



# Trinexapac-Ethyl 1 AQ

## For Turf Growth Management

Contains trinexapac-ethyl, the active ingredient used in Primo Maxx™. PrimeraOne Trinexapac-Ethyl 1 AQ is not manufactured or distributed by Syngenta Crop Protection, Inc.

A microemulsion concentrate used to manage growth and improve quality and stress tolerance of turf edging and warm- and cool-season turfgrasses.

| <b>ACTIVE INGREDIENT</b>        | <b>% BY WT.</b> |
|---------------------------------|-----------------|
| Trinexapac-ethyl .....          | 11.3%           |
| <b>OTHER INGREDIENTS:</b> ..... | 88.7%           |
| <b>TOTAL:</b> .....             | 100.0%          |

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

### **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.

For additional First Aid, precautionary, handling, and use statements, see inside of this booklet.

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14077  
EPA 052010/Rev C

Manufactured for Makhteshim Agan of North America, Inc. • 4515 Falls of Neuse Road, Suite 300 • Raleigh, NC 27609

| 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>  |
| <b>IF SWALLOWED:</b>  | <ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul> |
| <b>IF INHALED:</b>  | <ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>  |
| <p>Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact PROSAR at 1-877-250-9291 for emergency medical treatment information.</p> <p><b>NOTE TO PHYSICIAN:</b> If a large amount has been ingested, lavage stomach. An aqueous suspension of activated charcoal can be given to absorb remaining toxicant. Treat symptomatically.</p> |  |

## 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.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

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

#### Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves (such as nitrile, butyl, neoprene, or barrier laminate)
- 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 exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### ENGINEERING CONTROL STATEMENTS

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

### **USER SAFETY RECOMMENDATIONS**

#### **Users Should:**

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean 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 washwater. Do not apply when weather conditions favor drift from treated areas.

### **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 and limitations on this label and on the labels of each product used in tank mixture with this product.

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

## STUNTED TURF.

### INFORMATION

PrimeraOne Trinexapac-Ethyl 1 AQ is a plant growth regulator and is an odorless microemulsion concentrate (MEC). PrimeraOne Trinexapac-Ethyl 1 AQ mixes completely with water and may be tank mixed with many commonly used pesticides and liquid fertilizers.

PrimeraOne Trinexapac-Ethyl 1 AQ is effective only by absorption through the grass foliage and not by plant uptake of the product through the soil. Within one hour after application, PrimeraOne Trinexapac-Ethyl 1 AQ will not wash off the grass foliage. A number of factors affect the activity and performance of PrimeraOne Trinexapac-Ethyl 1 AQ when used for growth management of turfgrasses including but not limited to the following:

- environmental conditions
- turfgrass management and cultural practices that affect grass growth and vigor
- level of plant fertility
- availability of moisture
- plant vigor
- state of grass growth

Watering-in is not necessary for activation of PrimeraOne Trinexapac-Ethyl 1 AQ.

When an adjuvant is to be used with this product, Makhteshim Agan of North America, Inc. suggests the use of a Chemical Producers and Distributors Association certified adjuvant.

**TURFGRASS:** PrimeraOne Trinexapac-Ethyl 1 AQ reduces the growth of warm- and cool-season turfgrasses. When used according to directions for turf growth management, PrimeraOne Trinexapac-Ethyl 1 AQ reduces the frequency of mowing and the amount of

grass clippings generated by mowing. PrimeraOne Trinexapac-Ethyl 1 AQ applications may also increase the color, quality, and density of turf.

PrimeraOne Trinexapac-Ethyl 1 AQ can be applied to the following sites that have well-maintained, quality turfgrass areas:

- lawns (residential and commercial)
- golf courses
- sod farms
- sports fields, cemeteries, and similar areas
- difficult-to-mow areas

PrimeraOne Trinexapac-Ethyl 1 AQ minimizes the need for edging of turfgrass along sidewalks, curbs, parking lots, driveways, flower beds, fences and around posts, storage sheds, and trees.

### USE DIRECTIONS FOR APPLICATIONS TO TURF-GRASS

#### MOWING

For greater suppression with PrimeraOne Trinexapac-Ethyl 1 AQ, maintain turfgrass at lower mowing heights. Note that the rates given in the **APPLICATION RATE TABLE** are for turf at typical mowing heights; therefore, the application rates should be adjusted based on the grass height at application. The lower the height of cut of the particular turfgrass species, the less material is required to provide the desired turf growth regulator effect.

Turfgrass injury can be minimized by using one of the following options:

1. Mow 4 hours after the application of PrimeraOne Trinexapac-Ethyl 1 AQ;

#### OR

2. Mow 1 hour before application of PrimeraOne Trinexapac-Ethyl 1 AQ.

## EQUIPMENT

PrimeraOne Trinexapac-Ethyl 1 AQ may be applied using one of the following types of spray equipment:

- backpack sprayers
- hand sprayers
- boom sprayers
- spraygun application devices

Use only spray equipment that has been thoroughly cleaned before use. Ensure that the sprayer will deliver an accurate and uniform spray by calibration of the equipment. After use, clean the sprayer with clean water and dispose of rinsate according to label directions.

## MIXING INSTRUCTIONS

1. Add PrimeraOne Trinexapac-Ethyl 1 AQ to a sufficient amount of water (ex., 0.5 to 4.0 gallons of water per 1000 sq. ft.).
2. Mix only the volume of spray mixture required for the square footage to be treated.
3. Ensure adequate agitation during application.
4. When PrimeraOne Trinexapac-Ethyl 1 AQ is used as a tank mix with other products, agitation is required.
5. Apply PrimeraOne Trinexapac-Ethyl 1 AQ in a uniform manner to ensure thorough coverage of the crop.

For tank mixtures, use only if the mixing partner is registered for this use. Do not mix PrimeraOne Trinexapac-Ethyl 1 AQ 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.

## Backpack and Hand Sprayers (0.5 to 4.0 gallon capacities)

**PrimeraOne Trinexapac-Ethyl 1 AQ Alone:** Fill the spray tank with total amount of water required. Add the appropriate amount of PrimeraOne Trinexapac-Ethyl 1 AQ. Close the spray tank and agitate to ensure a uniform solution. Make spray applications to turfgrass.

## Boom and Hand-Gun Sprayers

**PrimeraOne Trinexapac-Ethyl 1 AQ Alone:** Fill the spray tank with total amount of water required. Agitate the water while adding PrimeraOne Trinexapac-Ethyl 1 AQ.

**PrimeraOne Trinexapac-Ethyl 1 AQ Plus Tank Mixtures:** Before mixing PrimeraOne Trinexapac-Ethyl 1 AQ with other components, determine the compatibility of the tank mix using the **TANK MIX COMPATIBILITY TEST** below. Once the compatibility of the mixture is assured, add the products (such as carrier or other pesticide products) to the spray tank in the order noted below:

1. Add 1/2 of the required amount of water to the spray tank.
2. Keep the tank mix agitated to ensure formation of a uniform suspension.
3. Add any products that are packaged in water-soluble bags first. Keep the tank mix agitated to ensure that the water-soluble bags dissolve and the contents disperse in the tank mix. Continue agitation and then add water-dispersible granules (WG), followed by wettable powders (WP). Before adding other products, ensure complete dispersal of the solid products.
4. Add emulsifiable concentrates (EC).
5. Add flowable liquids (FL) or suspension concentrates (SC).
6. Add PrimeraOne Trinexapac-Ethyl 1 AQ.
7. Add spray adjuvant and spray markers. Use sur-

factants approved for application to turf. Check surfactant label before use.

8. Add the remainder of the water.

9. Agitate tank mix combinations. Do not let mixtures sit in the spray tank without agitation. Only prepare the amount of spray mix required for use on one day and apply it all that day.

### TANK MIX COMPATIBILITY TEST

Add relative proportionate amounts of PrimeraOne Trinexapac-Ethyl 1 AQ, other products to be used, and the water in a clear glass quart jar with a lid. Close the lid and invert the jar several times and observe the mixture for approximately 30 minutes.

**The mixture is not compatible if the following is observed:** formation of balls, flakes, sludges, gels, oily films or layers, or precipitates.

### APPLICATION NEAR AND AROUND MONUMENTS AND HARDSCAPE MATERIALS

Brass, bronze, concrete, marble, granite, or other types of stone are not stained by PrimeraOne Trinexapac-Ethyl 1 AQ when applied at normal dilution rates. To ensure PrimeraOne Trinexapac-Ethyl 1 AQ will not stain other materials, test PrimeraOne Trinexapac-Ethyl 1 AQ on a small-scale basis before using on a larger scale.

### PRE-STRESS CONDITIONING OF TURFGRASS

To delay the onset of stress, improve turf survival under stress, and enhance the turf's recovery from stress, make multiple applications of PrimeraOne Trinexapac-Ethyl 1 AQ. Normal turf cultural practices such as fertilization, irrigation, drainage, mowing height, etc., should be maintained.

PrimeraOne Trinexapac-Ethyl 1 AQ can be applied to healthy, actively growing turf before the onset of stress and may continue to be applied throughout the grow-

ing season as long as the turf remains healthy. **Do not apply more than 7.0 fl. oz. per 1000 sq. ft. per year.**

Application of PrimeraOne Trinexapac-Ethyl 1 AQ may produce turfgrass root-mass which is often greater in treated turf than in similar untreated turf. This increase in turfgrass root-mass is a result of the reduction in turf top growth, thereby redirecting the energy to below-ground plant parts and increasing production of the root and rhizome system.

Enhanced fungicide performance has been demonstrated in research trials when monthly applications of PrimeraOne Trinexapac-Ethyl 1 AQ at the label rate or biweekly applications at 1/2 the label rate were shown to strengthen the turfgrass and to help it resist disease. Since mowing is less frequent and removal of leaf material is reduced, contact and systemic fungicide products remain more effective in or on the turf longer.

Multiple applications of PrimeraOne Trinexapac-Ethyl 1 AQ will result in smaller, more compact turfgrass and reduced leaf area. This causes a reduction in transpiration and water use and improves drought tolerance of the turfgrass. Loss of moisture from soil evaporation is reduced by the increased turf density allowing soil moisture to be available due to increased root depth and mass. PrimeraOne Trinexapac-Ethyl 1 AQ also may increase carbohydrate levels in turfgrass; increased carbohydrate levels have been shown to enhance heat and cold tolerance of turfgrass.

### SUPPRESSION OF ANTHRACNOSE

PrimeraOne Trinexapac-Ethyl 1 AQ can be applied at rates of 0.1 to 0.2 fl. oz. per 1000 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 Quali-Pro Propiconazole 14.3, Quali-Pro Chlorothalonil,

Medallion, or other fungicides registered for the control of anthracnose.

### **POA ANNUA CONVERSION/RENOVATION**

When overseeding or renovating existing turf infested with strands of *Poa annua*, PrimeraOne Trinexapac-Ethyl 1 AQ use allows better germination and seedling growth of the more desirable turf, results in fewer clippings, and thus reduces maintenance traffic on new seedlings. PrimeraOne Trinexapac-Ethyl 1 AQ is foliarly absorbed; therefore, it does not affect seed germination. PrimeraOne Trinexapac-Ethyl 1 AQ should be applied 1 to 5 days before seeding and before verticutting, scalping, spiking, or other similar operations.

Temporary initial discoloration of turfgrass infested with *Poa annua* is possible with aggressive application rates of PrimeraOne Trinexapac-Ethyl 1 AQ. In the subsequent spring season, apply PrimeraOne Trinexapac-Ethyl 1 AQ at the higher rate for the turf type and setting listed in the **APPLICATION RATE TABLE**. As described above, the success of this treatment will also depend on other factors such as growing conditions, fertilization, rainfall, and other agronomic and environmental conditions.

### **BERMUDAGRASS OVERSEEDING**

In addition to normal turfgrass cultural practices, PrimeraOne Trinexapac-Ethyl 1 AQ applications to bermudagrass enhance the establishment of cool-season turfgrasses and help ensure new seedling vigor and growth, will result in fewer clippings, and less maintenance traffic on new seedlings. Since PrimeraOne Trinexapac-Ethyl 1 AQ is foliarly absorbed, germination and seedling growth is unaffected by PrimeraOne Trinexapac-Ethyl 1 AQ.

Apply PrimeraOne Trinexapac-Ethyl 1 AQ 1 to 5 days

before seeding and before verticutting, scalping, spiking, or other similar operations to the bermudagrass.

Aggressive application rates of PrimeraOne Trinexapac-Ethyl 1 AQ may cause temporary initial discoloration of turfgrass. To avoid discoloration, use the normal seeding rates for your area and turf setting (lawn, fairway, etc.). The success of overseeding will depend on a number of factors including growing conditions, fertilization, rainfall, and other agronomic and environmental conditions. See the **APPLICATION RATE TABLE** for maintenance application rates.

### **APPLICATIONS WITH TURF-MARKING PAINT**

The duration of marking paint on turf can be extended when PrimeraOne Trinexapac-Ethyl 1 AQ is applied before or with the marking agents. When used with latex-based marking agents, mix PrimeraOne Trinexapac-Ethyl 1 AQ with water before adding the marking agent. For further directions, read the product label for the marking agent and the PrimeraOne Trinexapac-Ethyl 1 AQ + Tank Mixtures section of this label.

Use Rate:

- 1 ounce of PrimeraOne Trinexapac-Ethyl 1 AQ in 1 gallon of marking paint treats approximately 1000 sq. ft. of line surface area.

### **PLANT TOLERANCE**

The grasses listed on this label have been shown to be tolerant of PrimeraOne Trinexapac-Ethyl 1 AQ. It is impossible to test every species and cultivars of grasses for tolerance to PrimeraOne Trinexapac-Ethyl 1 AQ. Before commercial use, the professional user should determine if PrimeraOne Trinexapac-Ethyl 1 AQ can be used safely on grasses not listed in the **APPLICATION RATE TABLE** by conducting small-scale tests. The lower rate for turf setting (lawn, fairway, etc.) should be tested and evaluated for phytotoxicity and

growth inhibition prior to use on a large scale.

## PRECAUTIONS

- Continue normal cultural practices (such as irrigation, fertilization, and weed, disease, and insect control) when necessary in areas treated with PrimeraOne Trinexapac-Ethyl 1 AQ to ensure quality turf.
- Because some herbicides can injure turf, test tank mixes with PrimeraOne Trinexapac-Ethyl 1 AQ on a small scale before widespread use. See the directions for testing in the **TANK MIX COMPATIBILITY TEST** section above.
- PrimeraOne Trinexapac-Ethyl 1 AQ may cause temporary yellowing of turfgrass which usually disappears about one week after application. If readily available nitrogen (0.2-0.5 lb. of actual nitrogen per 1000 sq. ft.) is applied to turfgrass, the yellowing is minimized and the green color is enhanced. Alternatively, specified rates of iron per 1000 sq. ft. can also be used.
- Regulation of full growth by PrimeraOne Trinexapac-Ethyl 1 AQ usually begins at 3-5 days after application.
- If using PrimeraOne Trinexapac-Ethyl 1 AQ 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. Do not apply this product with any product which prohibits such mixing.
- Do not apply PrimeraOne Trinexapac-Ethyl 1 AQ through any type of irrigation system.
- Do not graze areas or feed turfgrass clippings to livestock.

## APPLICATION RATES AND TIMING

Apply PrimeraOne Trinexapac-Ethyl 1 AQ to actively growing turf. Use the lower rate of PrimeraOne Trinexapac-Ethyl 1 AQ in situations when turf is going dormant due to high or low temperatures or to lack of moisture.

Make repeat application(s) of PrimeraOne Trinexapac-Ethyl 1 AQ as soon as the turf resumes growth or if more suppression is desired. **Do not apply more than 7.0 fl. oz. per 1000 sq. ft. per year.**

The **APPLICATION RATE TABLE** provides use rates that lead to approximately 50% growth inhibition over a 4-week period and produce little or no discoloration of turf when turf is growing under favorable conditions.

High fertilization and spring flushes may cause excessive turf growth which may require higher rates of PrimeraOne Trinexapac-Ethyl 1 AQ. Under these conditions, increase the PrimeraOne Trinexapac-Ethyl 1 AQ rate up to 50% to ensure an adequate length of control.

A maximum of twice the recommended PrimeraOne Trinexapac-Ethyl 1 AQ rate from the **APPLICATION RATE TABLE** may be applied in order to ensure extended growth suppression of up to 8 weeks and when temporary discoloration can be tolerated.

A reduction of up to 50% of the PrimeraOne Trinexapac-Ethyl 1 AQ use rates may be needed for turfgrass grown under conditions of low fertility, compaction, or other factors which lead to stress of the turf.

**Repeat applications of PrimeraOne Trinexapac-Ethyl 1 AQ are permitted during the growing season, but do not exceed a total of 7.0 fl. oz. per 1000 sq. ft. (305 fl. oz. per acre which is equivalent to 19.0 pts. per acre) per year.**



APPLICATION RATE TABLE FOR USE OF PRIMERAONE TRINEXAPAC-ETHYL 1 AQ

| Turf Type  | Residential and Commercial Turf <sup>b</sup> | Golf Course Fairways (Cut at 0.5" or less) | Golf Course Greens and Tees   | Edging/Banding <sup>c</sup>   |
|--|--|--|-------------------------------|-------------------------------|
|  | fl oz/A<br>(fl oz/1000 sq ft)                | fl oz/A<br>(fl oz/1000 sq ft)              | fl oz/A<br>(fl oz/1000 sq ft) | fl oz/A<br>(fl oz/1000 sq ft) |
| <b>COOL-SEASON GRASSES<sup>a</sup></b>                 |  |  |                               |                               |
| Bentgrass  | 33<br>(0.75)                                 | 11<br>(0.25)                               | 6<br>(0.125)                  | 44<br>(1.0)                   |
| Fescue, Red  | 33<br>(0.75)                                 | --   | --                            | 44<br>(1.0)                   |
| Fescue, Tall (Ky-31)                                   | 44<br>(1.0)                                  | --   | --                            | 44<br>(1.0)                   |
| Fescue, Tall (Turf Types)                              | 33<br>(0.75)                                 | --   | --                            | 44<br>(1.0)                   |
| Kentucky Bluegrass                                     | 26<br>(0.60)                                 | 11<br>(0.25)                               | --                            | 33<br>(0.75)                  |
| Mixture (Bentgrass/ <i>Poa annua</i> )                 | --   | 11<br>(0.25)                               | 7<br>(0.125)                  | --                            |
| Mixture (K. Bluegrass/<br>Fescue/ Ryegrass)            | 33<br>(0.75)                                 | --   | --                            | --                            |
| Mixture (K. Bluegrass/<br>Ryegrass/ <i>Poa annua</i> ) | --   | 22 <sup>d</sup><br>(0.50)                  | --                            | --                            |
| Ryegrass, Annual                                       | 44<br>(1.0)                                  | --   | --                            | 44<br>(1.0)                   |
| Ryegrass, Perennial                                    | 44<br>(1.0)                                  | 22<br>(0.50)                               | --                            | 44<br>(1.0)                   |

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| Turf Type                              | Residential and Commercial Turf <sup>b</sup> | Golf Course Fairways (Cut at 0.5" or less) | Golf Course Greens and Tees   | Edging/Banding <sup>c</sup>   |
|--|--|--|-------------------------------|-------------------------------|
|  | fl oz/A<br>(fl oz/1000 sq ft)                | fl oz/A<br>(fl oz/1000 sq ft)              | fl oz/A<br>(fl oz/1000 sq ft) | fl oz/A<br>(fl oz/1000 sq ft) |
| <b>WARM-SEASON GRASSES<sup>a</sup></b> |  |  |                               |                               |
| Bahiagrass                             | 44<br>(1.0)                                  | --   | --                            | 44-88<br>(1-2)                |
| Bermudagrass <sup>e</sup>              | --   | --   | --                            | --                            |
| Bermudagrass, Common                   | 33<br>(0.75)                                 | 11<br>(0.25)                               | --                            | 44-88<br>(1-2)                |
| Bermudagrass, Other Hybrids            | 11<br>(0.25)                                 | 9<br>(0.20)                                | --                            | 22-33<br>(0.50-0.75)          |
| Bermudagrass, Tifdwarf                 | 9<br>(0.20)                                  | 9<br>(0.20)                                | 3<br>(0.062)                  | 22-33<br>(0.50-0.75)          |
| Bermudagrass, Tifgreen (328)           | 11<br>(0.25)                                 | 9<br>(0.20)                                | 6<br>(0.125)                  | 33<br>(0.75)                  |
| Bermudagrass, Tifway (419)             | 16<br>(0.38)                                 | 11<br>(0.25)                               | --                            | 33<br>(0.75)                  |
| Buffalograss                           | 44<br>(1.0)                                  | --   | --                            | 44<br>(1.0)                   |
| Carpetgrass                            | 11-18<br>(0.25-0.40)                         | --   | --                            | 22<br>(0.50)                  |
| Centipedegrass                         | 22<br>(0.50)                                 | --   | --                            | 44<br>(1.0)                   |
| Kikuyugrass                            | 13-22<br>(0.30-0.50)                         | 13<br>(0.30)                               | --                            | 44<br>(1.0)                   |
| St. Augustinegrass                     | 4.50-6.50<br>(0.10-0.15)                     | --   | --                            | 18-36<br>(0.40-0.80)          |

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| Turf Type                                      | Residential and Commercial Turf <sup>b</sup> | Golf Course Fairways (Cut at 0.5" or less) | Golf Course Greens and Tees   | Edging/Banding <sup>c</sup>   |
|--|--|--|-------------------------------|-------------------------------|
|  | fl oz/A<br>(fl oz/1000 sq ft)                | fl oz/A<br>(fl oz/1000 sq ft)              | fl oz/A<br>(fl oz/1000 sq ft) | fl oz/A<br>(fl oz/1000 sq ft) |
| <b>WARM-SEASON GRASSES<sup>a</sup> (CONT.)</b> |  |  |                               |                               |
| St. Augustinegrass,<br>Texas Common            | 4.5<br>(0.10)                                | --   | --                            | 9<br>(0.20)                   |
| Zoysiagrass                                    | 11<br>(0.25)                                 | 6<br>(0.125)                               | --                            | 33<br>(0.33)                  |

## Footnotes for APPLICATION RATE TABLE

<sup>a</sup> Seedheads: PrimeraOne Trinexapac-Ethyl 1 AQ suppresses seedhead formation in hybrid bermudagrass, and partially suppresses seedhead formation in annual bluegrass, bahiagrass, buffalograss, carpetgrass, common bermudagrass, Kentucky bluegrass, and tall fescue at rates equal to or higher than the rates in this table and only if PrimeraOne Trinexapac-Ethyl 1 AQ is applied prior to seedhead formation. Do not apply more than 7.0 fl. oz. per 1000 sq. ft. per year.

<sup>b</sup> Residential and Commercial Turf includes sites such as but not limited to business sites, cemeteries, golf course roughs, home lawns, parks, recreation areas, sod farms, and sports fields.

<sup>c</sup> Apply PrimeraOne Trinexapac-Ethyl 1 AQ along the perimeter of curbs, driveways, fences, lawns, parking lots, pet pens, posts, sidewalks, storage buildings, or other areas. When PrimeraOne Trinexapac-Ethyl 1 AQ is applied around flower beds, shrubs,

trees, and other border plants or similar areas, these ornamental plantings will not be injured. Apply PrimeraOne Trinexapac-Ethyl 1 AQ in an 8- to 12-inch band using a single nozzle sprayer. The higher concentrations listed reduce the growth of the turfgrass into adjacent areas.

<sup>d</sup> To prevent yellowing of *Poa annua*, use half this rate and apply more frequently. If temporary discoloration of *Poa annua* in conversion/renovation programs can be tolerated, use twice this application rate.

<sup>e</sup> To prepare bermudagrass for overseeding: Use 0.50 oz. per 1000 sq. ft. on golf fairways and tees and 0.25 oz. per 1000 sq. ft. on golf greens/tees.

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Do not store below 0°F. If crystals do form, store above 70°F, shaking periodically until crystals are dissolved.

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

### CONTAINER HANDLING:

#### **Nonrefillable Container (five gallons or less):**

Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container 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 1/4 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 or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

#### **Nonrefillable Container (greater than five gallons):**

Nonrefillable container. Do not reuse or refill this

container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace 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 or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**Refillable Container:** Refillable container. Refill this container with trinexapac-ethyl only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

### LIMITATION OF WARRANTY AND LIABILITY

Read the entire directions for use, conditions of

warranties and limitations of liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following **CONDITIONS, DISCLAIMER OF WARRANTIES and LIMITATIONS OF LIABILITY.**

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Makhteshim Agan of North America, Inc. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** To the extent consistent with applicable law, Makhteshim Agan of North America, Inc. makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of Makhteshim Agan of North America, Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Makhteshim Agan of North America, Inc. disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

**LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or

damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at Makhteshim Agan of North America, Inc.'s election, the replacement of product.

PrimeraOne® is a registered trademark of PrimeraTurf.

Medallion is a registered trademark of Syngenta Group Company.





# Trinexapac-Ethyl 1 AQ

## For Turf Growth Management

Contains trinexapac-ethyl, the active ingredient used in Primo Maxx™. PrimeraOne Trinexapac-Ethyl 1 AQ is not manufactured or distributed by Syngenta Crop Protection, Inc.

A microemulsion concentrate used to manage growth and improve quality and stress tolerance of turf edging and warm- and cool-season turfgrasses.

| <b>ACTIVE INGREDIENT</b>        | <b>% BY WT.</b> |
|---------------------------------|-----------------|
| Trinexapac-ethyl .....          | 11.3%           |
| <b>OTHER INGREDIENTS:</b> ..... | 88.7%           |
| <b>TOTAL:</b> .....             | 100.0%          |

### KEEP OUT OF REACH OF CHILDREN

## CAUTION

#### 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.

For additional First Aid, precautionary, handling, and use statements, see inside of this booklet.

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Manufactured for Makhteshim Agan of North America, Inc. • 4515 Falls of Neuse Road, Suite 300 • Raleigh, NC 27609