure to calibrate your spreader with each application.

APPLICATION EQUIPMENT AND INSTRUCTIONS

Apply this product with drop or rotary 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

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

PESTICIDE STORAGE: Store this product only in its original container in a dry, cool, secured storage area.

PESTICIDE 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. Or call [1-800-CLEANUP] for disposal instructions. Never place unused product down any indoor or outdoor drain.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available or dispose of empty bag 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.

CONDITION 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 must be followed carefully and completely. It is impossible to eliminate all risks inherently associated with the use of this product. To the extent consistent with applicable law, Buyer and/or User assume all risks of ineffectiveness or other unintended consequences or damages that may result from conditions outside or beyond the control of LESCO, Inc. including but not limited to, such factors as manner of use or application, weather or weather conditions outside the range considered normal at the application site or for the time period in which the product is applied, the, presence of other materials, incompatible products, or other influencing factors which are beyond the control of LESCO, Inc. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and/or User, and Buyer and/or User agrees to hold LESCO, Inc. harmless for any claims relating to such factors.

LESCO, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with the Directions for Use under normal use conditions. To the extent consistent with applicable law, this warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of LESCO, Inc. and Buyer and/or User assume the risk of any such use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, LESCO, INC. MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE BUYER AND/OR USER AND THE EXCLUSIVE LIABILITY OF LESCO, INC. 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 LESCO, INC. REPLACEMENT OF THE PRODUCT, OR IF NOT ACQUIRED BY PURCHASE, REPLACEMENT OF SUCH QUANTITY. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL LESCO, Inc., BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES.

LESCO, Inc. offers this product, and Buyer and/or User accepts it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of LESCO, Inc.

Information concerning the raw materials composing this product can be obtained by writing to: LESCO, Inc., Attn: RA Dept., 1301 East 9th Street, Suite 1300, Cleveland, Ohio 44114-1849, referring to the item number found on this bag.

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapico.org/metals.htm>

Poly Plus is comprised of Polymer Coated Sulfur Coated Urea.

LESCO is a registered trademark and the sweeping design is a trademark of LESCO Technologies, LLC. DIMENSION is a registered trademark of Dow AgroSciences. SCOTTS is a registered trademark of The SCOTT Company. Cyclone and Spyker are registered trademarks of Spyker Spreaders, LLC.

G:\REGUL\WPI\eriewiew\Apprvd-Lbl Word\090997.doc

(071106)

Rev 2/8/10 VT

Net Weight: 50 lb (22.7 kg)

F1560

Distributed by: **LESCO, Inc.**

1301 East 9th Street
Cleveland, OH 44114-1849

Bradfield Organics™
Luscious Lawn™ Corn Gluten 9-0-0 Organic Fertilizer
5ZG1

Net Wt. 50 lb (22.67kg)

GUARANTEED ANALYSIS

Total Nitrogen (N) 9%
9% water insoluble nitrogen

Nutrients for this product are derived from Corn Gluten Meal.

CONTAINS NO ANIMAL MANURE

Bradfield Organics™ Luscious Lawn™ Corn Gluten is a premium granulated all-purpose fertilizer developed to provide you a safe (when used as directed), clean, convenient, and easy way to fertilize lawns, trees, shrubs; vegetable, fruit, herb, flower, and rose gardens.

DIRECTIONS

Bradfield Organics™ can be applied at any time of year. As part of your Bradfield Organics™ program, apply 20 lbs per 1,000 square feet of lawn, garden or flowerbed area each Spring and Fall.

CAUTION

Do not apply to areas when seeding is contemplated within 60 days. Root systems from newly germinated seeds tends to wither in the presence of corn gluten meal.

Manufactured for: PMI International, LLC • P.O. Box 19798 • Brentwood, MO 63144
1-866-352-4034

PRODUCT CODE # 0066876
UPC code 804273006437

DIMENSION* 0.10% Plus Fertilizer

NOT FOR USE on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes. In New York State this product may only be used by commercial applicators and at no more than 500 lb (0.5 lb of active ingredient) per acre per year (or 11.5 lb product per 1,000 ft sq per year) and is prohibited from use in Nassau and Suffolk Counties.

Contains LESCO® Poly Plus® Sulfur Coated Urea to provide a uniform growth with extended nitrogen feeding.

ACTIVE INGREDIENT:

Dithiopyr, S,S'-dimethyl 2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-3,5-pyridinedicarbothioate	0.10%
INERT INGREDIENTS:	99.90%
Total:.....	100.00%

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

Read the entire label before using this product. Use only according to label instructions.

NOTICE: Before using this product, read the Use Precautions, Warranty Statements, Directions for Use, and the Storage and Disposal Instructions. If the Warranty statements 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 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 by the poison control center or doctor.• Do not give anything by mouth to an unconscious person.
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.• 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 15-20 minutes.• Call a poison control center or doctor for treatment advice.
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 mouth-to-mouth if possible.• Call a poison control center or doctor for further treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact Chem-Trec at 1-800-424-9300 for emergency medical treatment information.	

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION! CAUSES EYE IRRITATION. HARMFUL IF INHALED. Avoid contact with eyes or clothing. Avoid breathing dust. Wear protective eyewear such as goggles, face shield or safety glasses. 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.
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.

GENERAL INFORMATION
This product is a herbicide that provides control of crabgrass, 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. 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. 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 these use directions, the following established turfgrasses are tolerant to this product:

#080381

(Front) Net Weight: 50 lb (22.7 kg)

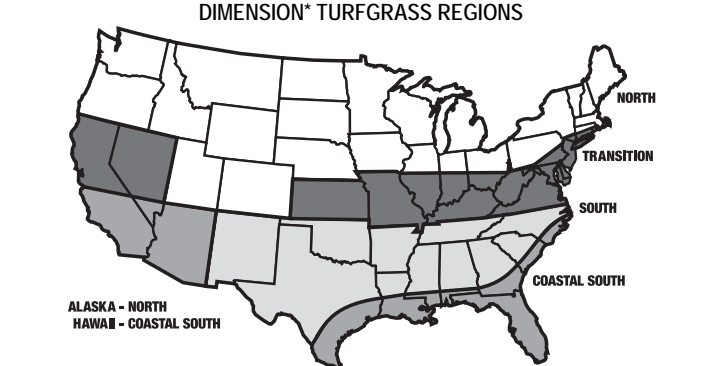
Cool-Season Grasses	
Common Name	Scientific Name
Bentgrass, creeping*	<i>Agrostis palustris</i>
Bluegrass, Kentucky	<i>Poa pratensis</i>
Fescue, fine**	<i>Festuca rubra</i>
Fescue, tall	<i>Festuca arundinacea</i>
Ryegrass, perennial	<i>Lolium perenne</i>
Warm-Season Grasses	
Common Name	Scientific Name
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', 'Biljart', '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 with this product should be delayed until 12 weeks from the time of application. Reseeding, overseeding or sprigging before 12 weeks after application may prevent establishment of desirable turfgrasses. When reseeding or overseeding, proper cultural practice such as soil cultivation, irrigation and fertilization should be followed. However, if overseeding with perennial ryegrass in the fall, overseed 8 weeks or later after a single application. For best results, use mechanical or power seeding equipment (slit seeders) designed to give good seed to soil contact.

- USE PRECAUTIONS
- **Not for use on Golf Course Putting Greens.**
 - The early post-emergence crabgrass control described below is limited. Post-emergence 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.

19-0-6	
GUARANTEED ANALYSIS	
TOTAL NITROGEN (N)	19.00%
19.00% Urea Nitrogen*	
SOLUBLE POTASH (K ₂ O)	6.00%
SULFUR (S) Total.....	1.75%
1.75% Free Sulfur (S)	
DERIVED FROM: Polymer Coated Sulfur Coated Urea, Urea, Muriate of Potash.	
CHLORINE (Cl) Max.	4.50%
*5.15% Slowly available Urea Nitrogen from Polymer Coated Sulfur Coated Urea	

DIMENSION* 0.10% Plus Fertilizer

APPLICATION DIRECTIONS - Control of Crabgrass Pre-emergence and Early Post-emergence Control

This product provides "pre-emergence" 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 post-emergence" 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. Post-emergence 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 post-emergence activity is that (compared to strictly pre-emergence crabgrass products), Dimension controls crabgrass prior to and up to 4 weeks after germination.

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 11.47 lb of this product per 1,000 sq ft per application, and no more than 34.41 lb 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 pre-emergence or early post-emergence 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 pre-emergence control at sites where the turfgrass is cut high (e.g., homeowner lawns). This program provides 3-5 months of pre-emergence crabgrass control. This program should not be used for early post-emergence crabgrass control.

Use Program #2 for pre-emergence 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 pre-emergence crabgrass control. This program may also be used for early post-emergence control at sites where turfgrass is cut high (e.g., homeowner lawns).

Use Program #3 for pre-emergence 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 pre-emergence crabgrass control. This program may also be used for early post-emergence control at sites where turfgrass is cut low (e.g., golf fairways).

Subsequent, sequential pre- and/or post-emergence 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*

PROGRAM	#1	#2	#3
USE (turfgrass cut)	Pre-emergence (high-cut turf)	Pre-emergence (low-cut turf) Post-emergence (high-cut turf)	Pre-emergence (low-cut turf) Post-emergence (low-cut turf)
REGION			
North	2.86 lb/1,000 sq ft‡	4.13 lb/1,000 sq ft‡	5.73 lb/1,000 sq ft
Transition	4.13 lb/1,000 sq ft‡	5.73 lb/1,000 sq ft	8.49 lb/1,000 sq ft
South	5.73 lb/1,000 sq ft	8.49 lb/1,000 sq ft	11.47 lb/1,000 sq ft
Coastal South	8.49 lb/1,000 sq ft	11.47 lb/1,000 sq ft	11.47 lb/1,000 sq ft**

Note: 5.73 lb per 1,000 sq ft is equal to 0.25 lb active ingredient per acre.
‡ Particle distribution at this rate may not provide adequate control or suppression.
*DO NOT apply more than 11.47 lb of this product per 1,000 sq ft per application, and no more than 34.41 lb of this product per 1,000 sq ft per year. Post-emergence control is limited; see "Crabgrass Control" and "Precautions" sections above. Regions include areas listed below. [See map of the United States.](#)

North: all areas not designated below.
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.

APPLICATION DIRECTIONS - Control of Other Grasses and Broadleaf Weeds Spring Application

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

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

*Also controlled at the "Program 2" rates.

EPA REG. NO. 10404-85
EPA EST.NO.82757-OH-001 (M), 82757-FL-01 (S),
82757-MA-002 (H)

First letter of lot code indicates manufacturing site.

#080381

(Back)

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) the following weeds when applied prior to their emergence:

bluegrass (annual)	geranium (Carolina)
bittercress	parsley-piert
chickweed	pineappleweed
henbit	shepherd's purse

SUGGESTED SPREADER SETTINGS*

Spreader	(Recommended Rates in lb per 1,000 sq ft)			
	2.86 lb	4.13 lb	5.73 lb	8.49 lb
LESCO Calibration Gauge	#13	#15	#17	#22
SCOTT'S® R8A	1½	J½	K½	N
Cyclone® or Spyker®	3½	4½	4¾	5¼
LESCO Pendulum	20	28	32	40

*IMPORTANT: These settings are only approximate. Age, condition of spreader, and operator speed can cause wide variation. Be sure to calibrate your spreader with each application.

APPLICATION EQUIPMENT AND INSTRUCTIONS

Apply this product with drop or rotary 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

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

PESTICIDE 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. Or call [1-800-CLEANUP] for disposal instructions. Never place unused product down any indoor or outdoor drain.

CONTAINER DISPOSAL: **Nonrefillable container. Do not reuse or refill this container.** Completely empty bag into application equipment. Then offer for recycling if available or dispose of empty bag 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.

CONDITION 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 must be followed carefully and completely. It is impossible to eliminate all risks inherently associated with the use of this product. To the extent consistent with applicable law, Buyer and/or User assume all risks of ineffectiveness or other unintended consequences or damages that may result from conditions outside or beyond the control of LESCO, Inc. including but not limited to, such factors as manner of use or application, weather or weather conditions outside the range considered normal at the application site or for the time period in which the product is applied, the, presence of other materials, incompatible products, or other influencing factors which are beyond the control of LESCO, Inc.. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and/or User, and Buyer and/or User agrees to hold LESCO, Inc. harmless for any claims relating to such factors.

LESCO, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with the Directions for Use under normal use conditions. To the extent consistent with applicable law, this warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of LESCO, Inc. and Buyer and/or User assume the risk of any such use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, LESCO, INC. MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE BUYER AND/OR USER AND THE EXCLUSIVE LIABILITY OF LESCO, INC. 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 LESCO, INC. REPLACEMENT OF THE PRODUCT, OR IF NOT ACQUIRED BY PURCHASE, REPLACEMENT OF SUCH QUANTITY. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL LESCO, Inc., BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES.

LESCO, Inc. offers this product, and Buyer and/or User accepts it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of LESCO, Inc.

Information concerning the raw materials composing this product can be obtained by writing to: LESCO, Inc., Attn: RA Dept., 1301 East 9th Street, Suite 1300, Cleveland, Ohio 44114-1849, referring to the item number found on this bag.
Information regarding the contents and levels of metals in this product is available on the internet at. <http://www.aapfco.org/metals.htm>.
Poly Plus is comprised of Polymer Coated Sulfur Coated Urea.

LESCO and Poly Plus are registered trademarks and the sweeping design is a trademark of LESCO Technologies, LLC. DIMENSION is a registered trademark of Dow AgroSciences. SCOTT'S is a registered trademark of The SCOTT Company. Cyclone and Spyker are registered trademarks of Spyker Spreaders, LLC.

G:\REGUL\WP\Erievue\Aprvrd-Lbl Word\080381.ppt.doc (071107) Rev 1/25/10 VT

Net Weight: 50 lb (22.7 kg)

F1560

Distributed by: **LESCO, Inc.**
1301 East 9th Street
Cleveland, OH 44114-1849

EAGLE® 0.39% Granular Turf Fungicide

A granular product containing a systemic protectant and curative fungicide for the control of diseases in established turfgrass.

ACTIVE INGREDIENT:	
myclobutanil: a-butyl-a-(4-chlorophenyl)-1-H-1,2,4 triazole-propanenitrile.....	0.39%
OTHER INGREDIENTS:	<u>99.61%</u>
Total	100.00%

KEEP OUT OF REACH OF CHILDREN

CAUTION – PRECAUCIÓN

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.
------------	---

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-992-5994 day or night, for emergency treatment information.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco and using the toilet.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks

User Safety Requirements

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

ENGINEERING CONTROLS

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

USER SAFETY RECOMMENDATIONS

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash-waters or disposing of wastes.

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 persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

STORAGE AND DISPOSAL

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

Pesticide Storage: Keep away from fire and sparks. Store in a cool, dry, well-ventilated area.

Pesticide Disposal: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Container Handling: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available, or dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

GENERAL INFORMATION

LESCO® Eagle® 0.39% Granular Turf Fungicide is a systemic, protectant and curative fungicide for the control of listed diseases in established turfgrass. Examples of such sites include, residential and commercial lawns, ornamental turfgrass, grounds or lawns around business and office complexes, golf courses (fairways, roughs, tees, greens) and sod farms. Optimum disease control is achieved when this product is applied to established turfgrass in a regularly scheduled preventative program.

Use LESCO® Eagle® 0.39% Granular Turf Fungicide in conjunction with turf management practices that promote good plant health and optimum disease control. The key to selecting a fungicide is the proper diagnosis of the organism causing the disease. Diagnostic kits, extension experts or other identification methods should be used when developing disease control strategies.

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 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water is

- Coveralls
- Chemical-resistant gloves made from any waterproof material
- Shoes plus socks.

NON-AGRICULTURAL USES REQUIREMENTS

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses. Seed treatments and professional applications to lawn grasses, golf courses, industrial (office park), municipal and residential lawns are not within the scope of the Worker Protection Standard.

Keep unprotected persons out of treated area until dusts have settled.

Application Equipment and Application Techniques

Apply LESCO® Eagle® 0.39% Granular Turf Fungicide uniformly over the turfgrass area using a properly calibrated drop or rotary-type spreader designed to apply granules. Before each application, calibrate the spreader according to the equipment manufacturer's directions. Check frequently to make sure equipment is operating properly and distributing product uniformly. A more uniform application may be achieved by spreading half of the required amount of product over the area and then applying the remaining half in swaths at a right angle to the first. Avoid skips and excessive overlaps during application. Avoid the use of spreaders that apply this product in narrow rows or concentrated bands.

Application Timing

Reduce the interval between applications of LESCO® Eagle® 0.39% Granular Turf Fungicide when conditions are favorable for disease development. Unless otherwise specified, when disease pressure is high or when used as a curative, use higher rates of LESCO® Eagle® 0.39% Granular Turf Fungicide and shorter application interval. Under light to moderate disease pressure, apply LESCO® Eagle® 0.39% Granular Turf Fungicide at the low use rate and/or longer application intervals. To avoid pick-up, lightly irrigate treated areas soon after application. On short cut bentgrass (1/2 inch or less) when temperatures are above 80°F, apply only to dry foliage.

Broadcast Application Rate

In non-residential turfgrass, optimum disease control is achieved when LESCO® Eagle® 0.39% Granular Turf Fungicide is applied in a preventative disease control program at a rate of 4 to 8 lb per 1000 sq ft. In residential turfgrass, optimum disease control is achieved when LESCO® Eagle® 0.39% Granular Turf Fungicide is applied in a preventative disease control program at a rate of 4 lb per 1000 sq ft. See the following table for specific application rates for various diseases.

SUGGESTED SPREADER SETTINGS**			
Recommended Rates (LESCO Eagle 0.39% Granular Turf Fungicide) in lb per 1,000 sq ft			
Spreader	4 lb	6 lb	8 lb
LESCO	13	15	17
Cyclone® or Spyker®	3	4¼	4½
Vicon®	20	28	32
Lely®	3½ II	4½ II	4¾ II

#092840

T

EAGLE® 0.39% Granular Turf Fungicide

Coverage: LESCO Eagle 0.39 Granular Turf Fungicide covers approximately 7,500 sq ft at the application rate of one pound of nitrogen (5.3 lb of fertilizer) per 1000 sq ft.

Non-Residential Turfgrass¹

Diseases	LESCO® Eagle® 0.39% Granular Turf Fungicide (lb/1000 sq ft)	Application Interval/Timing (Days)	Use Recommendations	Restrictions
Anthracnose Red Thread Septoria Leaf Spot	4	14 – 21	Apply when conditions are favorable for disease development.	Do not apply more than 46 lb of LESCO® Eagle® 0.39% Granular Turf Fungicide (0.014 lb myclobutanil) per 1000 sq ft per year.
Brown Patch	4 – 8	14	Begin applications when conditions are favorable for disease development and before disease symptoms are apparent.	
Copper Spot Zonate Leaf Spot	4	14	Apply when conditions are favorable for disease development	For Nassau and Suffolk Counties in New York State, use of this product is limited to 11.5 lb of LESCO® Eagle® 0.39% Granular Turf Fungicide per 1000 sq ft per year (1.95 lb myclobutanil per acre).
Crown Rot Leaf Spot Melting-Out	4	14	Apply when conditions are favorable for disease development. For crown rot, water in with 3 to 4 gallons of water per 1000 sq ft to increase penetration to crown and roots.	
Dollar Spot	3 – 8	14 – 28	Apply when conditions are favorable for disease development. Make no more than 3 consectuive applications for dollar spot control before rotating to a registered fungicide with a different mode of action.	
Fusarium Blight	4 – 8	14 – 21	Apply when conditions are favorable for disease development	
Fusarium Patch (pink snow mold)	4 – 8	Fall – Winter	Apply prior to snow cover.	
Gray leaf spot	4-8	14	Apply when conditions are favorable for disease development.	
Leaf Smuts Necrotic Ring Spot	4 4 – 8	14	Apply in the fall after turfgrass enters dormancy and/or in the spring prior to the initiation of growth.	
		Spring: 28	Make applications on a preventative basis in early to mid-spring	
		Fall: 28	Make 2 applications beginning in August before the turfgrass goes dormant. Apply 8 lb/1000 sq ft followed by a second application one month later	
Powdery Mildew Rust	4	14 – 28	Apply when conditions are favorable for disease development.	
Summer Patch	4 – 8	14 – 28	Begin applications in the spring when conditions are favorable for disease development. Make 2 to 4 applications depending on recommendations from local turfgrass extension experts. Water in with at least 3 to 4 gallons of water per 1000 sq ft to increase penetration to crown and roots	
Take-all Patch	8	Spring/Fall: 28	To reduce the severity of take-all patch, make 1 to 2 fall applications in September and October or when night temperatures drop to 55°F and 1 to 2 spring applications in April and May depending on local recommendations.	

¹Including, commercial lawns/turf, ornamental turf, grounds or lawns around business and office complexes, golf courses (fairways, roughs, tees, greens) and sod farms.

Residential Turfgrass

Disease	LESCO® Eagle® 0.39% Granular Turf Fungicide (lb/1000 sq ft)	Application Interval/Timing (Days)	Use Recommendations	Restrictions
Anthracnose Red Thread Septoria Leaf Spot	4	14 – 21	Apply when conditions are favorable for disease development.	Do not apply more than 46 lb product per 1000 sq ft per year. For Nassau and Suffolk Counties in New York State, use of this product is limited to 11.5 lb per 1000 sq ft per year (1.95 lb active ingredient per acre).
Brown Patch		14	Begin applications when conditions are favorable for disease development and	

EPA Reg. No. 62719-461-10404
EPA Est. No. 82757-OH-001 (M),82757-FL-001 (S)

First letter of lot code indicates manufacturing site.

#092840
T

			before disease symptoms are apparent.	
Copper Spot Zonate Leaf Spot		14	Apply when conditions are favorable for disease development	

Residential Turfgrass continued

Disease	LESCO® Eagle® 0.39% Granular Turf Fungicide (lb/1000 sq ft)	Application Interval/Timing (Days)	Use Recommendations	Restrictions
Crown Rot Leaf Spot Melting-Out		14	Apply when conditions are favorable for disease development. For crown rot, water in with 3 to 4 gallons of water per 1000 sq ft to increase penetration to crown and roots.	
Dollar Spot	4	14 – 28	Apply when conditions are favorable for disease development. Make no more than 3 consecutive applications for dollar spot control before rotating to a registered fungicide with a different mode of action.	
Fusarium Blight		14 – 21	Apply when conditions are favorable for disease development	
Fusarium Patch (pink snow mold)		Fall – Winter	Apply prior to snow cover.	
Gray leaf spot		14	Apply when conditions are favorable for disease development.	
Leaf Smuts Necrotic Ring Spot		14	Apply in the fall after grass enters dormancy and/or in the spring prior to the initiation of growth.	
		Spring: 28	Make applications on a preventative basis in early to mid-spring	
Powdery Mildew Rust		Fall: 28	Make 2 applications beginning in August before the turfgrass goes dormant.	
Powdery Mildew Rust		14 – 28	Apply when conditions are favorable for disease development.	

Terms and Conditions of Use

If terms of the following Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies are not acceptable, return unopened package at once to the Seller for a full refund of purchase price paid. Otherwise, use by the buyer or any other user constitutes acceptance of the terms under Warranty Disclaimer, Inherent Risks of Use, and Limitations of Remedies.

Warranty Disclaimer

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. Seller MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

Inherent Risks of Use

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperature, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of the Seller. All such risks shall be assumed by buyer.

Limitation of Remedies

To the extent consistent with applicable law, the exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at Seller's election, one of the following:

- Refund of purchase price paid by buyer or user for product bought, or
- Replacement of amount of product used

Seller shall not be liable for losses or damages resulting from handling or use of this product unless Seller is promptly notified of such loss or damage in writing. In no case shall Seller be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer, Inherent Risks of Use, and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of Seller or the Seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

Information concerning the raw materials composing this product can be obtained by writing to: LESCO, Inc., Attn: RA Dept., 1385 East 36th Street, Cleveland, Ohio 44114-4114, referring to the item number found on this bag. Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfco.org/metals.htm>.

Contains Eagle Specialty Fungicide, a registered trademark of Dow. LESCO and Poly Plus are registered trademarks and the sweeping design is a trademark of LESCO Technologies, LLC. Spyker and Cyclone are registered trademarks of Spyker Spreaders LLC. Lely is a registered trademark of C Van Der Lely N.V. Vicon is a registered trademark of Ransomes Cushman-Ryan Company.
G:\REGUL\WP\Ereview\Aprvd-Lbl Word\092840.DOC
(011909) Rev.: 10/12/10 VT

Net Weight: 40 lb (18.18 kg)

F1560

Distributed by: **LESCO, Inc.**
1385 East 36th Street
Cleveland, OH 44114-4114



MATERIAL SAFETY DATA SHEET #4047

Page 1 of 4

1301 East 9th Street, Suite 1300, Cleveland, OH 44114-1849
EMERGENCY PHONE: LESCO: (800) 321-5325
CHEMTREC: (800) 424-9300

DATE ISSUED: 3/9/06
SUPERSEDES: 10/02/02

I. PRODUCT IDENTIFICATION

PRODUCT NAME: LESCO Eliminate-D Broadleaf Herbicide, LESCO Bentgrass Selective Herbicide

Chemical Family: Mixture

Chemical Name/Synonyms: 2,4-D, MCPP-p, Dicamba

II. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	%(by/wt.)	CAS #	PEL/TLV
Dimethylamine Salt of 2,4-Dichlorophenoxyacetic Acid	6.60	2008-39-1	10 mg/M3 (2,4-D Acid)
Dimethylamine Salt of (+)-R-2-(2-methyl-4-Chlorophenoxy) propionic Acid	9.97	66423-09-4	Not Established
Dimethylamine Salt of Dicamba (3,6-Dichloro-o-anisic Acid)	2.64	2300-66-5	Not Established
Water and Sequesterents	80	N	Not Established

III. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Primary Route(s) of Entry: Eyes, Skin, Inhalation, Ingestion

POTENTIAL HEALTH EFFECTS: Causes irreversible eye damage. Harmful if swallowed or inhaled.

May cause muscle weakness, lethargy, loss of appetite, abdominal pains, headache, or shortness or breath. May irritate the respiratory tract or cause dizziness.

EYE: Direct and prolonged exposure to the concentrated product may cause corneal opacity, irreversible eye damage.

SKIN: Considered a minimal skin irritant and is not a dermal sensitizer. Harmful if absorbed through skin.

INHALATION: Avoid inhaling vapors or mist. May irritate the respiratory tract or cause dizziness.

INGESTION: May cause muscle weakness, nausea, diarrhea, and abdominal pain. Fall in blood pressure or myotonia (prolonged muscular spasm) may occur under extreme exposure conditions. Can be fatal.

MEDICAL CONDITIONS AGGRAVATED: Skin exposure may aggravate existing skin conditions.

Exposure to mist may aggravate existing respiratory conditions.

POTENTIAL ENVIRONMENTAL HAZARDS: This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and non-target plants. 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 target areas. When cleaning equipment, do not pour the washwater on the ground; spray or drain over a large area away from wells and other water sources. Do not contaminate water when disposing of equipment washwaters. Do not apply this product through any type of irrigation system. Do not contaminate domestic or irrigation waters.

IV. FIRST AID MEASURES

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.

SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes. Call a poison control center or doctor for treatment advice.

INHALATION: 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.

INGESTION: Call a poison control center or doctor immediately for treatment advice. Have the person sip a glass of water if able to swallow. Do not induce vomiting unless told to by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

V. FIRE FIGHTING MEASURES

Flash Point (Method Used): Not Applicable (non-aqueous solution)

Lower Explosion Limits: Not Applicable

NFPA/HMIS Rating: Health: 2

EXTINGUISHING MEDIA:

☒

Foam (large fire)

☐

Alcohol Foam

☒

Water Spray (to cool containers)

☒

Water Fog or Stream (large fire)

☒

Dry Chemical (small fire)

☒

CO₂ (small fire)

Auto Ignition Temperature: Not Applicable

Upper Explosion Limits: Not Applicable

Fire: 1

Reactivity: 0

EXPLOSION HAZARDS: Drums of product will burst from steam pressure under prolonged fire conditions.

FIRE FIGHTING PROCEDURES: Use positive pressure self-contained breathing apparatus and acid resistant protective clothing. Any water used to extinguish the fire should be contained by diking to prevent contamination of the public water system.

HAZARDOUS COMBUSTION PRODUCTS: May produce toxic and noxious fumes under extreme fire conditions. May include, but are not limited to hydrogen chloride, carbon oxides, nitrogen oxides and organochlorides.

VI. ACCIDENTAL RELEASE MEASURES

RELEASE NOTES: If material is spilled, wear the suggested safety equipment when cleaning large spills. Surround with impervious material such as dirt to prevent run-off. Absorb product with an inert absorbent such as clay granules or wood shavings. Contain all affected material in a closed, marked container for proper disposal. Treat contaminated area with detergent and water. 2,4-D spills are subject to CERCLA (Superfund) reporting requirements. Reportable Quantity (RQ) = 41 gallons.

VII. HANDLING AND STORAGE

GENERAL PROCEDURES: Always use original container to store pesticides in a secured warehouse or storage building. Do not store near seeds, fertilizers, insecticides, or fungicides. Store at room temperatures above 32F. If allowed to freeze, remix before using. Freezing does not alter this product. Containers should be opened in well-ventilated areas. Keep container tightly sealed when not in use. Do not stack cardboard cases more than two pallets high. Do not contaminate water, food, or feed by storage or disposal.

OTHER PRECAUTIONS: If this container is over one gallon and less than five gallons, then persons engaged in open pouring of this product must also wear coveralls or a chemical resistant apron. If this container is five gallons or more in capacity, do not open pour product from this container. A mechanical system (such as a probe and pump or spigot) must be used for transferring the contents of this container. If the contents of a non-refillable pesticide container are emptied, the probe must be rinsed before removal. Keep out of reach of children.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Open ventilation. Reduce all mist with local exhaust. If this container is five gallons or more in capacity, do not open pour product from this container. A mechanical system (such as a probe and pump or spigot) must be used for transferring the contents of this container. If the contents of a non-refillable pesticide container are emptied, the probe must be rinsed before removal.

PERSONAL PROTECTION EQUIPMENT:

EYES AND FACE: Wear splash goggles, face shield, or safety glasses with front, brow, and temple protection.

RESPIRATORY: Respiratory protection is not normally required. Use a NIOSH/MSHA approved respirator when directly exposed to mist.

GLOVES: Rubber or chemical-resistant gloves

PROTECTIVE CLOTHING: Long sleeved shirt, long pants, socks, and shoes. Persons engaged in open pouring must wear coveralls or a chemical resistant apron. (See Precautionary Statement on product label for details)

WORK HYGENIC PRACTICES: Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

IX. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: >212F
FREEZING POINT: 32F
VAPOR DENSITY (air = 1): Not Established

ODOR: Slight ammonia odor
APPEARANCE: Dark liquid
pH: 7.5 – 8.5

SPECIFIC GRAVITY (H₂O=1): 1.147
EVAPORATION RATE: Not Established
VAPOR PRESSURE (mmHg@20C):
 Equal to water
SOLUBILITY IN WATER: 100%
PERCENT VOLATILE:
BULK DENSITY (lbs./gal): 9.55

X. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Avoid heat conditions
STABILITY: Stable
POLYMERIZATION: Will not occur
INCOMPATIBLE MATERIALS: Strong oxidizers or acids
HAZARDOUS DECOMPOSITION PRODUCTS: No Data

XI. TOXICOLOGICAL INFORMATION

EYE EFFECTS: (Rabbit): corrosive, irreversible corneal damage
SKIN EFFECTS: (Rabbit): minimal irritant
DERMAL LC₅₀: (Rabbit): >2 g/kg
ORAL LD₅₀: (Male Rat): >0.5 g/kg; (Female Rat): 0.93 g/kg
INHALATION LC₅₀: (Rabbit): >3.57 mg/L; no mortality at max obtainable concentration
SENSITIZATION: (Guinea Pig): not a sensitizer
ACUTE EFFECTS FROM OVEREXPOSURE: May irritate the respiratory tract or cause dizziness. Direct and prolonged eye exposure to the concentrated product may cause corneal opacity, irreversible eye damage. Considered a minimal skin irritant. Harmful if absorbed through skin. May cause similar symptoms to ingestion. Ingestion may cause muscle weakness, nausea, diarrhea, and abdominal pain. Fall in blood pressure or myotonia (prolonged muscular spasm) may occur under extreme exposure conditions. Can be fatal.
CHRONIC EFFECTS FROM OVEREXPOSURE: Repeated or prolonged overexposure to phenoxy herbicides may cause liver, kidney, gastrointestinal or muscular system effects.
CARCINOGENICITY: The EPA's Science Advisory Panel has given 2,4-D and Dicamba a class D classification (not classifiable as to human carcinogenicity). Various epidemiological studies have yielded conflicting results with the majority being negative. The current scientific consensus is that there is no proven causal association between 2,4-D and cancer. Recent studies have not shown 2,4-D to be a mutagen or teratogenic. Animal tests with Dicamba have not demonstrated carcinogenic, teratogenic, or other reproductive effects with the exception of slightly reduced fetal body weights and post implantation losses reported at the Maximum Tolerated Dose level. The majority of evidence shows that it is not a mutagen. Other chronic effects of MCPP-p have not been determined.
IARC: Not Listed
NTP: Not Listed
OSHA: Not Listed
OTHER: Not Listed

XII. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: 2,4-D, MCPP-p, and Dicamba each have a relatively short half-life of (on average) 6 to 9 days, 5 to 17 days, and 1 to 4 weeks, respectively. Phenoxy herbicides and Dicamba are biodegraded by soil microbes and aquatic microorganisms. The active ingredients in this product do not bioaccumulate to any significant degree in animals.
ECOTOXICOLOGICAL INFORMATION: This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and nontarget plants.

XIII. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS:

Pesticide: Pesticide wastes are toxic. Improper disposal of excess pesticide spray mixtures or rinsate is a violation of federal law and may contaminate groundwater. If product cannot be disposed of by use according to the label, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

Container: Triple rinse (or equivalent) and offer for recycling, or puncture and dispose of in a sanitary landfill. Plastic containers are also disposable by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

XIV. TRANSPORTATION INFORMATION:

DOT Transportation:

Regulated (container size 55 gal., 220 gal., & 260 gal) **(All smaller containers sizes are NOT regulated)**

Proper Shipping Name:

RQ Environmentally Hazardous Substances, Liquid, N.O.S. (2,4-D Salt)

Hazard Class:

9

ID NO.:

UN 3082

U.S. Surface Freight Class:

Packing Group: III; Guide No.: 171

Reportable Quantity (RQ):

100# of 2,4-D or approx. 41 gal

Marine Pollution #1:

Not Applicable

HM 181 Shipping Name:

Not Applicable

XV. REGULATORY INFORMATION – UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

SEC 311/312:

Y Immediate (Acute Health)

Y Delayed (Chronic Health)

N Fire

N Sudden Release of Pressure

N Reactivity

SEC 302 (Extremely Hazardous Substance): Not Applicable

SEC 304 (Emergency Release Notification): Not Applicable

SEC 313 (Toxic Chemicals): Dimethylamine of Dicamba (2300-66-5)

CERCLA RQ: 100# of 2,4-D acid equivalent or approx. 41 gallons. For releases greater than the RQ, contact the National Response Center at (800) 424-8802.

CAA RQ: Not Applicable

EPA Registration No.: 10404-44

Preparation and distribution of this Material Safety Data Sheet is done for LESCO, Inc., pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200).

The information contained herein is based on available data. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof; and you should make your investigation to determine safety for the use you contemplate. LESCO makes no warranty of merchantability of fitness for a particular use, nor is there any other express or implied warranty except as may be specifically provided otherwise on product.

LESCO, Inc. assumes no responsibility or liability for any incidental or consequential damages whether related to personal injury or property damage, to vendees, users or third parties, caused by the material and LESCO's responsibility is limited to replacement of, or repayment of, the purchase price for the material(s) with respect to which any damages are claimed. All vendees or users assume all risk associated with the use of the material(s).

For further information, contact: LESCO, Inc. • 1301 East 9th Street, Suite 1300 • Cleveland, OH 44114-1849 or (800) 321-5325.

Healthy Turf™ 8-1-9

A natural biofertilizer formulated to provide nutrients to turfgrass. It contains NPK fertility derived from organic and natural sources, and includes beneficial rhizosphere bacteria to boost biological soil fertility. Healthy Turf 8-1-9 is manufactured as homogenous mini granules that penetrate easily through the turf canopy. It provides rich organic material and active rhizosphere bacteria to depleted soils.

Healthy Turf 8-1-9:

- Provides NPK fertility derived from natural sources
- Slowly releases its nutrients as it biodegrades
- Increases the organic content of the soil
- Acts as a food source for its beneficial bacteria
- Introduces six selected species of beneficial bacteria that fix nitrogen from the air, solubilize phosphorus, and release minerals from organic matter in the root zone
- Will not burn plants

DIRECTIONS FOR USE

SEED/SOD INSTALLATION Apply one 25 pound bag per 2000 square feet after installing sod or after seeding.

TOP DRESS FERTILIZING Specific application rate is based on the amount of nutrient desired. Consult the chart below for three rate level options.

MAINTENANCE Apply every 6 to 8 weeks.

APPLICATION RATES

Rate	Coverage
Pounds of Healthy Turf 8-1-9 per 1000 sq ft	Pounds of Nitrogen and Potassium delivered per 1000 sq ft
12 pounds	1 pound
6 pounds	1/2 pound
3 pounds	1/4 pound

MAINTENANCE Apply every 6 to 8 weeks.

BROADCAST SPREADER SETTINGS*

Rate (Lbs) per 1000 ft ²	Speedy Green	Lesco 80-Lb	Earthway	Spyker
12	13 1/2	#19 (2x)	30 (2x)	Wide open (2x)
6	7 1/4	#19	30	Wide open
3	4 3/4	#14	20	7
Average width of spread	5 feet	10 feet	13 feet	10 feet

DROP SPREADER SETTINGS*

Rate (Lbs) per 1000 ft ²	Earthway Drop Spreader	Scotts Drop Precision Green	Scotts Drop AccuGreen
12	24	15	15
6	18	10 1/2	9 1/2
3	14	8	7 1/2
Average width of spread	Overlap Wheels	Overlap Wheels	Overlap Wheels

NOTE: 2X means 2 passes

***Spreader settings:** Spreader settings vary considerably based on your walking speed, product density, particle size and other variables. These settings are approximate, and should be used as a starting point for determining a more precise setting for your application technique.

SOIL AMENDMENT TO INCREASE ORGANIC CONTENT AND BIOACTIVITY FOR EXISTING LAWNS

GUARANTEED ANALYSIS 8-1-9

NUTRIENT	% By Weight
Total Nitrogen (N).....	8%
1.5% Water soluble Nitrogen	
6.5% Water Insoluble Nitrogen	
Available Phosphorus (P ₂ O ₅).....	1%
Soluble Potash (K ₂ O)	9%

Derived from: Meat Meal, Bone Meal, Blood Meal, Feather Meal, Fish Meal, Natural Sulfate of Potash, Natural Nitrate of Soda.

SOIL AMENDING INGREDIENTS

MICROBIAL CONTENT	168 Million cfu/Lb
28 Million cfu/Lb <i>Bacillus licheniformis</i>	
28 Million cfu/Lb <i>Bacillus megaterium</i>	
28 Million cfu/Lb <i>Bacillus polymyxa</i>	
28 Million cfu/Lb <i>Bacillus subtilis</i>	
28 Million cfu/Lb <i>Bacillus thuringiensis</i>	
28 Million cfu/Lb <i>Paenibacillus azotofixans</i>	

Fertilizer Ingredients.....98.9%

Inert Ingredients1.1%

1% Leonardite humates
0.1% Maltodextrin

CONTAINS NO MANURE, SEWAGE OR SLUDGE INGREDIENTS

STORAGE/SHELF LIFE

This product is stable in cool, dry storage conditions. See expiration date on package.

PACKAGING

25 and 50-Lb bags

BULK DENSITY

40 pound per cubic foot

HEALTH AND SAFETY INFORMATION

- In case of allergic reaction(s), treat symptoms and contact physician.
- In case of ingestion, seek medical attention.
- **Keep out of reach of children.**

TECHNICAL ASSISTANCE

For technical assistance, call 1-800-421-9051

Plant Health Care, Inc.
440 William Pitt Way • Pittsburgh, PA 15238
Tel: (800) 421-9051 • Fax: (412) 826-5445
www.planthealthcare.com

© 2005 Plant Health Care, Inc.

7/06



LIMITED WARRANTY Plant Health Care, Inc. offers for sale the product Healthy Turf® 8-1-9. THERE ARE NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE which extend beyond the description of the product in this specification sheet or other product literature, and liability of Plant Health Care, Inc. is limited to replacement of any product which does not meet these specifications. Suggestions for use and information on results obtained with its use are assumed by the manufacturer to be reliable. Since conditions of use are outside the control of Plant Health Care, Inc. the buyer is responsible for all results, including injury and damage stemming from the use of this product alone or in combination with other materials.

20-10-10

LESCO® PROFESSIONAL TURF FERTILIZER

For use in Rotary Spreaders Only

Contains LESCO® Poly Plus® Sulfur Coated Urea to provide a uniform growth with extended nitrogen feeding.

50 lb COVERS 10,000 sq ft

DIRECTIONS FOR USE: This LESCO product is a professional quality turf fertilizer for use on all lawn areas. The best results with this product are obtained when it is applied to actively growing grass, and watered into the turf soon after application. Avoid mowing immediately following application to prevent pick-up.

For best results, sweep or blow the fertilizer off walks and painted surfaces following application to avoid discoloration.

Recommended applications are at the rate of one pound of nitrogen per 1,000 sq ft. Actual rates and timing of applications will vary with weather, soil and turf conditions.

For additional product assistance, call LESCO, Inc. in Cleveland, Ohio at 1-800-321-5325.

COVERAGE: 50 pounds of LESCO 20-10-10 Fertilizer covers approximately 10,000 sq ft at the application rate of one pound of nitrogen (5.0 pounds of fertilizer) per 1,000 sq ft.

GUARANTEED ANALYSIS

TOTAL NITROGEN (N)	20.00%
3.85% Ammoniacal Nitrogen (N)	
16.15% Urea Nitrogen (N)*	
AVAILABLE PHOSPHATE (P₂O₅)	10.00%
SOLUBLE POTASH (K₂O)	10.00%
SULFUR (S) Total	3.08%
3.08% Free Sulfur (S)	
IRON (Fe) Total	1.00%
0.01% Water Soluble Iron (Fe)	

DERIVED FROM: Polymer Coated Sulfur Coated Urea, Urea, Ammonium Phosphate, Muriate of Potash, Iron Sulfate.

CHLORINE (Cl) Max..... 8.00%

*9.00% Slowly Available Urea Nitrogen from Polymer Coated Sulfur Coated Urea.

ROTARY SPREADER SETTINGS: Apply LESCO Fertilizers and Combination Products only with a rotary spreader. The following rotary spreader settings are approximate for the application rates of one pound of nitrogen per 1,000 square feet. You may need to adjust the setting depending on walking speed, spreader condition and product.

ROTARY SPREADER	SETTINGS
LESCO	Calibration Gauge #16
SCOTTS® R8A	K
Cyclone® or Spyker®	4½
LESCO Pendulum	30
Lely®	4½ II

F1560

CONDITION 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 must be followed carefully and completely. It is impossible to eliminate all risks inherently associated with the use of this product. To the extent consistent with applicable law, Buyer and/or User assume all risks of ineffectiveness or other unintended consequences or damages that may result from conditions outside or beyond the control of LESCO, Inc. including but not limited to, such factors as manner of use or application, weather or weather conditions outside the range considered normal at the application site or for the time period in which the product is applied, the, presence of other materials, incompatible products, or other influencing factors which are beyond the control of LESCO, Inc.. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and/or User, and Buyer and/or User agrees to hold LESCO, Inc. harmless for any claims relating to such factors.

LESCO, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with the Directions for Use under normal use conditions. To the extent consistent with applicable law, this warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of LESCO, Inc. and Buyer and/or User assume the risk of any such use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, LESCO, INC. MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE BUYER AND/OR USER AND THE EXCLUSIVE LIABILITY OF LESCO, INC. 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 LESCO, INC. REPLACEMENT OF THE PRODUCT, OR IF NOT ACQUIRED BY PURCHASE, REPLACEMENT OF SUCH QUANTITY. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL LESCO, Inc., BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES.

LESCO, Inc. offers this product, and Buyer and/or User accepts it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of LESCO, Inc.

Information concerning the raw materials composing this product can be obtained by writing to: LESCO, Inc., Attn: RA Dept, 1301 East 9th Street, Suite 1300, Cleveland, Ohio 44114-1849, referring to the item number found on this bag.

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.regulatory-info-a1.com>

LESCO and Poly Plus are registered trademarks and the sweeping design is a trademark of LESCO Technologies, LLC. SCOTTS is a registered trademark of The SCOTT Company. Cyclone and Spyker are registered trademarks of Spyker Spreaders, LLC. Lely is a registered trademark of C Van Der Lely N.V.

G:\REGUL\WP\ERIEVIEW\Aprvd Lbl - Word\033007.doc Rev. 3/29/07 DB

NET WEIGHT 50 lb (22.7 kg)

Made in U.S.A. Distributed by LESCO, Inc. • 1301 East 9th Street • Cleveland, OH 44114-1849

#033007

NAME	CAS #
Urea	57-13-6
Diammonium Phosphate	7783-28-0
Potassium Chloride	7447-40-7
Iron Sulfate	8047-67-4



MERIT® 0.2 Plus Turf Fertilizer

For fertilization and insect control in turfgrass and landscape ornamentals and sod farms

Fertilizer with MERIT® Insecticide

ACTIVE INGREDIENT:

Imidacloprid, 1-[(6-Chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine 0.2%

OTHER INGREDIENTS: 99.8%
Total 100.0%

U.S. Patent No. 5,783,203
Contains LESCO® Poly Plus® Sulfur Coated Urea to provide uniform growth with extended nitrogen feeding.

STOP - Read the label before use
KEEP OUT OF REACH OF CHILDREN
CAUTION

PRECAUCION AL USUARIO: Si usted no puede leer o entender inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.
(TO THE USER: If you cannot read or understand English, do not use this product until the label has been fully explained to you.)

For MEDICAL and TRANSPORTATION Emergencies ONLY
Call 24 Hours A Day 1-800-334-7577
For PRODUCT USE Information Call 1-800-321-5325

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION Harmful if swallowed or absorbed through skin. Causes eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling.

FIRST AID

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 a poison control center or doctor.• Do not give anything by mouth to an unconscious person.
If on skin or clothing:	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a poison control center or doctor for treatment advice.
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.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.
Note to Physician:
No specific antidote is available. Treat the patient symptomatically.

Personal Protective Equipment (PPE)

WPS USES: Applicators and Other Handlers who handle this product for any use covered by the Worker Protection Standard (40 CFR part 170) – in general, agricultural plant uses e.g., use in sod farms, must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinylchloride (PVC) or viton. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart
- Shoes plus socks

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

Non-WPS USES: Applicators and other handlers who handle this product for any use NOT covered by the Worker Protection Standard (40 CFR part 170) – in general, only agricultural plant uses are covered by the WPS, must wear:

- Shirt and pants
- Gloves
- Shoes plus socks

User Safety Recommendation:

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

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

This chemical demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in 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 persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirement specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

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

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is

- Coveralls
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

Do not formulate this product into other end-use products.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Keep children and pets off treated area until dry.

24-0-8

GUARANTEED ANALYSIS

TOTAL NITROGEN (N)24.00%
24.00% Urea Nitrogen*
SOLUBLE POTASH (K₂O).....8.00%
SULFUR (S) Total2.90%
2.90% Free Sulfur (S)
IRON (FE) Total2.00%
0.02% Water Soluble Iron (Fe)
DERIVED FROM: Polymer Coated Sulfur Coated Urea, Urea, Muriate of Potash, Iron Sucrate.
CHLORINE (Cl) Max.6.00%
*8.60% Slowly available Urea Nitrogen from Polymer Coated Sulfur Coated Urea.

EPA Reg. No. 432-1349-10404

EPA Est. No. 82757-OH-001 (M)
82757-FL-001 (S)
82757-MA-002 (H)

STORAGE AND DISPOSAL

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

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Non-refillable container. Do not re-use or refill this container. Offer for recycling if available. Completely empty bag into application equipment. Dispose of empty bag in a sanitary landfill or by incineration or if allowed by the state and local authorities, by burning. If burned, stay out of smoke.

Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If material is spilled for any reason or cause, carefully contain any spilled material to prevent non-target contamination. Do not walk through spilled material and dispose of as directed for pesticides above.

Refer to Precautionary Statements on label for hazards associated with the handling of this material. In spill or leak incidents, keep unauthorized people away.

#082087
T

MERIT® 0.2 Plus Turf Fertilizer

APPLICATION TO TURFGRASS

The use of this product will provide plant nutrients as well as providing control of selected insect pests. LESCO MERIT 0.2 Plus Turf Fertilizer can be used for the control of soil inhabiting pests of turfgrass, for example, Northern & Southern masked chafers, *Cyclocephala borealis*, *C. immaculata*, and/or *C. lurida*; Asiatic garden beetle, *Maladera castanea*; European chafer, *Rhizotrogus majalis*; Green June beetles, *Cotinus nitida*; May or June beetles, *Phyllophaga* spp.; Japanese beetle, *Popillia japonica*; Oriental beetle, *Anomala orientalis*; sugarcane beetle, *Euetheola humulis rugiceps*; Billbugs, *Sphenophorus* spp.; Annual bluegrass weevil, *Listronotus maculicollis*. Black turfgrass ataenius, *Ataenius spretulus*; *Aphodius* spp.; crane flies, *Tipula* spp., and mole crickets, *Scapteriscus* spp. LESCO MERIT 0.2 Plus Turf Fertilizer can be used as directed on turfgrass, for example, in home lawns, business and office complexes, shopping complexes, multi-family residential complexes, golf courses, airports, cemeteries, parks, playgrounds, athletic fields and sod farms. The active ingredient in LESCO MERIT 0.2 Plus Turf Fertilizer has sufficient residual activity so that applications can be made preceding the egg laying activity of the target pests. High levels of control can be achieved when applications are made preceding or during the egg laying period. The need for an application can be based on historical monitoring of the site, previous records or experiences, current season adult trapping or other methods.

Optimum control will be achieved when applications are made prior to egg hatch of the target pest, followed by sufficient irrigation or rainfall to move the active ingredient through the thatch. Do not make applications when turfgrass areas are waterlogged or the soil is saturated with water. Adequate distribution of the active ingredient cannot be achieved when these conditions exist. The treated turf must be in such a condition that the rainfall or irrigation will penetrate vertically into the soil profile. Applications cannot exceed a total of 200 lb (0.4 lb of active ingredient) per acre per year.

APPLICATION TO ORNAMENTALS

LESCO MERIT 0.2 Plus Turf Fertilizer can be used as a broadcast application on ornamentals in commercial and residential landscapes, as well as on landscaped areas of golf courses and other recreational areas. This is a systemic product, with the active ingredient being absorbed by the roots and translocated upward within the plant. Optimum control will be achieved when applications are followed by sufficient mechanical incorporation, irrigation or rainfall to place the active ingredient into the soil. Make application prior to anticipated pest infestation to achieve optimum levels of control. Applications of LESCO MERIT 0.2 Plus Turf Fertilizer cannot exceed a total of 200 lb (0.4 lb of active ingredient) per acre per year. NOTE: Not for use in commercial greenhouses, or nurseries.

APPLICATION RATES			
CROP	PEST		DOSAGE LESCO MERIT 0.2 Plus Turf Fertilizer
Turf Grasses	Annual bluegrass weevil Billbugs Crane flies	Green June beetle Japanese beetle Northern masked chafer Oriental beetle <i>Phyllophaga</i> spp Southern masked chafer Sugarcane beetle	150 to 200 lb per acre or 3.5 to 4.5 lb per 1000 sq ft
	Larvae of white grubs, for example: <i>Aphodius</i> sp. Asiatic garden beetle Black turfgrass ataenius European chafer		
	For optimum control, make application prior to egg hatch of the target pest. Be sure to read "APPLICATION EQUIPMENT" Section of this label.		
	Mole crickets Chinch bugs (suppression)		200 lb per acre or 4.5 lb per 1000 sq ft
For suppression of chinch bugs, make application prior to the hatching of the first instar nymphs. For control of mole crickets make application within one week of the peak egg hatch period. If application is not made prior to egg hatch, and adults or large nymphs are present and actively tunneling, apply LESCO MERIT 0.2 Plus Fertilizer in combination with a remedial insecticide to minimize damage to turf.			
Consult your local State Agricultural Experiment Station or State Extension Turf Specialists for more specific information regarding timing of application. NOTE: For optimum control, irrigate if rainfall does not occur within 24 hours after application to move the active ingredient through the thatch. On golf courses, irrigate treated areas following application. Do not apply more than 200 lb (0.4 lb of active ingredient) per acre per year. Avoid mowing turf or lawn area until after irrigation or rainfall has occurred so that uniformity of application will not be affected.			

APPLICATION RATES FOR USE ON ORNAMENTALS			
CROP	PEST		DOSAGE LESCO MERIT + Turf Fertilizer
Landscape Plantings Including: Trees, Shrubs, Evergreens, Flowers, Foliage, Plants, Ground Covers	White grub larvae for example : Japanese beetle larvae, Chafers, <i>Phyllophaga</i> spp., Asiatic garden beetle, Oriental beetle		3.5 to 4.5 lb per 1,000 sq ft
Apply as a broadcast treatment. Prior to application, remove black plastic or other weed barrier material that will not permit water permeability. NOTE: For optimum control, mechanical incorporation, irrigation or rainfall must occur within 24 hours after application to move the active ingredient into soil. Refer to label sections on application equipment and spreader settings.			

APPLICATION EQUIPMENT

Apply LESCO MERIT 0.2 Plus Turf Fertilizer uniformly over the area being treated with typical granular application equipment. Both drop-type and rotary-type spreaders may be used to apply LESCO MERIT 0.2 Plus Turf Fertilizer. Avoid the use of spreaders which would apply the material in narrow, concentrated bands. Calibrate application equipment prior to use according to the manufacturer's directions. Check frequently to be sure equipment is working properly and distributing granules uniformly and accurately.

Spreader Setting for LESCO MERIT 0.2 Plus Turf Fertilizer

The following chart can be used as a guide in establishing an accurate rate of LESCO MERIT 0.2 Plus Turf Fertilizer. The suggested settings must provide an application rate of 3.5 lb per 1000 sq ft, or 150 lb per acre. Application rates will vary dependent upon speed, equipment wear and condition of spreader. Carefully calibrate all equipment used prior to commercial use of this product.

ROTARY SPREADER	SETTINGS
LESCO Calibration Gauge	#14
Cyclone® or Spyker®	4
Vicon®	22
Lely®	4 II

RESTRICTIONS

Avoid runoff or puddling of irrigation water following application. Avoid application of LESCO MERIT 0.2 Plus Turf Fertilizer to areas which are water-logged or saturated, which will not allow penetration into the root zone of the plant. Do not apply more than 200 lb (0.4 lb of active ingredient) per acre per year. Do not apply to vegetable gardens.

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties, and Limitations of liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, 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 weather conditions, presence of other materials or the manner of use or application, all of which are beyond the control of LESCO, INC. All such risks shall be assumed by the user or buyer.

EPA Reg. No. 432-1349-10404

EPA Est. No. 82757-OH-001(M); 82757-FL-001 (S), 82757-MA-002 (H)

F1560

Distributed by: **LESCO, Inc.**
1385 East 36th Street
Cleveland, OH 44114-4114



DISCLAIMER OF WARRANTIES: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, LESCO, INC. MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of LESCO, INC. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, LESCO, INC. disclaims any liability whatsoever for special, incidental or consequential damages, resulting from the use or handling of this product.

LIMITATIONS OF LIABILITY: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT LESCO, INC.'S ELECTION, THE REPLACEMENT OF PRODUCT.

LESCO MERIT 0.2 Plus Turf Fertilizer is specially formulated and sold by LESCO, INC. for the control of insects according to the directions on this label. Bayer Cropscience LP has rights to U.S. Patent No. 5,783,203. The purchase price of LESCO MERIT 0.2 Plus Turf Fertilizer includes a prepaid license under which purchaser agrees to employ the purchased quantity of LESCO MERIT 0.2 Plus Turf Fertilizer only for the above-specified uses under Bayer's United States patent rights and to provide notice of the terms and conditions of this license to any subsequent purchaser. Uses of LESCO MERIT 0.2 Plus Turf Fertilizer other than those specified on this label are not licensed through the purchase of this product.

Information concerning the raw materials composing this product can be obtained by writing to: LESCO, Inc., Attn: RA Dept, 1385 East 36th Street, Cleveland, Ohio 44114-4114, referring to the item number found on this bag.

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfco.org/metals.htm>.

Poly Plus is comprised of Polymer Coated Sulfur Coated Urea.

MERIT is a registered trademark of Bayer. LESCO and Poly Plus are registered trademarks and the sweeping design is a trademark of LESCO Technologies, LLC. Cyclone and Spyker are registered trademarks of Spyker Spreaders, LLC. Lely is a registered trademark of C Van Der Lely N.V. Vicon is a registered trademark of Ransomes-Cushman-Ryan.

G:\REGUL\WP\Ereview\Apprvd-Lbl Word\082087.doc
Rev. 7/28/10 VT (022509)

Net Weight: 50 lb (22.7 kg)

#082087
T

PHC[®] 14-0-2

A HOMOGENOUS PROFESSIONAL TURF FERTILIZER

PHC[®] 14-0-2 is a combination fertilizer specially formulated for turfgrass. It contains NPK fertility derived from both natural and conventional sources, and includes beneficial rhizosphere bacteria to boost biological soil fertility. PHC[®] 14-0-2 is manufactured as homogenous granules that penetrate through the turf canopy. It provides rich organic material and active rhizosphere bacteria to depleted soils.

ZERO
PHOSPHATE

Suitable for use in areas
with phosphate restrictions

GUARANTEED ANALYSIS	
Total Nitrogen (N).....	14%
10.5% Urea Nitrogen	
3.5% Water-Insoluble Nitrogen	
Soluble Potash (K ₂ O).....	2%
Sulfur (S).....	3%
3% Combined Sulfur	
Derived From: Feather Meal, Blood Meals, Urea and Muriate of Potash	
ALSO CONTAINS NON PLANT FOOD INGREDIENTS	
SOIL AMENDING INGREDIENTS	
<i>Rhizosphere bacillus spp</i>	168 Million cfu/Lb
28 Million cfu/Lb <i>Bacillus lichiniiformis</i>	
28 Million cfu/Lb <i>Bacillus megaterium</i>	
28 Million cfu/Lb <i>Bacillus polymyxa</i>	
28 Million cfu/Lb <i>Bacillus subtilis</i>	
28 Million cfu/Lb <i>Bacillus pumilus</i>	
28 Million cfu/Lb <i>Paenibacillus azotofixans</i>	
OTHER INGREDIENTS	
Fertilizer Ingredients.....	99.75%
Inert Ingredients	0.25%
0.125% Maltodextrin	
0.125% Seaweed Meal (<i>Ascophyllum nodosum</i>)	

DIRECTIONS FOR USE:

Apply 7 lbs. per 1,000 sq. ft. for the following:

LAWN CARE MAINTENANCE: Reapply 4 to 6 times per year at a 6 to 8-week interval

AERATION FEED: Apply with each aeration

AS A LATE FALL FEED

NEW SEEDING AND SODDING: Incorporate into upper 2-3 inches for use as a seedbed preparation.

APPLICATION RATES	
Amount of Product (Lb/1,000 ft ²)	Nitrogen Applied (Lb/1,000 ft ²)
7	1
5	3/4
3 1/2	1/2
1 3/4	1/4

PARTICLE SIZE: 200 SGN.

STORAGE: This product is stable in cool, dry storage conditions.

NOTICE: Buyer assumes all responsibility for safety and use not in accordance with directions. Read entire label carefully.

HEALTH AND SAFETY INFORMATION: In case of allergic reaction(s), treat symptoms and contact physician. In case of ingestion, seek medical attention. Wash hands after handling. **Keep out of reach of children.**

TECHNICAL ASSISTANCE: For technical assistance, call **1-800-421-9051**.

**Net Wt. 50-Lbs
(22.7-Kg)**

Plant Health Care, Inc.
285 Kappa Drive, Suite 100, Pittsburgh, PA 15238

225 8/09

1-800-421-9051
www.planthealthcare.com
© 2009 Plant Health Care, Inc.



F#1425
Information regarding the contents and levels of metals in this product is available on the internet at: <http://www.regulatory-info-phc.com>

EXPIRATION DATE:

PHC[®] 8-2-2

A HOMOGENOUS PROFESSIONAL TURF FERTILIZER

PHC[®] 8-2-2 is a combination natural and conventional fertilizer specially formulated for turfgrass. It contains NPK fertility derived from both natural and conventional sources, and includes beneficial rhizosphere bacteria to boost biological soil fertility. PHC[®] 8-2-2 is manufactured as homogenous granules that penetrate through the turf canopy. It provides rich organic material and active rhizosphere bacteria to depleted soils.

GUARANTEED ANALYSIS	
Total Nitrogen (N).	8%
6.7% Ammoniacal Nitrogen	
1.3% Water-Insoluble Nitrogen	
Available Phosphate (P ₂ O ₅).	2%
Soluble Potash (K ₂ O).	2%
Calcium (Ca).	7%
0% Water Soluble Calcium (Ca)	
Sulfur (S).	4%
4% Combined Sulfur (S)	
Derived From: Composted Poultry Litter, Feather Meal, Ammonium Sulfate, and Potassium Sulfate.	
ALSO CONTAINS NON PLANT FOOD INGREDIENTS	
SOIL AMENDING INGREDIENTS	
Rhizosphere <i>Bacillus spp.</i>	168 Million cfu/Lb
28 Million cfu/Lb <i>Bacillus lichiniiformis</i>	
28 Million cfu/Lb <i>Bacillus megaterium</i>	
28 Million cfu/Lb <i>Bacillus polymyxa</i>	
28 Million cfu/Lb <i>Bacillus subtilis</i>	
28 Million cfu/Lb <i>Bacillus pumilus</i>	
28 Million cfu/Lb <i>Paenibacillus azotofixans</i>	
OTHER INGREDIENTS	
Fertilizer Ingredients.	99.75%
Inert Ingredients.	0.25%
0.125% Maltodextrin	
0.125% Seaweed Meal (<i>Ascophyllum nodosum</i>)	

Information regarding the contents and levels of metals in this product is available on the internet at: <http://www.regulatory-info-phc.com>

DIRECTIONS FOR USE:

SEED/SOD INSTALLATION: Apply 12 pound per 1,000 square feet before installing sod or after seeding.

TOP DRESSING FERTILIZER: Apply as a topdressing by hand or by using a spreader. Reapply every 6 to 8 weeks. Specific application rate is based on the amount of nutrient desired. Consult the chart below for three rate level options.

APPLICATION RATES	
Amount of Product (Lb/1,000 ft ²)	Nitrogen Applied (Lb/1,000 ft ²)
12	1
6	1/2
3	1/4

STORAGE: This product is stable in cool, dry storage conditions.

NOTICE: Buyer assumes all responsibility for safety and use not in accordance with directions. Read entire label carefully.

HEALTH AND SAFETY INFORMATION: In case of allergic reaction(s), treat symptoms and contact physician. In case of ingestion, seek medical attention. Wash hands after handling.

Keep out of reach of children.

TECHNICAL ASSISTANCE: For technical assistance, call **1-800-421-9051**.

Net Wt. 50-Lbs
(22.7-Kg)

Plant Health Care, Inc.
285 Kappa Drive, Suite 100, Pittsburgh, PA 15238 850 8/09

1-800-421-9051
www.planthealthcare.com
© 2009 Plant Health Care, Inc.



EXPIRATION DATE:

Sedgehammer™

TURF HERBICIDE

SEDGEHAMMER is a selective herbicide for the control of nutsedge and other weeds in turfgrass and landscaped areas

ACTIVE INGREDIENT: * Halosulfuron-methyl	% by Wt. 75.0%
OTHER INGREDIENTS:	25.0%
	Total: 100.0%

Read the entire label before using this product. Use only according to label instructions. Read **"NOTICE OF CONDITIONS OF SALE AND WARRANTY AND LIABILITY LIMITATIONS"** before buying or using. If terms are not acceptable, return at once unopened.

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

KEEP OUT OF REACH OF CHILDREN

CAUTION

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 5 minutes, then continue rinsing eye.• Call poison control center or physician for treatment advice.
IF SWALLOWED	<ul style="list-style-type: none">• Call poison control center or physician immediately for treatment advice.• Remove visible particles from mouth.• Have person rinse mouth thoroughly with water, spit out rinse water.• 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.
<ul style="list-style-type: none">• Have the product container or label with you when calling a poison control center or physician, or going for treatment.• FOR MEDICAL EMERGENCIES INVOLVING THIS PRODUCT, CALL TOLL FREE 1-888-478-0798.• This product is identified as SEDGEHAMMER Turf Herbicide, EPA Reg. No. 81880-1-10163.	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

CAUSES MODERATE EYE IRRITATION. HARMFUL IF SWALLOWED. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- long-sleeved shirt and long pants
- shoes plus socks.

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.

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

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

NET CONTENTS ____ OUNCES

EPA Reg. No. 81880-1-10163
EPA Est. No. 065387-AR-003



Distributed by:
Gowan Company
P.O. Box 5569
Yuma, AZ 85366-5569

ENVIRONMENTAL HAZARDS

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

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

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any manner inconsistent with its labeling. This product can only be used in accordance with the Directions For Use on this label or in separately published Gowan Supplemental Labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

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

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- coveralls
- shoes plus socks
- chemical-resistant gloves, such as nitrile rubber, neoprene rubber or polyethylene. For more options, follow instructions for category A (dry and water-based formulations) on an EPA chemical resistant category selection chart.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Keep people off treated areas until spray solution has dried.

GENERAL INFORMATION

SEDGEHAMMER is a selective herbicide for post-emergence control of sedges such as purple and yellow nutsedge in established lawns, ornamental turfgrass, and landscaped areas. SEDGEHAMMER may be applied to commercial and residential turf and on other non-crop sites including: airports, cemeteries, fallow areas, golf courses, landscaped areas, public recreation areas, residential property, roadsides, school grounds, sod or turf seed farms, sports fields, landscaped areas with established woody ornamentals, fairgrounds, race tracks, tennis courts, campgrounds and rights-of-way.

TURFGRASSES

When applied as directed under the conditions described, the following established turfgrasses are tolerant to this product:

Cool-Season Grasses

Bentgrass, creeping <i>Agrostis stolonifera</i>	Fescue, fine <i>Festuca arundinacea</i>
Bluegrass, Kentucky <i>Poa pratensis</i>	Fescue, tall <i>Festuca arundinacea</i>
Ryegrass, perennial <i>Lolium perenne</i>	

Warm-Season Grasses

Bahiagrass <i>Paspalum notatum</i>	Seashore paspalum <i>Paspalum vaginatum</i>
Bermudagrass <i>Cynodon dactylon</i>	St. Augustinegrass <i>Stenotaphrum secundatum</i>
Centipedegrass <i>Eremochloa ophiuroides</i>	Zoysiagrass <i>Zoysia japonica</i>
Kikuyugrass <i>Pennisetum clandestinum</i>	

ESTABLISHED WOODY ORNAMENTALS IN LANDSCAPED AREAS

This product may be applied at recommended rates as a post-directed spray around any established woody ornamental species in landscaped areas. For transplanted woody ornamentals, allow three months after transplanting before applying this product.

NOTE: Avoid contact of this product to leaves of desirable plants since foliar injury, discoloration or death may result.

FALLOW TREATMENTS

This product may be used on fallow areas prior to the establishment of turfgrass or woody ornamental plants. Allow 4 weeks between application and seeding or sodding of turfgrass, or transplanting woody ornamentals.

WEEDS CONTROLLED

When applied post-emergence, this product will control the following weeds:

Purple nutsedge
Cyperus rotundus

Yellow nutsedge
Cyperus esculentus

When applied postemergence, this product will suppress the following weed:

Kyllinga spp.

APPLICATION DIRECTIONS

Rates and timing of Application

Broadcast Applications:

For post-emergence control of purple or yellow nutsedge found in established turfgrass, apply 2/3 to 1 1/3 ounces by weight of this product per acre (0.031 to 0.062 pound active ingredient per acre) after nutsedge has reached the 3 to 8 leaf stage of growth. Use the lower rate in light infestations and the higher rate in heavy infestations.

A second treatment may be required 6 to 10 weeks after the initial treatment. As a sequential treatment, when new purple or yellow nutsedge plants have reached the 3 to 8 leaf stage of growth, apply 2/3 to 1 1/3 ounces by weight of this product per acre (0.031 to 0.062 pound active ingredient per acre). Use the lower rate in light infestations and the higher rate in heavy infestations. No more than 4 applications can be made with the total use rate not exceeding 5 1/3 ounces by weight of this product (0.25 pounds active ingredient) per acre per use season.

Use 0.25-0.5 percent v/v of a nonionic surfactant (1-2 quarts per 100 gallons of spray solution) for broadcast applications. For high volume applications, DO NOT exceed 1 quart of surfactant per acre. Use only nonionic surfactants that contain at least 80 percent active material.

Spot Treatments:

Mix 0.9 gram of this product in one or two gallons of water to treat 1000 square feet. Add 2 teaspoons (1/3 fluid ounce) of nonionic surfactant per gallon of water.

INSTRUCTIONS FOR WATER DISPERSIBLE GRANULE IN 1.3 OUNCE BOTTLE: Mix 0.9 gram of this product (using the measuring scoop provided) in one or two gallons of water to treat 1000 square feet. Add 2 teaspoons (1/3 fluid ounce) of nonionic surfactant per gallon of water. Ensure the product is measured as a level scoop and not rounded.

INSTRUCTIONS FOR WATER DISPERSIBLE GRANULE PREMEASURED IN WATER SOLUBLE BAG: Add one (1) water-soluble bag of this product per one or two gallons of water in a hand-held or backpack sprayer to treat 1000 square feet. Add 2 teaspoons (1/3 fluid ounce) of a nonionic surfactant per gallon of spray solution. Mix or shake thoroughly for at least two minutes to ensure that the water-soluble bag and ingredients are completely dispersed.

Occasionally shake the spray solution while spraying to ensure that it remains thoroughly mixed. Spray the target weeds thoroughly and wet the entire leaf surface of the undesirable plants.

DO NOT exceed the recommended amount of surfactant due to the potential for turf injury at higher rates. Refer to the surfactant label and observe all precautions, mixing and application instructions.

TANK MIX WITH GLYPHOSATE HERBICIDE IN LANDSCAPED AND FALLOW AREAS AND TURF RENOVATION.

This product may be tank mixed with Glyphosate herbicide for application as a directed spray in landscaped or fallow areas.

APPLICATION EQUIPMENT AND INSTRUCTIONS

Calibrate application equipment prior to application of this product. Application should be uniform and of sufficient volume to avoid streaking or skips. Avoid excessive overlap of the spray.

USE PRECAUTIONS

For optimum results, do not mow turf for 2 days before or 2 days after application.

This product is effective if no rainfall occurs within 3 hours, but best results are obtained with no rainfall or irrigation for at least 4 hours.

This product may be used on seeded, sodded, or sprigged turfgrass that is well established. Allow the turf to develop a good root system and uniform stand before application.

Treated areas may be over seeded with annual or perennial ryegrass or bermudagrass, 2 weeks after application.

Color plants or herbaceous ornamentals may be injured when transplanted into landscaped areas treated with SEDGEHAMMER.

Avoid application of SEDGEHAMMER when turfgrass or nutsedge is under stress since turf injury and poor nutsedge control may result.

Do not apply as an over-the-top spray to desirable flowers, ornamentals, vegetables, shrubs or trees.

Do not apply this product to golf course putting greens.

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

STORAGE AND DISPOSAL

Do not contaminate water, foodstuffs, feed or seed by storage or disposal.

PESTICIDE STORAGE: Store under cool, dry conditions (below 120°F). Do not store under moist conditions.

PESTICIDE 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, or in such other method as approved under those procedures.

Emptied container retains vapor and product residue. Observe all labeled safeguards until container is destroyed.

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

PAPER OR PLASTIC BAG: completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

INSTRUCTIONS FOR WATER DISPERSIBLE GRANULE IN 1.3 OUNCE BOTTLE:

Do not reuse container. Triple rinse container, then puncture and dispose of in a sanitary landfill, or by incineration, or by burning, if allowed by state and local authorities. If burned, stay out of smoke.

INSTRUCTIONS FOR WATER DISPERSIBLE GRANULE PREMEASURED IN WATER SOLUBLE BAG: Completely use water-soluble bags in application equipment. Then dispose of empty foil pouch and cardboard box in a sanitary landfill, or by incineration, or by burning, if allowed by state and local authorities. If burned, stay out of smoke.

DISPOSAL AUTHORITIES: If none of the foregoing procedures is permitted by state and local authorities, then contact your State Pesticide or Environmental Control Agency, or your local Hazardous Waste Disposal office, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

FOR 24-HOUR EMERGENCY ASSISTANCE (SPILL, LEAK OR FIRE), CALL CHEMTREC® (800) 424-9300.

For more product information, call toll-free 1-800-883-1844.

NOTICE OF CONDITIONS OF SALE AND WARRANTY AND LIABILITY LIMITATIONS

Important: Read the entire Directions for Use and Notice of Conditions of Sale and Warranty and Liability Limitations before using this product. If terms are not acceptable return the unopened container for a full refund.

Our recommendations for use of this product are based on tests believed to be reliable. However, it is impossible to eliminate all risk associated with the use of this product. Crop injury, inadequate performance, or other unintended consequences may result due to soil or weather conditions, off target movement, presence of other materials, method of use or application, and other factors, all of which are beyond the control of Gowan Company. All such risks shall be assumed by the Buyer and User.

Gowan Company warrants that this product conforms to the specifications on the label and is reasonably fit for the intended purpose referred to on the label when used in strict conformance with Direction for Use, subject to the above stated risk limitations. GOWAN COMPANY MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

BUYER'S OR USER'S EXCLUSIVE REMEDY AND GOWAN COMPANY'S EXCLUSIVE LIABILITY FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, OR ANY OTHER LEGAL THEORY IS STRICTLY LIMITED TO THE PURCHASE PRICE PAID OR REPLACEMENT OF PRODUCT, AT GOWAN COMPANY'S SOLE DISCRETION.

* Manufactured by Nissan Chemical Industries, Ltd.
Product is protected by U.S. Patent No. 4,668,277

SEDGEHAMMER™ is a trademark of Gowan Company LLC.

01-R0705

Supplemental Labeling for Industrial, Turf & Ornamental Uses

Sedgehammer™

TURF HERBICIDE

FOR USE ON ROADSIDES, RIGHTS OF WAY, TANK FARMS, LUMBERYARDS, FUEL STORAGE AREAS,
FALLOW LAND, AND FENCE ROWS FOR HORSETAIL CONTROL

EPA Reg. No. 81880-1-10163

	% by Wt.
ACTIVE INGREDIENT:* Halosulfuron-methyl	75.0%
OTHER INGREDIENTS:	25.0%
	Total: 100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

FOR MEDICAL EMERGENCIES INVOLVING THIS PRODUCT, CALL TOLL FREE 1-888-478-0798.

READ AND FOLLOW THE ENTIRE LABEL FOR SEDGEHAMMER TURF HERBICIDE BEFORE PROCEEDING WITH THE USE DIRECTIONS CONTAINED IN THIS SUPPLEMENTAL LABELING.

When using SEDGEHAMMER as permitted according to this supplemental labeling, read and follow all applicable directions, restrictions, and precautions on the label pamphlet provided with the pesticide container and on this supplemental labeling. This supplemental must be in the possession of the user at the time of application.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any manner inconsistent with the labeling.
This label must be in the possession of the user at the time of the herbicide application.

NOTE: Applications of this product should not contact leaves of desirable plants since foliar injury, discoloration or death may result.

Roadsides And Other Industrial Sites

This product may be applied at recommended rates as a post-emergence spray on roadsides and other industrial sites. See the label booklet for application instructions, rate recommendations, weeds controlled and proper growth stage.

When applied post-emergence, this product will suppress the following weeds: cocklebur, common sunflower, common ragweed, giant ragweed, pigweed, and velvetleaf.

This product may be tank mixed with Glyphosate herbicide.

Control of Horsetail (*Equisetum arvense*)

For post-emergence control of horsetail (*Equisetum arvense*), apply 2 2/3 ounces of this product per acre, or 1.8 grams of this product per 1000 square feet (0.125 pound active ingredient per acre) after horsetail has leafed out. This rate of product will control horsetail that is less than 6 inches tall and suppress horsetail that is greater than 6 inches tall.

Herbicide symptoms are likely to show within 2 weeks as a necrotic ring at the base of the plant, even though the leaves and stems remain green and a deep leathery green in color.

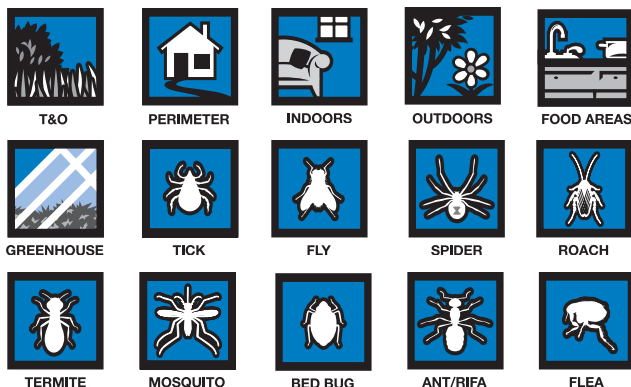
Read "NOTICE OF CONDITIONS OF SALE AND WARRANTY AND LIABILITY LIMITATIONS" in the label pamphlet for SEDGEHAMMER before using this product. Those terms apply to this supplemental labeling and, if those terms are not acceptable, return the product unopened at once.



To control pests indoors and outdoors on residential, institutional, public, commercial, and industrial buildings, **greenhouses**, food handling establishments, and lawns, ornamentals, parks, recreational areas and athletic fields.

When used as a termiticide, individuals/firms must be licensed by the state to apply termiticide products. States may have more restrictive requirements regarding qualifications of persons using this product. Consult the pest control regulatory agency of your state prior to use of this product.

Provides up to 1 month residual control of house flies
Kills fleas for up to 3 months



EPA Reg. No. 279-3206

Active Ingredient:

Bifenthrin* 7.9%

Inert Ingredients: 92.1%
100.0%

EPA Est. 279-NY-1

By Wt.

TalstarOne contains $\frac{2}{3}$ pound active ingredient per gallon.

*Cis isomers 97% minimum, trans isomers 3% maximum.
U.S. Patent No. 4,238,505



FMC Corporation
Agricultural Products Group
Philadelphia PA 19103

Net Contents

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID	
If swallowed	<ul style="list-style-type: none"> • Call 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.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
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.
HOTLINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-(800)-331-3148 for Emergency Assistance.	
NOTE TO PHYSICIAN	
This product is a pyrethroid. If large amounts have been ingested, the stomach and intestine should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils, or alcohol may increase absorption and so should be avoided.	
For Information Regarding the Use of this Product Call 1-800-321-1FMC (1362).	

PRECAUTIONARY STATEMENTS Hazards to Humans (and Domestic Animals) CAUTION

Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove contaminated clothing and wash before reuse.

All pesticide handlers (mixers, loaders and applicators) must wear long-sleeved shirt and long pants, socks, shoes and chemical-resistant gloves. After the product is diluted in accordance with label directions for use, and/or when mixing and loading using a closed spray tank transfer system (such as U-Turn®), or an in-line injector system, shirt, pants, socks, shoes and waterproof gloves are sufficient. In addition, all pesticide handlers must wear a respiratory protection device¹ when working in a non-ventilated space. All pesticide handlers must wear protective eyewear when working in non-ventilated space.

¹Use one of the following NIOSH approved respirator with any R, P or HE filter

or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P or HE prefilter.

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

User Safety Recommendations:

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards

This pesticide is extremely toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and run-off from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters. Care should be used when spraying to avoid fish and reptile pets in/around ornamental ponds.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow to drift to blooming crops if bees are visiting the treatment area.

Physical and Chemical Hazards

Do not apply water-based dilutions of TalstarOne® Multi-Insecticide to electrical conduits, motor housings, junction boxes, switch boxes or other electrical equipment because of possible shock hazard.

Index

Applications:	
Above ground termite control	9
Ant control	4
Ant and Fire Ant Mounds	4
Carpenter Ants Indoors	4
Carpenter Ants Outdoors	4
Nuisance Ants Indoors	4
Nuisance Ants Outdoors	4
Food/Feed handling establishments	5
Greenhouses and interiorscapes	10
Indoor	5
Ants	5
Bedbugs	5
Bees and wasps	5
Boxelder bugs, centipedes, earwigs, beetles, millipedes, pillbugs, sowbugs	5
Cockroaches, crickets, firebrats, house flies, scorpions, silverfish, spiders, ticks	5
Fleas	5
Lawns	9
Mosquito control	5
Ornamentals and trees	10
Outside surfaces and around buildings	4
Under Slabs	4
Wood Infesting Insects and Nuisance Pests	4
Specific pest control applications:	
Crawlspaces	6
Posts, poles, and other construction	6
Underground services	6
Wood-in-place to control wood infesting insects	6
Subterranean termite control	6
Structures with wells/cisterns inside foundations	6
Subterranean termite control, pre-construction	7
Horizontal barriers	7
Vertical barriers	7
Subterranean termite control, post-construction	8
Accessible crawl spaces	8
Application with termite baits	9
Basements	8
Foam applications	8
Foundations	8
Inaccessible crawl spaces	8
Masonry voids	8
Sand barrier Installation and Treatment	9
Slabs	8
Dilution chart	3
Environmental hazards	2
First Aid	1
General application instructions	3
Ingredients	1
Physical and chemical hazards	2
Precautionary statements- human and animal hazards	1
Resistance management	3
Storage and disposal	3
Use Precautions	11
Warranty	11

DIRECTIONS FOR USE

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

Do not apply a broadcast application to interior surfaces of homes.

Do not apply by air.

Do not apply in nurseries.

Do not apply this product through any kind of irrigation system.

Not for use on sod farm turf, golf course turf, or grass grown for seed.

AGRICULTURE 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 intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as, plants, soil, or water is:

• Coveralls

• Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or neoprene rubber or polyvinyl chloride or viton.

• Shoes plus socks

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

*These requirements apply only to the greenhouse uses on this label

NON-AGRICULTURAL USE REQUIREMENTS**

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standards for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries and greenhouses.

Do not allow people or pets on treated surfaces until the spray has dried.

**These requirements apply to all other non-greenhouse uses on this label

Use Directions for Tip-N-Measure Container

1. Remove the measuring chamber cap and induction seal. Replace the cap and securely tighten. Tip container until liquid fills measuring chamber.
2. Return container to level position. No adjustment is needed.
3. Remove measuring chamber cap and dispense into proper application equipment.

For multiple dose measuring: Remove fill chamber cap and dispense according to markings on side of bottle.

Use Directions for Squeeze-N-Measure Container

1. Remove the measuring chamber cap and induction seal.
2. Replace cap loosely on measuring chamber to allow venting.
3. Squeeze container gently until liquid fills measuring chamber.
4. Remove measuring chamber cap and dispense into proper application equipment.
5. Replace cap onto measuring chamber and **Securely Tighten**.

STORAGE AND DISPOSAL

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

Pesticide Storage: Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use replace lids and close tightly. Do not put concentrate or dilute material into food or drink container.

In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. Call FMC: (800) 331-3148.

To Confine Spill: If liquid, dike surrounding area or absorb with sand, cat litter or commercial clay. If dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

Pesticide Disposal: Pesticide wastes are toxic. Do not contaminate water, food or feed by storage or disposal. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. Dispose of excess or waste pesticide by use according to label directions, or contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal:

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

Returnable/Refillable Sealed Container: Do not rinse container. Do not empty remaining formulated product. Do not break seals. Return intact to point of purchase.

General Information on the Use of this Product

TalstarOne® Multi-Insecticide controls a wide spectrum of insects and mites on trees, shrubs, foliage plants, non-bearing fruit and nut trees, and flowers in **greenhouses**, interiorscapes including hotels, shopping malls, office buildings, etc., and outdoor plantscapes, such as around residential dwellings, parks, institutional buildings, recreational areas, athletic fields and home lawns. Non-bearing crops are perennial crops that will not produce a harvestable raw agricultural commodity during the season of application. **TalstarOne may also be used in feed and food handling establishments, and in/around/under structures.**

Resistance: Some insects are known to develop resistance to products used repeatedly for control. Because the development of resistance cannot be predicted, the use of this product should conform to resistance management strategies established for the use area. Consult your local or state pest management authorities for details.

If resistance to this product develops in your area, this product, or other products with a similar mode of action, may not provide adequate control. If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect may be present. If you experience difficulty with control and suspect that resistance is a reasonable cause, immediately consult your local company representative or pest management advisor for the best alternative method of control for your area.

TalstarOne Dilution Chart

			Fluid Ounces of TalstarOne Diluted to these Volumes of Finished Spray			
Applic. Volume:		Applic. Rate:	1 Gallon	5 Gallons	10 Gallons	100 Gallons
% a.i.	Gal/ 1000 sq. ft.	Fl. oz./ 1000 sq. ft.	fl. oz.	fl. oz.	fl. oz.	fl. oz.
0.008	1.0	0.125	0.125	0.63	1.25	12.5
0.011	1.0	0.18	0.18	0.90	1.8	18.0
0.015	1.0	0.25	0.25	1.25	2.5	25.0
0.020	1.0	0.33	0.33	1.67	3.33	33.3
0.031	1.0	0.5	0.5	2.5	5.0	50.0
0.041	1.0	0.67	0.67	3.33	6.67	66.7
0.046	1.0	0.75	0.75	3.75	7.5	75.0
0.062	1.0	1.0	1.0	5.0	10.0	100.0
0.004	2.0	0.125	-	0.31	0.63	6.3
0.006	2.0	0.18	-	0.45	0.90	9.0
0.008	2.0	0.25	0.13	0.63	1.25	12.5
0.010	2.0	0.33	0.17	0.83	1.65	16.5
0.015	2.0	0.5	0.25	1.25	2.5	25.0
0.021	2.0	0.67	0.33	1.67	3.35	33.5
0.023	2.0	0.75	0.38	1.88	3.75	37.5
0.031	2.0	1.0	0.5	2.5	5.0	50.0
0.003	3.0	0.125	-	0.21	0.42	4.2
0.004	3.0	0.18	-	0.30	0.60	6.0
0.005	3.0	0.25	-	0.42	0.83	8.3
0.007	3.0	0.33	0.11	0.55	1.10	11.0
0.010	3.0	0.5	0.17	0.83	1.67	16.7
0.014	3.0	0.67	0.22	1.11	2.23	22.3
0.015	3.0	0.75	0.25	1.25	2.5	25.0
0.021	3.0	1.0	0.33	1.67	3.33	33.3
0.002	4.0	0.125	-	0.16	0.31	3.1
0.003	4.0	0.18	-	0.23	0.45	4.5
0.004	4.0	0.25	-	0.31	0.63	6.3
0.005	4.0	0.33	-	0.41	0.83	8.3
0.008	4.0	0.5	0.13	0.63	1.25	12.5
0.010	4.0	0.67	0.17	0.84	1.67	16.7
0.012	4.0	0.75	0.19	0.94	1.88	18.8
0.015	4.0	1.0	0.25	1.25	2.5	25.0
0.002	5.0	0.125	-	0.13	0.25	2.5
0.002	5.0	0.18	-	0.18	0.36	3.6
0.003	5.0	0.25	-	0.25	0.5	5.0
0.004	5.0	0.33	-	0.33	0.67	6.7
0.006	5.0	0.5	0.1	0.5	1.0	10.0
0.008	5.0	0.67	0.13	0.67	1.33	13.3
0.009	5.0	0.75	0.15	0.75	1.5	15.0
0.012	5.0	1.0	0.2	1.0	2.0	20.0
0.001	10.0	0.125	-	-	0.13	1.3
0.001	10.0	0.18	-	-	0.18	1.8
0.002	10.0	0.25	-	0.13	0.25	2.5
0.002	10.0	0.33	-	0.17	0.33	3.3
0.003	10.0	0.5	-	0.25	0.5	5.0
0.004	10.0	0.67	-	0.33	0.67	6.7
0.005	10.0	0.75	-	0.38	0.75	7.5
0.006	10.0	1.0	0.1	0.5	1.0	10.0

1 fluid oz. = 29.57 ml = 2 tablespoons = 6 teaspoons

Do not use household utensils to measure TalstarOne.

General Application Instructions

TalstarOne formulation mixes readily with water and other aqueous carriers.

TalstarOne may be tank-mixed with adjuvants, and with other pesticides, including insect growth regulators. When tank mixing TalstarOne with other pesticides, observe all precautions and limitations on each separate product label. The physical compatibility of TalstarOne may vary with different sources of pesticide products, and local cultural practices. Any tank mixture which has not been previously tested should be prepared on a small scale (pint or quart jar), using the proper proportions of pesticides and water to ensure the physical compatibility of the mixture.

The following procedure is recommended for preparation of a new tank mix, unless specified otherwise in label directions: (1) Add wettable powders to tank water, (2) Agitate, (3) Add liquids and flowables, (4) Agitate, (5) Add emulsifiable concentrates, and (6) Agitate. If a mixture is found to be incompatible following this order of addition, try reversing the order of addition, or increase the volume of water. Note: If the tank-mixture is found to be compatible after increasing the amount of water, then the sprayer will need to be recalibrated for a higher volume application. Do not allow tank mix to stand overnight.

Formula for Determining the Active Ingredient Content of the Finished Spray Mixture: The following formula may be used to determine the percent active ingredient that is in the spray tank after mixing TalstarOne® Multi-Insecticide:

$$\frac{(7.9)(\text{Fl. Oz. of TalstarOne added to tank})}{(\text{Gallons of finished spray mix})(128)} = \text{Percent Active Ingredient of spray mix}$$

APPLICATION RECOMENDATIONS

ANT CONTROL

Nuisance Ants Indoors: For best results, locate and treat ant nests. Dilute 0.5 to 1.0 fluid oz. of TalstarOne per gallon of water and apply at the rate of one gallon of dilution per 1,000 square feet as a general surface, crack and crevice or spot treatment to areas where ants have been observed or are expected to forage. These areas include, but are not limited to, baseboards, in and behind cabinets, under and behind dishwashers, furnaces, refrigerators, sinks and stoves, around pipes, cracks and crevices and in corners. Particular attention should be given to treating entry points into the home or premises such as around doors and windows. When using TalstarOne in combination with baits, apply TalstarOne as instructed above, and use baits in other areas that have not been treated with TalstarOne.

Nuisance Ants Outdoors: For best results, locate and treat ant nests. Apply TalstarOne to ant trails around doors and windows and other places where ants have been observed or are expected to forage. Apply a perimeter treatment using either low or high volume applications described in the "Pest Control on Outside Surfaces and Around Buildings" section of this label. The higher dilutions and/or application volumes, as well as more frequent applications, may be necessary when treating concrete surfaces for ant control. Maximum control is generally achieved using the following procedure:

- 1) Treat non-porous surfaces with low volume applications using 0.5 to 1.0 fluid oz. of TalstarOne per gallon of water and applying this dilution at the rate of one gallon per 1,000 square feet.
- 2) Treat porous surfaces and vegetation with high volume applications using dilutions that are calculated to deliver 0.5 to 1.0 fluid oz. of TalstarOne per 1,000 square feet (refer to the TalstarOne Dilution Chart).
- 3) For maximum residual control, dilute 0.5 to 1.0 fluid oz. of TalstarOne per gallon of water and apply at a rate of up to 10 gallons of dilution per 1,000 square feet.

Carpenter Ants Indoors: Dilute 0.5 to 1.0 fluid oz. of TalstarOne per gallon of water and apply at the rate of one gallon of dilution per 1,000 square feet as a general surface, crack and crevice or spot treatment to areas where carpenter ants have been observed or are expected to forage. These areas include, but are not limited to, baseboards, in and behind cabinets, under and behind dishwashers, furnaces, refrigerators, sinks, and stoves, around pipes, cracks and crevices and in corners. Particular attention should be given to treating entry points into the home or premises such as around doors and windows. Spray or foam into cracks and crevices or drill holes and spray, mist or foam into voids where carpenter ants or their nests are present. When using TalstarOne in combination with baits, apply TalstarOne as instructed above, and use baits in other areas that have not been treated with TalstarOne.

Carpenter Ants Outdoors: Apply TalstarOne to carpenter ant trails around doors and windows and other places where carpenter ants have been observed or are expected to forage. For best results, locate and treat carpenter ant nests. Apply a perimeter treatment using either low or high volume applications described in the "Pest Control on Outside Surfaces and Around Buildings" section of this label. The higher dilutions and/or application volumes, as well as more frequent applications, may be necessary when treating concrete surfaces for carpenter ant control. Maximum control is generally achieved using the following procedure:

- 1) Treat non-porous surfaces with low volume applications using 0.5 to 1.0 fluid oz. of TalstarOne per gallon of water and applying this dilution at the rate of one gallon per 1,000 square feet
- 2) Treat the trunks of trees that have carpenter ant trails, or upon which carpenter ants are foraging, using 0.5 to 1.0 fluid oz. of TalstarOne per gallon of water and applying this dilution to thoroughly wet the bark from the base of the tree to as high as possible on the trunk
- 3) Treat porous surfaces and vegetation with high volume applications using dilutions that are calculated to deliver 0.5 to 1.0 fluid oz. of TalstarOne per 1,000 square feet (TalstarOne Dilution Chart)
- 4) For maximum residual control, dilute 0.5 to 1.0 fluid oz. of TalstarOne per gallon of water and apply at a rate of up to 10 gallons of dilution per 1,000 square feet.

To control carpenter ants inside trees, utility poles, fencing or deck materials and similar structural members, drill to locate the interior infested cavity and inject or foam a 0.06% dilution (1.0 fluid oz. of TalstarOne per gallon of water) into the cavity using a sufficient volume and an appropriate treatment tool with a splashback guard.

To control carpenter ants that are tunneling in the soil, dilute 0.5 to 1.0 fluid ounces of TalstarOne per gallon of water and apply as a drench or inject the dilution or foam at intervals of 8 to 12 inches. Establish a uniform vertical barrier at the edges of walls, driveways or other hard surfaces where ants are tunneling beneath the surfaces.

To protect firewood from carpenter ants (and termites), dilute 1.0 fluid oz. of TalstarOne per gallon of water and apply to the soil beneath where the firewood will be stacked at the rate of one gallon of dilution per 8 square feet.

For wood piles and stored lumber apply a 0.06% suspension. Use a hose-end sprayer or sprinkling can to deliver a coarse drenching spray. Treated wood can be burned as firewood or used for lumber one month after treatment. Do not use in structures.

For Ant and Fire Ant Mounds use TalstarOne 0.06% suspension as Drench Method: Apply 1-2 gallons of suspension to each mound area by sprinkling the mound until it is wet and treat a 4 foot diameter circle around the mound. Use the higher volume for mounds larger than 12". For best results, apply in cool weather, such as in early morning or late evening hours, but not in the heat of the day.

Pest Control on Outside Surfaces and Around Buildings

TalstarOne will provide up to 1 month residual control of house flies. Length of residual control is dependant upon rate and surface treated.

For control of Ants, Carpenter Ants, Fire Ants, Armyworms, Lady Beetle, Bees, Beetles[†], Biting Flies, Boxelder Bugs, Centipedes, Chiggers, Chinch Bugs, Cicadas, Clover Mites, Crickets, Cutworms, Dichondra Flea Beetles, Earwigs, Elm Leaf Beetles, Firebrats, Fleas, Flies, Gnats, Grasshoppers, Hornets, Japanese Beetles[†], Midges, Millipedes, Mosquitoes, Moths, Roaches (including Cockroaches), Scorpions, Silverfish, Sod Webworms, Sowbugs (Pillbugs), Spider Mites, Spiders (including Black Widow, Brown Recluse and Hobo Spiders), Springtails, Ticks (including Brown Dog Ticks), and Wasps.

[†]Not for use in California.

Apply TalstarOne using a 0.02 to 0.06% suspension as a residual spray to outside surfaces of buildings including, but not limited to, exterior siding, foundations, porches, window frames, eaves, patios, garages, refuse dumps, lawns such as grass areas adjacent or around private homes, duplexes, townhouses, condominiums, house trailers, apartment complexes, carports, garages, fence lines, storage sheds, barns, and other residential and non-commercial structures, soil, trunks of woody ornamentals and other areas where pests congregate or have been seen. Use a spray volume of up to 10 gallons of suspension per 1,000 square feet. Higher application volumes may be used to obtain the desired coverage of dense vegetation or landscaping materials.

Mixing Directions: For 0.02% suspension, mix 0.33 fluid oz. of TalstarOne per gallon of water. For 0.06% suspension, mix 1 fluid oz. of TalstarOne per gallon of water (1 fluid oz. = 2 tablespoons). Do not use household utensils to measure TalstarOne. Use the higher rate for heavy pest infestation, quicker knockdown or longer residual control. Retreatment may be necessary to achieve and/or maintain control during periods of high pest pressure. Repeat application is necessary only if there are signs of renewed insect activity. Repeat application should be limited to no more than once per seven days.

Perimeter Treatment: Apply to a band of soil and vegetation 6 to 10 feet wide around and adjacent to the structure. Also, treat the foundation of the structure to a height of 2 to 3 feet. Apply 0.33 to 1.0 fluid oz. of TalstarOne per 1,000 square feet in sufficient water to provide adequate coverage (refer to TalstarOne Dilution Chart).

Broadcast Treatment of Wood for the Control of Wood-infesting Insects and Nuisance Pests Outside of Structure

Apply a 0.06% suspension with a fan spray using a maximum pressure of 25 psi. **Treatment should be made to thoroughly and uniformly cover the surface but limit excess runoff.**

To control wood-infesting insects active inside trees, utility poles and/or fence posts, drill to find the interior infested cavity and inject a 0.06% suspension. To control Bees, Wasps, Hornets, and Yellow-Jackets, apply in late evening when insects are at rest. Aim spray at nest openings in ground, bushes and in cracks and crevices which may harbor nests, saturating nest openings and contacting as many insects as possible.

Pests Under Slabs

Infestations of Arthropods, such as Ants, Cockroaches and Scorpions inhabiting under slab area may be controlled by drilling and injecting or horizontal rodding and then injecting 1 gallon of a 0.06% to 0.12% suspension per 10 square feet or 2 gallons of suspension per 10 linear feet.

MOSQUITO CONTROL

To control adult mosquitoes outdoors on residential, institutional, public, commercial and industrial buildings, and lawns, ornamentals, parks, recreational areas and athletic fields.

Apply TalstarOne® Multi-Insecticide for mosquito control at an application rate of 0.33 to 1.0 fluid oz. TalstarOne per gallon of water (0.07 to 0.22 lbs bifenthrin/acre), and apply at the rate of one gallon of dilution per 1,000 square feet as a general spray (refer to the TalstarOne Dilution Chart). Use the high rate for residual control of mosquitoes. Use this product for control of urban mosquitoes that may potentially transmit malaria, dog heartworm, and arboviruses such as, but not limited to, West Nile fever, dengue fever, Eastern equine encephalitis, and St. Louis encephalitis.

Apply as a residual spray to outside surfaces of buildings including but not limited to, exterior siding, foundations, porches, window frames, eaves, patios, garages, refuse dumps, lawns such as grass areas adjacent to or around private homes, duplexes, townhouses, condominiums, house trailers, apartment complexes, carports, fence lines, storage sheds, barns, and other commercial, residential and non commercial structures, soil, trunk of woody ornamentals, trees, shrubs, ground cover, bedding plants, foliage plants, flowers, non-bearing fruit and nut trees urban areas, parks, campsites, athletic fields, playgrounds, recreational and overgrown waste areas, roadsides and other areas where mosquitoes are found. May also be applied to non-bearing crops or perennial crops that will not produce harvestable raw agricultural commodities during the season of application.

Use the high rate for heavy pest infestation, quicker knockdown, or longer residual control. Retreatment may be necessary to achieve and/or maintain control during periods of high pest pressure, or if there are signs of renewed insect activity. For the lower use rates, repeat application should be limited to no more than once per seven days. For the high use rate of 1.0 fluid oz. TalstarOne per gallon of water, do not apply more than once per four weeks.

Apply with hand-held and back pack sprayers or mist blowers, ground sprayers, power sprayers, truck mounted hydraulic sprayers or mist blowers. Do not apply by air or with hand held or truck mounted cold aerosol ULV sprayers and thermal fogging devices. For best results apply when the mosquitoes are most active. Application during the cooler hours of the night or early mornings is recommended.

Do not apply more than 1.0 fluid oz. of TalstarOne per 1,000 square feet (equivalent to 0.22 lbs. bifenthrin/acre) per application

Do not apply when wind speed exceeds 10 MPH.

INDOOR USE

In the home, all food processing surfaces and utensils should be covered during treatment or thoroughly washed before use. Exposed food should be covered or removed.

Use a 0.02% to 0.06% suspension (0.33 to 1 fluid oz. per gallon of water) for residual pest control in buildings and structures and on modes of transport. Apply either as a crack and crevice, pinstream, spot, coarse, low pressure spray (25 psi or less) or with a paint brush.

Apply as a coarse, low pressure, crack and crevice or spot spray to areas where pests hide, such as baseboards, corners, storage areas, closets, around water pipes, doors and windows, attics and eaves, behind and under refrigerators, cabinets, sinks, furnaces, stoves, the underside of shelves, drawers and similar areas. Do not use as a space spray. Pay particular attention to cracks and crevices.

Mixing Directions: See mixing directions in "Pest Control on Outside Surfaces and Around Buildings" section.

TalstarOne is to be diluted with water for spray or brush application. Fill sprayer with the desired volume of water and add TalstarOne. Close and shake before use in order to insure proper mixing. Mix only the amount of solution needed for the application. Retreatment may be necessary to achieve and/or maintain control during periods of high pest pressure. Repeat application is necessary only if there are signs of renewed insect activity. Repeat application should be limited to no more than once per seven days.

TalstarOne may be converted to a foam and used to treat void spaces, floor drains (to sewers) or as a spot spray on vertical or horizontal surfaces where visual marking of application is desired. Use of a foaming agent increases a.i. surface contact time on challenging surfaces and provides visual marking of the application.

Bedbugs: To Aid in Control - Thorough application should be made to crack and crevices where evidence of bed bugs occurs. This includes bed frames, box springs, inside empty dressers and clothes closets and carpet edges, high and low wall moldings and wallpaper edges. Do not use this product on bed linens, pillows, mattresses or clothes. Remove all clothes and other articles from dressers or clothes closets before application. Allow all treated areas to thoroughly dry before use. Not recommended for use as sole protection against bedbugs. If evidence of bedbugs is found in/on mattresses, use products approved for this use.

Use a 0.02% to 0.06% suspension (0.33 to 1 fluid oz. per gallon of water) for residual pest control in buildings and structures and on modes of transport. Apply either as a crack and crevice, pinstream, spot, coarse, low pressure spray (25 psi or less) or with a paint brush.

Cockroaches, Crickets, Firebrats, House Flies, Scorpions, Silverfish, Spiders, and Ticks

TalstarOne will provide up to 1 month residual control of house flies. Length of residual control is dependant upon rate and surface treated.

Apply as a coarse, low pressure spray to areas where these pests hide, such as baseboards, corners, storage areas, closets, around water pipes, doors and windows, attics and eaves, behind and under refrigerators, cabinets, sinks, furnaces, and stoves, the underside of shelves, drawers and similar areas. Pay particular attention to cracks and crevices.

Ants: Apply to any trails, around doors and windows and other places where ants may be found.

Fleas:

TalstarOne will kill fleas for up to 3 months

Apply as a coarse, low pressure spot or crack and crevice treatment to areas frequented by pets, such as under bedding, rugs, next to furniture. Do not apply TalstarOne suspension directly to pets. Treatment should be dry before pet re-entry. Vacuum prior to treatment.

Boxelder Bugs, Centipedes, Earwigs, Beetles, Millipedes, Pillbugs, and Sowbugs: Apply around doors and windows and other places where these pests may be found or where they may enter premises. Spray baseboards, storage areas and other locations.

Bees and Wasps

To control Bees, Wasp, Hornets, and Yellow-Jackets apply a 0.06% suspension. Application should be made in the late evening when insects are at rest. Thoroughly spray nest and entrance and surrounding areas where insects alight. Spray liberally into hiding and breeding places, especially under attic rafters, contacting as many insects as possible. Retreatment may be necessary to achieve and/or maintain control during periods of high pest pressure. Repeat application is necessary only if there are signs of renewed insect activity.

Important: Do not apply suspension until location of heat pipes, ducts, water and sewer lines and electrical conduits are known and identified. Caution must be taken to avoid puncturing and injection into these structural elements. Do not apply into electrical fixtures, switches, or sockets.

In the home, all food processing surfaces and utensils in the treatment area should be covered during treatment or thoroughly washed before re-use. Remove pets, birds, and cover aquariums before spraying. Do not permit humans or pets to contact treated surfaces until the spray has dried.

During any overhead applications to overhead interior areas of structures, cover surfaces below with plastic sheeting or similar materials.

Wear protective clothing, unvented goggles, gloves and respirator, when applying to overhead areas or in poorly ventilated areas. Avoid touching sprayed surfaces until spray has completely dried.

FOR CONTROL OF STORED PRODUCTS PESTS

(Including Indian Meal Moths, Rice Moths, Tobacco Moths, Flour Beetles, Lesser Grain Borers, Merchant Grain Beetles, Sawtoothed Grain Beetles, Grain Weevils, Warehouse Beetles, Cigarette Beetles, and Dermestid Beetles, Psocids, and other similar pests)

WAREHOUSES and GROCERY/PET STORES: TalstarOne suspension may be applied as a general surface, spot or crack and crevice treatment in food and nonfood storage warehouses and stores. Apply to all areas that may harbor pests, including under and between pallets, bins, and shelves. Do not apply directly to food, grain bins (interior), or animals.

FOOD/FEED HANDLING ESTABLISHMENT APPLICATIONS

Applications of this product are permitted in both food/feed and non-food areas of food/feed handling establishments as a general surface, spot, or crack and crevice treatment.

Food/feed handling establishments are defined as places other than private residences in which exposed food/feed is held, processed, prepared or served. Included also are areas for receiving, storing, packing (canning, bottling, wrapping, boxing), preparing, edible waste storage and enclosed processing systems (mills, dairies, edible oils, syrups) of food. Serving areas where food is exposed and the facility is in operation are also considered food areas.

Permitted non-food areas of use include, garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, garages, mop closets and storage (after canning or bottling).

Permitted use sites include, but are not limited to: Aircraft (Do not use in aircraft cabins), apartment buildings, bakeries, bottling facilities, breweries, buses, cafeterias, candy plants, canneries, dairy product processing plants, food manufacturing plants, food processing plants, food service establishments, granaries, grain mills, hospitals, hotels, industrial buildings, laboratories, meat/poultry/egg processing plants, mobile/motor homes, nursing homes offices, railcars, restaurants, schools, ships, trailers, trucks, vessels, warehouses and wineries.

General Surface Application: Do not use this application method in food/feed handling establishments when the facility is in operation or foods/feeds are exposed. Do not apply directly to food products. Cover or remove all food processing and/or handling equipment during application. After application in food processing plants, bakeries, cafeterias and similar facilities, wash all equipment, benches, shelving and other surfaces which food will contact. Clean food handling or processing equipment and thoroughly rinse with clean, fresh water.

Spot, Crack and Crevice Application: Spot or crack and crevice applications may be made while the facility is in operation; however, food should be covered or removed from area being treated. Do not apply directly to food.

Foam Applications

TalstarOne® Multi-Insecticide may be converted to a foam and used to treat void spaces, floor drains (to sewers) or as a spot spray on vertical or horizontal surfaces where visual marking of application is desired. Use of a foaming agent increases a.i. surface contact time on challenging surfaces and provides visual marking of the application. Ensure that the foaming agent is approved for food surface/area contact use.

Specific Pest Control Applications

Underground Services such as: wires, cables, utility lines, pipes, conduits, etc. Services may be within structures or located outside structures, in right-of-ways or to protect long range (miles) of installations of services.

Soil treatment may be made using 0.06 to 0.12% TalstarOne **suspension** to prevent attack by Termites and Ants.

Apply 2 gallons of **suspension** per 10 linear feet to the bottom of the trench and allow to soak into the soil. Lay services on the treated soil and cover with approximately 2 inches of fill soil. Apply another 2 gallons per 10 linear feet over the soil surface to complete the treatment barrier. In wide trenches, only treat the soil in the area near the services. It is important to establish a continuous barrier of treated soil surrounding the services.

Where soil will not accept the above labeled volume, 1 gallon of 0.12% TalstarOne may be used per 10 linear feet of trench both to the bottom of the trench and over the soil on top of the services.

Finish filling the trench with treated fill soil. The soil where each service protrudes from the ground may be treated by trenching/rodding of no more than 1 to 2 gallons of **suspension** into the soil.

Precautions:

Do not treat electrically active underground services.

Posts, Poles, and Other Constructions

Create an insecticidal barrier in the soil around wooden constructions such as signs, fences and landscape ornamentation by applying a 0.06% **suspension**.

Previously installed poles and posts may be treated by sub-surface injection or treated by gravity-flow through holes made from the bottom of a trench around the pole or post. Treat on all sides to create a continuous insecticidal barrier around the pole. Use 1 gallon of **suspension** per foot of depth for poles and posts less than six inches in diameter. For larger poles, use 1.5 gallons of **suspension** per foot of depth. Apply to a depth of 6 inches below the bottom of the wood. For larger constructions, use 4 gallons per 10 linear feet per foot of depth.

Treatment of Wood-in-Place for Control of Wood-Infesting Insects: (Localized Areas in Structure) For the control of insects such as Termites, Ants, Carpenter Ants, and wood-infesting beetles such as Old House Borer and Powder Post in localized areas of infested wood in and around structures, apply a 0.06% **suspension** to voids and galleries in damaged wood and in spaces between wooden members of a structure and between wood and foundations where wood is vulnerable. Paint on or fan spray applications may also be used. Plastic sheeting must be placed immediately below overhead areas that are spot treated except for soil surfaces in crawl spaces. Application may be made to inaccessible areas by drilling, and then injecting **suspension** with a crack and crevice injector into the damaged wood or void spaces. This type of application is not intended to be a substitute for soil treatment, mechanical alteration or fumigation to control extensive infestation of wood-infesting insects.

Termite carton nests in trees or building voids may be injected with 0.06% **suspension**. Multiple injection points to varying depths may be necessary. It is desirable to physically remove carton nest material from building voids when such nests are found.

Pest Control in Crawlspace and Voids: Broadcast TalstarOne at 0.02% to 0.06% to all surfaces in crawlspace and/or void to control ants, fleas, roaches, scorpions, or other arthropods. This treatment is not intended as a substitute for termite control. Treatment should be made to thoroughly and uniformly cover the surface but limit excess runoff. Keep children and pets off surface until dry.

SUBTERRANEAN TERMITE CONTROL

Directions For Use

All pesticide handlers (mixers, loaders and applicators) must wear long-sleeved shirt and long pants, socks, shoes and chemical-resistant gloves. After the product is diluted in accordance with label directions for use, and/or when mixing and loading using a closed spray tank transfer system (such as U-Turn®), or an in-line injector system, shirt, pants, socks, shoes and waterproof gloves are sufficient. In addition, all pesticide handlers must wear a respiratory protection device¹ when working in a non-ventilated space. All pesticide handlers must wear protective eyewear when working in non-ventilated space or when applying termiticide by rodding or sub-slab injection.

¹Use one of the following NIOSH approved respirator with any R, P or HE filter

or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P or HE prefilter.

When treating adjacent to an existing structure, the applicator must check the area to be treated, and immediately adjacent areas of the structure, for visible and accessible cracks and holes to prevent any leaks or significant exposures to persons occupying the structure. People present or residing in the structure during application must be advised to remove their pets and themselves from the structure if they see any signs of leakage. After application, the applicator is required to check for leaks. All leaks resulting in the deposition of termiticide in locations other than those prescribed on this label must be cleaned up prior to leaving the application site. Do not allow people or pets to contact contaminated areas or to reoccupy contaminated areas of the structure until the clean-up is completed

The use of this product prevents and controls Termite infestations in and around structures and constructions.

The dilute insecticidal **suspension** must be adequately dispersed in the soil to establish a barrier between the wood and the Termites in the soil. As a good practice: 1) all non-essential wood and cellulose containing materials, should be removed from around foundation walls, crawl spaces, and porches; 2) eliminate termite access to moisture by repairing faulty plumbing and/or construction grade. Soil around untreated structural wood in contact with soil should be treated as described below.

To establish an effective insecticidal barrier with this product the service technician must be familiar with current Termite control practices such as: trenching, rodding, sub-slab injection, coarse fan spraying of soil surfaces, crack and crevice (void) injection, excavated soil treatment, and brush or spray applications to infested or susceptible wood. These techniques must be correctly employed to prevent or control infestations by subterranean Termites such as: *Coptotermes*, *Heterotermes*, *Reticulitermes* and *Zootermopsis*. The biology and behavior of the species involved should be considered by the service technician in determining which control practices to use to eliminate or prevent the termite infestation.

Choice of appropriate procedures should include consideration of such variable factors as the design of the structure, location of heating, ventilation, and air conditioning (HVAC) systems, water table, soil type, soil compaction, grade conditions, and location and type of domestic water supplies and utilities.

For advice concerning current control practices with relation to specific local conditions, consult resources in structural pest control and state cooperative extension and regulatory agencies.

Important: Contamination of public and private water supplies must be avoided by following these precautions: Use anti-backflow equipment or procedures to prevent siphonage of insecticide into water supplies. Do not contaminate cisterns or wells. Do not treat soil that is water saturated or frozen or in any conditions where runoff or movement from the treatment area (site) is likely to occur. Consult state and local specifications for recommended distances of wells from treated areas, or if such regulations do not exist, refer to Federal Housing Administration Specifications (H.U.D.) for guidance.

Note: Crawl spaces are to be considered inside of the structure.

Critical Areas: Critical areas include areas where the foundation is penetrated by utility services, cracks and expansion joints, bath traps and areas where cement constructions have been poured adjacent to the foundation such as stairs, patios and slab additions.

Structures with Wells/Cisterns Inside Foundations

Structures that contain wells or cisterns within the foundation of a structure can only be treated using the following techniques:

1. Do not treat soil while it is beneath or within the foundation or along the exterior perimeter of a structure that contains a well or cistern. The treated backfill method must be used if soil is removed and treated outside/away from the foundation. The treated backfill technique is described as follows:
 - a. Trench and remove soil to be treated onto heavy plastic sheeting or similar material or into a wheelbarrow.
 - b. Treat the soil at the rate of 4 gallons of dilute **suspension** per 10 linear feet per foot of depth of the trench, or 1 gallon per 1.0 cubic feet of soil. See "Mixing Directions" section of the label. Mix thor-

oughly into the soil taking care to contain the liquid and prevent runoff or spillage.

- c. After the treated soil has absorbed the diluted **suspension**, replace the soil into the trench.
2. Treat infested and/or damaged wood in place using an injection technique such as described in the "Control of Wood Infesting Insects" section of this label.

Structures with Adjacent Wells/Cisterns and/or Other Water Bodies

Applicators must inspect all structures with nearby water sources such as wells, cisterns, surface ponds, streams, and other bodies of water and evaluate, at a minimum, the treatment recommendations listed below prior to making an application

1. Prior to treatment, if feasible, expose the water pipe(s) coming from the well to the structure, if the pipe(s) enter the structure within 3 feet of grade.
2. Prior to treatment, applicators are advised to take precautions to limit the risk of applying the termiticide into subsurface drains that could empty into any bodies of water. These precautions include evaluating whether application of the termiticide to the top of the footer may result in contamination of the subsurface drain. Factors such as depth to the drain system and soil type and degree of compaction should be taken into account in determining the depth of treatment.
3. When appropriate (i.e., on the water side of the structure), the treated backfill technique (described above) can also be used to minimize off-site movement of termiticide.

Prior to using this technique near wells or cisterns, consult state, local or federal agencies for information regarding approved treatment practices in your area.

Application Rate:

Use a 0.06% **suspension** for subterranean Termites. For other pests on the label use specific listed rates.

Mixing Directions: Mix the termiticide use dilution in the following manner: Fill tank 1/4 to 1/3 full. Start pump to begin by-pass agitation and place end of treating tool in tank to allow circulation through hose. Add appropriate amount of TalstarOne® Multi-Insecticide. Add remaining amount of water. Let pump run and allow recirculation through the hose for 2 to 3 minutes.

TalstarOne may also be mixed into full tanks of water, but requires substantial agitation to insure uniformity of the **suspension**.

To prepare a 0.06% water **suspension**, ready to use, dilute 3 quarts of TalstarOne with 99.25 gallons of water.

Mixing:

For the desired application rate, use the chart below to determine the amount of TalstarOne for a given volume of finished **suspension**:

Amount of TalstarOne (Gallons except where noted)			
Suspension Concentration	Amount of TalstarOne	Amount of Water	Desired Gallons of Finished Suspension
0.06%	1 oz	127 oz.	1
	5 oz	4.9	5
	10 oz.	9.9	10
	25 oz.	24.8	25
	1.5 qt.	49.6	50
	2.25 qt.	74.4	75
	3 qt	99.25	100
0.12%*	2 oz	126 oz.	1
	10 oz	4.9	5
	19.5 oz.	9.8	10
	1.5 qt.	24.6	25
	3 qt.	49.2	50
	4.5 qt.	73.8	75
	6 qt	98.5	100

Common units of measure:

1 pint = 16 fluid ounces (oz.)

1 quart = 2 pints = 4 cups = 32 fluid ounces (oz.)

*For Termite applications, only use this rate in conjunction with the application volume adjustments as listed in the section below or in the foam or underground service application sections.

Application Volume: To provide maximum control and protection against termite infestation apply the specified volume of the finished water suspension and active ingredient as set forth in the directions for use section of this label. If soil will not accept the labeled application volume, the volume may be reduced provided there is a corresponding increase in concentration so that the amount of active ingredient applied to the soil remains the same.

Note: Large reductions of application volume reduce the ability to obtain a continuous barrier. Variance is allowed when volume and concentration are consistent with label directed rates and a continuous barrier can still be achieved.

Where desirable for pre and post construction treatments, the volume of the 0.12% **suspension** may be reduced by 1/2 the labeled volume. See Volume Adjustment Chart below.

Note: When volume is reduced, the hole spacing for subslab injection and soil rodding may require similar adjustment to account for lower volume dispersal of the termiticide in the soil.

Volume Adjustment Chart		
Rate (% suspension)	0.06%	0.12%
Volume allowed		
Horizontal (gallons suspension /10 ft ²)	1.0 gallons	0.5 gallons
Vertical (gallons suspension /10 lin. ft.)	4.0 gallons	2.0 gallons

After Treatment: All holes in commonly occupied areas into which TalstarOne has been applied must be plugged. Plugs must be of a non-cellulose material or covered by an impervious, non-cellulose material.

Pre-Construction Subterranean Termite Treatment

Pre-Construction Treatment: Do not apply at a lower dosage and/or concentration than specified on this label for applications prior to the installation of the finished grade.

When treating foundations deeper than 4 feet, apply the termiticide as the backfill is being replaced, or if the construction contractor fails to notify the applicator to permit this, treat the foundation to a minimum depth of 4 feet after the backfill has been installed. The applicator must trench and rod into the trench or trench along the foundation walls and around pillars and other foundation elements, at the rate prescribed from grade to a minimum depth of 4 feet. When the top of the footing is exposed, the applicator must treat the soil adjacent to the footing to a depth not to exceed the bottom of the footing. However, in no case should a structure be treated below the footing.

Effective pre-construction subterranean Termite control is achieved by the establishment of vertical and/or horizontal insecticidal barriers using 0.06% **suspension** of TalstarOne. To meet Termite proofing requirements, follow the procedures in the latest edition of the Housing and Urban Development Minimum Property Standards .

Horizontal Barriers

Create a horizontal barrier wherever treated soil will be covered by a slab, such as footing trenches, slab floors, carports, and the soil beneath stairs and crawl spaces.

For a 0.06% rate apply 1 gallon of dilution per 10 square feet, or use 1 fluid ounce of TalstarOne per 10 square feet in sufficient water (no less than 1/2 gallon or more than 2 gallons) to provide thorough and continuous coverage of the area being treated.

If the fill is washed gravel or other coarse material, it is important that a sufficient amount of dilution be used to reach the soil substrate beneath the coarse fill.

Applications shall be made by a low pressure spray (less than 50 p.s.i.) using a coarse spray nozzle. If slab will not be poured the same day as treatment, cover treated soil with a water-proof barrier such as polyethylene sheeting. This is not necessary if foundation walls have been installed around the treated soil.

Vertical Barriers

Vertical barriers must be established in areas such as around the base of foundations, plumbing, utility entrances, back-filled soil against foundation walls and other critical areas.

For a 0.06% rate, apply 4 gallons of dilution per 10 linear feet per foot of depth or 4 fluid ounces of TalstarOne 10 linear feet per foot of depth from grade to top of footing in sufficient water (not less than 2 gallons or more than 8 gallons) to ensure complete coverage.

- a. When trenching and rodding into the trench, or trenching, it is important that **suspension** reaches the top of the footing. Rod holes must be spaced so as to achieve a continuous termiticide barrier, but in no case more than 12 inches apart.
- b. Care should be taken to avoid soil wash-out around the footing.
- c. Trenches need not be wider than 6 inches. **Suspension** should be mixed with the soil as it is being replaced in the trench.
- d. For a monolithic slab, an inside vertical barrier may not be required.

Hollow block voids may be treated at a rate of 2 gallons of **suspension** per 10 linear feet so that the **suspension** will reach the top of the footing.

Prior to each application, applicators must notify the general contractor, construction superintendent, or similar responsible party, of the intended termiticide application and intended sites of application and instruct the responsible person to notify construction workers and other individuals to leave the area to be treated during application and until the termiticide is absorbed into the soil.

Post Construction Subterranean Termite Treatment

Use a 0.06% **suspension** for post-construction treatment. Post-construction soil applications shall be made by injection, trenching and rodding into the trench or trenching, or coarse fan spray with pressures not exceeding 25 p.s.i. at the nozzle. Care should be taken to avoid soil wash-out around the footing.

Do not apply **suspension** until location of wells, radiant heat pipes, water and sewer lines and electrical conduits are known and identified. Caution must be taken to avoid puncturing and injection into these elements.

Foundations: For applications made after the final grade is installed, the applicator must trench and rod into the trench or trench along the foundation walls and around pillars and other foundation elements, at the rate prescribed from grade to the top of the footing. When the footing is more than four (4) feet below grade, the applicator must trench and rod into the trench or trench along the foundation walls at the rate prescribed to a minimum depth of four feet. The actual depth of treatment will vary depending on soil type, degree of compaction, and location of termite activity. When the top of the footing is exposed, the applicator must treat the soil adjacent to the footing to a depth not to exceed the bottom of the footing. However, in no case should a structure be treated below the footing.

Slabs

Vertical barriers may be established by sub-slab injection within the structure and trenching and rodding into the trench or trenching outside at the rate of 4 gallons of **suspension** per 10 linear feet per foot of depth. Special care must be taken to distribute the treatment evenly. Treatment should not extend below the bottom of the footing.

Treat along the outside of the foundation and where necessary beneath the slab on the inside of foundation walls. Treatment may also be required beneath the slab along both sides of interior footing-supported walls, one side of interior partitions and along all cracks and expansion joints. Horizontal barriers may be established where necessary by long-rodding or by grid pattern injection vertically through the slab.

- Drill holes in the slab and/or foundation to allow for the application of a continuous insecticidal barrier.
- For shallow foundations (1 foot or less) dig a narrow trench approximately 6 inches wide along the outside of the foundation walls. Do not dig below the bottom of the footing. The **suspension** should be applied to the trench and soil at 4 gallons of **suspension** per 10 linear feet per foot of depth as the soil is replaced in the trench.
- For foundations deeper than 1 foot follow rates for basement.
- Exposed soil and wood in bath traps may be treated with a 0.06% **suspension**.

Basements

Where the footing is greater than 1 foot of depth from grade to the bottom of the foundation, application must be made by trenching and rodding into the trench, or trenching at the rate of 4 gallons of **suspension** per 10 linear feet per foot of depth. When the footer is more than four feet below grade, the applicator may trench and rod into the trench, or trench along foundation walls at the rate prescribed for four feet of depth. Rod holes must be spaced to provide a continuous insecticidal barrier, but in no case more than 12 inches apart. The actual depth of treatment will vary depending on soil type, degree of compaction, and location of termite activity. However, in no case should a structure be treated below the footer. Sub-slab injection may be necessary along the inside of foundation walls, along cracks and partition walls, around pipes, conduits, piers, and along both sides of interior footing-supported walls.

Accessible Crawl Spaces: For crawl spaces, apply vertical termiticide barriers at the rate of 4 gallons of **suspension** per 10 linear feet per foot of depth from grade to the top of the footing, or if the footing is more than 4 feet below grade, to a minimum depth of 4 feet. Apply by trenching and rodding into the trench, or trenching. Treat both sides of foundation and around all piers and pipes. Where physical obstructions such as concrete walkways adjacent to foundation elements prevent trenching, treatment may be made by rodding alone. When soil type and/or conditions make trenching prohibitive, rodding may be used. When the top of the footing is exposed, the applicator must treat the soil adjacent to the footing to a depth not to exceed the bottom of the footing. Read and follow the mixing and use direction section of the label if situations are encountered where the soil will not accept the full application volume.

- Rod holes and trenches must not extend below the bottom of the footing.
- Rod holes must be spaced so as to achieve a continuous termiticide barrier but in no case more than 12 inches apart.
- Trenches must be a minimum of 6 inches deep or to the bottom of the footing, whichever is less, and need not be wider than 6 inches. When trenching in sloping (tiered) soil, the trench must be stepped to ensure adequate distribution and to prevent termiticide from running off. The **suspension** must be mixed with the soil as it is replaced in the trench.
- When treating plenums or crawl spaces, turn off the air circulation

system of the structure until application has been completed and all termiticide has been absorbed by the soil.

Inaccessible Crawl Spaces: For inaccessible interior areas, such as areas where there is insufficient clearance between floor joists and ground surfaces to allow operator access, excavate if possible, and treat according to the instructions for accessible crawl spaces. Otherwise, apply one or a combination of the following two methods.

- To establish a horizontal barrier, apply to the soil surface, 1 gallon of **suspension** per 10 square feet overall using a nozzle pressure of less than 25 p.s.i. and a coarse application nozzle (e.g., Delavan Type RD Raindrop, RD-7 or larger, or Spraying Systems Co. 8010LP TeeJet or comparable nozzle). For an area that cannot be reached with the application wand, use one or more extension rods to make the application to the soil. Do not broadcast or powerspray with higher pressures.
- To establish a horizontal barrier, drill through the foundation wall or through the floor above and treat the soil perimeter at a rate of 1 gallon of **suspension** per 10 square feet. Drill spacing must be at intervals not to exceed 16 inches. Many States have smaller intervals, so check State regulations which may apply.

When treating plenums and crawl spaces, turn off the air circulation system of the structure until application has been completed and all termiticide has been absorbed by the soil.

Masonry Voids: Drill and treat voids in multiple masonry elements of the structure extending from the structure to the soil in order to create a continuous treatment barrier in the area to be treated. Apply at the rate of 2 gallons of **suspension** per 10 linear feet of footing, using a nozzle pressure of less than 25 p.s.i. When using this treatment, access holes must be drilled below the sill plate and should be as close as possible to the footing as is practical. Treatment of voids in block or rubble foundation walls must be closely examined: Applicators must inspect areas of possible runoff as a precaution against application leakage in the treated areas. Some areas may not be treatable or may require mechanical alteration prior to treatment.

All leaks resulting in the deposition of termiticide in locations other than those prescribed on this label must be cleaned up prior to leaving the application site. Do not allow people or pets to contact contaminated areas or to reoccupy the contaminated areas of the structure until the clean-up is completed.

Note: When treating behind veneer care should be taken not to drill beyond the veneer. If concrete blocks are behind the veneer, both the blocks and the veneer must be drilled and treated at the same time.

Not for use in voids insulated with rigid foam insulation.

Excavation Technique: If treatment must be made in difficult situations, along fieldstone or rubble walls, along faulty foundation walls, and around pipes and utility lines which lead downward from the structure to a well or pond, application may be made in the following manner:

- Trench and remove soil to be treated onto heavy plastic sheeting or similar material.
- Treat the soil at the rate of 4 gallons of **suspension** per 10 linear feet per foot of depth of the trench. Mix the **suspension** thoroughly into the soil taking care to prevent liquid from running off the liner.
- After the treated soil has absorbed the liquid **suspension**, replace the soil in the trench.

Attention: When applying TalstarOne® Multi-Insecticide in a confined area, the user should wear unvented goggles and a respirator approved by NIOSH during application.

Foam Applications

TalstarOne **suspension**, from 0.06 to 0.12 % may be converted to a foam with expansion characteristics from 2 to 40 times.

Localized Application: The **suspension** may be converted to a foam and the foam used to control or prevent termite infestations.

Depending on the circumstances, foam applications may be used alone or in combination with liquid **suspension** applications. Applications may be made behind veneers, piers, chimney bases, into rubble foundations, into block voids or structural voids, under slabs, stoops, porches, or to the soil in crawlspaces, and other similar voids.

Foam and liquid application must be consistent with volume and active ingredient instructions in order to insure proper application has been made. The volume and amount of active ingredient are essential to an effective treatment. At least 75% of the labeled liquid **suspension** volume of product must be applied, with the remaining percent delivered to appropriate areas using foam application. Refer to label and use recommendations of the foam manufacturer and the foaming equipment manufacturer.

Foam applications are generally a good supplement to liquid treatments in difficult areas, but may be used alone in difficult spots.

Application Under Slabs or to Soil in Crawlspaces to Prevent or Control Termites

Application may be made using TalstarOne foam alone or in combination with liquid **suspension**. The equivalent of at least 4 gallons (4 ounces of TalstarOne concentrate) of 0.06% **suspension** per 10 linear

feet (vertical barrier), or at least 1 gallon (1 ounce of TalstarOne concentrate) of 0.06% **suspension** per 10 square feet (horizontal barrier) must be applied either as **suspension**, foam, or a combination of both. For a foam only application, apply TalstarOne concentrate in sufficient foam concentration and foam volume to deposit 4 ounces of concentrate per 10 linear feet or 1 ounce of concentrate per 10 square feet. For example, 2 gallons of 0.12% **suspension** generated as foam to cover 10 linear feet is equal to the application of 4 gallons of 0.06% **suspension** per 10 linear feet.

Sand Barrier Installation and Treatment

Termites can build mud tubes over treated surfaces as long as they have access to untreated soil and do not have to move TalstarOne® Multi-Insecticide treated soil. Fill in cracks and spaces with builder's or play box sand and treat the sand with TalstarOne. The sand should be treated as soil following the termiticide rate listed on the TalstarOne label.

Retreatment for subterranean termites can only be performed if there is clear evidence of reinfestation or disruption of the barrier due to construction, excavation, or landscaping and/or evidence of the breakdown of the termiticide barrier in the soil. These vulnerable or reinfested areas may be retreated in accordance with application techniques described in this product's labeling. The timing and type of these retreatments will vary depending on factors such as termite pressure, soil types, soil conditions and other factors which may reduce the effectiveness of the barrier.

Annual retreatment of the structure is prohibited unless there is clear evidence that reinfestation or barrier disruption has occurred.

APPLICATION IN CONJUNCTION WITH THE USE OF TERMITE BAITS

As part of the integrated pest management (IPM) program for termite control, TalstarOne may be applied to critical areas of the structure including plumbing and utility entry sites, bath traps, expansion joints, foundation cracks and areas with known or suspected infestations at a rate of 0.06% as a spot treatment or complete barrier treatment. Applications may be made as described in the Postconstruction treatment section of this label.

TERMITE CONTROL (ABOVE GROUND ONLY)

The purpose of the applications described below are to kill termite workers or winged reproductives that may be present at the time of treatment. These applications are intended as supplements to, and not substitutes for, mechanical alteration, soil treatment or foundation treatment.

To control exposed workers and winged reproductive termites in localized areas, dilute 1.0 fluid oz. of TalstarOne per gallon of water and apply as a coarse fan spray at the rate of one gallon per 1,000 square feet to attics, crawl spaces, unfinished basements and other void areas. Treat swarming termites as well as the areas in which they congregate.

To control above-ground termites in localized areas of infested wood, dilute 1.0 fluid oz. of TalstarOne per gallon of water and apply as a liquid or foam to voids and galleries in damaged wood as well as to spaces between wooden structural members and between the sill plate and foundation where wood is vulnerable to attack. Applications may be made to inaccessible areas by drilling and then injecting the dilution or foam, with a suitable directional injector, into damaged wood or wall voids. All treatment holes drilled in construction elements in commonly occupied areas of structures should be securely plugged after treatment.

To control termite carton nests in building voids, dilute 1.0 fluid oz. of TalstarOne per gallon of water and apply as a liquid or foam using a pointed injection tool. Multiple injection points and varying depths of injection may be necessary to achieve control. When possible, the carton nest material should be removed from the building void after treatment.

LAWN

Apply TalstarOne as a broadcast treatment. Use application volumes of up to 10 gallons per 1000 square feet to get uniform coverage when treating dense grass foliage.

For low volume applications, less than 2 gallons/1000 square feet, immediate irrigation of treated area with at least 0.25 inches of water following application to ensure efficacy of sub-surface pests such as, but not limited to, Mole Crickets, is recommended.

LAWN APPLICATION RATES

The application rates listed in the following table will provide excellent control of the respective pests under typical conditions. However, at the discretion of the applicator, TalstarOne may be applied at up to 1 fl. oz. per 1000 square feet to control each of the pests listed in this Table. The higher application rates should be used when maximum residual control is desired **or heavy pest populations occur**.

Pest	Application Rate TalstarOne
Armyworms ¹ Cutworms ¹ Sod Webworm ¹	0.18 - 0.25 fluid oz. per 1000 sq. ft.
Annual Bluegrass Weevil (Hyperodes) (Adult) ² Banks Grass Mite ⁶ Billbugs (Adult) ³ Black Turfgrass Ataenius (Adult) ⁴ Centipedes Crickets Earwigs Fleas (Adult) Grasshoppers Leafhoppers Mealybugs Millipedes Mites ⁵ Pillbugs Sowbugs	0.25 - 0.5 fluid oz. per 1000 sq. ft.
Crane Flies ¹²	0.5 fluid oz. per 1000 sq. ft.
Ants Chinch Bugs ⁵ Fleas (Larvae) ⁷ Imported Fire Ants ⁸ Japanese Beetle (Adult) Mole Cricket (Adult) ⁹ Mole Cricket (Nymph) ¹⁰ Ticks ¹¹	0.5 - 1.0 fluid oz. per 1000 sq. ft.

In New York State, this product may NOT be applied to any grass or turf area within 100 feet of a water body (lake, pond, river, stream, wetland, or drainage ditch).

In New York State, do make a single repeat application of TalstarOne if there are signs of renewed insect activity, but not sooner than two weeks after the first application.

Comments

¹**Armyworms, Cutworms and Sod Webworms:** To ensure optimum control, delay watering (irrigation) or mowing for 24 hours after application. If the grass area is being maintained at a mowing height of greater than 1 inch, then higher application rates (Up to 1 fluid oz. per 1000 square feet) may be required during periods of high pest pressure.

²**Annual Bluegrass Weevil (*Hyperodes*) adults:** Applications should be timed to control adult weevils as they leave their overwintering sites and move into grass areas. This movement generally begins when *Forsythia* is in full bloom and concludes when flowering dogwood (*Cornus florida*) is in full bloom. Consult your State Cooperative Extension Service for more specific information regarding application timing.

³**Billbug adults:** Applications should be made when adult billbugs are first observed during April and May. Degree day models have been developed to optimize application timing. Consult your State Cooperative Extension Service for information specific to your region. In temperate regions, spring applications targeting billbug adults will also provide control of over-wintered chinch bugs.

⁴**Black Turfgrass Ataenius adults:** Applications should be made during May and July to control the first and second generation of black turfgrass ataenius adults, respectively. The May application should be timed to coincide with the full bloom stage of Vanhoutte spiraea (*Spiraea vanhouttei*) and horse chestnut (*Aesculus hippocastanum*). The July application should be timed to coincide with the blooming of Rose of Sharon (*Hibiscus syriacus*).

⁵**Chinch Bugs:** Chinch Bugs infest the base of grass plants and are often found in the thatch layer. Irrigation of the grass area before treatment will optimize the penetration of the insecticide to the area where the chinch bugs are located. Use higher volume applications if the thatch layer is excessive or if a relatively long mowing height is being maintained. Chinch Bugs can be one of the most difficult pests to control in grasses and the higher application rates (Up to 1 fluid oz. per 1000 square feet) may be required to control populations that contain both nymphs and adults during the middle of the summer.

⁶**Mites:** To ensure optimal control of eriophyid mites, apply in combination with the labeled application rate of a surfactant. A second application, five to seven days after the first, may be necessary to achieve acceptable control.

⁷**Flea larvae:** Flea larvae develop in the soil of shaded areas that are accessible to pets or other animals. Use a higher volume application when treating these areas to ensure penetration of the insecticide into the soil. Note: if the lawn area is being treated with TalstarOne at 0.25 fluid oz. per 1000 square feet for adult flea control, then the larval application rate may be achieved by increasing the application volume two- to four-fold.

⁸**Imported Fire Ants:** Control will be optimized by combining broadcast applications that will control foraging workers and newly mated fly-in queens with mound drenches that will eliminate existing colonies. If the soil is not moist, then it is important to irrigate before application or use a high volume application. Broadcast treatments should apply 1 fluid oz. per 1,000 square feet. Mounds should be treated by diluting 1 teaspoon of TalstarOne per gallon of water and applying 1 to 2 gallons of finished spray per mound. The mounds should be treated with sufficient force to break their apex and allow the insecticide solution to flow into the ant tunnels. A four foot diameter circle around the mound should also be treated. For best results, apply in cool weather (65 - 80°F) or in early morning or late evening hours. Note: a spray rig that is calibrated to apply 1 fluid oz. per 1,000 square feet of TalstarOne in 5 gallons per 1,000 square feet contains the approximate dilution (1 teaspoon per gallon) that is required for fire ant mound drenches in the spray tank.

⁹**Mole Cricket adults:** Achieving acceptable control of adult mole crickets is difficult because preferred grass areas are subject to continuous invasion during the early spring by this extremely active stage. Applications should be made as late in the day as possible and should be watered in with up to 0.5 inches of water immediately after treatment. If the soil is not moist, then it is important to irrigate before application to bring the mole crickets closer to the soil surface where contact with the insecticide will be maximized. Grass areas that receive pressure from adult mole crickets should be treated at peak egg hatch to ensure optimum control of subsequent nymph populations (see below).

¹⁰**Mole Cricket nymphs:** Grass areas that received intense adult mole cricket pressure in the spring should be treated immediately prior to peak egg hatch. Optimal control is achieved at this time because young nymphs are more susceptible to insecticides and they are located near the soil surface where the insecticide is most concentrated. Control of larger, more damaging, nymphs later in the year may require both higher application rates and more frequent applications to maintain acceptable control. Applications should be made as late in the day as possible and should be watered in with up to 0.5 inches of water immediately after treatment. If the soil is not moist, then it is important to irrigate before application to bring the mole crickets closer to the soil surface where contact with the insecticide will be maximized.

¹¹**Ticks (Including ticks that may transmit Lyme Disease and Rocky Mountain Spotted fever):** Do not make spot applications. Treat the entire area where exposure to ticks may occur. Use higher spray volumes when treating areas with dense ground cover or heavy leaf litter. Ticks may be reintroduced from surrounding areas on host animals. Retreatment may be necessary to achieve and/or maintain control during periods of high pest pressure. Repeat application is necessary only if there are signs of renewed activity. Repeat application should be limited to no more than once per seven days.

Deer ticks (*Ixodes sp.*) have a complicated life cycle that ranges over a two year period and involves four life stages. Applications should be made in the late fall and/or early spring to control adult ticks that are usually located on brush or grass above the soil surface and in mid to late spring to control larvae and nymphs that reside in the soil and leaf litter.

American dog ticks may be a considerable nuisance in suburban settings, particularly where homes are built on land that was previously field or forest. These ticks commonly congregate along paths or roadways where humans are likely to be encountered. Applications should be made as necessary from mid-spring to early fall to control American dog tick larvae, nymphs and adults.

¹²**Crane Flies:** Treatments can be made to control early to mid-season larvae (approximately August – February) as they feed on plant crowns. Treatments made to late-season larvae (approximately March, April) may only provide suppression.

ORNAMENTALS AND TREES

For ornamental applications (including but not limited to trees, shrubs, ground covers, bedding plants, and foliage plants) apply 0.125 to 1.0 fluid oz. of TalstarOne® Multi-Insecticide per 1,000 square feet or 5.4 to 43.5 fl. oz. per 100 gallons. TalstarOne may be diluted and applied in various volumes of water providing that the maximum label rate (1.0 fluid oz. per 1,000 square feet or 43.5 fl. oz per 100 gallons.) is not exceeded. TalstarOne may be applied through low volume application equipment by dilution with water or other carriers and providing that the maximum label rate (1.0 fluid oz. per 1,000 square feet or 43.5 fl. oz per 100 gallons) is not exceeded.

Apply the specified application rate as a full coverage foliar spray. Repeat treatment as necessary to achieve control using higher application rates as pest pressure & foliage area increases. Repeat application should be limited to no more than once per seven days.

Certain cultivars may be sensitive to the final spray solution. A small number of plants should be treated and observed for one week prior to application to the entire planting.

Use of an alternate class of chemistry in a treatment program is recommended to prevent or delay pest resistance.

GREENHOUSES AND INTERIORSCAPES

Use TalstarOne, either alone or tank mixed with other products, including insect growth regulators, to control a wide spectrum of insects and mites on trees, shrubs, foliage plants, non-bearing fruit and nut trees, and flowers in greenhouses and interiorscapes including hotels, shopping malls, office buildings, etc.

Calculating Dilution Rates using the Ornamental and Greenhouse Application Rates Table and the TalstarOne Dilution Chart (page 3): The following steps should be taken to determine the appropriate dilution of TalstarOne that is required to control specific pests:

- 1) Identify the least susceptible target pest (the pest requiring the highest application rate for control).
- 2) Select an application rate in terms of fluid oz. of TalstarOne.
- 3) Identify your application volume and how much spray mix you want to prepare.
- 4) Use the Dilution Chart to determine the appropriate volume of TalstarOne that must be mixed in your desired volume of water.

ORNAMENTAL and GREENHOUSE APPLICATION RATES

The application rates listed in the following table will provide excellent control of the respective pests under typical conditions. However, at the discretion of the applicator, TalstarOne may be applied at up to 1 fluid oz. per 1,000 square feet (43.5 fl. oz. per 100 gallons) to control each of the pest listed in this Table. The higher application rates should be used when maximum residual control is desired.

Apply the specified rate as a full coverage foliar spray. Repeat as necessary to achieve control using higher rates as pest pressure and foliage increases.

Certain cultivars may be sensitive to the final spray solution. A small number of plants should be tested prior to application of the entire planting.

Use an alternate class of chemistry in the treatment program is recommended to prevent or delay resistance.

Pest	Application Rate TalstarOne	
	Fluid Ounces per 1,000 square feet	Fluid Ounces per 100 gallons
Bagworms ¹² Cutworms Elm Leaf Beetles Fall Webworms Gypsy Moth Caterpillars Lace Bugs Leaf Feeding Caterpillars Tent Caterpillars	0.125 - 0.25	5.4 - 10.8
Adelgids [†] Aphids Bees Beet Armyworm Beetles ^{13,†} Black Vine Weevil (Adults) Brown Soft Scales Broad Mites Budworms California Red Scale (Crawlers) ¹³ Centipedes Cicadas [†] Citrus Thrips Clover Mites Crickets Diaprepes (Adults) Earwigs European Red Mite Flea Beetles Fungus Gnats (Adults) Grasshoppers Japanese Beetle (Adult) [†] Leafhoppers Leafrollers Mealybugs Millipedes Mites Orchid Weevil Pillbugs Plant Bugs (Including <i>Lygus spp.</i>) Psyllids [†] Scale crawlers, such as California scale, San Jose scale, etc. ¹³ Scorpions Sowbugs Spider Mites ¹⁴ Spiders Spittlebugs [†] Thrips Tip Moths Treehoppers [†] Twig Borers ¹³ Wasps Weevils ¹³ Whiteflies	0.25 - 0.5	10.8 - 21.7
Ants Imported Fire Ants** Leafminers Pecan Leaf Scorch Mite Pine Shoot Beetle (Adults) Spider Mites ¹⁴	0.5 - 1.0	21.7 - 43.5
Mosquitoes	See Mosquito Control directions for residual control rates and information on page 5	

¹²**Bagworms:** Apply when larvae begin to hatch and spray larvae directly. Applications when larvae are young will be most effective.

¹³**Beetles[†], Scale Crawlers, Twig Borers, and Weevils:** Treat trunks, stems and twigs in addition to plant foliage.

¹⁴**Spider Mites:** TalstarOne provides optimal twospotted spider mite control when applied during spring to mid-summer. Higher application rates and/or more frequent treatments may be required for acceptable twospotted spider mite control during mid- to late-summer. The addition of a surfactant or horticultural oil may increase the effectiveness of TalstarOne. Combinations of TalstarOne with other registered miticides have also proven effective. Alternately, TalstarOne applications may be rotated with those of other products that have different modes of action in control programs that are designed to manage resistance by twospotted spider mites. Consult your local Cooperative Extension Service for resistance management recommendations in your region.

**For foraging ants.

[†]Not for use in California.

For California

Greenhouse Applicators must wear:

Full body chemical-resistant protective suit (such as barrier laminate, butyl rubber, nitrile rubber, polyvinyl chloride, or equivalent).

Reapplication Interval: Reapplications to greenhouses must be at intervals of 30 days or longer.

Greenhouse Harvesters must wear:

Regular length gloves plus a long sleeved shirt or elbow-length (gauntlet type) gloves during the 30 days following application.

Attention

Do not apply a broadcast application to interior surfaces of homes.

Do not apply to pets, **food** crops, or sources of electricity.

Firewood is not to be **burned for one month after treatment.**

Use only in well ventilated areas.

Do not use on edible crops

During any application to overhead areas of structure, cover surfaces below with plastic sheeting or similar material, except for soil surfaces in crawlspaces.

Do not allow spray to contact food, foodstuffs, food contacting surfaces, food utensils or water supplies.

Thoroughly wash dishes and food handling utensils with soap and water if they become contaminated by application of this product.

Do not treat areas where food is exposed.

During indoor surface applications do not allow dripping or run-off to occur.

Do not allow people or pets on treated surfaces until spray has dried.

Let surfaces dry before allowing people and pets to contact surfaces.

Prior to applying TalstarOne® Multi-Insecticide to wood siding, especially rough wood siding, be sure to thoroughly agitate the tank mixture. Prior to treating wood siding, test a small area and allow it to dry to be sure no deposits will form. Follow the same procedure when applying to wood surfaces in direct sunlight or the heat of the day.

Do not apply this product in patient rooms or in any rooms while occupied by the elderly or infirm.

Do not apply in classrooms when in use.

Do not apply when occupants are present in the immediate area in institutions such as libraries, sports facilities, etc.

Do not apply this pesticide in livestock buildings (barns).

Application equipment that delivers low volume treatments, such as the Micro-Injector® or Actisol® applicators, may also be used to make crack and crevice, deep harborage, spot and general surface treatments of TalstarOne.

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

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the Directions for Use when used in accordance with the directions under normal conditions of use. FMC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO THE SELECTION, PURCHASE, OR USE OF THIS PRODUCT. Any warranties, express or implied, having been made are inapplicable if this product has been used contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to (or beyond the control of) seller or FMC, and buyer assumes the risk of any such use.

To the extent allowed by law, FMC or seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF FMC 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 FMC OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

This Conditions of Sale and Limitation of Warranty and Liability may not be amended by any oral or written agreement.

Talstar, TalstarOne, U-Turn and FMC —Trademarks of FMC Corporation (09/06/05)

Micro-Injector is a registered trademark of Whitmire Micro-Gen Research Laboratories

Actisol is a registered trademark of Roussel-Uclaf

Specimen Label

Tempo[®] 2

Insecticide

For commercial use only.

For broad-spectrum control of crawling, flying, and wood-infesting insect pests for indoor and outdoor surfaces, as well as insect pests of trees, landscape ornamentals and residential and commercial lawns.

ACTIVE INGREDIENT:

Cyfluthrin, cyano(4-fluoro-3-phenoxyphenyl)methyl 3-(2,2-dichloroethenyl)-2,2

-dimethylcyclopropanecarboxylate 24.3%

INERT INGREDIENTS: 75.7%
100.0%

(This product contains xylene-range, aromatic solvents)

Contains 2 pounds cyfluthrin per gallon.

EPA Reg. No. 3125-372

Six 240-mL Bottles per Carton, Two Cartons per Case

STOP - Read The Label Before Use
KEEP OUT OF REACH OF CHILDREN

AVISO

WARNING

PRECAUCION AL USUARIO: Si usted no puede leer o entender ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

(TO THE USER: If you cannot read or understand English, do not use this product until the label has been fully explained to you.)

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING: Causes substantial but temporary eye injury. Harmful if swallowed, inhaled or absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic skin reactions in some individuals. Do not get in eyes or on clothing. Avoid breathing vapor or spray mist. Avoid contact with skin. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

Wear goggles, face shield, or safety glasses when handling the undiluted material and wear a respirator when making general surface overhead treatments indoors.

Do not contaminate feed or food. Keep out of reach of children.

STATEMENTS OF PRACTICAL TREATMENT

If in eyes: Hold eyelids open and flush with plenty of water. Get medical attention. **If swallowed:** Call a physician or Poison Control Center. Do not induce vomiting. Vomiting may cause an aspiration hazard. **If on skin:** Wash thoroughly with soap and water. Get medical attention if irritation occurs.

Note To Physician: Treat the patient symptomatically, taking into consideration that this formulation contains 34% aromatic petroleum distillates.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Remove from premises or tightly cover fish tanks and disconnect aerators when applying indoors where such containers are present. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

Apply this product only as specified on this label.

This pesticide is highly toxic to bees exposed to direct treatment or residues on crops or weeds. Do not apply TEMPO 2 or allow it to drift onto crops or weeds on which bees are actively foraging. Additional information may be obtained by consulting your Cooperative Extension Service.

DIRECTIONS FOR USE

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

IMPORTANT: Read these entire Directions and Conditions of Sale before using TEMPO 2 Insecticide.

CONDITIONS OF SALE: THE DIRECTIONS ON THIS LABEL WERE DETERMINED THROUGH RESEARCH TO BE THE DIRECTIONS FOR CORRECT USE OF THIS PRODUCT. THIS PRODUCT HAS BEEN TESTED FOR A RANGE OF WEATHER CONDITIONS SIMILAR TO THOSE WEATHER CONDITIONS THAT ARE ORDINARY AND CUSTOMARY IN THE GEOGRAPHIC AREA WHERE THE PRODUCT IS USED. INSUFFICIENT CONTROL OF PESTS AND/OR INJURY TO THE CROP TO WHICH THE

PRODUCT IS APPLIED MAY RESULT FROM THE OCCURRENCE OF EXTRAORDINARY OR UNUSUAL WEATHER, OR FROM FAILURE TO FOLLOW LABEL DIRECTIONS. IN ADDITION, FAILURE TO FOLLOW LABEL DIRECTIONS MAY CAUSE INJURY TO OTHER CROPS, ANIMALS, MAN, OR THE ENVIRONMENT. BAYER OFFERS, AND THE BUYER ACCEPTS AND USES, THIS PRODUCT SUBJECT TO THE CONDITIONS THAT EXTRAORDINARY OR UNUSUAL WEATHER, OR FAILURE TO FOLLOW LABEL DIRECTIONS ARE BEYOND THE CONTROL OF BAYER AND ARE, THEREFORE, THE RESPONSIBILITY OF THE BUYER.

Do not formulate this product into other end-use products.

GENERAL INFORMATION FOR STRUCTURAL PEST CONTROL

TEMPO 2 Insecticide is a liquid formulation containing 2 lb active ingredient per gallon, which will provide effective knockdown and residual control of the pests listed in this label.

TEMPO 2 is intended for use as a general surface, spot, or crack and crevice application in and around buildings and structures and their immediate surroundings and on various modes of transport. Permitted areas of use include, **but are not limited to**, apartment buildings, bakeries, bottling facilities, breweries, cafeterias, candy plants, cereal processing and manufacturing plants, correctional facilities, dairies and dairy product processing plants, frozen food plants, grain mills, granaries, greenhouses, hospitals, hotels, houses, industrial buildings, kitchens, laboratories, livestock housing structures, pet kennels, manufacturing establishments, mausoleums, poultry houses, meat, poultry and egg processing and packing plants, meat and produce canneries, nursing homes, pickle factories, restaurants, schools, spice plants, stores, warehouses, wineries and similar structures as well as aircraft, buses, trucks, trailers, rail cars, and marine vessels.

Do not use in aircraft cabins.

Hospital and/or nursing home patients must be removed from their rooms while treatment is being applied and must not be allowed to return until all treated surfaces have dried. School

classrooms must be treated only when students are not present, and all treated surfaces must be dry before the students are allowed to return.

TEMPO 2 is intended to be mixed with water and applied with hand-pressurized, power-operated sprayers, or foam-generating equipment. Spray pressure should not exceed 50 PSI at the nozzle tip when used indoors. Add the appropriate amount of product when filling sprayer tank with water, shake or agitate as necessary to mix. Diluted spray mixture can be stored overnight and applied the following day; however, mixture should be agitated prior to application to prevent uneven distribution of product. Before leaving spray mixture unagitated for an extended period of time, release tank pressure and elevate nozzle and hose above tank outlet, activate trigger and drain all dilution from hose back into spray tank. Re-tighten spray tank lid and do not re-pressurize until starting spray again.

TEMPO 2 will not stain or cause damage to any painted or varnished household surface, plastic, fabric or other surface where water applied alone causes no damage.

TANK MIXING: The user, at his discretion, can tank mix pesticides currently registered for similar use patterns, unless the product labels specifically prohibit such use. See Extended Cockroach Control with Insect Growth Regulators.

Specimen Label

It is always recommended that a small jar compatibility test using proper proportions of chemicals and water be run to

check for physical compatibility prior to tank mixing.

GENERAL SURFACE APPLICATION

Use 8 milliliters of TEMPO 2 per 1000 sq ft (see Note 1) in sufficient water to adequately cover the area being treated, but which will not allow dripping or runoff to occur (see Note 2). Use a low pressure system with a fan type nozzle to uniformly apply the dilution. Applications can be made to walls, floors, ceilings, in and around cupboards, between, behind and beneath equipment, appliances, around floor drains, window and door frames, and on the underside of shelves, drawers and in similar areas. Applications may be made to floor surfaces along walls and around air ducts,

however, do not treat entire area of floor or floor coverings. In the home, all food-processing surfaces and utensils should be covered or thoroughly washed following treatment. Cover exposed food or remove from area being treated. Re-application can be made at 10-day intervals, if necessary. Do not apply where electrical short circuits could occur. Use a dust or dry bait in these areas. It is recommended to wear safety glasses, goggles or face shield and a respirator when making a general surface treatment to overhead areas.

Note 1: Under conditions of severe pest infestation or when quicker knockdown and/or longer residual control is needed, use 16 milliliters of TEMPO 2 per 1000 sq ft.

Note 2: Volume of Water Sprays Applied to a Vertical Surface to Attain Appropriate Coverage

Type of Surface	Quarts/ 1000 Sq Ft	Gallons/ 1000 Sq Ft
Ceramic tile (glazed)	0.75	0.2
Stainless steel	0.75	0.2
Latex painted plywood (semigloss)	4.0	1.0
Masonite (smooth)	6.3	1.5
Unpainted plywood	11.0	2.7
Unpainted particle board	11.7	3.0
Cement block (semigloss latex)	12.5	3.2
Cement block (unfinished)	145.5	36.3

SPOT, OR CRACK AND CREVICE APPLICATIONS

Mix 8 milliliters of TEMPO 2 in one gallon of water to make a dilution of 0.05% active ingredient concentration (see Note 3). Use a low pressure system with a pin-point or variable pattern nozzle or appropriate foam generating equipment to apply the dilution or sufficient volume of foam in specific areas such as: cracks and crevices in or behind baseboards, in floors, walls, expansion joints, areas around water and sewer pipes, wall voids, or voids in table legs and equipment where pests can hide as well as other similar areas. Spot treatments may also be made to areas **including but not limited to** storage areas, closets, around water pipes, doors and windows, behind and under

refrigerators, cabinets, sinks, stoves and other equipment, the underside of shelves, drawers and similar areas. TEMPO 2 can be reapplied at 10-day intervals, if necessary. Do not apply where electrical short circuits could occur. Use a dust or dry bait in these areas.

Note 3: Under conditions of severe pest infestation or when quicker knockdown and/or longer residual control is needed, mix 16 milliliters of TEMPO 2 in one gallon of water to make a dilution of 0.1% active ingredient concentration.

EXTENDED COCKROACH CONTROL WITH INSECT GROWTH REGULATORS

Use TEMPO 2 in a tank mix combination with an Insect Growth Regulator (IGR) for extended control of American, Asian, German, Oriental, brown-banded, smoky brown and other species of cockroaches. Use in food areas of food handling establishments only if all products in tank mix are registered for such use.

Make applications in accordance with those label instructions which are the same for each product. Prepare the tank mix using the recommended rate of TEMPO 2 and the IGR of

choice by adding the TEMPO 2 first and making sure it is a well mixed dilution, then adding the correct amount of IGR according to its label instructions. Follow all label instructions for use patterns and spray intervals from the IGR label to achieve maximum benefit.

Refer to the appropriate sections of the label for TEMPO 2 and the label for the IGR of choice for additional precautions, restrictions, limitations, and application information.

FOOD/FEED HANDLING ESTABLISHMENT APPLICATIONS

TEMPO 2 applications are permitted in both food/feed and non-food areas of food/feed handling establishments as a general surface, spot, or crack and crevice treatment. Food/feed handling establishments are defined as places other than private residences in which exposed food/feed is held, processed, prepared or served. Included also are areas for receiving, storing, packing (canning, bottling, wrapping, boxing), preparing, edible waste storage and enclosed processing systems (mills, dairies, edible oils, syrups) of food. Serving areas where food is exposed and the facility is in operation are also considered food areas.

TEMPO 2 is authorized by the USDA for use in federally inspected meat and poultry plants. This product is acceptable for use in edible product areas of official establishments operating under the Federal meat, poultry, shell egg grading, and egg products inspection programs, as a crack and crevice treatment.

General Surface Application: Do not apply as a general surface application in the food handling areas of the facility, when the facility is in operation or foods are exposed. Do not apply directly to food products. Cover or remove all food-processing and/or handling equipment during application. After application in food-processing plants, bakeries, cafeterias and similar facilities, wash all equipment, benches, shelving and other surfaces which food will contact. Clean food handling or processing equipment and thoroughly rinse with clean, fresh water.

Spot, Crack and Crevice Application: Spot or crack and crevice applications may be made while the facility is in operation; however, food should be covered or removed from area being treated. Do not apply directly to food or food-handling surfaces.

INDOOR PEST CONTROL

CRAWLING INSECT PEST CONTROL

For **general household pests** and **occasional invaders** make applications in a manner as previously described under General Surface, Spot, or Crack and Crevice Application. Particular attention should be given to treating entry points and harborage areas.

For **pantry pest control** of exposed adult and immature stages of insects, make application to cupboards, shelving and storage areas. Particular attention should be given to treating cracks and crevices and other harborage areas. Remove all utensils, uncovered foodstuffs (or any with package opened), shelf paper and other objects before spraying. Allow treated surfaces to dry and cover shelves with clean paper before replacing any utensils, foodstuff or other items. Any foodstuff accidentally contaminated with spray dilution should be discarded.

For **stored product pest control** of exposed adult and immature stages of insect pests, apply to cracks, crevices, and other surfaces where the pests have been seen or has harborage. Treat warehouses, production facilities, storage areas, rail cars, truck beds and other areas where products are stored before filling with the product. TEMPO 2 may be used by pest control operators and grain producers to treat grain storage facilities and other areas noted above for stored product pest control. Cleaning of all areas prior to use of TEMPO 2 will increase levels of control. Any foodstuffs infested with pests should be removed and destroyed.

For **premise pest control** make application to rugs, carpeting beneath furniture, in closets and storage areas where these pests normally feed or hide. Do not apply to entire floor area. Applications to furniture should be

restricted to those areas where no prolonged contact by humans will occur. Avoid contact with treated surfaces until dry. Remove or tightly cover fish tanks and disconnect aerators during application. Pets should be removed from the area being treated during application and until treated surfaces are completely dry.

For **aircraft pest control** apply to cracks, crevices and other surfaces where the pests have been seen or have harborage. Applications can be made to carpet and upholstered surfaces where no prolonged contact by human skin will occur. Applications should not be made when passengers or non-essential personnel are present in the immediate or treated area. All surfaces should be dry prior to re-entry by passengers or other personnel.

For **use by pest control operators or livestock producers in livestock housing structures (including poultry houses) and pet kennels** to control crawling and flying insect pests. Apply as a general surface and/or a crack and crevice spray. Control will be enhanced when facilities are cleaned and interior applications are supplemented with exterior perimeter treatments. Do not make interior applications of TEMPO 2 in areas of facility where animals other than cattle or horses are present. Do not make applications to animal feedstuffs or watering equipment.

FLYING INSECT PEST CONTROL

(General Surface Spray)

For control of flying insects indoors make application to surfaces as directed under Directions For Use, where the pests collect or rest. **Do not apply as a "space spray" application.**

OUTDOOR PEST CONTROL

For control of **flying insects outdoors** use a 0.05% to 0.1% dilution and make applications to outside surfaces of buildings, porches, patios, garages and other areas where these pests have been seen or found. Use a 0.1% dilution and make pin stream applications directly to the nests of wasps, yellow jackets and hornets.

For **perimeter pest control**, make a general surface application to outside surfaces of buildings, porches, patios, garages and other adjacent areas where pests have been seen or found. To help prevent infestations of buildings by occasional invaders, treat soil, turf or other substrates adjacent to buildings, the building foundation, walls, around doors and windows, soffit areas where these pests are active and may find entrance or harborage. Apply a minimum of 6 milliliters of TEMPO 2 per 1000 sq ft in sufficient water to provide adequate coverage.

For control of the **imported red fire ant**, use a 0.1% dilution of TEMPO 2 and thoroughly drench or inject the entire mound area. Treat all areas of the mound showing activity to provide contact control of the adult fire ants. TEMPO 2 will provide contact activity and residual repellency in the active mound.

When using the injection treatment method for control of the imported red fire ant, it is essential that treatment be made to the bottom of the active mound. Apply dilution or sufficient volume of foam throughout the mound using a downward and upward motion of the injector tool. Multiple injection sites may be needed to ensure complete distribution of the dilution or foam throughout the active mound.

Do not use TEMPO 2 to treat fire ant mounds in any food crop production area, pasture or area where food crop production may occur.

CONTROL OF WOOD INFESTING PESTS

For control of **wood infesting beetles** on surfaces in homes and other structures, apply a 0.1% dilution of TEMPO 2. For treatment of small areas, apply by brushing or spraying the suspension evenly on wood surfaces. For large or overhead areas of homes, apartment buildings, etc, apply as a coarse spray to thoroughly cover the area. Cover all surfaces below the area being sprayed with plastic sheeting or other material which can be disposed of by placing in trash if contamination from dripping occurs. Sprayed surfaces should be avoided until the treated area is completely dry.

For control of **above-ground termites and wood-infesting beetles** in localized areas, apply a 0.1% dilution or sufficient volume of foam of TEMPO 2 to voids and galleries in damaged wood, and in spaces between wooden structural members and between the sill plate and foundation where wood is vulnerable. Applications may be made to inaccessible areas by drilling, and then injecting the dilution or foam with a suitable directional injector into the damaged wood or wall voids. Termite carton nests in building voids may be injected with 0.1% dilution or foam using a pointed injection tool. Multiple injection points to varying depths may be necessary. It is desirable to physically remove carton nest material from building voids when such nests are found. Application to attics, crawl spaces, unfinished basements, or man-made voids may be made with a coarse fan spray of 0.1% dilution to control exposed worker and winged reproductive forms of termites. This type of application is intended to be a supplemental treatment for control of drywood and above-ground subterranean termites and other wood-infesting insects.

For control of **swarming or reproductive stages of termites**, apply a 0.1% dilution to the swarm or area on which they collect.

For control of **above-ground termites** inside trees, utility

poles, fencing and decking materials and similar structural members, drill to find the interior infested cavity and inject 0.1% dilution or foam using an appropriate treatment tool with a splashback guard.

Termite carton nests in trees may be injected with 0.1% dilution or foam using a pointed injection tool. Multiple injection points to varying depths may be necessary. It is desirable to physically remove carton nest material from trees when such nests are found.

For protection of **firewood from carpenter ants and termites**, treat soil beneath firewood prior to stacking with a 0.1% dilution at 1 gallon per 8 square feet to prevent carpenter ant or termite infestation. For control of **carpenter ants** in houses and other structures, use a 0.1% dilution and apply as a general surface, spot, crack and crevice or wall void application. Repeat treatments when necessary. Apply around doors and windows and other places where carpenter ants may enter the premises. Spray or foam into cracks and crevices or through small drilled holes into voids where these ants or their nests are present. Use a sufficient amount of coarse spray or foam to cover the area. Do not exceed 1 gallon of dilution per 1000 square feet of treated surface.

For control of **carpenter ants** inside trees, utility poles, fencing and decking materials and similar structural members, drill to find the interior infested cavity and inject 0.1% dilution or sufficient volume of foam using an appropriate treatment tool with a splashback guard. Repeat as needed.

For control of **tunneling carpenter ants** in soil, apply a 0.1% dilution as a drench or inject the dilution or foam at intervals of 8 to 12 inches. Establish a uniform vertical barrier at the edge of walls, driveways or other hard surfaces where ants are tunneling beneath the surfaces.

Specimen Label

For control of **carpenter bees in structures**, use a 0.1% dilution and spray the liquid directly into gallery entrance holes. Following treatment, the entrance holes may be left open 24 hours to be certain that returning adult bees are killed. When there is no activity, the hole may be sealed with a suitable sealant.

FOAM APPLICATION USE DIRECTIONS: Mix end-use dilution of TEMPO 20 WP with manufacturer's recommended volume of foaming agent. For a 0.05 to 0.1% foam concentration, foam 8 to 16 milliliters of TEMPO 2 formulation per gallon of pre-foamed dilution.

PESTS CONTROLLED BY TEMPO*				
I. INDOOR PREMISE PESTS			II. FOOD PROCESSING PESTS	IV. OUTDOOR/PERIMETER PESTS
1. Crawling Pests Ants (except Pharaoh) Bedbugs Carpet beetles Centipedes Cockroaches American Asian German Oriental brown-banded smoky brown Crickets Darkling beetles Earwigs Firebrats Millipedes Pillbugs Silverfish Sowbugs Spiders	2. Flying Pests Clothesmoths Flies Gnats Midges Mosquitoes Moths Wasps Yellow jackets	3. Pantry & Stored Product Pests Beetles (exposed adults & immature stages) Cadelle Cigarette Confused Flour Dermestid Drug-store Granary weevil Hide Larder Leather Lesser grain borer Lesser mealworm Merchant grain Mealworm Red flour Rice weevil Sawtoothed grain Warehouse Moths Indian meal Mediterranean flour	(Same crawling & flying pests, pantry & stored product pests as for INDOOR PREMISE) and Fruitflies Phoridflies Sciaridflies	Ants Bees Boxelder bugs Carpenter ants Cecidflies Centipedes Clusterflies Cockroaches Crickets Elm leaf beetle Fire ants Firebrats Flies Fleas Gnats Ground beetles Hornets Imported red fire ants Midges Millipedes Mosquitoes Moths Scorpions Silverfish Spiders Ticks Wasps Yellow jackets
			III. WOOD INFESTING PESTS	
			Beetles Ambrosia Deathwatch False powderpost Old house borer Powderpost Carpenter ants Carpenter bees Termites Subterranean Formosan Drywood	
For GENERAL SURFACE APPLICATION , use 8 milliliters of TEMPO 2 per 1000 square feet in sufficient water to adequately cover the area being treated. Under conditions of severe pest infestation or when quicker knockdown and/or longer residual control is needed, use 16 milliliter of TEMPO 2 per 1000 sq. ft.				
For SPOT, CRACK AND CREVICE OR FOAM APPLICATIONS , mix 8 milliliters TEMPO 2 in one gallon of water to make a 0.05% active ingredient concentration. Under conditions of severe pest infestation or when quicker knockdown and/or longer residual control is needed, mix 16 milliliters of TEMPO 2 in one gallon of water to make a 0.1% active ingredient concentration.				

GENERAL INFORMATION FOR TURF AND LANDSCAPE ORNAMENTAL PEST CONTROL

When used at recommended rates and as directed under RECOMMENDED APPLICATIONS, TEMPO 2 Insecticide will control the designated pests on trees, shrubs, foliage plants and flowers in outdoor landscaped areas such as parks, recreational areas, athletic fields, institutional grounds, etc., and interior plantscapes (such as in hotels, shopping malls, office buildings, etc.) where these plants are grown. TEMPO 2 Insecticide also controls designated pests in landscape and recreational turfgrass including home lawns, business and office complexes, shopping complexes, multi-family residential complexes, airports, cemeteries, parks, playgrounds and athletic fields, and other landscape turfgrass.

NOTE: Not for use in commercial greenhouses, nurseries, on sod farms or grass grown for seed. Not for use on golf course turf.

APPLICATION TO ORNAMENTALS: TEMPO 2 Insecticide mixes readily with water and may be used in all types of spray equipment. Mix product with the required amount of water and apply as a dilute spray application to the point of runoff but do not allow runoff to occur. When spraying hard-to-wet foliage such as holly, pine or ivy, the addition of a spreader/sticker may enhance both knockdown and residual activity. If concentrate or mist type spray equipment is used, an equivalent amount of product should be used on

Specimen Label

the area sprayed, as would be used in a dilute application. Phytotoxicity testing has been carried out on a wide range of ornamental plants under various environmental conditions and no phytotoxicity has been observed. It is advised to pre-spray a selection of ornamentals if local use experience is unavailable. Time applications to flowering plants during periods when pollinating insects are not present, such as early morning or late evening.

APPLICATIONS ON TURF: TEMPO 2 Insecticide mixes readily with water and/or various fertilizer solutions and can be used in appropriate spray equipment to treat listed turfgrass. Applications should be made with accurately calibrated equipment and applied uniformly, using a coarse, large droplet, spray application procedure. Do not allow drift onto ponds, streams, or lakes. For optimum control of armyworms, cutworms and sod webworms, delay irrigation and mowing for at least 24 hours following the application.

Keep children and pets off treated areas until lawn has dried following the application.

TANK MIXING: The user, at his or her discretion, can tank mix pesticides currently registered for similar use patterns, unless the product labels specifically prohibit such use. No label dosage rates should be exceeded. For example, TEMPO 2 Insecticide can be tank mixed with MERIT 75 WSP Insecticide for use on turf and landscape ornamentals in accordance with the more (most) restrictive of label limitations and precautions. When tank mixing TEMPO 2 Insecticide with MERIT 75 WSP Insecticide, add the MERIT to the tank first while agitating. After the water-soluble packaging is fully dissolved and the powder is fully dispersed, then add the TEMPO 2 Insecticide.

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

RECOMMENDED APPLICATIONS				
CROP	PEST		DOSAGE TEMPO 2	REMARKS
LANDSCAPE ORNAMENTALS (Including Trees, Shrubs, Evergreens, Flowers, Foliage Plants)	Ants*	Leafrollers	45 mL (1.5 fl oz) Per 100 Gal	Applications should be started prior to establishment of high pest populations and reapplication made as necessary. Good spray coverage is necessary to provide the most effective level of control. Addition of a spreader/sticker at recommended rates may enhance control of insects on certain species of ornamentals having hard-to-wet foliage. *The use of TEMPO 2 Insecticide for the control of ants, crickets, spiders, midges, wasps, flies and mosquitoes is limited to ornamental areas and areas adjacent to buildings. Apply as a general spray, concentrating on damp areas beneath shrubbery, around foundations and in areas of tall grass or weeds. Do not apply to any food crop. Remove any animal feeding dishes prior to treatment and do not allow spray or drift to contact fish-bearing water. **Outdoor cockroach control (including Asian cockroaches) is obtained by spraying hiding or resting places such as under shrubbery, in ground covers and mulching materials, in hollow trees, etc.
	Aphids	Mealybugs		
	Amyworms	Midges*		
	Azalea caterpillars	Mosquitoes*		
	Bagworms	Oleander moth larvae		
	Boxelder bugs	Orchid weevil		
	Bristly roseslugs	Pear psylla		
	Budworms	Pepper-tree psyllid		
	California oakworms	Pillbugs		
	Cankerworms	Pine tip moths		
	Casebearers	Pine shoot moths		
	Clover mites	Plant bugs		
	Cockroaches**	Redhumped caterpillars		
	Crickets*	Sawfly larvae		
	Cutworms	Scale insects		
	Elm leaf beetles	(crawler stages)		
	Elm spanworms	Sowbugs		
	Flea beetles	Spiders*		
	Flies*	Spittlebugs		
	Fungus gnats	Striped oakworms		
	Grasshoppers	Striped beetles		
	Gypsy moth larvae	Tent caterpillars		
	Japanese beetles (adult)	Thrips		
	June beetles (adult)	Ticks (including deer ticks)		
	Lace bugs	Tussock moth larvae		
	Leaf skeletonizers	Wasps*		
	Leaf-feeding caterpillars	Webworms		
	Leafhoppers	Whiteflies		
		Yellownecked caterpillars		

Specimen Label

RECOMMENDED APPLICATIONS			
CROP	PEST	DOSAGE TEMPO 2	REMARKS
LANDSCAPE AND RECREATIONAL TURFGRASS (including home lawns, business and office complexes, shopping complexes, multi-family residential complexes, airports, cemeteries, parks, playgrounds and athletic fields, and other landscape turfgrass)	Ants Armyworms Crickets Cutworms Earwigs Grasshoppers	Japanese beetles (adult) Sod webworms Ticks (including deer tick)	Apply when pests first appear. Reapply when necessary based on pest reinfestations, not exceeding 6 applications per year. Delay watering or mowing for 24 hours for optimum control of armyworms, cutworms, and sod webworms. Keep children and pets off treated areas until grass has dried following the application. *Aids in control only.
	Bluegrass billbug (adult) Chinch bugs Chiggers Fire ants*	Fleas Hyperodes weevil (adult) Mole crickets Scorpions	

RESTRICTIONS FOR TURFGRASS APPLICATION

Do not apply this product by aerial application or by any type of chemigation system. Do not apply when the average windspeed is greater than 15 mph. Apply product using spray nozzles which produce a coarse droplet size, such as

flood jet nozzles. Do not apply when turfgrass areas are water-logged or the soil is saturated with water (i.e. will not accept irrigation). Use this product only as directed on label.

STORAGE AND DISPOSAL

Not for Storage in or Around the House

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

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

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

Storage: Store in cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed.

Store in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If the container is leaking invert to prevent leakage. If the container is leaking or material spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides above. In spill or leak incidents, keep unauthorized people away. You may contact the Bayer Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Bayer Kansas City Emergency Response Team Telephone No. is 800-414-0244 or contact Chemtrec at 800-424-9300.

Date of Draft: 09/12/96

Supersedes Draft Dated: 03/06/95

Reason to Issue: To add use on commercial landscape, recreational turf and ornamentals. Topprohibit use in aircraft cabins per PR Notice 96-3.

Bayer Corporation
 Garden & Professional Care
 Box 4913
 Kansas City, MO 64120-0013
 (800) 842-8020
<http://usagri.bayer.com>
 TE 9876 GPC Printed in U.S.A.

IMPORTANT

Before using this product, read and carefully observe directions, cautionary statements and other information appearing on the product packaging label. This product is sold subject to the Conditions of Sale set forth on the container label.





GROUP 27 HERBICIDE

PULL HERE TO OPEN ►

Tenacity®**syngenta®**

Herbicide

A herbicide for the selective contact and residual control of weeds in ornamental turfgrasses

Active Ingredient:

Mesotrione*	40.0%
-------------	-------

Other Ingredients:	60.0%
--------------------	-------

Total:	100.0%
---------------	---------------

Contains 4 lbs. of active ingredient mesotrione per gallon.

*CAS No. 104206-82-8

KEEP OUT OF REACH OF CHILDREN. CAUTION

See additional precautionary statements and directions for use in attached booklet.

EPA Reg. No. 100-1267

EPA Est. 72344-MO-004

**SCP 1267A-L3 1010
335128**

8 fl. oz. Net Contents

TM

4015-7471 02-04-11 SCP 01-02 (02-10-11)
Tenacity – 8 oz. booklet/base – Mech FPL
SCP 4015...

Print Size – Booklet: 4.75" wide X 2.75" high
Base: 7.5" wide X 2.75" high

Pantone colors: Black, PMS 349, PMS 368, PMS 542

No. of pages: 16

NOTES

FIRST AID	
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
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 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 mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.

FIRST AID (continued)	
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.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<p align="center"> HOTLINE NUMBER For 24 Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call 1-800-888-8372 </p>	

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Harmful if absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid contact with skin, eyes, or clothing.

Personal Protective Equipment (PPE)

Some materials that are chemical resistant to this product are listed below. If you want more options, follow the instructions for Category A on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves - Category A (e.g. barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinyl chloride (PVC), or Viton®)

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

Engineering Control Statements

When handlers use closed systems or enclosed cabs 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 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. Do not contaminate water when disposing of equipment wash water or rinsate.

Surface Water Advisory

This product may contaminate water through drift of spray in wind. This product has a high potential for runoff for several

weeks after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. A level, well maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential for contamination of water from runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours. Sound erosion control practices will reduce this product's contribution to surface water contamination.

Physical and Chemical Hazards

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

It is a violation to use this product in a manner inconsistent with labeling.

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

AGRICULTURAL USE REQUIREMENTS

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

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours. Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

continued...

AGRICULTURAL USE REQUIREMENTS *(continued)*

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Shoes plus socks
- Chemical-resistant gloves – Category A (e.g., barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinyl chloride (PVC), or viton)

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter treated areas without protective clothing until sprays have dried.

USE INFORMATION

Tenacity® is a systemic preemergence and postemergence herbicide for the selective contact and residual control of weeds in turfgrasses. When applied preemergence, weeds absorb Tenacity during emergence from the soil. Dry conditions following application may reduce the preemergence activity. If rainfall (0.15 inches) has not occurred within 10 days after a preemergence application, activate with 0.15 inches of irrigation. When used postemergence, susceptible weeds absorb Tenacity through foliar contact and soil absorption. Foliage of treated weeds cease growth after application, then turn white (loss of chlorophyll) and death may take up to three weeks. A repeat application is required after two to three weeks for improved postemergence weed control. A non-ionic surfactant should be added in postemergence applications.

Tenacity may cause temporary whitening of turfgrass foliage. In general, symptoms appear five to seven days after application and last for several weeks. A repeat application to the same site causes less whitening of the plant tissue.

Tenacity is an effective herbicide for weed control prior to or during seeding of certain turfgrasses during turf renovation (see section on use in **New Seedings**). If used preemergence in established turf, tank mixtures with preemergence herbicides such as Barricade® 65WG Herbicide are recommended for longer residual and broad spectrum weed control.

USE PRECAUTIONS AND RESTRICTIONS

- **Do not** apply more than 16 oz. of Tenacity per acre per year or per crop (equivalent to a maximum of 0.50 lb. of mesotrione per acre per year), whichever is shorter.
- **Do not** plant any crop other than turfgrass species for 18 months after the last application of Tenacity or injury may occur.
- **Do not** apply an organophosphate or carbamate insecticide within seven days of a Tenacity application as turf injury may occur.
- **Do not** apply through any type of irrigation system.
- **Do not** use aerial application to apply Tenacity.
- **Do not** use grass clippings from treated turf as mulch around trees or in vegetable/flower gardens.
- Residential Lawn Applications: Unless renovating and/or re-seeding the home lawn, avoid broadcast applications of Tenacity for pre and post-emergence weed control because undesirable whitening of some turfgrasses may occur.
- Tenacity has been tested in tank mixtures with Barricade 65WG Herbicide (prodiamine), Vanquish® (dicamba), Turflon® ester (triclopyr), Spotlight™ (fluroxypyr), Quicksilver™ (carfentrazone), Basagran® (bentazon), Princep® (simazine), and AAtrex® (atrazine) for safety and efficacy on turfgrasses. **Tenacity must be applied at reduced rates (4 fl. oz./A or less) if tank mixed with atrazine, bentazon or simazine.** Other tank mixture partners may be safe but have not been tested. Turf managers wanting to tank mix Tenacity with other herbicides should test on a small basis for compatibility, safety and efficacy before treating large areas. See product labels for directions and precautions.
- Bentgrass, *Poa annua*, kikuyugrass, zoysiagrass, seashore paspalum and bermudagrass are sensitive to Tenacity applications. Avoid spraying these turf types unless control and/or injury can be tolerated. Maintain a five foot buffer between treated areas and bentgrass or *Poa annua* greens.

- Clean sprayer thoroughly after an application of Tenacity if same equipment is used to apply products to bentgrass and bentgrass/*Poa annua* turf areas.
- To reduce movement into sensitive species such as bentgrass, keep people and pets off treated areas until spray has dried and irrigate lightly to move product from turf foliage before resuming normal irrigation.
- Avoid over-spray or drift of spray applications onto ornamentals or flower beds and gardens. Roses and daylilies are sensitive plant species.
- Avoid applications over the top of exposed roots of trees and ornamentals.

USE SITES

Tenacity may be used for weed control in turfgrass species listed on this label in commercial and residential sites. Use sites include non-crop areas: golf courses, sod farms, athletic fields, parks, residential and commercial properties, cemeteries, airports, and lawns. Do not use on golf course putting greens and maintain a five foot buffer between treated areas and putting greens.

TURFGRASS SPECIES

Tenacity has been tested on these species and found to be safe under trial conditions.

Species		Rate per Acre
Kentucky bluegrass	<i>Poa pratensis</i>	5-8 fl. oz.
Centipedegrass	<i>Eremochloa ophiuroides</i>	5-8 fl. oz.
Buffalograss	<i>Buchloe dactyloides</i>	5-8 fl. oz.
Tall fescue	<i>Festuca arundinacea</i>	5-8 fl. oz.
Perennial ryegrass*	<i>Lolium perenne</i>	5 fl. oz.
Fine fescue* (creeping red, chewings and hard)	<i>Festuca</i> spp.	5 fl. oz.
St. Augustinegrass* (grown for sod)	<i>Stenotaphrum secundatum</i>	4 fl. oz.

*See additional rate instructions below.

RESISTANCE MANAGEMENT

Tenacity is a Group 27 Herbicide (active ingredient is mesotrione, a HPPD inhibitor).

There is no known resistance to Tenacity and no known instances of cross-resistance between mesotrione (HPPD inhibitor – Group 27) and other classes of herbicides. To help prevent the development of resistance, do not apply less than the label recommendations and rotate to a herbicide with a different mode of action if the maximum number of applications or rate of product has been met or weeds are not being controlled.

WEEDS CONTROLLED

Common Name	Scientific Name	Pre-emergence ¹	Post-emergence ²
Barnyardgrass	<i>Echinochloa crusgalli</i>	Y	Y
Bentgrass, Creeping	<i>Agrostis stolonifera</i>	Y	Y
Bluegrass, Annual	<i>Poa annua</i>	Suppression	N
Buckhorn Plantain	<i>Plantago lanceolata</i>	Y	Y

Common Name	Scientific Name	Pre-emergence ¹	Post-emergence ²
Buttercup	<i>Ranunculus sardous</i>	.3	Y
Carpetweed	<i>Mollugo verticillata</i>	Y	Y
Chickweed, Common	<i>Stellaria media</i>	Y	Y
Chickweed, Mouseear	<i>Cerastium vulgatum</i>	Y	Y
Clover, Large Hop	<i>Trifolium aureum</i>	Y	Y
Clover, White	<i>Trifolium repens</i>	Y	Y
Crabgrass, Large	<i>Digitaria sanguinalis</i>	Y	Y ⁴
Crabgrass, Smooth	<i>Digitaria ischaemum</i>	Y	Y ⁴
Crabgrass, Southern	<i>Digitaria ciliaris</i>	Y	Y ⁴

continued...

WEEDS CONTROLLED (*continued*)

Common Name	Scientific Name	Pre-emergence ¹	Post-emergence ²
Curly dock	<i>Rumex crispus</i>	-	Y
Dandelion, Catsear	<i>Hypochoeris radicata</i>	-	Y
Dandelion, Common	<i>Taraxacum officinale</i>	-	Y
Florida Betony	<i>Stachys floridana</i>	-	Y
Florida Pusley	<i>Richardia scabra</i>	-	Y
Foxtail, Yellow	<i>Setaria glauca</i>	Y	Y
Galinsoga	<i>Galinsoga ciliata</i>	Y	Y
Goosegrass	<i>Eleusine indica</i>	-	Y ⁴
Ground Ivy	<i>Glechoma hederacea</i>	-	Y
Healall	<i>Prunella vulgaris</i>	-	Y

Common Name	Scientific Name	Pre-emergence ¹	Post-emergence ²
Henbit	<i>Lamium amplexicaule</i>	-	Y
Lambsquarters, Common	<i>Chenopodium album</i>	Y	Y
Lawn Burweed	<i>Soliva sessilis</i>	-	Y
Lovegrass, Tufted	<i>Eragrostis pectinacea</i>	-	Y
Marestail	<i>Conyza canadensis</i>	-	Y
Nimblewill	<i>Muhlenbergia schreberi</i>	-	Y
Nutsedge, Yellow	<i>Cyperus esculentus</i>	-	Y
Oxalis	<i>Oxalis stricta</i>	-	Y
Pigweed, Redroot	<i>Amaranthus retroflexus</i>	Y	Y

Common Name	Scientific Name	Pre-emergence ¹	Post-emergence ²
Pigweed, Smooth	<i>Amaranthus hybridus</i>	Y	Y
Purslane, Common	<i>Portulaca oleracea</i>	Y	Y
Shepherd's purse	<i>Capsella bursa-pastoris</i>	Y	Y
Smartweed, Pale	<i>Polygonum lapathifolium</i>	Y	Y
Smartweed, Pennsylvania	<i>Polygonum pensylvanicum</i>	Y	Y
Speedwell, Persian	<i>Veronica persica</i>	Y	-
Speedwell, Purslane	<i>Veronica peregrina</i>	Y	-
Sowthistle	<i>Sonchus oleraceus</i>	-	Y
Swinecress	<i>Coronopus didymus</i>	-	Y

Common Name	Scientific Name	Pre-emergence ¹	Post-emergence ²
Thistle, Canada	<i>Cirsium arvense</i>	-	Y
Verbena	<i>Verbena hastata</i>	-	Y
Wild Carrot	<i>Daucus carota</i>	Y	Y
Wild Violet	<i>Viola pratincola</i>	-	Y
Windmillgrass	<i>Chloris verticillata</i>	-	Y

¹For broad spectrum preemergence activity apply with a grass preemergence herbicide such as Barricade 65WG Herbicide, except when used for weed control in new seedings.

²Weed control with postemergence applications require a second application after 2 to 3 weeks. Apply to young, actively growing weeds with a NIS type surfactant.

³" - " Not tested.

⁴For best postemergence control, apply to less than 4 tiller crab-grass and goosegrass.

APPLICATION INFORMATION

Please read and understand the **USE PRECAUTIONS AND RESTRICTIONS** under the **USE INFORMATION** section above prior to making applications.

Preemergence Application - Apply Tenacity at 4-8 fl. oz. per acre in at least 30 gallons of water per acre prior to weed seed germination. Do not exceed 5 fl. oz. per acre per application to perennial ryegrass or fine fescues or mixed stands that contain greater than 50% perennial ryegrass and/or fine fescue. Do not exceed 4 fl. oz. per acre to St. Augustinegrass sod. Make application close to anticipated weed seed germination. Tenacity should be combined with a preemergence herbicide such as Barricade 65WG Herbicide for extended control of key annual monocot weeds such as crabgrass and foxtail. In established turf, Tenacity is more effective as a postemergence application unless combined with another soil active herbicide.

New Seedings/New Lawn Establishment - Apply Tenacity at 5-8 fl. oz. per acre in at least 30 gallons of water per acre prior to seeding or post seeding of tolerant turfgrass species listed on this label, **except fine fescue**. Tenacity may reduce density of fine fescue seedings. Tenacity can be used on grass seed blends that contain less than 20% by weight of hard or fine fescue.

Tenacity will control many monocot and dicot weeds that compete with and slow the establishment of the turfgrass stands. Apply at grass seeding or close to seeding for best performance. Avoid spraying on newly germinated turfgrass plants. Wait until the newly germinated turf has been mowed two times or four weeks after emergence (whichever is longer) before making a postemergence application.

Postemergence Application - Apply Tenacity at 4-8 fl. oz. per acre in at least 30 gallons of water per acre. Apply with a NIS type surfactant. A repeat application at two to three weeks may be required for adequate weed control. Weed control is most effective on young, actively growing weeds. Efficacy will be reduced under moisture stress or from applications to mature weeds.

Control of bentgrass (*Agrostis* spp.) and nimblewill (*Muhlenbergia schreberi*) - Apply Tenacity at 5 fl. oz. per acre in at least 30 gallons of water per acre at two to three week interval for up to three applications. Apply with a NIS surfactant. Bentgrass control may be more effective in the late summer/early fall just prior to onset of renewed bentgrass growth, than spring/early summer applications.

St. Augustinegrass (sod uses only) and Centipedegrass, if Tenacity is tank mixed with AAtrex (atrazine) or Princep (simazine) do not exceed 4 fl. oz. of Tenacity and 0.5 lb. active ingredient per acre of atrazine or simazine. Apply combination to established turf only. See AAtrex and Princep labels for restrictions.

Dormant bermudagrass applications only – Apply Tenacity at 5 fl. oz./A to control winter weeds (listed in the **WEEDS CONTROLLED** Table) on dormant bermudagrass. Repeat application in 2 to 3 weeks. Applications made to semi-dormant turf will cause whitening of the bermudagrass.

Spot Application of Tenacity (apply at 1 gallon per 1000 sq. ft.)

Spray Mix	Rate of Tenacity (teaspoons)	NIS adjuvant (teaspoons)
2 gal	1	3

Do not apply more than 16 oz. of Tenacity per acre per year or per crop (equivalent to a maximum of 0.50 lb. of mesotrione per acre per year), whichever is shorter.

STORAGE AND DISPOSAL

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

Pesticide Storage

Keep container tightly closed when not in use. Do not store near seed, fertilizers, or foodstuffs. Can be stored at temperatures as low as -20°F. Keep away from heat and flame.

Pesticide Disposal

Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Container Handling

Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or mix tank or store rinsate for later use and 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 incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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 must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, Inc. or Seller. To the extent permitted by applicable law, Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. To the extent permitted by applicable law: (1) this warranty does not extend to the use of this product contrary to label instructions or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and (2) Buyer and User assume the risk of any such use. To the extent permitted by applicable law, SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.

To the extent permitted by applicable law, in no event shall SYNGENTA be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA 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 SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

AAtrex®, Barricade®, Princep®, Tenacity®, Vanquish®, the ALLIANCE FRAME the SYNGENTA Logo and the PURPOSE ICON are Trademarks of a Syngenta Group Company
Basagran® trademark of BASF AG
Quicksilver™ trademark of FMC Corporation
Turfion® Ester and Spotlight™ are trademarks of Dow AgroSciences LLC

Viton® is a trademark of E.I. du Pont de Nemours and Co., Inc.
©2011 Syngenta

For non-emergency (e.g. current product information) call
Syngenta Crop Protection at 1-800-334-9481.

Manufactured for:
Syngenta Crop Protection, LLC
P.O. Box 18300
Greensboro, North Carolina 27419-8300

**SCP 1267A-L3 1010
335128**

NOTES

GROUP 27 HERBICIDE



Herbicide

A herbicide for the selective contact and residual control of weeds in ornamental turfgrasses

Active Ingredient:

Mesotrione* 40.0%

Other Ingredients: 60.0%

Total: 100.0%

Contains 4 lbs. of active ingredient mesotrione per gallon.

*CAS No. 104206-82-8

EPA Reg. No. 100-1267 EPA Est. 72344-MO-004

Tenacity® and the Syngenta logo are trademarks of a Syngenta Group Company

©2011 Syngenta

Manufactured for: Syngenta Crop Protection, LLC

P.O. Box 18300, Greensboro, NC 27419-8300

SCP 1267A-L3 1010

335128

8 fl. oz. Net Contents

KEEP OUT OF REACH OF CHILDREN. CAUTION

See precautionary statements and directions for use in booklet.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

FIRST AID: If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. **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. **If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice. **If swallowed:** 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. Have the product

container or label with you when calling a poison control center or doctor, or going for treatment. **HOTLINE NUMBER:** For 24 Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call 1-800-888-8372.

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION

Harmful if absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid contact with skin, eyes, or 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. Do not contaminate water when disposing of equipment wash water or rinsate.

Surface Water Advisory: This product may contaminate water through drift of spray in wind. This product has a high potential for runoff for several weeks after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. A level, well maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential for contamination of water from runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours. Sound erosion control practices will reduce this product's contribution to surface water contamination.

Physical and Chemical Hazards: Do not use or store near heat or open flame.

STORAGE AND DISPOSAL

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

Pesticide Storage – Keep container tightly closed when not in use. Do not store near seed, fertilizers, or foodstuffs. Can be stored at temperatures as low as -20°F. Keep away from heat and flame.

Pesticide Disposal – Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Container Handling – Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or mix tank or store rinsate for later use and 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 incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

syngenta®

LESCO®

Three-Way™

Selective Herbicide

Selective Broadleaf Weed Control For Turfgrasses including for use on Sod Farms.
Controls Dandelion, Clover, Henbit, Plantains, Wild Onion, and Many Other Broadleaf Weeds.
Also for Highways, Rights-of-Way and Other Similar Non-Crop Areas.

FOR USE BY PROFESSIONAL TURF MAINTENANCE PERSONNEL, LANDSCAPING OR
COMMERCIAL APPLICATORS ONLY. NOT FOR SALE TO OR USE BY HOMEOWNERS.

(Contains 2,4-D, Mecoprop-p and Dicamba)

KEEP FROM FREEZING

ACTIVE INGREDIENTS:

Dimethylamine Salt of 2,4-Dichlorophenoxyacetic Acid* 30.56%
Dimethylamine Salt of (+)-R-2-(2-Methyl-4-Chlorophenoxy)propionic Acid** 8.17%
Dimethylamine Salt of Dicamba (3,6-Dichloro-o-anisic Acid)*** 2.77%

OTHER INGREDIENTS: 58.50%
TOTAL 100.00%

Isomer Specific AOAC Method, Equivalent to:

* 2,4-Dichlorophenoxyacetic Acid 25.38%, 2.381 lbs./gal.
** (+)-R-2-(2-Methyl-4-Chlorophenoxy)propionic Acid 6.75%, 0.633 lbs./gal.
*** 3,6-Dichloro-o-anisic Acid 2.30%, 0.216 lbs./gal.

CONTAINS THE SINGLE ISOMER FORM OF MECOPROP-P

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:	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 swallowed:	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:	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
If on skin or clothing:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact CHEMTREC 800-424-9300 for emergency medical treatment information.

SEE INSIDE FOR ADDITIONAL PRECAUTIONARY STATEMENTS

#069370
NET CONTENTS: 1 gal (3.78 L)

TM

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER - PELIGRO: Corrosive, causes irreversible eye damage. Do not get in eyes, or on skin or clothing. Avoid inhalation of spray mists. Harmful if swallowed, inhaled or absorbed through skin. Remove saturated clothing as soon as possible and shower. *(If container is more than 1 gallon and less than 5 gallons)* Persons engaged in open pouring of this product must also wear coveralls or a chemical resistant apron. *(If container is 5 Gallons or more in capacity)* Do not open pour product from this container. A mechanical system (such as a probe and pump or spigot) must be used for transferring the contents of this container. If the contents of a non-refillable pesticide container are emptied, the probe must be rinsed before removal.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

NON-WPS TURF USES: Applicators and other handlers who handle this pesticide for any use NOT covered by the Worker Protection Standard (40 CFR Part 170) - in general only agricultural plant uses are covered by the WPS - must wear face shield, goggles, or safety glasses and long pants, long-sleeved shirt, socks, shoes and rubber gloves when mixing, loading or applying this product. It is recommended that safety glasses include front, brow, and temple protection. In addition to the clothing and eye protection listed above, commercial mixer/loaders must wear chemical resistant in place of rubber gloves except when the product is to be applied to a golf course. After using this product, rinse gloves before removing, remove clothing and launder separately before reuse, and promptly and thoroughly wash hands and exposed skin with soap and water.

NON-WPS INDUSTRIAL USES: When mixing, loading or applying this product or repairing or cleaning equipment used with this product, wear face shield, goggles, or safety glasses and chemical resistant gloves, long-sleeved shirt, long pants, socks and shoes. It is recommended that safety glasses include front, brow, and temple protection. For aerial applicators in an enclosed cockpit and applicators applying this product from a tractor that has a completely enclosed cab, eye protection is not required. Wash hands, face and arms with soap and water as soon as possible after mixing, loading or applying this product. After work, remove all clothing and shower using soap and water. Do not reuse clothing worn during the previous day's mixing and loading or application of this product without cleaning first. Clothing must be kept and washed separately from other household laundry.

WPS USES: Applicators and other handlers who handle this pesticide for any use covered by the Worker Protection Standard (40 CFR Part 170) - in general, agricultural plant uses are covered - must wear: coveralls over short-sleeved shirt and short pants, waterproof gloves, chemical-resistant footwear plus socks, protective eyewear, chemical-resistant headgear for overhead exposure and chemical-resistant apron when cleaning equipment, mixing or loading. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. DO NOT reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. After each day or use, clothing or PPE must not be reused until it has been cleaned. *(If container is more than 1 gallon and less than 5 gallons):* Mixers and loaders who do not use a mechanical system (such as a probe and pump or spigot) to transfer contents of this container must also wear coveralls or a chemical resistant apron in addition to the other required PPE.

(If container is 5 gallons or more in capacity) **Engineering Controls Statements:** Do not open pour product from this container. A mechanical system (such as a probe and pump or spigot) must be used for transferring the contents of this container. If the contents of the non-refillable pesticide container are emptied, the probe must be rinsed before removal. If the mechanical system is used 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.

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

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and nontarget plants. 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 target area. Clean and rinse spray equipment using soap or detergent and water, and rinse thoroughly before reuse for other spraying. When cleaning equipment, do not pour the washwater on the ground; spray or drain over a large area away from wells and other water sources. Do not contaminate water when disposing of equipment washwaters. Do not apply this product through any type of irrigation system. Do not contaminate domestic or irrigation waters.

Most cases of groundwater contamination involving phenoxy herbicides, such as 2,4-D and MCPP, have been associated with mixing/loading and disposal sites. Caution should be exercised when handling these herbicides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing or transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

DIRECTIONS FOR USE

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

READ ENTIRE LABEL BEFORE USING THIS PRODUCT. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.

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

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about Personal Protective Equipment (PPE) and restricted-entry interval (REI). The requirements in this box apply only 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.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls over short-sleeved shirt and short pants, waterproof gloves, chemical-resistant footwear plus socks, protective eyewear, chemical-resistant headgear for overhead exposure.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. For Turf use, the maximum number of broadcast applications per treatment site is 2 per year.

Do not allow people (other than applicator) or pets on treatment area during application.

Do not enter treated areas until sprays have dried.

LESCO® THREE-WAY SELECTIVE HERBICIDE is for use on Lawns, Turf, Sod Farms, Golf Courses (Fairways, Aprons, Tees and Roughs), Parks, Cemeteries and similar non-crop areas.

Apply as a foliar spray when weeds are young and actively growing. It may be necessary to make a second application (spring and fall) to kill certain hard-to-kill weeds such as poison ivy, poison oak, and English daisy. Weeds that start growing in the fall, such as henbit and chickweed, may be controlled more effectively with a fall application. Where advisable, for best spray coverage, LESCO® Spreader Sticker may be added to the spray solution as directed.

USE PRECAUTIONS

Avoid mist to vegetables, flowers, ornamentals, shrubs, trees, and other desirable plants. Do not pour spray solutions near these plants. Do not spray on carpetgrass, dichondra nor on lawns or turf where desirable clovers are present. Avoid fine mists. Except as noted, use only lawn-type sprayers. Coarse sprays are less likely to "wind-drift". Use coarse spray droplets. Do not spray roots of ornamentals and trees. Do not exceed specified dosages for any area; be particularly careful within the dripline of trees and other species. Do not apply to newly seeded grasses until well established. Do not spray when air temperature exceeds 90°F. Avoid applying during excessively dry or hot periods unless irrigation is used. For optimum results: (1) turf should not be mowed for 1 to 2 days before and after application; (2) do not apply if rainfall is expected within 48 hours; nor should lawns be irrigated (watered) for 48 hours following application. Reseed no sooner than three to four weeks after application of this product. Failure to observe all precautions may result in injury to turf and/or susceptible plants.

LESCO® THREE-WAY SELECTIVE HERBICIDE can be mixed with some liquid fertilizers or liquid iron materials. Because liquid fertilizer and liquid iron differ in pH, free ammonia content, density, salt concentration and percentage of water, a compatibility test is recommended prior to mixing in application equipment. All regulations, either State or Federal, relating to the application of liquid fertilizers or liquid iron and this product must be strictly followed.

WEEDS CONTROLLED

Bedstraw	Ground Ivy	Pigweed	Spurge
Black Medic	Heal-All	Plaintain	Wild carrot
Buckthorn	Henbit	Poison Ivy	Wild garlic
Burdock	Knotweed	Poison Oak	Wild lettuce
Chicory	Lambsquarter	Purslane	Wild onion
Chickweed	Lespedeza	Ragweed	Yarrow
Clover	Mallow	Sheep Sorrel	
Dandelion	Morning Glory	Shepherd's Purse	and many other broadleaf
Dock	Peppergrass	Speedwell	weeds.

ORNAMENTAL LAWNS & TURF

APPLICATIONS	RATES	COMMENTS
<u>Cool Season Grasses</u> such as: Bluegrass Fescue Rye	3 to 4 pints per acre (1.1 to 1.5 fl oz/1,000 sq ft)	For Normal Application, use 40 to 80 gallons of water per acre. (1 to 2 gallons of water per 1,000 square feet.) For Professional Lawn Maintenance, use 1 to 5 gallons of water per 1,000 square feet. Higher water volumes may be used when tank-mixed with a turf fertilizer. Follow fertilizer labels for proper amounts to add.
<u>Warm Season Grasses</u> St. Augustine Bahia Common Bermuda Centipede Zoysia grass	2 to 2-1/2 pints per acre (0.75 to 0.9 fl oz/1,000 sq ft)	Use 40 to 200 gallons of water per acre (1 to 5 gallons of water per 1,000 square feet). Use reduced rates if grass is stressed from heat or drought. Exercise care when applying during growth stages from dormancy to green-up and from green-up to dormancy. Some temporary discoloration may occur on warm season grasses. NOTE: If Bermudagrass is dormant, up to 4 pints per acre may be used (1.5 fl oz/1,000 sq ft). However, some hybrid Bermuda grasses may be sensitive to this product. Contact your local extension service weed control specialist.

NOTE: Care should be taken to avoid overdosing St. Augustine and Centipede grasses or injury may result. Large volumes of spray water (i.e. one fluid ounce in 5 gallons of water per 1,500 square feet) will aid in obtaining uniform coverage. If hand-type sprayers are used, it is preferable to use a single nozzle sprayer rather than a multiple nozzle boom as sideways application with a boom where the spray from more than one nozzle is allowed to fall on the same area will result in heavy local over-application and subsequent turf discoloration or injury.

NON-TURF AREAS

Roadsides (including aprons and guardrails), rights-of-way, and other similar non-crop areas: For control of broadleaf weeds, mix at a rate of 1/3 to 1 gallon of LESCO® Three-Way Selective Herbicide per 50 to 300 gallons of water. This mixture will cover about one acre (43,500 sq ft). Thoroughly saturate all weeds with spray mixture. Apply any time between the time when plants come into full leaf (Spring) to when the plants begin to go dormant. Best results are obtained when weeds are young and actively growing. Do not cut weeds until herbicide has translocated throughout the plant causing root death. For small broadleaf weeds, use the lower rate. Heavy, dense stands require the higher rate with high water volume. For small (spot) applications with small tank sprayer, apply at the rate of 4 fl oz of Three-Way Selective Herbicide per gallon of water and spray to thoroughly wet all foliage.

For control of woody plants, apply to both stems and foliage any time from the time foliage is completely matured until the time plants start to go dormant. All leaves, stems and suckers must be completely wet to the ground line for effective control. Regrowth may be anticipated on the more resistant species. Add 1 to 1-1/2 gallons of Three-Way Selective Herbicide to 100 gallons of water applying 200 to 600 gallons of spray mixture per 43,500 sq ft depending upon the height and thickness of the brush. Mix thoroughly before spraying.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store product in its original labeled container in a cool, dry, locked place, out of reach of children. Store away from seeds, feeds, fertilizers, insecticides, and fungicides. Keep from freezing.

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

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

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

CONDITION 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 must be followed carefully and completely. It is impossible to eliminate all risks inherently associated with the use of this product. To the extent consistent with applicable law, Buyer and/or User assume all risks of ineffectiveness or other unintended consequences or damages that may result from conditions outside or beyond the control of LESCO, Inc. including but not limited to, such factors as manner of use or application, weather or weather conditions outside the range considered normal at the application site or for the time period in which the product is applied, the, presence of other materials, incompatible products, or other influencing factors which are beyond the control of LESCO, Inc.. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and/or User, and Buyer and/or User agrees to hold LESCO, Inc. harmless for any claims relating to such factors.

LESCO, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with the Directions for Use under normal use conditions. To the extent consistent with applicable law, this warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions

or under conditions not reasonably foreseeable to or beyond the control of LESCO, Inc. and Buyer and/or User assume the risk of any such use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, LESCO, INC. MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE BUYER AND/OR USER AND THE EXCLUSIVE LIABILITY OF LESCO, INC. 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 LESCO, INC. REPLACEMENT OF THE PRODUCT, OR IF NOT ACQUIRED BY PURCHASE, REPLACEMENT OF SUCH QUANTITY. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL LESCO, Inc., BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES.

LESCO, Inc. offers this product, and Buyer and/or User accepts it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of LESCO, Inc.

(073101)

Rev. 6/5/07 JO

LESCO[®] THREE-WAY[™] Selective Herbicide

ACTIVE INGREDIENTS:

Dimethylamine Salt of 2,4-Dichlorophenoxyacetic Acid*	30.56%
Dimethylamine Salt of (+)-R-2-(2-Methyl-4-Chlorophenoxy)propionic Acid**	8.17%
Dimethylamine Salt of Dicamba (3,6-Dichloro-o-anisic Acid)***	2.77%

OTHER INGREDIENTS:

TOTAL:	58.50%
	100.00%

Isomer Specific AOAC Method, Equivalent to:

*2,4-Dichlorophenoxyacetic Acid	25.38%, 2.381 lbs./gal
**(+)-R-2-(2-Methyl-4-Chlorophenoxy)propionic Acid	6.75%, 0.633 lbs./gal
***3,6-Dichloro-o-anisic Acid	2.30%, 0.216 lbs./gal

CONTAINS THE SINGLE ISOMER FORM OF MECOPROP-p

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.)

SEE ATTACHED BOOKLET FOR ADDITIONAL PRECAUTIONARY STATEMENTS

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER - PELIGRO: Corrosive, causes irreversible eye damage. Do not get in eyes, or on skin or clothing. Avoid inhalation of spray mists. Harmful if swallowed, inhaled or absorbed through skin. Remove saturated clothing as soon as possible and shower. (If container is more than 1 gallon and less than 5 gallons) Persons engaged in open pouring of this product must also wear coveralls or a chemical resistant apron. (If container is 5 Gallons or more in capacity) Do not open pour product from this container. A mechanical system (such as a probe and pump or spigot) must be used for transferring the contents of this container. If the contents of a non-refillable pesticide container are emptied, the probe must be rinsed before removal.

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.
If swallowed:	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:	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
If on skin or clothing:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact CHEMTREC 800-424-9300 for emergency medical treatment information.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and nontarget plants. 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 target area. Clean and rinse spray equipment using soap or detergent and water, and rinse thoroughly before reuse for other spraying. When cleaning

equipment, do not pour the washwater on the ground; spray or drain over a large area away from wells and other water sources. Do not contaminate water when disposing of equipment washwaters. Do not apply this product through any type of irrigation system. Do not contaminate domestic or irrigation waters.

Most cases of groundwater contamination involving phenoxy herbicides, such as 2,4-D and MCPP, have been associated with mixing/loading and disposal sites. Caution should be exercised when handling these herbicides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing or transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store product in its original labeled container in a cool, dry, locked place, out of reach of children. Store away from seeds, feeds, fertilizers, insecticide, and fungicides. Keep from freezing.

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

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

EPA REG.NO. 10404-43 • EPA EST. NO. 228-IL-1

DISTRIBUTED BY:

LESCO, INC., 1301 EAST 9TH STREET
CLEVELAND, OH 44114-1849

LESCO is a registered trademark of LESCO Technologies, LLC. THREE-WAY and the sweeping design are trademarks of LESCO Technologies, LLC. Herbi is a trademark of North American Micron.

PULL HERE TO OPEN
PRESS TO RESEAL

331073

(073101) Rev. 6/5/07