

# Pramax<sup>TM</sup> MEC

Contains Trinexapac-ethyl, the active ingredient used in Primo MAXX<sup>®</sup>.

Plant Growth Regulator for turf growth management For managing growth, improving quality and stress tolerance, and edging of warm-and cool-season turfgrasses

<b>ACTIVE INGREDIENT:</b>	(% by weight)
Trinexapac-ethyl (CAS No. 95266-40-3).....	11.3%
<b>OTHER INGREDIENTS:</b> .....	88.7%
<b>TOTAL</b> .....	100.0%

PRAMAXIS MEC is a microemulsion concentrate containing one pound trinexapac-ethyl per gallon.

EPA Reg. No.: 91234-174

## KEEP OUT OF REACH OF CHILDREN CAUTION

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 inside label booklet for First Aid, Precautionary Statements and Directions for Use.

### FIRST AID

<b>If on skin or clothing:</b>	<ul style="list-style-type: none"><li>Take off contaminated clothing.</li><li>Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>Call a poison control center or doctor for treatment advice.</li></ul>
<b>If in eyes:</b>	<ul style="list-style-type: none"><li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>Call a poison control center or doctor for treatment advice.</li></ul>

**NOTE TO PHYSICIAN:** If a large amount has been ingested, lavage stomach. An aqueous suspension of activated charcoal can be given to absorb remaining toxicant. Treat symptomatically.

### 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 SafetyCall at 1-844-685-9173 for emergency medical treatment information.

### For Chemical Emergency:

Spill, Leak, Fire, Exposure, or Accident, Call CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300 or +1 703-527-3887 (collect calls accepted)

PRAMAXIS MEC<sup>™</sup> is a trademark of Atticus, LLC

Primo MAXX<sup>®</sup> is a registered trademark of Syngenta Group Company.

# PRECAUTIONARY STATEMENTS

## HAZARDS TO HUMANS AND DOMESTIC ANIMALS

### CAUTION

Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminate clothing before reuse.

#### Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of barrier laminate, butyl rubber  $\geq$  14 mils, nitrile rubber  $\geq$  14 mils, neoprene rubber  $\geq$  14 mils, polyvinyl chloride  $\geq$  14 mils, or Viton  $\geq$  14 mils
- Shoes plus socks

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.

#### 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 thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminate clothing before reuse.
- Remove clothing/PPE 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 clothing.

#### 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 wash water. Do not apply when weather conditions favor drift from treated areas.

#### PHYSICAL OR CHEMICAL HAZARDS

Do not mix or allow to come in contact with oxidizing agents. Hazardous chemical reaction may occur.

## 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.

#### 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.

**The restricted-entry interval (REI) for this product is 0 days.**

**Do not enter treated areas without footwear until sprays have dried.**

#### 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 footwear until sprays have dried.**

Observe all precautions, restrictions, and limitations on this label and on the labels of each product used in tank mixture with this product. It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitation and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

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

##### o Mandatory Spray Drift Restrictions

###### Ground Applications

- Apply with the nozzle height recommended by the manufacturer, but no more than 3 feet above the ground or crop canopy.
- For all applications, applicators are required to use a medium or coarser spray droplet size (ASABE S572.1).
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions.

###### Boom-less Ground Applications:

- Applicators are required to use a medium or coarser droplet size (ASABE S572.1) for all applications.
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions.

##### o Spray Drift Advisories

- THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT.
- BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.
- IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

###### Controlling Droplet Size - Ground Boom

- Volume - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.



- Pressure - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

- **BOOM HEIGHT - Ground Boom**

Use the lowest boom height that is compatible with the spray nozzles that will provide uniform coverage. For ground equipment, the boom should remain level with the crop and have minimal bounce.

- **SHIELDED SPRAYERS**

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

- **TEMPERATURE AND HUMIDITY**

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

- **TEMPERATURE INVERSIONS**

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

- **WIND**

Drift potential generally increases with wind speed. **AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.**

Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

- **Boom-less Ground Applications:**

Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

- **Handheld Technology Applications:**

Take precautions to minimize spray drift.

## RESTRICTIONS

- **DO NOT** exceed a total of 2.0 fl oz/1,000 sq ft (88 fl oz/A; 5.5 pt/A; 0.68 lbs a.i./A) per application.
- **DO NOT** exceed a total of 7.0 fl oz/1,000 sq ft (305 fl oz/A; 19.0 pt/A; 2.4 lbs a.i./A) per year.
- **DO NOT** apply **PRAMAXIS MEC** by air.
- **DO NOT** apply **PRAMAXIS MEC** through any type of irrigation system.
- **DO NOT** graze areas or feed clippings to livestock.
- Retreatment Interval: 7 days.

## RESISTANCE MANAGEMENT

For resistance management, **PRAMAXIS MEC** is a Group 23 herbicide based on the mode of action classification system of the Weed Science Society of America. Any weed population may contain or develop plants naturally resistant to **PRAMAXIS MEC** and other Group 23 herbicides. Weeds resistant to Group 23 herbicides may be effectively managed utilizing another herbicide alone or in mixtures from a different Group and/or by using cultural or mechanical practices. However, a herbicide mode of action classification by itself may not adequately address specific weeds that are resistant to specific herbicides. Consult your local company representative, state cooperative extension service, professional consultants or other qualified authorities to determine appropriate actions for treating specific resistant weeds.

To delay herbicide resistance, take one or more of the following steps:

- Rotate the use of **PRAMAXIS MEC** or other Group 23 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as the more resistance-prone partner. Consult your local extension service or certified crop advisor if you are unsure as to which active ingredient is currently less prone to resistance.
- Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use and crop rotation, and that considers tillage (or other mechanical control methods), cultural (e.g., higher crop seeding rates; precision fertilizer application method and timing to favor the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.
- Scout after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include: (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; (2) a spreading patch of non-controlled plants of a particular weed species; (3) surviving plants mixed with controlled individuals of the same species. If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or by a mechanical method for example hoeing or tillage. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields, and planting clean seed.
- If a weed pest population continues to progress after treatment with this product, discontinue use of this product, and switch to another management strategy or herbicide with a different mode of action, if available.
- Contact your local extension specialist or certified crop advisors for additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact a Atticus, LLC. representative.

## USE INFORMATION

**PRAMAXIS MEC** for turf growth management reduces the frequency of mowing and the amount of grass clippings by reducing the vertical growth of warm- and cool-season turfgrasses. Other benefits, such as increased turf density, increased color, and increased turf quality, are frequently observed after **PRAMAXIS MEC** applications. **PRAMAXIS MEC** can be applied to well-maintained, quality turfgrass areas, such as residential and commercial lawns, golf courses, sod farms, sports fields, cemeteries, and similar areas. **PRAMAXIS MEC** is useful in the management of difficult-to-mow areas and can be used to minimize the need for edging turfgrass along sidewalks, curbs, parking lots, driveways, flower beds, fences and around posts, storage sheds, and trees.

### Turf Pre-Stress Conditioning

Multiple **PRAMAXIS MEC** applications along with cultural practices such as fertilization, irrigation, drainage, mowing height, etc., will delay the onset of stress, improve stressed turfgrass survival, and enhance turf's recovery from stress.

Apply **PRAMAXIS MEC** to healthy, actively growing turf before the onset of stress and continue to apply **PRAMAXIS MEC** throughout the growing season as long as the turf remains healthy.

Turfgrass root-mass is often greater in **PRAMAXIS MEC** treated turf than in similar, untreated turf. As turf top growth slows, energy is redirected to below-ground plant parts, and root and rhizome production increases. Research has demonstrated that **PRAMAXIS MEC** may also enhance the performance of fungicides. Monthly applications of **PRAMAXIS MEC** at the label rate or more frequent applications at lower label rates strengthen the turfgrass to help it resist disease. In addition, if mowing is less frequent, and leaf material removal is reduced, contact and systemic products stay at effective concentrations on or in the turf longer.

Multiple applications of **PRAMAXIS MEC** will reduce water use and improve drought tolerance. **PRAMAXIS MEC** applications result in smaller, more compact turfgrass, and leaf area is reduced for transpiration. Increased turf density reduces moisture loss from soil evaporation, and additional soil moisture is available due to increased root depth and mass. **PRAMAXIS MEC** may increase carbohydrate levels which have been shown to enhance heat and cold tolerance. Repeat applications will improve turf quality in areas of reduced light intensity when applications begin while the turf is still healthy.

**PRAMAXIS MEC** reaches the growing point by foliar uptake and is rainfast from rainfall or irrigation after one hour. Watering-in is not necessary for activation.

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.

### Application Near and Around Monuments and Hardscape Materials:

**PRAMAXIS MEC**, at normal dilution rates, will not stain brass, bronze, concrete, marble, granite, or other types of stone. Before using **PRAMAXIS MEC** around other materials, test on a small-scale basis first.

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

**Notes:** (1) Areas treated with **PRAMAXIS MEC** should continue to receive regular maintenance practices, including irrigation; fertilization; and weed, disease, and insect control when necessary, and as recommended for quality turf. Because some herbicides can injure turf, tank mixes with **PRAMAXIS MEC** should be tested on a small scale before widespread use. (2) **PRAMAXIS MEC** may cause temporary yellowing. This usually disappears about one week after application. To minimize yellowing and to enhance the green color of turf, apply readily available nitrogen at 0.2-0.5 lb of actual nitrogen per 1,000 sq ft. If desirable, rates of iron per 1,000 sq ft can also be used. (3) Full growth regulation by **PRAMAXIS MEC** begins at about 3-5 days after application.

## APPLICATION PROCEDURES

Repeat applications of **PRAMAXIS MEC** can be made after 7 days during the growing season, however, **DO NOT** exceed a total of 7.0 fl oz/1,000 sq ft (305 fl oz/A; 19.0 pt/A; 2.4 lbs a.i./A) per year, or a total of 2 fl oz/1,000 sq ft (88 fl oz/A; 5.5 pt/A; 0.68 lbs a.i./A) per application. **DO NOT** double the single maximum application rate for extended suppression.

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. If applications of **PRAMAXIS MEC** are made on a weekly or biweekly basis, reduce the lowest rate in the table by at least 50% for the first application and monitor the turf growth to adjust application rate for the desired growth suppression.

### Application Equipment

**PRAMAXIS MEC** may be applied with backpack sprayers, hand sprayers, boom sprayers, and with spray gun application devices. Clean spray equipment thoroughly before use. Make sure the sprayer is capable of accurate and uniform application. Calibrate the sprayer before applying **PRAMAXIS MEC**. Rinse sprayer with clean water after use and dispose of rinsate in an approved manner.

### Application Timing

Apply **PRAMAXIS MEC** to actively growing turf. If turf is going into dormancy because of high or low temperatures or lack of moisture, apply a lower rate of **PRAMAXIS MEC**.

Repeat applications of **PRAMAXIS MEC** may be made after 7 days if more suppression is desired.

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

### Mowing

Generally, **PRAMAXIS MEC** provides more suppression when turfgrasses are maintained 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. To minimize possible turf injury, apply **PRAMAXIS MEC**, then wait at least 4 hours before mowing or mow first, wait at least 1 hour, then apply **PRAMAXIS MEC**.

**PRAMAXIS MEC** 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.

## MIXING INSTRUCTIONS

Apply **PRAMAXIS MEC** in a minimum of 0.5 gallons of water per 1,000 sq ft or 20 gallons of water per acre.

**PRAMAXIS MEC** is a microemulsion concentrate (MEC) with minimal odor. **PRAMAXIS MEC** mixes completely with water and may be tank mixed with many commonly-used pesticides and liquid fertilizers. Prepare no more mixture than is necessary for the immediate operation. Once **PRAMAXIS MEC** is uniformly mixed, no further agitation is required when the product is used alone, but agitation may be required for tank mixes. If using **PRAMAXIS MEC** in a tank mixture, observe all directions for use, sites, use rate dilution ratios, precautions, and limitations which appear on the tank mix product's label. Do not exceed any label use rate and follow the most restrictive label precautions and limitations. This product should not be mixed with any product which prohibits such mixing.

### Backpack and Hand Sprayers (0.5-4.0 gal capacity)

**PRAMAXIS MEC Alone:** Add all of the required water to the mix tank. Add the appropriate amount of **PRAMAXIS MEC**, close sprayer, and vigorously shake it. Begin application.

### Boom and Hand Gun Sprayers

**PRAMAXIS MEC Alone:** Add all the required amount of water to the spray tank. Then, while agitating, add **PRAMAXIS MEC**.

**PRAMAXIS MEC + Tank Mixtures:** When mixing **PRAMAXIS MEC** with other components (carrier and tank mix pesticide products) add the products to the spray tank using the following procedure:

1. Always check the compatibility of the tank mix using a jar test with proportionate amounts of **PRAMAXIS MEC**, other products to be used, and the water before mixing in the spray tank. Use a clear glass quart jar with lid and mix the tank mix ingredients in their relative proportions. Invert the jar containing the mixture several times and observe the mixture for approximately ½ hour. If mixture balls up, forms flakes, sludges, gels, oily films or layers, or precipitates, it is not compatible. Do not use the combination in a tank mix.
2. Fill tank at least ½ full of water.
3. Maintain sufficient agitation during filling to keep the tank mix uniformly suspended.
4. Add all products packaged in water-soluble bags first. Allow the packages to dissolve and the contents to completely disperse into the mix water. Then add water-dispersible granules (WG formulations) while maintaining agitation in the mix tank. Next, add wettable powders (WP formulations). Allow the products to disperse completely before other products are added.
5. Add emulsifiable concentrates (EC).
6. Add flowable liquids (FL) or suspension concentrates (SC).
7. Add **PRAMAXIS MEC**.
8. Add spray adjuvants and spray markers. Use surfactants approved for application to turf. Check surfactant label before use.
9. Add the remainder of the water.
10. Do not leave tank mix combinations in the spray tank for prolonged periods without agitation. Mix and apply all of the spray solution on the same day.

**Note:** Do not mix **PRAMAXIS MEC** with any product which prohibits such mixing. Do not exceed any label application rate and follow the most restrictive label precautions and limitations. Refer to the tank mix partner label(s) for further information.

## SPECIFIC USE DIRECTIONS

### SUPPRESSION OF ANTHRACNOSE

**PRAMAXIS MEC** can be applied at rates of 0.1 to 0.2 fl oz per 1,000 sq ft every 7 to 14 days to suppress basal rot anthracnose. Use the lower rate when seedheads are present. For optimal disease control, tank mix with propiconazole, chlorothalonil, fludioxonil or other fungicides registered for the control of anthracnose.

### POA ANNUA CONVERSION / RENOVATION / SEEDHEAD SUPPRESSION

**PRAMAXIS MEC** 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 seedling growth of more desirable turf. The use of **PRAMAXIS MEC** with appropriate cultural practices, that help to ensure the vigor and growth of new seedlings, will also result in fewer clippings and thus reduce maintenance traffic on new seedlings. Because **PRAMAXIS MEC** is foliarly absorbed, seed germination is not affected. Apply **PRAMAXIS MEC** 1-5 days before seeding; and before verticutting, scalping, spiking, or other similar operations.

Temporary initial discoloration is possible with aggressive application rates of **PRAMAXIS MEC** to turf with *Poa annua*. The following spring, apply the upper end rate of **PRAMAXIS MEC** 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.

**PRAMAXIS MEC** will keep *Poa annua* seedheads lower in the canopy when applied prior to seedhead emergence. **PRAMAXIS MEC** can be tank mixed with ethephon for improved seedhead suppression. Apply 0.125 – 0.25 oz/1,000 sq ft of **PRAMAXIS MEC** + ethephon 3-4 weeks prior to expected seedhead emergence. A follow-up application can be made two weeks after the initial application. See ethephon label for use information and restrictions.

### BERMUDAGRASS OVERSEEDING

An application of **PRAMAXIS MEC** to bermudagrass will enhance the establishment of cool season turfgrasses. Application of **PRAMAXIS MEC**, along with cultural practices that help ensure new seedling vigor and growth, will also result in fewer clippings and less maintenance traffic on new seedlings. **PRAMAXIS MEC** is foliarly absorbed, so germination and seedling growth is not affected.

Apply **PRAMAXIS MEC** before verticutting, scalping, spiking, or other similar operations to the bermudagrass. Apply **PRAMAXIS MEC** 1-5 days before seeding.

**PRAMAXIS MEC** can be applied post-overseeding to enhance ryegrass establishment and reduce bermudagrass competition on fairways and tees. Apply **PRAMAXIS MEC** at 0.20 to 0.35 oz per 1,000 sq ft once the ryegrass is about at 85% cover. Approximate timing would be just after the first mowing of the ryegrass. A second application 21-28 days later improves the ryegrass color and density.

Temporary initial discoloration of turfgrass is possible with aggressive application rates of **PRAMAXIS MEC**. 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 applications, see the **Application Rate Table**.



## APPLICATION WITH TURF MARKING PAINT

**PRAMAXIS MEC** can extend the duration of marking visibility when applied before or with marking agents. Mix **PRAMAXIS MEC** with water first when combining with latex-based marking agents. Refer to the marking agent's product label for further instructions.

Apply **PRAMAXIS MEC** at 1 oz/gal of marking paint mix to treat approximately 1,000 sq ft of line surface area. Refer to the **PRAMAXIS MEC + Tank Mixtures** section of this label for additional instructions.

Table 1. **PRAMAXIS MEC Application Rates** <sup>1,2</sup>

Turf Type	Residential and Commercial Turf <sup>3</sup>		Golf Course Fairways (Cut at 0.5" or less)		Golf Course Greens		Edging/Banding <sup>4</sup>	
	fl oz/ 1,000 sq ft	fl oz/A	fl oz/ 1,000 sq ft	fl oz/A	fl oz/ 1,000 sq ft	fl oz/A	fl oz/ 1,000 sq ft	fl oz/A
<b>Cool-Season</b>								
Bentgrass	0.75	33	0.25	11	0.125	6	1.0	44
Fescue, Red	0.75	33					1.0	44
Fescue, Tall (Ky-31)	1.0	44					1.0	44
Fescue, Tall (Turf Types)	0.75	33					1.0	44
<b>Cool-Season (cont.)</b>								
Kentucky Bluegrass	0.60	26	0.25	11			0.75	33
Mixture (Bentgrass/ <i>Poa annua</i> )			0.25 <sup>5</sup>	11	0.125	7		
Mixture (K. Bluegrass/ Fescue/Ryegrass)	0.75	33						
Mixture (K. Bluegrass/ Ryegrass/ <i>Poa annua</i> )			0.50 <sup>5</sup>	22				
Ryegrass, Annual	1.0	44					1.0	44
Ryegrass, Perennial	1.0	44	0.50	22			1.0	44
<b>Warm-Season</b>								
Bahiagrass	1.0	44					1-2	44-88
<b>Bermudagrass<sup>6</sup></b>								
Bermudagrass, Common	0.75	33	0.25	11			1-2	44-88
Bermudagrass, Other Hybrids	0.25	11	0.20	9			0.50-0.75	22-33
Bermudagrass, Tifdwarf and Ultradwarfs	0.20	9	0.20	9	0.062	3	0.50-0.75	22-33
Bermudagrass, Tifgreen (328)	0.25	11	0.20	9	0.125	6	0.75	33
Bermudagrass, Tifway (419)	0.38	16	0.25	11			0.75	33
<b>Bermudagrass<sup>6</sup> (cont.)</b>								
Buffalograss	1.0	44					1.0	44
Carpetgrass	0.25-0.40	11-18					0.50	22
Centipedegrass	0.50	22					1.0	44
Kikuyugrass	0.30-0.50	13-22	0.30	13			1.0	44
Seashore Paspalum	0.375	16	0.125-0.25	6-11	0.08-0.20	4-9	0.50	22
St. Augustinegrass	0.10-0.15	4.50-6.50					0.40-0.80	18-36
St. Augustinegrass, Texas Common	0.10	4.5					0.20	9
Zoysiagrass	0.25	11	0.125	6			0.75	33

<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 in Table 1, **PRAMAXIS MEC** provides seedhead suppression of hybrid bermudagrass, and partial seedhead suppression of annual bluegrass, bahiagrass, buffalograss, carpetgrass, common bermudagrass, Kentucky bluegrass, and tall fescue. **PRAMAXIS MEC** must be applied prior to seedhead formation. Do not apply more than 7.0 fl oz/1,000 sq ft per year.

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

<sup>4</sup> **PRAMAXIS MEC** can be applied along the perimeter of lawns, sidewalks, curbs, parking lots, driveways, posts, storage buildings, pet pens, fences, or other areas. **PRAMAXIS MEC** can be used around trees, shrubs, flower beds, and other border plants or similar areas with no injury. Apply **PRAMAXIS MEC** in an 8 to 12-inch band with a single nozzle sprayer. Use the higher concentration to reduce the growth of the turfgrass into adjacent areas.

<sup>5</sup> Where yellowing of *Poa annua* is a concern, use half this rate and apply more frequently. For *Poa annua* conversion/renovation, where temporary discoloration can be tolerated, twice this rate may be applied.

<sup>6</sup> Bermudagrass overseeding preparation: 0.5 oz/1,000 sq ft for golf fairways and tees; 0.25 oz/1,000 sq ft for golf greens. Post-overseeding on ryegrass: 0.25 to 0.35 oz/1,000 sq ft for fairways and tees.

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in a tightly closed container in a cool, dry, well-ventilated place. Store in original container and out of reach of children, preferably in a locked storage area.

**PESTICIDE DISPOSAL:** Pesticide spray mixture or rinsate that cannot be used should be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by the 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 HANDLING:

For Commercial uses

**For plastic containers ≤ 5 gallons: Nonrefillable Container:** Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple Rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or 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.

**For plastic containers > 5 gallons: Nonrefillable container.** Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple Rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Recap and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

## LIMITATION OF WARRANTY AND LIABILITY

**IMPORTANT: READ BEFORE USE.** Read the entire Directions for Use, Conditions of Warranties and Limitations of Liability before using this product. If these terms and conditions are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following 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. Ineffectiveness, injury, and other unintended consequences may result because of such factors as manner of use or application (including misuse), the presence of other materials, weather conditions, and other unknown factors, all of which are beyond the control of ATTICUS, LLC. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** To the extent consistent with applicable law, ATTICUS, LLC makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond statements on this label.

**LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, neither ATTICUS, LLC the manufacturer, nor the Seller shall be liable for any indirect, special, incidental or consequential damages resulting from the use, handling, application, storage, or disposal of this product. 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, handling, application, or storage of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid.

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