



# TMI 2020 XL

## A Fungicide for the Prevention and Control of Certain Diseases of Turfgrass and Ornamentals

For use by individuals/firms licensed or registered by the state to apply ornamental or turf pest control products. This product is NOT for residential use.

ACTIVE INGREDIENTS:	% BY WT.
Thiophanate-methyl: (dimethyl[(1,2-phenylene)-bis(iminocarbonothioyl)]bis(carbamate))*	19.65%
Iprodione: 3-(3,5-dichlorophenyl)-N-(1-methylethyl)-2,4-dioxo-1-imidazolidinecarboxamide**	19.65%
<b>OTHER INGREDIENTS</b>	<b>60.70%</b>
<b>TOTAL</b>	<b>100.00%</b>

\* Equivalent to 1.87 pounds Thiophanate-methyl per gallon.

\*\* Equivalent to 1.87 pounds Iprodione per gallon.

### KEEP OUT OF REACH OF CHILDREN CAUTION/PRECAUCIÓN

See inside label booklet for First Aid, Precautionary Statements and Directions for Use including Storage and Disposal instructions.

EPA Reg. No. 53883-323-86064

EPA Est. No. 37429-GA-001BT; 37429-GA-002BO

Letter(s) in lot number correspond(s) to superscript in EPA Est. No.

ArmorTech is a registered trademark of United Turf Alliance, LLC

#### Manufactured For:

United Turf Alliance, LLC  
8014 Cumming Highway  
Suite 403-282  
Canton, GA 30015

**Net contents: 2.5 Gallons**



**United Turf Alliance**

## FIRST AID

<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 a poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</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>

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For information on this product, contact the National Pesticide Information Center, 1-800-858-7378, Monday-Friday, 7:30 AM-3:30 PM PST. You may also contact the National Poison Control Center at 1-800-222-1222 day or night.

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION.** Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear protective eyewear such as goggles or safety glasses. Remove and wash contaminated clothing before reuse.

### 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 the EPA chemical resistance category selection chart.

**Mixers, loaders, others exposed to the concentrate, cleaners/repairers of equipment, and applicators applying as a dip treatment must wear:**

- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves such as barrier laminate, nitrile rubber, neoprene rubber, and Viton  $\geq$  14 mils
- Chemical-resistant apron
- Chemical-resistant footwear plus socks

**Applicators using handheld equipment must wear:**

- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves such as barrier laminate, nitrile rubber, neoprene rubber, and Viton  $\geq$  14 mils
- Chemical-resistant footwear plus socks
- Chemical-resistant headgear for overhead exposures
- Dust/mist filtering respirator (MSHA/NIOSH-approval number prefix TC-21C) or a NIOSH-approved respirator with any R, P, or HE filter

**Applicators using mechanical ground equipment (ground boom, airblast, etc.) must wear:**

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

**Applicators using truck-mounted equipment with a handgun at the end of the hose (i.e., for commercial turfgrass or ornamental applications) and all the other handlers not specified above must wear:**

- Long-sleeved shirt and long-pants
- Shoes plus socks
- Chemical-resistant gloves such as barrier laminate, nitrile rubber, neoprene rubber, and Viton  $\geq$  14 mils

Follow the 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 the laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

## ENGINEERING CONTROLS STATEMENT

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR Part 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 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 into clean clothing.

## ENVIRONMENTAL HAZARDS

This chemical can contaminate surface waters through aerial and ground spray applications. Under some conditions, it may also have a high potential for runoff into surface water after application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas overlaying extremely shallow groundwater, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface water with vegetated filter strips, and areas overlaying tile drainage systems that drain to surface water.

This product is toxic to invertebrates. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Cover, incorporate, or cleanup spills. Do not contaminate water when disposing of equipment washwater or rinsate.

## PHYSICAL CHEMICAL HAZARDS

Do not store near or use with oxidizing agents.

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

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours for ornamental uses. The restricted-entry interval for all other WPS uses is 24 hours.

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

- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves such as barrier laminate, nitrile rubber, neoprene rubber, or Viton  $\geq$  14 mils
- Dust/mist filtering respirator (MSHA/NOISH-approval number prefix TC-21C) or a NIOSH-approved respirator with any R, P, or HE filter
- Chemical-resistant footwear plus socks
- Chemical resistant headgear for overhead exposures

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

### 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 allow people (other than the applicator) or pets on the treatment area during application. Do not enter or allow others to enter the treated area until sprays have dried.

## PRODUCT INFORMATION

ArmorTech TMI 2020 XL prevents and controls fungal diseases on a variety of ornamentals and turfgrass.

Do not use this product on residential sites.

**Spray Equipment:** This product may be applied to ornamentals by chemigation or ground spray equipment and to turfgrass sites using ground spray equipment. Apply with properly calibrated spray equipment using standard pressures to minimize spray drift.

**Mixing Directions:** Shake the ArmorTech TMI 2020 XL container well before adding to the spray mix. While filling the spray tank with the desired amount of water, start agitation, and add the labeled amount of ArmorTech TMI 2020 XL to the spray tank (see the specific use directions for application rates). Thoroughly rinse the ArmorTech TMI 2020 XL container and pour the rinsate into the spray tank as specified in the **CONTAINER HANDLING** section of this labeling.

**Application Precautions and Restrictions:** Do not allow the spray mixture to stand in the tank for longer than 12 hours prior to application. Agitate the spray mixture continuously during application.

Except for use on golf courses, if applying this product adjacent to a water body such as a lake, reservoir, river, permanent stream, marsh or natural pond, estuary, or commercial fish pond, there must be at least a 25-foot vegetative buffer strip between the water body and the point of application.

Do not apply this product when the wind direction is toward the aquatic area.

For golf courses only, do not apply to turfgrass cut higher than 1 inch on golf holes where water bodies are present.

## CHEMIGATION INSTRUCTIONS

### (For Ornamental Applications only. Do not use Chemigation on Turfgrass Applications.)

Apply this product only through pressurized drench (flood), sprinkler (overhead), or drip (trickle) irrigation systems. Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.

If you have questions about calibration, you should contact your State Extension Service Specialist, equipment manufacturers, or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

#### Requirements for Chemigation Systems Connected to Public Water Systems

- Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
- Chemigation systems connected to the public water system must contain a functional, reduced-pressure zone, back flow preventer (RPZ), or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system must be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the flow outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- Do not apply when wind speed favors drift beyond the area intended for treatment.

#### Chemigation System Requirements

System utilizing a pressurized water and pesticide system must meet the following requirements:

- The system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with the pesticides and capable of being fitted with a system interlock.
- Do not apply when wind speed favors drift beyond the area intended for treatment.

#### Chemigation Precautions

- Do not apply in greenhouses when temperatures are above 95°F.
- Do not allow the spray mixture to stand in the tank for more than 12 hours.
- For best results, do not water treated areas within 24 hours of application.

#### Chemigation Mixture Preparation and Application

- Remove scale, pesticide residues, and other foreign matter from the chemical tank and the entire injector system and flush thoroughly with clean water.
- See the label instructions in the **ORNAMENTAL APPLICATIONS** section of this label for dilution rates and timing of application.
- Shake product container well before pouring into spray tank.
- When applying ArmorTech TMI 2020 XL via chemigation, a pesticide supply tank should be used. Prepare a suspension of ArmorTech TMI 2020 XL in a mix tank by filling the tank with ½ to ¾ the desired amount of water. Start mechanical or hydraulic agitation and slowly add the specified amount of ArmorTech TMI 2020 XL.
- Complete the mix by adding the remaining volume of water.
- Apply ArmorTech TMI 2020 XL with liquid fertilizers that are chemically neutral. Application in conjunction with highly alkaline fertilizers such as aqueous ammonia tend to degrade the pesticide resulting in reduced performance and must be avoided.
- The spray mixture must be continuously agitated during application.
- Apply ArmorTech TMI 2020 XL continuously for the duration of the water application.
- Except in cases of severe infestation, allow one week between applications of this and other control products. (This guideline can be relaxed where a severe insect or disease attack requires immediate treatment.)

### Instructions for Sprinkler (Overhead) Chemigation

- Observe the requirements in the **Chemigation System Requirements** section of this label.
- Follow instructions in the **Chemigation Mixture Preparation and Application** section of this label.
- Set the sprinkler system to deliver 0.1 to 0.25 inches of water per acre. Volumes of water higher than this will reduce efficacy. Start sprinkler and uniformly inject the suspension of ArmorTech TMI 2020 XL into the irrigation water line so as to deliver the desired rate per acre. Inject the suspension of ArmorTech TMI 2020 XL with a positive displacement pump into the main line ahead of a right angle turn to ensure adequate mixing.
- Maintain continuous agitation in the mix tank during mixing and application to assure uniform suspension.
- Greater accuracy in calibration and distribution will be achieved by injecting larger volumes of a more dilute suspension per unit time.
- Application of more than specified quantities of irrigation water per acre tend to result in decreased product performance.
- Do not apply when wind speed favors drift, when system connections or fittings leak, when nozzles do not provide uniform distribution, or when lines containing product cannot be flushed and must be dismantled and drained. In a center pivot system, block the nozzle set nearest the well pivot injection unit to prevent spray being applied to this area.
- When sprinkler distributions do not overlap sufficiently, unacceptable disease control will result.
- Allow sufficient time for pesticide to be flushed through the lines and all nozzles before turning off irrigation water.
- Check local restrictions and requirements regarding sprinkler irrigation application as they might vary from state to state.
- NOTE: When treatment with ArmorTech TMI 2020 XL has been completed, do not irrigate area for 24 to 48 hours to prevent washing the chemical off the crop.

### Instructions for Pressurized Drench (Flood) Chemigation

- Observe the requirements in the **Chemigation System Requirements** section of this label.
- Follow instructions in the **Chemigation Mixture Preparation and Application** section of this label.
- Systems using a gravity-flow pesticide dispensing system must meter the pesticide into the water at the head of the field and downstream of a hydraulic discontinuity such as a drop structure or weir box to decrease potential for water source contamination from back flow if water flow stops.

### Instructions for Drip (Trickle) Chemigation

- Observe the requirements in the **Chemigation System Requirements** section of this label.
- Follow instructions in the **Chemigation Mixture Preparation and Application** section of this label.

## TURFGRASS APPLICATIONS

ArmorTech TMI 2020 XL is a foliar-applied fungicide for turfgrass disease control on golf courses, sod farms, and institutional areas where fine turfgrass is grown. It provides effective, broad-spectrum turfgrass disease control and also serves as a useful tank mixture in the resistance management program required for other resistance-sensitive fungicides.

When used in conjunction with good turf management practices, ArmorTech TMI 2020 XL prevents and controls the following turfgrass diseases:

- Anthracnose
- Ascochyta leaf blight
- Brown patch
- Copper spot
- Corticium red thread
- Dollar spot (including benzimidazole-tolerant strains)
- Fusarium patch
- Gray and pink snow mold
- Leaf spot (such as Helminthosporium leaf spot caused by *Drechslera* spp. pathogens)
- Zoysia patch

### Turfgrass Use Restrictions:

- Do not apply this product to turfgrass through any type of irrigation system (chemigation).
- Do not apply this product by air (i.e., using fixed-wing aircraft or helicopter).
- Do not use this product on residential sites.
- Do not make more than six applications of this product in a year nor exceed the maximum season application rates expressed in the table below.
- Do not use less than a 14-day re-treatment interval.
- Do not contaminate feed or foodstuffs.
- Do not graze treated areas nor feed clippings to livestock.
- Do not use any stickers, extenders, or wetting agents with ArmorTech TMI 2020 XL.
- Do not water or mow treated areas within 24 hours of application to achieve best results.

**FOR GOLF COURSES ONLY:** When water bodies are present, do not apply to turfgrass cut taller than 1".

**Spray Preparation and Application:** Use with .05 to 10 gallons of water per 1000 sq. ft. Do not drench. Refer to the **Spray Equipment, Mixing Directions, and Application Precautions and Restrictions** sections found elsewhere on this label.

**For Disease Prevention:** Apply using the "Light" rates found in the table below when weather conditions are favorable for the development of disease. Repeat applications every 14 to 21 days as necessary.

**For Disease Control:** Apply using the appropriate rate based on the level of infestation (Light/Medium/Heavy) in the **Disease Pressure** column of the **Turfgrass Application Rates** table below and repeat applications every 14 to 21 days until the disease is under control. Once the disease is controlled, follow the instructions for disease prevention above.

## Turfgrass Application Rates

USE SITE	DISEASE PRESSURE†	SINGLE APPLICATION RATE (FL. OZ. PRODUCT/1000 SQ. FT.)	MAXIMUM SEASONAL APPLICATION RATE (FL. OZ. PRODUCT/1000 SQ. FT.)
Non-Residential Turfgrass	Light Medium Heavy	1.0-2.0 2.0-3.0 3.0-4.0	16.0
Golf Courses: Tees/Greens/Aprons	Light Medium Heavy	1.0-2.0 2.0-3.0 3.0-4.0	24.0
Golf Courses: Fairways (except Florida)	Light Medium Heavy	1.0-2.0 2.0-3.0 3.0-4.0	8.0
Golf Courses: Fairways (Florida only and only during overseeding)	Light Medium Heavy	1.0-2.0 2.0-3.0 3.0-4.0	4.0

†Rates expressed in this table include all diseases listed above except pink and gray snow mold. For these diseases, you must make one application of 4 to 8 fl. oz. per 1000 sq. ft. before the first permanent snow cover. If possible, make another application during a mid-winter thaw.

## ORNAMENTAL APPLICATIONS

### Field, Landscape, and Greenhouse Ornamentals, and Conifer Nurseries

**Note: Conifer Nurseries is Not Registered for Use in California.**

ArmorTech TMI 2020 XL is a broad-spectrum fungicide that may be applied safely to a wide variety of ornamental flowering and foliage plants either as a foliar spray, drench, or dip.

#### Diseases Controlled:

1. Aerial web blight	<i>Rhizoctonia</i> spp.
2. Alternaria leaf blight	<i>Alternaria euphorbiae</i>
3. Alternaria leaf spot	<i>Alternaria panax</i> , <i>Alternaria tenuissima</i>
4. Botrytis blight	<i>Botrytis</i> spp.
5. Fusarium leaf spot	<i>Fusarium moniliforme</i>
6. Helminthosporium leaf spot	<i>Helminthosporium</i> spp.
7. Rhizoctonia stem and root rot	<i>Rhizoctonia</i> spp.
8. Ink spot	<i>Drechslera iridis</i>
9. Tulip fire	<i>Botrytis tulipae</i>
10. Alternaria leaf blight	<i>Alternaria zinnia</i>
11. Ray blight	<i>Ascochyta chrysanthami</i>
12. Fusarium corm rot	<i>Fusarium oxysporum</i>
13. Daffodil leaf scorch*	<i>Stagnospora curtisi</i>
14. Blossom blight*	<i>Monilinia fructicola</i>
15. Botrytis storage rot*	<i>Botrytis</i> spp.
16. Cyindrocladium blight and wilt*	<i>Cylindrocladium scoparium</i>

\*Not registered for use in California.

Ornamentals listed on this label have been tested and found to tolerate applications of ArmorTech TMI 2020 XL at the labeled rates. However, due to the large number of species and varieties of ornamental and nursery plants and the widely varying growing conditions, it is impossible to test every variety for sensitivity to ArmorTech TMI 2020 XL. Prior to commercial use, apply the labeled rates to a small area of plants intended for treatment and observe for 7 to 10 days prior to treatment of a commercial crop.

In the table below, the numbers in ( ) after the species name refer to the **Diseases Controlled** table above.

### Ornamentals

Ageratum (1-7)	Crassula (1-7)	Hawthorn (1-7)	Pine (1-7)
Ajuga (1-7)	Croton (1-7)	Holly (1-7)	Pittosporum (1-7)
Almond-Ornamental (1-7)	Cyclamen <sup>2</sup> (1-7)	Hoya (1-7)	Plum-Ornamental (1-7, 14**)
Alyssum (1-7)	Daffodils (1-7, 13**)	Hydrangea (1-7)	Poinsetta <sup>2</sup> (1-7)
Andromeda (1-7)	Dahlia (1-7)	Impatiens <sup>1</sup> (1-7)	Poppy (1-7)
Aphelandra (1-7)	Delphinium (1-7)	Iris (1-8)	Pothos <sup>1</sup> (1-6)
Artemesia (1-7)	Deutzia (1-7)	Juniper (1-7)	Primrose (1-7)
Aster (1-7)	Dianthus (1-7)	Kalanchoe (1-7)	Privet (1-7)
Azalea (1-7, 16**)	Dieffenbachia (1-7)	Lilies (1-7)	Protea (1-7)
Boxwood (1-7)	Dizygotheca (1-7)	Lipstickvine ( <i>Aeschynanthus</i> )(1-7)	Pyracantha (1-7)
Cactus (1-7)	Dogwood (1-7)	Marigold (1-7)	Rhodendron (1-7, 16**)
Calendula (1-7)	Dracena (1-7)	Monarda (Bee balm) (1-7)	Rose (1-7, 15**)
Carnation (1-7)	English Ivy (1-7)	Pachysandra (1-7)	Rose tree of China (1-7)
Cherry-Ornamental (1-7)	Episcia (1-7)	Palm (1-7)	Salvia (1-7)
Chrysanthemum <sup>3</sup> (1-7,11)	Euonymous (1-7)	Pansy (1-7)	Shefflera (1-7)
Cineraria (1-7)	Ficus (1-7)	Peach-ornamental (1-7)	Snapdragon (1-7)
Cistena Plum (1-7, 14**)	Forsythia (1-7)	Peperomia (1-7)	Statice (1-7)
Coleus (1-7)	Gazania (1-7)	Periwinkle (1-7)	Tree ivy (1-7)
Columbine (1-7)	Geranium (1-7)	Petunia <sup>1</sup> (1-7)	Tulip (1-7, 9)
Conifers (1-7)**	Gladiolus (1-7, 12)	Philodendron (1-7)	Viburnum (1-7)
Coral bells ( <i>Heuchera</i> ) (1-7)	Gloxinia (1-7)	Phlox (1-7)	Violet (1-7)
Crape myrtle (1-7)	Gypsophila (1-7)	Pilea (1-7)	Zinnia (1-7, 10)

#### Restrictions and Precautions:

<sup>1</sup> Do not use ArmorTech TMI 2020 XL as a soil drench on impatiens, petunias, or pothos.

<sup>2</sup> Residue will be noticeable on foliage if plants are treated prior to sale when in bloom.

<sup>3</sup> On chrysanthemums, do not make repeat applications at high drench rates.

**NOTE:** Do not use ArmorTech TMI 2020 XL on Spathiphyllum or New Guinea Impatiens. Do not apply to home orchards/fruit trees after fruit set.

\*\*Not registered for use in California

## FOLIAR APPLICATIONS

Apply ArmorTech TMI 2020 XL as a foliar spray using ground or chemigation equipment at the rates and intervals listed in the table below. Make applications when conditions become favorable for disease development. Spray plants to run-off to insure thorough coverage.

DISEASE		RATE FL. OZ./A	APPLICATION INTERVAL
Aerial web blight	<i>Rhizoctonia</i> spp.	33 to 84	7 to 14 days
Alternaria leaf blight	<i>Alternaria zinnia</i> , <i>Alternaria euphorbiae</i>		
Alternaria leaf spot	<i>Alternaria panax</i> , <i>Alternaria tenuissima</i>		
Botrytis blight	<i>Botrytis</i> spp.		
Fusarium leaf spot	<i>Fusarium moniliforme</i>		
Helminthosporium leaf spot	<i>Helminthosporium</i> spp.		
Ink spot	<i>Drechslera iridis</i>		
Ray blight	<i>Ascochyta chrysanthami</i>		
Tulip fire	<i>Botrytis tulipae</i>		
Daffodil leaf scorch*	<i>Stagnospora curtissi</i>		
Blossom blight*	<i>Monilinia fructicola</i>		

### Precautions and Restrictions for Foliar Applications:

- Do not apply more than 84 fl. oz. per acre per application.
  - Do not make more than 4 applications per crop per year.
  - Under severe disease pressure, use the highest rate and/or the shortest application interval. When disease pressure is light to moderate, use the lower rates and longer application intervals.
  - For additional use precautions and restrictions, see the **Restrictions and Precautions** section of this label in the **Ornamentals** table above.
- \*Not registered for use in California.

## DRENCH APPLICATIONS

Apply ArmorTech TMI 2020 XL as a drench at seeding and/or after transplanting using the rate and application interval in the table below.

DISEASE		RATE FL. OZ. PER 100 GALS.	APPLICATION INTERVAL
Rhizoctonia Stem and Root Rot	<i>Rhizoctonia</i> spp.	13.5 Apply 1 to 2 pints of solution per square foot.	14 days

### Precautions and Restrictions for Drench Applications:

- Do not exceed a total of 37 fl. oz. per 1000 square feet per year.
- Do not make more than 6 applications per year.
- Under severe disease pressure, use the highest rate. When disease pressure is light to moderate, use the lower rates.
- For additional use precautions and restrictions, see the **Restrictions and Precautions** section of this label in the **Ornamentals** table above.

## DIP APPLICATIONS

PLANT SPECIES	DISEASE	FL. OZ. PER 100 GALS.	DIP DURATION	DIRECTIONS
Rose	Botrytis Storage Rot ( <i>Botrytis</i> spp.)	33	5 minutes	Dip bare root roses prior to cold storage.
Azalea and Rhododendron	Cylindrocladium blight and wilt* ( <i>Cylindrocladium scoparium</i> )	33	5 minutes	Dip cuttings prior to planting.
Gladiolus	Fusarium corm rot ( <i>Fusarium oxysporum</i> )	66	5 minutes	Dip corms prior to storage.

### Precautions and Restrictions for Dip Applications:

\*Not registered for use in California.



## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in a cool, clean, dry place. Do not store at temperatures exceeding 120°F or at temperatures below 32°F.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these waste cannot be disposed of 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:** Empty containers retain vapor and product residues.

**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 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. Offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## LIMITATION OF WARRANTY AND LIABILITY

Read the entire direction 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 risk 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 United Turf Alliance, LLC. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** To the extent consistent with applicable law, United Turf Alliance, LLC 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 United Turf Alliance, LLC is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, United Turf Alliance, LLC 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 United Turf Alliance, LLC election, the replacement of product.









# TMI 2020 XL

## A Fungicide for the Prevention and Control of Certain Diseases of Turfgrass and Ornamentals

For use by individuals/firms licensed or registered by the state to apply ornamental or turf pest control products. This product is NOT for residential use.

ACTIVE INGREDIENTS:	% BY WT.
Thiophanate-methyl: (dimethyl[(1,2-phenylene)-bis(iminocarbonothioyl)]bis[carbamate])*	19.65%
Iprodione: 3-(3,5-dichlorophenyl)-N-(1-methylethyl)-2,4-dioxo-1-imidazolidinecarboxamide**	19.65%
<b>OTHER INGREDIENTS</b>	<b>60.70%</b>
<b>TOTAL</b>	<b>100.00%</b>

\* Equivalent to 1.87 pounds Thiophanate-methyl per gallon.

\*\* Equivalent to 1.87 pounds Iprodione per gallon

### KEEP OUT OF REACH OF CHILDREN CAUTION/PRECAUCIÓN

See inside label booklet for First Aid, Precautionary Statements and Directions for Use including Storage and Disposal instructions.

EPA Reg. No. 53883-323-86064

EPA Est. No. 37429-GA-001<sup>8F</sup>; 37429-GA-002<sup>90</sup>

Letter(s) in lot number correspond(s) to superscript in EPA Est. No.

ArmorTech is a registered trademark of United Turf Alliance, LLC

**Net contents: 2.5 Gallons**

**Manufactured For:**  
United Turf Alliance, LLC  
8014 Cumming Highway  
Suite 403-282  
Canton, GA 30015



**United Turf Alliance**

PEEL BACK HERE AND RESEAL AFTER OPENING