

MAY 18 1998

Dawn L. Walters  
 The Andersons, Inc.  
 P.O. Box 119  
 Maumee, OH 43537

Dear Ms. Walters:

Subject: Revised Labeling - Additional Directions  
 for Air Temperature and Turf Dampness  
 Lawn Primo G  
 EPA Registration No. 9198-150  
 Your Submission Dated February 12, 1998

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable with the following provisions:

- 1) Add a reentry restriction to the commercial version of the labeling to read "Do not enter or allow others to enter the treated area until dusts have settled. If incorporation is accomplished by watering-in, do not enter or allow others to enter the treated area until the surface is dry after the watering-in."
- 2) Add a reentry restriction to the homeowner version of the labeling to read "Do not allow people or pets to enter the treated area until dusts have settled. If watering-in is required after the application, do not enter or allow others to enter the treated area (except those involved in the watering) until the watering-in is complete and the surface is dry."

DK: 305-7546: HB/PM23

CONCURRENCES

SYMBOL	7505C							
SURNAME	D. KENNY							
DATE	5/18/98							

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A stamped copy is enclosed for your records. Please submit one (1) final printed copy for both the commercial version and the homeowner version of the referenced label, incorporating the above changes, before releasing the product for shipment.

Sincerely yours,

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

Enclosure

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9198-150H  
Page 1 of 7

*For Homeowner Use Only*  
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(FRONT PANEL)

ACCEPTED  
with COMMENTS  
In EPA Letter Dated

MAY 18 1998

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
9198-150

# LAWN PRIMO G

**ACTIVE INGREDIENT:**

4- (cyclopropyl-a-hydroxy-methylene)-3,5-dioxo-cyclohexanecarboxylic acid ethyl ester.....{0.01% - 1.00%}\*  
INERT INGREDIENTS: .....{99.99% - 99.00%}\*  
Total ..... 100.00%

Primo™ is a registered trademark of Novartis Crop Protection, Inc.

*\*Note: The level of active ingredient and inert ingredients will vary within the range specified by the Confidential Statement of Formula.*

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**SEE BACK PANEL FOR ADDITIONAL PRECAUTIONS**

NET WEIGHT \_\_ LBS.

TREATS UP TO \_\_\_\_\_ SQ. FT.

*For Homeowner Use Only*

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(BACK PANEL)

Net Weight \_\_\_ Lbs.

Treats Up To \_\_\_\_\_ Sq. Ft.

## LAWN PRIMO G

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Causes eye irritation. Do not get in eyes. Harmful if swallowed or absorbed through skin. Avoid contact with skin or clothing.

#### STATEMENT OF PRACTICAL TREATMENT

**If in eyes:** Hold eyelids open and flush with a steady, gentle stream of water. Get medical attention.

**If swallowed:** Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting.

**If on skin:** Wash with plenty of soap and water. Call a physician if irritation persists.

#### ENVIRONMENTAL HAZARDS

Do not apply directly to water. Runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters. Do not apply when weather conditions favor drift from treated areas.

5 917

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**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. **FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN UNEVEN GROWTH REDUCTION OR SEVERELY STUNTED TURF.**

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

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**General Information**

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Lawn Primo G is a unique turf growth management product that allows the homeowner to slow the growth of grass leaves, reducing lawn mowing effort by half for a period of about four weeks.

A quality lawn occurs when the grass is actively growing, but there are times and places where a high growth rate is unwanted. The use of Lawn Primo G can be a valuable tool for managing the growth of the homeowner's lawn. Some examples are shown below:

- During times of undesirable heavy grass growth, such as in the Spring, when frequent rains limit the opportunity for mowing
- When away from home for a long period
- On steeply sloped ground
- When mowing is prohibited because of air pollution restrictions
- As a "green edger," in lawn border areas
- Around mowing obstacles, such as fences, trees, shrubs, ornamentals, and flowerbeds

The active ingredient in Lawn Primo G is time-tested, having been extensively used on golf courses and by commercial lawn service companies. The proper use of Lawn Primo G offers the following benefits:

- About half as much clipping volume to collect and recycle
- Longer interval between mowings, or quicker and easier mowings
- Redirects grass growth energy into roots and shoots, frequently improving turf density and durability
- Frequently reduces watering requirements and increases green color
- Will not harm neighboring plants
- Seed germination is not affected
- Does not kill the grass like other chemical edger products
- Watering in is not required

The amount of Lawn Primo G needed depends on the region and grass type. Be sure to use the proper rate. See the use rate charts below. Multiple applications may be made throughout the growing season, but do not exceed a total of {XX.X (2.5 lb AI/A)} lbs. per 1,000 sq. ft. (2.5 lb AI/A) per year.

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**How to Apply Lawn PRIMO G:**

For best results, apply when weather is warm (air temperature at least in the 50°s F), do not water Lawn Primo G in, and avoid application just before a rainfall. For best results, be sure the lawn has adequate fertility when Lawn Primo G is applied.

**“Green Edging:”** This use provides the greatest value, since a small amount of product produces a great deal of time and labor savings. In case of mixed or unknown grass types, this is also a good way to try the product on the lawn. If any temporary discoloration occurs, usually lasting only one or two weeks, the product will need to be used at a reduced rate.

Spread the product to cover hard-to-mow borderline areas around buildings, sidewalks, drives, fences, trees and ornamental beds, or on steeply sloped areas. Unlike other chemical edger products, Lawn Primo G does not kill your grass or ornamental plantings, leaving unsightly brown areas.

When using a shaker can or other device designed for edging application, apply the product evenly to cover the turf in band the desired width where growth regulation is desired, such as around sidewalks, curbs, driveways, fences, buildings, or other narrow, hard-to-mow areas.

**Overall lawn treatment:** On soils with adequate fertility (see fertilization section) and where the homeowner is sure of the type of grass in the lawn, this method is the best way to use Lawn Primo G. Apply product evenly, using a properly calibrated granular fertilizer spreader which will uniformly distribute the product over the target area. Avoid skips and excessive overapplications as poor growth regulation or turfgrass injury may occur.

**Use on Northern, “Cool-Season” Turf:** The best time to apply is in the Spring, beginning in April through early May, or when daily highs begin to approach or exceed 60° F. for several consecutive days. Best growth regulation begins about 3-5 days after the first application. **For Perennial Ryegrass, apply when the turf is damp from rain, sprinkling or dew.** Wait four weeks between any subsequent applications, and discontinue use before the onset of hot weather when the grass growth rate normally slows down on its own, or when daily highs exceed 75° F. for several consecutive days. Applications in the late Summer and Fall can be used, commencing as soon as the weather turns cooler, with daily highs below 75° F. for several consecutive days. Apply as desired every four weeks, until the grass growth normally slows down with the onset of cool weather. An ongoing turf management program of Lawn Primo G and fertilizer will help to enhance desirable results, such as turf density, deep green color, and vigor.

**Application Rates for Northern, “Cool-Season” Turfs:**

Turf Type	Overall Lawn Application Rate lbs Lawn Primo G per 1000 sq ft	“Green Edging” Application Rates lbs Lawn Primo G per 1000 sq ft
Kentucky Bluegrass Fine (Red) Fescue Turf Type Tall Fescues Bluegrass/Fescue/ Ryegrass Mixtures Bentgrass (cut at .5 inch or higher)	{X.X (.26 lb A/A)} to {X.X (.34 lb A/A)}	{X.X (.34 lb A/A)} to {X.X (.44 lb A/A)}
Kentucky-31 Tall Fescue Perennial Ryegrass	{X.X (.34 lb A/A)} to {X.X (.44 lb A/A)}	{X.X (.34 lb A/A)} to {X.X (.44 lb A/A)}

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**Use on Southern, "Warm-Season" Turf:** The best time to apply is Spring through Fall, beginning about one month after grass breaks dormancy. Best growth regulation begins about 3-5 days after the first application. **For the best results on St. Augustine, apply when the turf is damp from rain, sprinkling or dew.** Wait four weeks before making subsequent applications as desired, discontinuing use with the onset of cooler weather in the Fall, or about one month before turf begins to go dormant. Warm-Season grasses slow their growth rate when daily highs fall below 80° F. for several consecutive days.

**Application Rates for Southern, "Warm-Season" Turf:**

Turf Type	Overall Lawn Application Rate lbs. Lawn Primo G per 1000 sq.ft.	"Green Edging" Application Rates lbs. Lawn Primo G per 1000 sq. ft.
Tifway Bermudagrass	{X.X (.13 lb A/A)} to {X.X (.17 lb A/A)}	{X.X (.25 lb A/A)} to {X.X (.34 lb A/A)}
Tifdwarf & other Hybrid grasses	{X.X (.09 lb A/A)} to {X.X (.11 lb A/A)}	{X.X (.17 lb A/A)} to {X.X (.26 lb A/A)} or {X.X (.25 lb A/A)} to {X.X (.34 lb A/A)} <sup>1</sup>
Zoysiagrass	{X.X (.09 lb A/A)} to {X.X (.11 lb A/A)}	{X.X (.25 lb A/A)} to {X.X (.34 lb A/A)}
Carpetgrass	{X.X (.17 lb A/A)} to {X.X (.26 lb A/A)}	{X.X (.17 lb A/A)} to {X.X (.26 lb A/A)}
St. Augustine	{X.X (.17 lb A/A)} to {X.X (.26 lb A/A)}	{X.X (.34 lb A/A)} to {X.X (.44 lb A/A)} or {X.X (.68 lb A/A)} to {X.X (.88 lb A/A)} <sup>1</sup>
Kikyugrass, Centipedegrass	{X.X (.17 lb A/A)} to {X.X (.26 lb A/A)}	{X.X (.34 lb A/A)} to {X.X (.44 lb A/A)}
Common Bermudagrass	{X.X (.26 lb A/A)} to {X.X (.34 lb A/A)}	{X.X (.34 lb A/A)} to {X.X (.44 lb A/A)} or {X.X (.68 lb A/A)} to {X.X (.88 lb A/A)} <sup>1</sup>
Bahiagrass	{X.X (.34 lb A/A)} to {X.X (.41 lb A/A)}	{X.X (.34 lb A/A)} to {X.X (.44 lb A/A)} or {X.X (.68 lb A/A)} to {X.X (.88 lb A/A)} <sup>1</sup>
Buffalograss	{X.X (.34 lb A/A)} to {X.X (.41 lb A/A)}	{X.X (.34 lb A/A)} to {X.X (.44 lb A/A)}

<sup>1</sup> Use the higher rate to reduce the growth of the turfgrass into adjacent areas

**Use Precautions**

Be sure the lawn has adequate fertility before using Lawn Primo G. See FERTILIZATION section (*Give location of this section*) for general fertilization guidelines. For best results, avoid excessive traffic on the treated area for 24 hours following application. Avoid applying when grass is under stress or enters dormancy from heat or drought to prevent yellowing. Do not mow 24 hours after applying Lawn Primo G to avoid removing product from the lawn. Do not mow 4 hours before applying Lawn Primo G to avoid potential turfgrass injury. Do not apply this product to grasses not listed on the label.

Do not graze treated areas or feed clippings to livestock.

Generally, Lawn Primo G provides more suppression when turfgrasses are mowed at lower mowing heights. Do not mow so low as to "scalp" the lawn, exposing lighter-colored crown tissue, and do not

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remove more than about 1/3 of the leaf height. Raise the mowing height to about 1.5 inches or more (for most lawns) when turf undergoes stress or enters dormancy due to heat or drought.

### SUGGESTED SPREADER SETTINGS

(Available at Final Printing)

**Broadcast Spreaders:** For best results, apply in a circular path starting on the outside and working toward the center. A little overlap of product will ensure complete coverage.

**Drop Spreaders:** First, apply 2 border strips along the edge of each end of the lawn. Then apply product along the length of the lawn, overlapping slightly and shutting off the spreader before turning as you reach the edge of the border strips.

**Important:** It is important to follow the directions as indicated on this quality lawn care product as over-application may cause injury to the lawn. Spreader settings are approximate. Differences may occur due to condition of spreader, speed at which applied, and roughness of area treated. Be sure to check spreader at the beginning of the application; adjust spread if necessary. Do not hand spread.

### FERTILIZATION

A lawn needs adequate fertilizer to maintain its best vigor, density and appearance, whether or not Lawn Primo G is used. Despite the frequent enhancement of turf quality, Lawn Primo G does not replace fertilizer. Use a complete, good quality lawn fertilizer no less than ten days prior to any application of Lawn Primo G. Using fertilizer with supplemental iron is recommended.

The following are general fertilization schedules for most lawn types in the two major regions of the U.S. Note: To determine pounds N (nitrogen) applied, simply take the percentage of N (the first number of the N-P-K guarantee) times the pounds applied. For example, 4 pounds per 1,000 square feet of a 25-5-10 provides 1.0 pound of N per 1,000 square feet. Consult your state cooperative extension service for recommendations for your particular grass, soil type, and location.

**Northern, "Cool-Season" Turf:** Apply at 0.5 to 1 pound N per 1,000 square feet every 4-6 weeks, using higher rates with the longer intervals. Use light rates in the spring and summer, increasing the rates going into the Fall. When surface soil temperatures drop to about 50° F. for several consecutive days, do a late Fall feeding of 1 to 1.5 pounds N per 1,000 square feet. The Fall application is the most important feeding of the year, since it builds the root system instead of causing excessive foliar growth at that time. The overall fertility program should provide about 3 to 5 pounds of N, per 1,000 square feet during the growing season. Adequate potassium (K), at least about half as much as the nitrogen applied, is generally advisable, as is supplemental iron.

**Southern, "Warm-Season" Turf:** In Spring, as turf comes out of dormancy, apply at 0.5 to 0.75 pounds N per 1,000 square feet for the first month, then 1 to 1.5 pounds N per 1,000 square feet per month until the last month before dormancy. Reduce to 0.5 to 1 pound N per 1,000 square feet for the last application before dormancy, or until spring where dormancy does not occur. Applications may be made every 4-6 weeks, using higher rates with the longer intervals. The overall annual program should provide about 5 to 8 pounds of N per 1,000 square feet during the growing season. Adequate potassium (K), at least about half as much as the nitrogen applied, is generally advisable, as is supplemental iron. Especially sandy soils typically require the higher rates for acceptable quality.



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**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage and disposal. Keep container closed and away from food, feedstuffs and domestic water supplies. **PESTICIDE DISPOSAL:** Securely wrap original container in several layers of newspaper and discard in trash. **CONTAINER DISPOSAL:** Do not reuse container. Discard container in trash.

**MANUFACTURERS STATEMENT**

This product conforms to the ingredient statement on the label. Manufacturer's directions regarding use of this product are based upon tests believed to be reliable. All statements made concerning this product apply only when used as directed under normal use conditions. **FOLLOW DIRECTIONS CAREFULLY.** Timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the manufacturer. Buyer assumes all risks of use, storage and handling of this product.

**THIS PRODUCT IS SOLD AS IS. MANUFACTURER MAKES NO WARRANTIES, EXPRESS OR IMPLIED. IN NO EVENT SHALL MANUFACTURER BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND.**

**Manufactured By:  
THE ANDERSONS LAWN FERTILIZER DIVISION  
D/B/A FREE FLOW FERTILIZER  
P.O. BOX 119  
MAUMEE, OH 43537**

Date Printed: 02/11/98  
Date Approved: 5/20/97  
Supersedes: new  
Label Change: use directions: apply when air is warm, damp turf on perennial ryegrass & st. augustine/add perennial ryegrass to northern turfs/change rate on k-31  
Filename: 9198150h.doc

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9198-150C  
Page 1 of 8

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(FRONT PANEL)

# LAWN PRIMO G

ACCEPTED  
with COMMENTS  
In EPA Letter Dated

MAY 18 1998

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
9198-150

**ACTIVE INGREDIENT:**

4- (cyclopropyl-a-hydroxy-methylene)-3,5-dioxo-cyclohexanecarboxylic acid ethyl ester .....{0.01% - 1.00%}\*

**INERT INGREDIENTS:**.....{99.99% - 99.00%}\*

Total ..... 100.00%

Primo™ is a registered trademark of Novartis Crop Protection, Inc.

*\*Note: The level of active ingredient and inert ingredients will vary within the range specified by the Confidential Statement of Formula.*

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**SEE BACK PANEL FOR ADDITIONAL PRECAUTIONS**

NET WEIGHT \_\_\_ LBS. ....

TREATS UP TO \_\_\_\_\_ SQ. FT.

EPA Reg. No. 9198-150

EPA Est. No. 9198-OH-1

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(BACK PANEL)

Net Weight \_\_ Lbs.

Treats Up To \_\_\_\_\_ Sq. Ft.

**LAWN PRIMO G**

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

Causes eye irritation. Do not get in eyes. Harmful if swallowed or absorbed through skin. Avoid contact with skin or clothing.

**STATEMENT OF PRACTICAL TREATMENT**

**If in eyes:** Hold eyelids open and flush with a steady, gentle stream of water. Get medical attention.

**If swallowed:** Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting.

**If on skin:** Wash with plenty of soap and water. Call a physician if irritation persists.

**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. Runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters. Do not apply when weather conditions favor drift from treated areas.

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**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. **FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN UNEVEN GROWTH REDUCTION OR SEVERELY STUNTED TURF.**

Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes. For outdoor use on commercial turf such as residential lawns, golf courses, cemeteries, parks, athletic fields, institutional and school turf areas.

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

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**General Information**

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Lawn Primo G is a unique granular formulation of Primo®, the turf growth regulator. This product allows golf course operators, commercial turf managers, and lawn care companies to reduce the frequency of mowing and the amount of grass clippings by approximately 50% over a four week period.

A quality turf stand means the grass is actively growing, but a high growth rate can be difficult and costly to manage. The use of Lawn Primo G is valuable in many ways,:

- Whenever a granular application is preferred over applications of a liquid growth regulator product
- When mowing operations conflict with uses such as frequent golf play, athletic events, or other outdoor events of extended duration
- During times of undesirable heavy grass growth, such as Spring, when frequent rains limit the opportunity for mowing
- On steeply sloped ground
- In areas under air pollution restrictions which restrict mowing
- As a "green edger," in lawn border areas
- Around mowing obstacles, such as fences, trees and shrubs, monuments and markers
- Whenever mowing crews or equipment are unavailable
- To reduce mowing labor and equipment maintenance expenses

The active ingredient in Lawn Primo G® is time-tested by years of extensive use on golf courses and by commercial lawn maintenance/mowing companies. The proper use of Lawn Primo G offers the following benefits:

- About half as much clipping volume to collect and recycle
- Allows for a longer interval between mowings
- Redirects grass growth energy into roots and shoots, frequently improving turf density and durability
- Frequently reduces watering requirements
- Frequently increases density, color, traffic resistance, and quality of the turf
- Will not harm neighboring plantings
- Seed germination is not affected
- Doesn't kill the grass or other plants like other chemical edger products
- Watering in is not required

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**Application Information**

Environmental conditions, management, and cultural practices that affect turf growth and vigor will influence the response of the turf to Lawn Primo G applications. Fertility level, moisture availability, plant vigor, height, and frequency of mowing, etc. have been shown to influence the activity of Lawn Primo G.

Tests have shown that Perennial Ryegrass and St. Augustine turfs must be damp at the time of application for best results.

The rates presented in the **Application Rate Table** provide approximately 50% growth inhibition over a 4-week period with little or no discoloration of turf growing under favorable conditions.

Excessive turf growth, which may occur under high fertilization program or during spring flushes, may require higher rates of Lawn Primo G. Under these conditions, Lawn Primo G rates may have to be increased up to 50% to provide an adequate length of control.

Lawn Primo G use rates may need to be reduced up to 50% for turfgrass grown under conditions of low fertility, compaction, or other factors which stress the turf.

Multiple applications can be made each growing season but do not exceed a total of {XX.X (2.5 lb A/A)} lbs. per 1000 sq. ft. (2.5 lb. A/A) per year.

**Mowing**

Generally, Lawn Primo G provides more suppression when turfgrasses are mowed at lower mowing heights than higher mowing heights. Application rates have been selected for typical mowing heights. The application rate may need to be adjusted depending on actual mowing conditions. It is suggested that Lawn Primo G not be applied less than 24 hours before or 4 hours after mowing to minimize mower pickup problems or any potential turfgrass injury. Do not mow so low as to "scalp" the turf, exposing lighter-colored crown tissue, and do not remove more than about 1/3 of the leaf height when mowing. For lawns, raise mowing height when turf undergoes stress or enters dormancy due to heat or drought.

**Application Timing**

Apply Lawn Primo G to actively growing turf. Reduce Lawn Primo G rates on turf going into dormancy due to high or low temperatures or lack of moisture. Repeat applications of Lawn Primo G may be made as soon as the turf resumes growth or more suppression is desired. For best results, avoid application by broadcast spreaders under windy conditions, which may cause misapplication due to distortion of the application swath. For best results, apply when the turf is damp from dew or irrigation and when the weather is warm (air temperature at least in the 50's F).

**Equipment**

Apply Lawn Primo G evenly, using the recommended rates and equipment capable of proper application of this product. Use only equipment designed for application of granular pesticides which has been properly calibrated and which is in good working order. Avoid skips and excessive overapplications as poor growth regulation or turfgrass injury may occur. See spreader settings table for recommended spreaders and settings. For use only as a "green edger," a drop spreader is most efficient. If a broadcast spreader is used, center the heaviest part of the swath over the lawn border area.

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**Application Near and Around Monuments and Hardscape Materials**

When used as directed, Lawn Primo G will not stain brass, bronze, concrete, marble, granite, or other types of stone. Before using Lawn Primo G around other types of stone, test on a small scale basis.

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**Poa annua Conversion/Renovation**

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Lawn Primo G can be applied to existing turf infested with stands of Poa annua as part of an overseeding/renovation program. Such an application allows better germination and seeding growth of more desirable turf. Lawn Primo G, in conjunction with the use of appropriate cultural practices that help to ensure the vigor and growth of new seedlings, will also result in fewer clippings and thus, less maintenance traffic on new seedlings. Since Lawn Primo G is foliarly absorbed, seed germination is not affected. Apply Lawn Primo G 1-5 days before seeding; and before verticutting, scalping, spiking, or other similar operations.

Temporary initial discoloration is possible with aggressive application rates of Lawn Primo G to turf with Poa annua. Lawn Primo G applications the following spring should use the upper end rate for the turf type and setting listed in the Application Rate Table. Actual conversion success will also depend on growing conditions, fertilization, rainfall, and other agronomic and environmental conditions.

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**Bermudagrass Overseeding**

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An application of Pro Primo G® to bermudagrass will enhance the establishment of cool-season turfgrasses. Lawn Primo G, in conjunction with the use of cultural practices that help ensure new seedling vigor and growth, will also result in fewer clippings and less maintenance traffic on new seedlings. Lawn Primo G is foliarly absorbed, so germination and seedling growth is not affected.

Apply Lawn Primo G before verticutting, scalping, spiking, or other similar operations to the bermudagrass. Apply Lawn Primo G 1-5 days before seeding.

Temporary initial discoloration is possible with aggressive application rates of Lawn Primo G. Use normal seeding rates for your area and turf setting (lawn, fairway, etc.). Actual overseeding success will also depend on growing conditions, fertilization, rainfall, and other agronomic and environmental conditions. For maintenance application, see the Application Rate Table.

**Notes:** (1) Do not apply to bare ground since Lawn Primo G is foliarly absorbed. (2) Areas treated with Lawn Primo G should continue to receive regular maintenance practices, including irrigation; fertilization; and weed, disease, and insect control when necessary and as recommended for quality turf. Since some herbicides can injure turf, herbicide application within 24 hours of applying this product should first be tested on a small scale before widespread use. (3) Lawn Primo G may cause temporary yellowing. To minimize yellowing and to enhance the green color of turf, apply readily available nitrogen at 0.2-0.5 lb. of nitrogen per 1,000 square feet. If desirable, recommended rates of iron can also be used. (4) Full growth regulation by Lawn Primo G begins at about 3-5 days after application.

**APPLICATION RATE TABLE**

*(See attached Table 1)*

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**Use Precautions**

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Be sure the lawn has adequate fertility before using Lawn Primo G. For best results, avoid excessive traffic on the treated area for 24 hours following application, do not water Lawn Primo G in, and avoid application just before a rainfall. Avoid applications when grass is under stress or enters dormancy from heat or drought to prevent yellowing. Do not graze treated areas or feed clippings to livestock.

Notice to Users: Plant tolerances to Lawn Primo G have been found to be acceptable for the grasses listed on this label. Due to the large number of species and cultivars it is impossible to test everyone for tolerance to Lawn Primo G. Neither the manufacturer nor the seller has determined whether or not Lawn Primo G can be used safely on grasses not specified on this label. The professional user should determine if Lawn Primo G can be used safely prior to commercial use. Before using Lawn Primo G for grasses not listed in the application table, test Lawn Primo G on a small scale first. Apply the lower recommended rate for the turf setting (Lawn, fairway, etc.) and evaluate for phytotoxicity and growth inhibition prior to widespread use.

**SUGGESTED SPREADER SETTINGS**

(Available at Final Printing)

Note: The above spreader settings were established using standard equipment available from the spreader manufacturer at swath widths and speeds typically used within the industry. It is recommended that all spreader equipment be calibrated at the time of application to achieve the desired application rate.

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage and disposal. Keep container closed and away from food, feedstuffs and domestic water supplies. **PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide 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:** 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.

16 7 17

*For Commercial Use Only*

*(The above is for internal use/split labeling clarification only and will not appear on the final label)*

**MANUFACTURERS STATEMENT**

This product conforms to the ingredient statement on the label. Manufacturer's directions regarding use of this product are based upon tests believed to be reliable. All statements made concerning this product apply only when used as directed under normal use conditions. **FOLLOW DIRECTIONS CAREFULLY.** Timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the manufacturer. Buyer assumes all risks of use, storage and handling of this product.

THIS PRODUCT IS SOLD AS IS. MANUFACTURER MAKES NO WARRANTIES, EXPRESS OR IMPLIED. IN NO EVENT SHALL MANUFACTURER BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND.

**Manufactured By:**  
**THE ANDERSONS LAWN FERTILIZER DIVISION**  
**D/B/A FREE FLOW FERTILIZER**  
**P.O. BOX 119**  
**MAUMEE, OH 43537**

Date Printed: 02/11/98  
Date Approved: 5/20/97  
Supersedes: new  
Label Change: add application info for perennial ryegrass & st. augustine (damp)/add damp and air temperature statement to application timing  
Filename: 9198150c.doc



For Commercial Use Only  
(The above is for internal use only and will not appear on the label)

Table 1. Recommended Application Rates

Lawn Primo G Granular Application Rates<sup>1,2</sup>

	Residential and Commercial Turf <sup>3</sup>				Golf Course Fairways (cut at .5 inch or less)				Golf Course Greens				Edging/Banding <sup>4</sup>			
	Low Rate		High Rate		Low Rate		High Rate		Low Rate		High Rate		Low Rate		High Rate	
	lb. ai/A	lb. Primo	lb. ai/A	lb. Primo	lb. ai/A	lb. Primo	lb. ai/A	lb. Primo	lb. ai/A	lb. Primo	lb. ai/A	lb. Primo	lb. ai/A	lb. Primo	lb. ai/A	lb. Primo
<b>Cool-Season<sup>7</sup></b>																
Bentgrass	.26	X.X	.34	X.X	.09	X.X	.12	X.X	.05	X.X	.07	X.X	.34	X.X	.44	X.X
Fescue, Red	.26	X.X	.34	X.X									.34	X.X	.44	X.X
Fescue, Tall (Ky-31)	.34	X.X	.44	X.X									.34	X.X	.44	X.X
Fescue, Tall (Turf Types)	.26	X.X	.34	X.X									.34	X.X	.44	X.X
Kentucky Bluegrass	.26	X.X	.34	X.X	.09	X.X	.12	X.X					.26	X.X	.34	X.X
Mixture (Bentgrass/Poa annua)					.09	X.X <sup>5</sup>	.12	X.X	.05	X.X <sup>5</sup>	.07	X.X				
Mixture (K. Bluegrass/Fescue, Ryegrass)	.26	X.X	.34	X.X												
Mixture (K. Bluegrass/Ryegrass/Poa annua)					.17	X.X <sup>5</sup>	.26	X.X								
Ryegrass, Annual	.34	X.X	.44	X.X									.34	X.X	.44	X.X
Ryegrass, Perennial <sup>9</sup>	.34	X.X	.44	X.X	.17	X.X	.26	X.X					.34	X.X	.44	X.X
<b>Warm-Season<sup>8</sup></b>																
Bahiagrass	.34	X.X	.44	X.X									.34-.68	X.X - X.X	.44-.88	X.X - X.X
Bermudagrass <sup>6</sup>																
Bermudagrass, Common	.26	X.X	.34	X.X	.09	X.X	.12	X.X					.34-.68	X.X - X.X	.44-.88	X.X - X.X
Bermudagrass, Other Hybrids	.09	X.X	.12	X.X	.07	X.X	.09	X.X					.17-.26	X.X - X.X	.26-.34	X.X - X.X
Bermudagrass, Tifdwarf	.07	X.X	.09	X.X	.07	X.X	.09	X.X	.02	X.X	.03	X.X	.17-.26	X.X - X.X	.26-.34	X.X - X.X
Bermudagrass, Tifgreen (328)	.09	X.X	.12	X.X	.07	X.X	.09	X.X	.05	X.X	.07	X.X	.26	X.X	.34	X.X
Bermudagrass, Tifway (419)	.13	X.X	.17	X.X	.09	X.X	.12	X.X					.26	X.X	.34	X.X
Buffalograss	.34	X.X	.44	X.X				X.X					.34	X.X	.44	X.X
Carpetgrass	.09-.14	X.X - X.X	.12-.18	X.X - X.X									.17	X.X	.26	X.X
Centipedegrass	.17	X.X	.26	X.X									.34	X.X	.44	X.X
Kikuyugrass	.10-.17	X.X - X.X	.13-.22	X.X - X.X	.10	X.X	.13	X.X					.34	X.X	.44	X.X
St. Augustinegrass <sup>9</sup>	.09-.13	X.X - X.X	.12-.17	X.X - X.X									.34-.68	X.X - X.X	.44-.88	X.X - X.X
St. Augustinegrass <sup>9</sup> , Texas Common	.09	X.X	.12	X.X											.26	X.X
Zoysiagrass	.09	X.X	.12	X.X	.05	X.X	.07	X.X					.26	X.X	.34	X.X

<sup>1</sup>These rates should provide 50% suppression of turf growth under good growing conditions for 4 weeks with minimal yellowing

<sup>2</sup>Seedheads: At rates equal to or higher than the rates below, Lawn Primo G provides seedhead suppression of hybrid bermudagrass, and partial seedhead suppression of annual bluegrass, bahiagrass, buffalograss, carpetgrass, common bermuda grass, Kentucky bluegrass, and tall fescue. Lawn Primo G must be applied prior to seedhead formation.

<sup>3</sup>Including, but not limited to, home lawns, parks, recreation areas, golf course roughs, cemeteries, business sites, and sports fields.

<sup>4</sup>For Poa annua conversion/renovation, where temporary discoloration can be tolerated, 1.5 times this rate may be applied. Repeat applications of Lawn Primo G may be made as soon as the turf resumes growth or more suppression is desired.

<sup>5</sup>Where yellowing of poa annua is a concern, use half this rate and apply more frequently.

<sup>6</sup>Bermudagrass overseeding preparation: {X.X (.22 lb ai/A)} to {X.X (.28 lb ai/A)}

<sup>7</sup>Northern "Cool-Season" Turf: The best time to apply is in the Spring, beginning mid April through early May. Best Growth regulation begins 3-5 days after the first application. Wait four weeks between any subsequent applications, and discontinue use before the onset of hot weather when the grass growth rate normally slows down on its own. Applications in the Fall can be used, again every four weeks until the grass growth normally slows down with the onset of cool weather.

<sup>8</sup>Southern "Warm-Season" Turf: The best time to apply is Spring through Fall, beginning about one month after grass breaks dormancy. Wait four weeks before making subsequent applications as desired, discontinuing use with the onset of cooler weather, about one month before turf goes dormant.

<sup>9</sup>For best results, these turf types must be wet when products are applied.

17 of 17