2217-570 23 UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

16:0

Mr. James A. Armbruster, Ph.D. PBI/Gordon Corporation 1217 West 12th Street P.O. Box 4090 Kansas City, Missouri 64101-1407

5 1995 MAY

Dear Dr. Armbruster:

SUBJECT: Label Amendment

Gordon's Trimec St. Augustine Grass Broadleaf Herbicide

EPA Registration No. 2217-570

Your Application Dated March 29, 1995, as Amended

on April 26, 1995

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable provided you correct the errors noted in EPA's previous March 31, 1995 letter to you.

A stamped copy of the label is enclosed for your records. Please submit (one) final printed copy for the above mentioned label before releasing the product for shipment.

Sincerely yours,

Joanne I. Miller Product Manager (23) Fungicide-Herbicide Branch Registration Division (7505C)

Enclosure

RD:STANTON:PM Team 23:Rm. 235:305-5218:Disk #1:S484730.LET

CONCURRENCES SYMBOL > 7505C SURNAME > S. Stanton May 4, 1995

EPA Form 1320-1 (12-70) OFFICIAL FILE COPY

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GORDON'S TRIMEC ST. AUGUSTINEGRASS BROADLEAF HERBICIDE

ACTIVE INGREDIENTS:

* Dimethylamine Salt of 2-(2-methyl-4-chlorophenoxy) propionic acid	10.60%
** Dimethylamine Salt of 2,4-Dichlorophenoxyacetic acid	3.05%
*** Dimethylamine Salt of Dicamba (3,6-dichloro-o-anisic acid)	1.30%
INERT INGREDIENTS	<u>85.05%</u>
TOTAL	100.00%

THIS PRODUCT CONTAINS:

*0.75 lb. 2-(2-methyl-4-chlorophenexy) propionic acid equivalent per gallon or 8.76%

**0.22 lb. 2,4-Dichlorophenoxyacetic acid equivalent per gallon or 2.53%

***0.093 lb. 3,6-dichloro-o-anisic acid equivalent per gallon or 1.08% Isomer Specific by AOAC Method 6.DO1-5.

TRIMEC[®] is a registered trademark of PBI/GORDON CORPORATION.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See side panels for additional Precautionary Statements.

NET CONTENTS [ONE PINT, ONE QUART, or ONE U.S. GALLON]

880/ APXXXXX EPA REG. NO. 2217-570 EPA EST. NO. 2217-KS-1

Mfd. by PBI/GORDON CORPORATION KANSAS CITY, MISSOURI 64101

ACCEPTED
with COMMENTS
In EPA Letter Dated

MAY 5 1000 Under the Federal Insecticide. Fundicide, and Rodenticide Act as amended, for the peaticide registered under EPA Reg. No. 2217-570

STOP! READ THE ENTIRE LABEL FIRST. OBSERVE ALL PRECAUTIONS AND FOLLOW DIRECTIONS CAREFULLY.

PRECAUTIONARY STATEMENTS

Hazards to Humans & Domestic Animals:

CAUTION: Harmful if swallowed. Avoid contact with eyes, skin or clothing. Wear face shield or goggles when mixing, loading or applying this product. When using this product, wear long-sleeved shirt, long pants, socks, shoes and rubber gloves.

Personal Hygiene Statements:

After using this product, runse gloves before removing, remove clothing and launder separately before reuse, and promptly and thoroughly wash hands and exposed skin with soap and water. Remove saturated clothing as soon as possible and shower.

Statement of Practical Treatment First Aid

In case of eye contact: Immediately flush eyes with plenty of water. If imitation develops, get medical attention.

In case of skin contact: Thoroughly wash hands and exposed skin with soap and water. If irritation develops, get medical attraction.

ENVIRONMENTAL HA. ARDS: This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and nontarget plants. 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. Do not apply when weather conditions favor drift from target area.

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.

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 2,4-D and MCPP pesticides 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.

[OPTION I. Directions For Use Permitted to the Acme Division of PBI/Gordon Corporation.]

DIRECTIONS FOR USE

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

Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment areas until spray has dried or dust has settled

STORAGE & DISPOSAL

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

STORAGE: Store in original container in a locked storage area inaccessible to children or pets. 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 of 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.

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OTHER USE PRECAUTIONS:

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

Do not allow spray to drift onto vegetables, flowers, ornamental plants, shrubs, trees and other desirable plants since injury may result. Do not pour spray solutions near these plants.

Whether using a hose-end sprayer or pressure-sprayer, do not use fine sprays because they can drift and cause damage to non-target plants. Coarse spray droplets are less likely to wind-drift. Use only lawn-type sprayers.

Do not spray on carpetgrass, dichondra, nor on lawns or turf where desirable clovers are present. Do not spray roots of trees and ornamentals. Do not exceed specified dosages for any area; be particularly careful with dripline of trees and other ornamental species.

Avoid spraying St. Augustinegrass when temperature is above 90°F and under conditions of high humidity. Under these conditions, some slight temporary discoloration of the St. Augustinegrass foliage may occur. This product may be injurious to St. Augustinegrass, bentgrass and centipedegrass in cases of accidental overdose.

WHAT IT IS, WHERE & HOW TO USE IT:

Gordon's Trimec[®] St. Augustinegrass Broadleaf Herbicide is a TRIMEC[®] turf herbicide formulation, a combination of three proven weed killers: 2,4-D, mecoprop and dicamba. Together, they control a wide range of broadleaf lawn weeds. This particular formulation is low in 2,4-D for maximum safety to 2,4-D sensitive grasses such as St. Augustinegrass, bentgrass and buffalograss. Spraying should be done when broadleaf weeds are small and tender for best results.

The maximum application rate to turf is 0.4 pounds 2,4-D acid equivalent per acre per application per site. The maximum number of broadcast applications per treatment site is 2 per year.

- 1. Irrigate the lawn 2 or 3 days prior to spraying. Do not spray lawns under drought conditions.
- 2. Do not water for 24 hours after treatment.
- 3. To avoid damage do not apply to St. Augustinegrass or centipedegrass while emerging from winter dormancy. Also, damage may occur to these grasses if temperatures drop below 45°F within 72 hours of application.

ST. AUGUSTINEGRASS, BENTGRASS & BUFFALOGRASS: Mix 1 fluid ounce in 1 gallon water and uniformly spray 400 square feet. If necessary, repeat treatment in 2 to 3 weeks if hard-to-kill weeds persist. Do not use on Floratam or other improved varieties of St. Augustinegrass in Florida.

BERMUDAGRASS, BAHIAGRASS, BLUEGRASS, CENTIPEDEGRASS, FESCUES & RYEGRASS: Mix 1 ½ fluid ounces in 1 gallon water and uniformly spray over 400 square feet. On hard-to-kill species, or on older weeds, mix 2 fluid ounces in 1 gallon water and spray on 400 square feet.

-WEEDS -					
Bedstraw	Dock	Mustard	Speedwell		
Black Medic	Galinsoga	Oxalis	Tansy Mustard		
Buckhorn	Ground Ivy	Peppergrass	Thistle		
Bull Thistle	Hawkweed	Pigweed	Spurge 🔍		
Burdock	Heal-All	Plantain	Velvetleaf		
Buttercup	Henbit	Poison Ivy	Wild Carrot		
Chicory	Knotweed	Poison Oak	Wild Garlic		
Chickweed	Lambsquarters	Purslane	Wild Lettuce		
Clover	Lespedeza	Ragweed	Wild Onion		
Cocklebur	Mallow	Sheep Sorrel	Yarrow and pther ,		
Dandelion	Morningglory	Shepherdspurse	broadleaf weeds		

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SUPPLEMENTAL LABELING FOR DIFFERENT BRANDS, TYPES, OR SIZES OF HOSE-END APPLICATORS.

See primary label on container for Precautionary Statements, the Statement of Practical Treatment, and Full Directions For Use.

A. (INSERT BRAND NAME) HOSE-END SPRAYER INSTRUCTIONS: Use a hose-end sprayer designed for lawns. Put recommended amount of product (Column 1) in bottle and add water to indicated level (Column 2) and apply spray uniformly to area indicated (Column 3).

For Bluegrass, Fescues, Perennial Ryegrass, Bermudagrass, Bahiagrass, Centipedegrass:

Product	Amount to Use:	Water Fill Bottle to:	Area to Treat:
(Tbsp)	(Fluid Ounces)	(Gallons)	(Square Feet)
8	4	8	1000
16	8	16	2000
24	12	24	3000
32	16	32	4000

For St. Augustinegrass, Bentgrass and Buffalograss:

Product Amount to Use:		Water Fill Bottle to:	Area to Treat:
(Tbsp)	(Fluid Ounces)	(Galions)	(Square Feet)
5.0	2.5	5.0	1000
10.0	5.0	10.0	2000
15.0	7.5	15.0	3000
20.0	10.0	20.0	4000
25.0	12.5	25.0	5000

B. (INSERT BRAND NAME) HOSE-END SPRAYER INSTRUCTIONS: Use a hose-end sprayer designed for lawns. Put recommended amount of product (Column 1) in bottle and add water to indicated level (Column 2) and apply spray uniformly to area indicated (Column 3).

For Bluegrass, Fescues, Perennial Ryegrass, Bermudagrass, Bahiagrass, Centipedegrass:

Product Amount to Use:	Water Fill Bottle to:	Area to Treat:
(Fluid Ounces)	(Gallons)	(Square Feet)
1 1/2	1	400
3	2	800
6	4	1600
9	6	2400

For St. Augustinegrass, Bentgrass and Buffalograss

Product Amount to Use:	Water Fill Boltle to:	Area to Treat:
(Fluid Ounces)	(Gallons)	(Square Feet)
1	1	400
2	2	800
4	4	1600
6	6	2400

[OPTION II. Proposed Directions For Use for the Solaris Group of Monsanto Company. This supplemental product registration will be intended for use by homeowners only on ornamental lawns and turfgrass established in residential sites.]

DIRECTIONS FOR USE

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

Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment areas until spray has dried-or dust has settled.

STORAGE & DISPOSAL

STORAGE: Store in original container in a locked storage area inaccessible to children or pets. Keep from freezing.

PESTICIDE DISPOSAL: Securely wrap original container in several layers of newspaper and discard in trash.

CONTAINER DISPOSAL: Do not reuse container (bottle, can, jar). Rinse thoroughly before discarding in trash.

WHAT IT IS: Gordon's Trimec⁶ St. Augustinegrass Broadleaf Herbicide is a Trimec⁶ turf herbicide formulation, a combination of three proven weed killers 2,4-D, mecoprop and dicamba Together, they control a wide range of broadleaf lawn weeds in residential lawns.

Gordon's Trimec[®] St. Augustinegrass Broadleaf Herbicide kills all major northern and southern broadleaf lawn weeds such as dandelion, chickweed, knotweed, plantains in lawns without harming lawn grasses. Other weeds include the following.

- WEEDS -					
Bedstraw	Cinquefoil	Lespedeza	Ragweed		
Beggarweed	Clover	Mallow	Sheep Sorrel		
Bindweed	Cocklebur	Matchweed	Shepherdspurse		
Bittercress	Dandelion	Morningglory	Speedwell :		
Black Medic	Dock	Mustard	Tansy Mustard		
Buckhorn	English daisy	Oxalis	Thistle		
Bull Thistle	Galinsoga	Pennywort	Spurge		
Burdock	Geranium	Peppergrass	Velvetleaf 🚅 🛅		
Burweed	Ground Ivy	Pigweed	Wild Carrot		
Buttercup	Hawkweed	Plantain	Wild Garlic		
Buttonweed	Heal-Ali	Poison Ivy	Wild Lettuce		
Carpetweed	Henbit	Poison Oak	Wild Onion		
Catsear	Knawel	Prickly lettuce	Yarrow and other		
Chicory	Knotweed	Purslane	broadleaf weeds		
Chickweed	Lambsquarters		• • •		

WHERE TO USE: Gordon's Trimec* St. Augustinegrass Broadleaf Herbicide is intended for use on most ornamental lawns including. Kentucky bluegrass, perennial ryegrass, fescues, bermudagrass, bahiagrass, bentgrass, buffalograss, centipedegrass, and St. Augustinegrass.

 Do not use this product on Floratam, carpetgrass, dichondra, or lawns containing desirable clovers. Do not spray roots of trees and ornamentals.

HOW TO TIPS:

- Spray when broadleaf weeds are small and actively growing for best results.
- Be sure lawn is well-watered. If dry, water 1 to 2 days before spraying. To reduce risk of lawn injury, avoid spraying drought stressed lawns or when temperatures are above 90°F.
- Spray when air is calm to avoid spray drift onto landscape plants as contact with foliage may injure flowers, shrubs, trees, and other desirable plants.
- · Rain or watering within 24 hours after treatment may reduce effectiveness.
- For best results, use hose-end sprayers or tank-type (pump-up pressure) sprayers. Spray evenly
 over area at recommended rates.

HOW MUCH TO USE: The maximum application rate to turf is 0.4 pounds 2,4-D acid equivalent per acre per application per site. The maximum number of broadcast applications per treatment site is 2 per year. Do not exceed specified dosages for any area.

For St. Augustinegrass, Bentgrass, and Buffalograss

For Tank Sprayers: Use ½ fluid ounce (1 Tablespoon) per gallon of water to cover 200 square feet of lawn. Do not use on Floratam or other improved varieties of St. Augustinegrass.

Do not apply to St. Augustinegrass or centipedegrass emerging from winter dormancy. Temperatures below 45°F within 72 hours of application may cause damage.

For Bluegrass, Fescues, Perennial Ryegrass, Bahiagrass, Bermudagrass, and Centipedegrass Use 1 fluid ounce (2 Tablespoons) per gallon of water to cover 200 square feet.

Repeat treatment for hard-to-control weeds in 2 to 3 weeks if they regrow.

Spot treat new weeds as they appear with Ready-To-Use Weed-B-Gon® Weed Killer or use this product as directed in a tank-type sprayer. Do not use a hose-end sprayer to spray small areas or spot treat weeds.

CONVERSION TABLE				
1 Tablespoon (Tbsp)	=	3 Teaspoons (Tsp.)		
1 Fluid Ounce (Fl. Oz.)	=	2 Tablespoons (Tbsp.)		
1 Cup	=	8 Fluid Ounces (Fl. Oz.)		

SUPPLEMENTAL LABEL FOR ORTHO HOSE-END SPRAYERS

For St. Augustinegrass, Bentgrass and Buffalograss.

- For Tank Sprayers Use ½ fluid ounce (1 Tablespoon) per gallon of water to cover 200 square feet of lawn.
- For the Dial 'N Spray Hose-End Sprayer: Measure 2½ fluid ounces (5 Tablespoons) into sprayer, jar for every 1,000 square feet of lawn. Do not add water to jar. Set dial to 1 Tbsp. and spray.
- For the Ortho Plant & Weed Sprayette® Hose-End Sprayer Put 2½ fluid ounces

 (5 Tablespoons) into sprayer jar. Fill sprayer jar to the 5 gallon mark with water and spray to cover 1,000 square feet

For Bluegrass, Fescues, Perennial Ryegrass, Bermudagrass, Bahiagrass and Centipedegrass

- For Tank Sprayers: Use 1 fluid ounce (2 Tablespoons) per gallon of water to cover 200 square feet of lawn
- <u>For Dial 'N Spray.</u> Measure 5 fluid ounces (10 Tablespoons) into sprayer jar for every 1,000 square feet of lawn. Do not add water to the container jar. Set dial on 1 oz. and spray.
- For Ortho Plant & Weed Sprayette[®] Hose-End Sprayer: Measure 5 fluid ounces (10 Tablespoons) into sprayer jar. Fill with water to the 5 gallon mark and spray to cover 1,000 square feet.

Or Tabular Format

Table 1.

Lawn Grass	Sprayer Type	Product To Measure	Area to Treat	Comments
St. Augustinegrass*, Bentgrass and Buffalograss	ntgrass and gallon of water and (10' x 20')		200 sq. ft. (10' x 20')	*Do not use on Floratam or other improved varieties of
	Dial 'N Spray [®]	2½ fl. ozs. (5 Tbsp) into sprayer jar. DO NOT ADD WATER. Set dial on 1 Tbsp. and spray.	1000 sq. ft.	St. Augustinegrass Do not apply to St. Augustinegrass emerging from winter dormancy.
	Ortho Plant & Weed Sprayette®	2½ fl. ozs. (5 Tbsp) into sprayer jar. Fill with water to the 5 gallon mark and spray.	1000 sq. ft.	Temperatures below 45° within 72 hours of application may cause damage

Table 2

Lawn Grass	Sprayer Type	Product to Measure	Area To Treat	Comments
Bluegrass, Fescues, Perennial Ryegrass, Bermudagrass.	, , ,	1 fl. oz (2 Tbsp) into 1 gallon of water and spray.	1	*Do not apply to centipedegrass emerging from winter
Bahiagrass, and Centipedegrass*	Dial 'N Spray ⁶	5 fl. ozs. (10 Tbsp) into sprayer jar. DO NOT ADD WATER. Set dial on 1 oz. and spray.	 	dormancy. Temperatures below 45° within 72 hours of application may cause
	Ortho Plant & Weed Sprayette®	5 fl. ozs. (10 Tbsp) into sprayer jar. Fill with water to the 5 gallon mark and spray.		damage



TABLE 3: MEASURING CAP CONTAINER

MEASURING CAP To open squeeze cap side while unscrewing

Chart 1: DILUTION TABLE

Gallons of Spray	Area to Treat (sq. ft.)	Hardy Lawns bluegrass, centipedgrass, fescues, ryegrass, beimudagrass, bahiagrass	Sensitive Lawns** St. Augustinegrass, bentgrass, buffalograss
1	200	Fill cap to level 3 (1 oz.)	Fill cap to level 2 (1/2 oz.)
5	1,000	Fill cap to level 3 five times (5 fl. oz.)	Fill cap to level 2 five times (2½ fl. oz.)

The measuring cap has 4 levels indicated inside the cap. Fill cap to appropriate level for fast, easy accurate measuring. Close cap tightly after use — no need to rinse.

Level 1 = 1 teaspoon (tsp.) Level 2 = ½ fl. oz. = 1 Tablespoon (Tbs.) = 3 tsp. Level 3 = 1 fl. oz. (2 Tbs.) Level 4 = 2 fl. oz. (4 Tbs.)

THREE EASY STEPS TO MIX AND APPLY

- 1. Measure the lawn area to be sprayed. Calculate square feet by multiplying length by width.
- 2 Use a clean sprayer, such as a tank-type or hose-end sprayer. Carefully mix the proper amount of concentrate with water. See below for directions for the Ortho Dial'n Spray Hose-End Sprayer
- Spray evenly over the lawn.

DIRECTIONS FOR ORTHO DIAL'N SPRAY HOSE END SPRAYER

- Measure the proper amount of product (see Chart I) into the sprayer jar for the number of square feet you need to cover. Do not add water to the sprayer jar.
- 2 Set the dial to 1 Tbs. if you have St. Augustinegrass. Bentgrass or Buffalograss lawns. Set dial to 1 oz. for Bluegrass, Fescue, Ryegrass, Bermudagrass, Bahiagrass or Centipedegrass lawns. Spray evenly, wetting weeds and grasses.

LIMITED WARRANTY AND DISCLAIMER.

The manufacturer warrants only that the chemical composition of this product conforms to the ingredient statement given on the label, and that the product is reasonably suited for the labeled use when applied according to the Directions for Use.

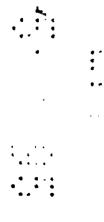
THE MANUFACTURER NEITHER MAKES NOR INTENDS ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR FURPOSE, WHICH ARE EXPRESSLY DISCLAIMED This limited warranty does not extend to the use of the product inconsistent with label instructions, warnings or cautions, or to use of the product under abnormal conditions such as drought, excessive rainfall, tomadoes, hurricanes, etc., These factors are beyond the control of the manufacturer or the seller. Any damages arising from a breach of the manufacturer's warranty shall be limited to direct damages, and shall not include indirect or consequential damages such as loss of profits or values, except as otherwise provided by law

The terms of this Limited Warranty and Disclaimer cannot be varied by any written or verbal statements or agreements. No employee or agent of the seller is authorized to vary or exceed the terms of this Limited Warranty and Disclaimer in any manner.

^{**}See specific directions for St. Augustinegrass and other sensitive lawns.

APPENDIX

- 1 Advertising claims that may be used by supplemental registrants. These claims may be presented on the retail container label or on the labeling accompanying the product.
 - 1) Kills Dandelion, Chickweed, Knotweed, Plantain, Henbit, Spurge and many other broadleaf lawn weeds.
 - 2) Kills weeds not lawn grasses.
 - 3) For Lawns Containing Kentucky Bluegrass, Fescues, Bentgrass, Perennial Ryegrass, Bermudagrass, Bahiagrass, Centipedegrass, St. Augustinegrass, and Buffalograss.
 - 4) Can be applied with hose-end or pump-up (tank) sprayers.
 - 5) Kills broadleaf weeds roots and all.
 - 6) For northern and southern grasses.
 - 7) Won't harm lawn grasses shown on container label.
 - 8) Kills weeds in your lawn.
 - 9) Formulated for use on northern and sensitive southern lawns.
 - 10) Kills all major broadleaf lawn weeds: list of the weed species.
 - 11) Helps provide a beautiful lawn.
 - 12) For cool and warm season lawn grasses
 - 13) (Brand Name) kills all major broadleaf lawn weeds including dandelion, chickweed, knotweed, in lawns without harming lawn grasses.
 - 14) For use on grass lawns especially Kentucky Siuegrass, Fescues, Perennial Ryegrass, Bentgrass, Bermudagrass, Bahiagrass, Centipedegrass, St. Augustinegrass, and Buffalograss.
 - 15) A Trimec® Turf Herbicide Formulation.
 - 16) Controls Dandelion, Chickweed, Knotweed, Plantain, Henbit, Spurge and many other broadleaf lawn weeds including those shown on the side panel.
 - 17) "One Quart Covers Up To 12,800 Square Feet" or "One Pint Covers Up To 6,400 Square Feet".
 - 18) Kills over 40 broadleaf lawn weeds including dandelion and others.
 - 19) Can be applied with hose-end and tank sprayers.
 - 20) Makes up to ____ gallons of spray.
 - 21) Now for northern and southern lawns.
 - 22) New/now (Brand Name) kills over 35% more weeds.
 - 23) Water based.
 - 24) New/now measuring cap & pour spout.
 - 25) Improved package.
 - 26) New/now with measuring cap.
 - 27) Easy pour spout.
 - 28) Fast & easy measuring cup.
 - 29) Low odor formula.
 - 30) Improved low odor formula.
 - 31) Low odor.
 - 32) New formula for northern and southern grasses/lawns.
 - 33) Kills all major broadleaf weeds including Dandelion, Clover, Oxalis, Chickweed, Knotweed Plantain, Henbit, Spurge and others.



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