CYCLOBUTRIFLURAM	GROUP	N-3	NEMATICIDE
	GROUP	7	FUNGICIDE

Trefinti®

NEMATICIDE FUNGICIDE

TYMIRIUM® technology*

Active Ingredients:	
Cyclobutrifluram**:	38.5%
Other Ingredients:	61.5%
Total:	100.0%

**TYMIRIUM® technology denotes the Syngenta trademark for the active ingredient cyclobutrifluram*

**CAS No.1460292-16-3

Trefinti® is formulated as a suspension concentrate (SC) and contains 3.76 lb of cyclobutrifluram per gallon.

For systemic control of listed nematode pests and diseases in turfgrass (including golf courses; institutional, commercial, and residential lawns; sod farms; athletic fields; parks; and municipal grounds).

For control of listed plant pathogenic nematodes and diseases of ornamental plants and non-bearing (juvenile) fruit and nut trees, vines, and berries produced and grown in greenhouses and nurseries (including shade houses, lath houses and other outdoor growing structures), evergreen (including conifer) and deciduous tree nurseries and forest nurseries, Christmas tree farms, residential and commercial landscapes, parks, and interior plantscapes.

KEEP OUT OF REACH OF CHILDREN

CAUTION / PRECAUCIÓN

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 additional precautionary statements, first aid, and directions for use inside booklet.

EPA Reg. No. 100-1722
EPA Est. No. 072344-MO-004

SCP 1722A-L1 1125

33 fl oz

Net Contents

syngenta®

TABLE OF CONTENTS

1.0 FIRST AID

FIRST AID	
If on skin or clothing	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If in eyes	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
SYNGENTA HOTLINE NUMBER For 24-Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire or Accident) Call **1-800-888-8372**	

PRECAUTIONARY STATEMENTS

2.0 PRECAUTIONARY STATEMENTS

2.1 Hazards to Humans and Domestic Animals

CAUTION/PRECAUCIÓN

Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, 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 contaminated clothing before reuse.

2.2 Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves made of barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils or Viton™ ≥ 14 mils

2.3 User Safety Requirements

User Safety Requirements

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.

2.4 Engineering Controls

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 170.240 (d) (4-6)), the handler PPE requirements may be reduced or modified as specified in the WPS.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

Users must rinse extraction probes within the pesticide container prior to removal of the probes.

2.5 User Safety Recommendations

User Safety Recommendations

Users should:

- 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.

2.6 Environmental Hazards

This pesticide is toxic to oysters. Do not apply directly to water. Drift and runoff may be hazardous to aquatic organisms in water adjacent to use sites.
Do not apply directly to water, or 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 or rinsate.

For Residential Turf:

This product is not acutely toxic to pollinators; however, chronic exposure to the product through pollen and nectar may cause risk to pollinators. Protect pollinators by following label directions intended to limit exposure.

2.6.1 SURFACE WATER ADVISORY

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow groundwater. This product is classified as having a high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of cyclobutrifluram from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

2.6.2 GROUNDWATER ADVISORY

This chemical has properties and characteristics associated with chemicals detected in groundwater. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

DIRECTIONS FOR USE

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

Read all label directions before use. All applications must be made according to the use directions that follow or exemptions under FIFRA (Supplemental Labels, Special Local Need Registration, FIFRA Section 18 exemptions).

For any requirements specific to your state or tribe, consult the state or tribal agency responsible for pesticide regulation.

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.

Notify state and/or federal authorities and Syngenta immediately if you observe any adverse effects due to use of this product.

FAILURE TO FOLLOW DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN PLANT INJURY, POOR NEMATODE OR DISEASE CONTROL, AND/OR ILLEGAL RESIDUES.

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 (sod farms included), 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 the label about personal protective equipment, restricted-entry interval, and notification to workers (as applicable).

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

Exception: If product is drenched or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated. No REI is required following a soil-incorporated or a soil-drench application.

continued…

AGRICULTURAL USE REQUIREMENTS *(continued)*

For early entry into 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, wear:

- Coveralls
- Chemical-resistant gloves made of barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils or Viton ≥ 14 mils
- Shoes plus socks

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, sod farms, forests, nurseries, or greenhouses.

Applications to golf courses, residential, industrial, and commercial lawns and athletic fields are not within the scope of the Worker Protection Standard.

Do not enter or allow others to enter the treated area until sprays have dried.

3.0 PRODUCT INFORMATION

Trefinti is formulated as a suspension concentrate having both nematicidal and fungicidal activity. Trefinti controls nematodes by either contact or ingestion. Trefinti is absorbed by both plant foliage and roots. It is a systemic product that is translocated upward into the plant from the roots when applied to the soil to control listed nematodes and diseases. To be effective, apply Trefinti where the root system of the target plant can readily absorb the active ingredient.

3.1 Use Sites

Trefinti may be applied to control the listed nematode pests and diseases that infest turfgrass, ornamental plants, and non-bearing (juvenile) fruit and nut trees, vines, and berries listed on the label. Trefinti may be applied to the following:

- Ornamental plants produced in greenhouses and nurseries (including shade houses, lath houses and other outdoor growing structures), evergreen (including conifer) and deciduous tree nurseries and forest nurseries and Christmas tree farms.
- Outdoor landscape ornamentals in or around residential, commercial, recreational, and institutional properties and interior plantscapes.
- Turfgrass grown for sod.
- Turfgrasses grown for aesthetic or recreational purposes or climatic modification around residential dwellings, business and office complexes, shopping complexes, multi-family residential complexes, institutional buildings, airports, cemeteries, wildlife plantings, parks, playgrounds, schools, day-care facilities, golf courses, athletic fields, and other landscaped areas.

3.2 Plant Safety

Certain plant species or cultivars may be sensitive to the final application solution. If local experience is not available, treat a small number of plants and observe for phytotoxicity for at least one week before treating the entire planting to ensure plant safety.

3.3 Integrated Pest Management (IPM)

Trefinti should be integrated into an overall disease and pest management strategy whenever the use of a nematicide or fungicide is required. Cultural practices known to reduce pest development should be followed. For nematodes this includes, but is not limited to cultural practices such as, solarization and use of nematode resistant or tolerant plant varieties. For diseases this should include selection of varieties with disease tolerance, removal of plant debris in which inoculum overwinters, and proper timing and placement of irrigation. Consult your local agricultural authorities for additional IPM strategies established for your area. Trefinti may be used in State Agricultural Extension advisory (disease forecasting) programs which recommend application timing based on environmental factors favorable for disease development.

3.4 Resistance Management Recommendations

For resistance management, Trefinti contains a Group N-3 nematicide. Any nematode population may contain individuals naturally resistant to Trefinti and other Group N-3 nematicides. The resistant individuals may dominate the nematode population if this group of nematicides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay nematicide resistance, take the following steps:

- Rotate the use of Trefinti or other Group N-3 nematicides with different groups that control the same species.
- Use tank mixtures with nematicides from a different group that is effective on the target species when such use is permitted.
- Nematicide use should be based on an integrated pest management program that includes scouting, historical information related to pesticide use, and considers host plant resistance, impact of environmental conditions on nematode populations, nematode thresholds, as well as cultural, biological, and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist or Syngenta representative for any additional pesticide resistance management and/or IPM recommendations for the specific site and nematode problems in your area.

For further information or to report suspected resistance contact Syngenta at 1-866-Syngent(a) (866-796-4368). You can also contact your pesticide distributor or university extension specialist to report resistance.

For plant pathogen resistance management, Trefinti contains a Group 7 fungicide. Any fungal population may contain individuals naturally resistant to Trefinti and other Group 7 fungicides. A gradual or total loss of disease control may occur over time if these fungicides are used repeatedly in the same fields. Appropriate resistance management strategies should be followed.

To delay fungicide resistance, take the following steps:

- Rotate the use of Trefinti or other Group 7 fungicides within a growing season with different groups that control the same pathogens.
- Use tank mixtures with fungicides from a different group that are equally effective on the target pathogen when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated disease management program for fungicide use that includes scouting, uses historical information related to pesticide use, and which considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological, and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fungal populations for resistance development.
- Contact your local extension specialist or Syngenta representative for any additional pesticide resistance management and/or IPM recommendations for the specific site and pathogen problems in your area.

For further information or to report suspected resistance contact Syngenta Crop Protection at 1-866-796-4368. You can also contact your university extension specialist to report resistance.

Syngenta encourages responsible product stewardship to ensure effective long-term control of the nematode species and diseases on this label.

4.0 APPLICATION DIRECTIONS

4.1 Methods of Application

Apply Trefinti at rates specified in the use tables (**Sections 6.0 and 7.0**) by ground [or irrigation] equipment only. Where permitted, applications can be made via chemigation as specified. Refer to **Section 4.5** for details of application by chemigation.

Applications to soil can be made by container drenches and broadcast, banded, and directed sprays using application equipment typically used for ground applications, such as, but not limited to:

- Hydraulic boom sprayers
- Mechanically pressurized hand-guns
- Hand-pressurized hand-wand sprayers
- Backpack sprayers
- Irrigation for soil applications (Ornamentals only)

4.2 Application Equipment

4.2.1 CLEANING OF APPLICATION EQUIPMENT

Prior to application, start with clean, well maintained application equipment. Immediately following application, thoroughly clean all application equipment to reduce the risk of forming hardened deposits that can become difficult to remove. Drain application equipment. Thoroughly rinse application equipment and flush hoses, boom, and nozzles with clean water. Clean all other associated application equipment. Take all necessary safety precautions when cleaning equipment. **DO NOT** clean equipment near wells, water sources, or desirable vegetation. Dispose of waste rinse water in accordance with local regulations.

4.2.2 CALIBRATION OF APPLICATION EQUIPMENT

Proper maintenance and calibration of spraying equipment are essential for optimal nematode and disease control. If you have questions about calibration, contact a State Extension Service specialist, the equipment manufacturer, or other experts.

4.2.3 NOZZLES

- Equip sprayers with nozzles that provide accurate and uniform application.
- Nozzles should be the same size and uniformly spaced across the boom.
- Calibrate sprayer before use.
- It is suggested that screens be used to protect the pump and to prevent nozzles from clogging.
- Screens placed on suction side of pump should be 16-mesh or coarser.
- Do not place a screen in the recirculation line.
- Check nozzle manufacturer's recommendations.

4.3 Application Volume and Spray Coverage

Trefinti must be diluted with water before application. Apply in a volume of water that provides good coverage of the foliage or soil, but does not result in run-off or leaching, as specified in the Directions for Use in **Sections 6.0 and 7.0.**

4.4 Mixing Directions

4.4.1 TREFINTI ALONE

1. Fill sprayer tank 1/4 to 1/2 full of water.
2. Always shake container well before use.
3. Add the required amount of Trefinti directly to the sprayer tank.
4. Mix thoroughly to fully disperse and continue agitation to keep the product in suspension. Use mechanical or hydraulic agitation. Do not use air agitation.
5. It is recommended that the mixture is not stored in the spray or mix tank overnight.

4.4.2 TANK-MIX PRECAUTIONS

Trefinti may be tank-mixed with other pesticides. It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions, limitations, 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.

Confirm the safety of all Trefinti tank mixes to the target plants to ensure against plant injury.

4.4.3 TANK-MIX COMPATIBILITY

The physical compatibility of Trefinti will vary with different sources of pesticide products and local cultural practices. To ensure the physical compatibility of the mixture, prepare a mix on a small scale (such as a pint or quart jar) using the proper proportions of pesticides and water.

4.4.4 TREFINTI IN TANK MIXTURES

Always shake each product container well before use. Add different formulation types in the sequence indicated below. Allow time for complete mixing and dispersion after the addition of each product.

1. Water-soluble bags
2. Water-dispersible granules
3. Wettable powders
4. Trefinti and other water-based suspension concentrates
5. Water-soluble concentrates
6. Emulsifiable concentrates
7. Adjuvants, surfactants, oils
8. Soluble fertilizers
9. Drift retardants

4.4.5 SPRAY ADDITIVES

When an adjuvant is to be used with this product, the use of an adjuvant that meets the standards of the Council of Producers and Distributors of Agrotechnology (CPDA) adjuvant certification is recommended.

When making applications to turf, a soil-wetting agent may be used.

4.5 Application through Irrigation Systems (Chemigation)

4.5.1 Application Directions for Irrigation Systems

- Use only on plants for which chemigation is specified on this label.
- Apply this product through [overhead], [hand-held], [micro-irrigation systems], [motorized calibrated irrigation systems], or other methods which apply the product directly to the soil or growing media surface either alone or with other pesticides that are registered for application through irrigation systems. Dilution ratios are typically 1:100 to 1:200.
- **DO NOT** apply this product through any other type of irrigation system.
- Plant injury and/or poor disease control, or illegal pesticide residues can result from non-uniform distribution of treated water.
- If you have questions about calibration, you should contact State Extension Service specialists, 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.
- Use only with drive systems which provide uniform water distribution.
- Chemical tank and injector system should be thoroughly cleaned and flushed with clean water prior to use.
- **DO NOT** apply when winds are greater than 10 mph to avoid drift or wind skips.
- **DO NOT** apply when wind speed favors drift beyond the area intended for treatment.
- Thorough coverage of foliage is required for good control.
- Good agitation should be maintained in the tank during the entire application period.
- Trefinti has not been sufficiently tested via irrigation systems to determine product efficacy.

4.5.2 OPERATING INSTRUCTIONS FOR CHEMIGATION

1. 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 back flow.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back towards the injection pump.
3. 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.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. 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.
6. 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.
7. **DO NOT** apply when wind speed favors drift beyond the area intended for treatment.

Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water.

4.5.3 SPECIFIC INSTRUCTIONS FOR PUBLIC WATER SYSTEMS

1. 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.
2. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone (RPZ), back-flow preventer, 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 should 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.
3. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection.
4. The pesticide injection pipeline must 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.
5. 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.
6. 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.
7. **DO NOT** apply when wind speed favors drift beyond the area intended for treatment.

5.0 USE RESTRICTIONS

See **Sections 6.0** and **7.0** for use-specific restrictions.

5.1.1 FOR ALL USES:

Applications must use a coarse or larger droplet size.

- **DO NOT** use for commercial grass seed production.
- **DO NOT** apply this product aerially.
- **DO NOT** apply by chemigation to turf.
- **DO NOT** apply to fruit trees, nut trees, or vines that will bear harvestable fruit within 12 months.
- **DO NOT** apply Trefinti when lawn weeds are flowering.
- **DO NOT** allow Trefinti to drift to plants that are flowering.
- **DO NOT** apply when wind speed favors drift beyond the area intended for treatment.

5.1.2 FOR RESIDENTIAL TURF:

- **DO NOT** apply Trefinti when lawn weeds are flowering.
- **DO NOT** allow Trefinti to drift to plants that are flowering.

6.0 GOLF COURSES, SOD FARMS AND LAWNS

Apply Trefinti to control listed pests of turf grown on golf courses, sod farms, lawns and turf areas around residential, institutional, public, commercial, and industrial buildings, parks, recreational areas, and athletic fields.

See **Section 10.1** for Tank-Mix Partner Table and Other Referenced Products.

6.1 Broadcast Applications for Nematode Control

Turfgrass (including all cultivars, varieties and/or hybrids)

Turfgrass grown on golf courses, sod farms, athletic fields, lawns on residential or commercial properties, and other recreational areas

Target Pests	Use Rate	Application Interval	Use Directions
Turf-Parasitic Nematodes (including sting, lance, root-knot, ring, spiral, dagger, and sheath)	3.8 – 7.6 fl oz per acre* 0.087 – 0.174 fl oz per 1,000 sq ft	Apply on a 14 – 28-day schedule.	Apply in 1-5 gallons of water per 1,000 square feet of turf. Irrigate with 0.1 to 0.5 inches of water within 24 hours of application. Irrigate to the depth of the turf root zone to be protected. Tank-mixing Trefinti with a soil wetting agent at prescribed use rates may improve infiltration of Trefinti into the root zone and improve performance. Consider applying Trefinti with a soil wetting agent if a soil wetting agent has not recently been applied. Combination treatments of Trefinti and a fungicide, such as Briskway®, Heritage® Action™, Heritage, or Heritage TL, are recommended to reduce fungal infections following nematode feeding. Briskway, Heritage Action, Heritage, or Heritage TL should be watered in with Trefinti.
Anguina stem gall nematode	3.8 – 7.6 fl oz per acre* 0.87 – 0.174 fl oz per 1,000 sq ft	Apply on a 14 – 28-day schedule.	Apply in 1-5 gallons of water per 1,000 square feet of turf. Irrigate within 24 hours of application. Irrigate with 0.125 inches of water. Irrigate to the depth of the turf root zone to be protected. Combination treatments of Trefinti and a fungicide, such as Briskway, Heritage Action, Heritage, or Heritage TL, are recommended to reduce fungal infections following nematode feeding. Briskway, Heritage Action, Heritage, or Heritage TL should be watered in with Trefinti.

*3.8 fl oz product is equivalent to 0.11 lb ai cyclobutrifluram.
7.6 fl oz product is equivalent to 0.22 lb ai cyclobutrifluram.

USE RESTRICTIONS

1) Refer to **Section 5.0** for additional product use restrictions.
2) **Maximum Single Application Rate:**
   - **DO NOT** apply more than 7.6 fl oz of Trefinti per acre (equivalent to 0.22 lb ai cyclobutrifluram/A).
3) **Minimum Application Interval:** 14 days
4) **Maximum Annual Application Rate:**
   - **DO NOT** apply more than 15.2 fl oz of Trefinti per acre per calendar year (0.45 lb ai per acre per calendar year of cyclobutrifluram-containing products).

6.2 Curative Spot Treatments for Nematode Control on Golf Course Greens, Tees, and Fairways

Curative spot treatments are prescribed for controlling nematodes over smaller areas where outbreaks are severe or expected to become severe. To make a curative spot treatment, apply 3.8 fl oz of Trefinti per 10,000 sq ft and repeat up to 4 times a year at the prescribed intervals or apply 7.6 fl oz per 10,000 sq ft and repeat up to 2 times a year at the prescribed intervals. For curative spot treatments, treat no more than 10,000 sq ft per acre per year.

6.3 Broadcast Applications for Disease Control

Turfgrass grown on golf courses, sod farms, athletic fields, lawns on residential or commercial properties, and other recreational areas

Target Pests	Product Use Rate	Application Interval	Use Directions
Spring Dead Spot (*Ophiosphaerella korrae*) or (*Ophiosphaerella narmari*) or (*Ophiosphaerella herpotricha*)	3.8 – 7.6 fl oz per acre* 0.087 – 0.174 fl oz per 1,000 sq ft	Apply on a 14 – 28-day schedule.	Apply preventatively when conditions are favorable for disease development. Watering in with 0.125 to 0.250 inches of irrigation directly after application is recommended.
Mini-Ring or Leaf & Sheath Spot** (*Waitea zeae*)			
Take-all Root Rot** (*Gaeumannomyces* spp.)			
Fairy Ring (*Lycoperdon* spp., *Arachnion* spp., *Bovista* spp., *Vascellum* spp., and *Agrocybe pediades*)	7.6 fl oz per acre* 0.174 fl oz per 1,000 sq ft	Apply on a 14 – 28-day schedule.	For preventative control of fairy ring, apply early in the spring prior to the development of symptoms. Apply in 2-5 gallons water per 1,000 sq ft. Irrigate into the thatch prior to the spray drying. Repeat the application within 14 to 28 days after first application. For curative control, apply as soon as possible after fairy ring symptoms develop. Apply in 2 – 5 gallons water per 1,000 sq. ft. Irrigate lightly after application. Add the recommended rate of a wetting agent to the final spray. Fairy ring symptoms may take 2 to 3 weeks to disappear following application. If the area is hydrophobic, use wetting agents and irrigate prior to application(s) of Trefinti. Repeat application on a 14 to 28-day interval.

*3.8 fl oz product is equivalent to 0.11 lb ai cyclobutrifluram.
7.6 fl oz product is equivalent to 0.22 lb ai cyclobutrifluram.
**Not registered for use by California

USE RESTRICTIONS

1) Refer to **Section 5.0** for additional product use restrictions.
2) **Maximum Single Application Rate:**
   - **DO NOT** apply more than 7.6 fl oz of Trefinti per acre (equivalent to 0.22 lb ai cyclobutrifluram/A).
3) **Minimum Application Interval:** 14 days
4) **Maximum Annual Application Rate:**
   - **DO NOT** apply more than 15.2 fl oz of Trefinti per acre per calendar year (0.45 lb ai per acre per calendar year of cyclobutrifluram-containing products).

7.0 ORNAMENTAL PLANTS AND NON-BEARING (JUVENILE) FRUIT AND NUT TREES, VINES, AND BERRIES

- Apply Trefinti as a container drench, broadcast, or banded treatment to soil/growing substrate. See **Section 4.0** for methods of application and **Tables 7.1.1 to 7.1.2** for specific Directions for Use.
- For maximum residual control, apply at highest listed application rate.
- For broadcast or banded applications, apply in a volume of water sufficient to reach the root zone where soil pests are feeding and for systemic uptake.
- Apply Trefinti to moist soil to achieve even distribution throughout the soil profile or water in the product after application.
- Use properly calibrated application equipment that will produce a uniform, coarse droplet spray, using a low pressure setting to eliminate off-target drift.

7.1.1 CONTAINER AND SOIL DRENCH APPLICATIONS

For application to field and container grown plants produced in greenhouses and nurseries (including shade houses, lath houses, and other outdoor growing structures), evergreen (including conifer) and deciduous tree nurseries and forest nurseries, Christmas tree farms, residential and commercial landscapes, parks, and interior plantscapes.

Breeding crops Bulb, corm, and tuber crops (such as tulips, calla lilies) Evergreens, including conifers Flowering plants Flowers grown for seed production	Foliage plants Ground covers Fruit and Nut Trees - Non-bearing (juvenile)* Ornamental grasses Ornamental trees Palms	Perennial plants Pot and bedding plants Shrubs Succulents Vines and Berries - Non-bearing (juvenile)*

Target Pests	Product Dilution	Application Timing	Use Directions
Root Knot Nematode	3.8 – 6.4 fl oz** per 100 gallons	Apply preventatively or immediately after plant damage is observed. Repeat treatment to maintain control using the higher listed application rates as pest pressure and foliage area increases.	Apply via chemigation or ground equipment. Mix Trefinti with the required amount of water and apply as a container drench at 1 – 2 pints of solution per square foot of growing substrate surface.
Foliar Nematode (suppression)	3.8 – 6.4 fl oz** per 100 gallons		
Fusarium spp.*** *Alternaria* spp.*** *Sclerotinia sclerotiorum**** *Cercospora* spp.*** Powdery Mildew (*Golovinomyces, Erysiphe, Podosphaera*)*** *Corynespora* spp.*** Rose Black Spot (*Diplocardon rosae*)*** Botrytis (Foliar supression only)*** *Septoria* spp.***	3.8 – 6.4 fl oz** per 100 gallons	Apply preventatively prior to disease symptoms	Apply via chemigation or ground equipment. Mix Trefinti with the required amount of water and apply as a container drench at 1 – 2 pints of solution per square foot of growing substrate surface.

*Trefinti may be applied to juvenile (or non-bearing) fruit and nut trees, vines, and berry plants in commercial greenhouse and nursery production grown for retail sale. **DO NOT** make applications to plants that will bear harvestable fruit within 12 months.

**3.8 fl oz product is equivalent to 0.11 lb ai cyclobutrifluram.

6.4 fl oz product is equivalent to 0.187 lb ai cyclobutrifluram.

USE RESTRICTIONS

1) Refer to **Section 5.0** for additional product use restrictions.
2) **Maximum Single Application Rate:**
   - **DO NOT** apply more than 6.4 fl oz of Trefinti per acre (0.73 fl oz of Trefinti per 5000 sq ft) or 0.187 lb ai per acre per crop from any cyclobutrifluram-containing products.
3) **Maximum Annual Application Rate:**
   - For ornamental production in structures such as greenhouses, shade houses, and lath houses and outdoor containerized production, **DO NOT** apply more than 12.8 fl oz of Trefinti per acre (1.47 fl oz of Trefinti per 5000 sq ft) per crop or 0.375 lb ai per acre per crop from any cyclobutrifluram-containing products.
   - For outdoor, field-grown production, **DO NOT** apply more than 12.8 fl oz of Trefinti per acre (or 0.375 lb ai per acre from any cyclobutrifluram-containing products) per calendar year. **DO NOT** apply more than 2 applications of Trefinti at the highest labeled rate (6.4 fl oz per acre) per calendar year.
4) **DO NOT** apply more than once every 14 days.
5) **DO NOT** apply to fruit and nut trees, vines, or berry plants that will bear harvestable fruit within 12 months.
6) *** Not registered for use by California

7.1.2 SOIL APPLICATIONS (BROADCAST OR CHEMIGATION)

For broadcast soil surface application to field and container grown plants produced in greenhouses and nurseries (including shade houses, lath houses, and other outdoor growing structures), evergreen (including conifer) and deciduous tree nurseries and forest nurseries, Christmas tree farms, residential and commercial landscapes, parks, and interior plantscapes.

Breeding crops Bulb, corm, and tuber crops (such as tulips, calla lilies) Evergreens, including conifers Flowering plants Flowers grown for seed production	Foliage plants Ground covers Fruit and Nut Trees - Non-bearing (juvenile)* Ornamental grasses Ornamental trees Palms	Perennial plants Pot and bedding plants Shrubs Succulents Vines and Berries - Non-bearing (juvenile)*

Target Pests	Product Rate	Application Timing	Use Directions
Root Knot Nematode Foliar Nematode (suppression)	3.8 – 6.4 fl oz per acre**	Apply preventatively or immediately after plant damage is observed. Repeat treatment to maintain control using the higher listed application rates as pest pressure and foliage area increases.	Apply via chemigation or ground equipment. Mix Trefinti with the required amount of water and apply as a broadcast or banded application.

*Trefinti may be applied to juvenile (or non-bearing) fruit and nut trees, vines, and berry plants in commercial greenhouse and nursery production grown for retail sale. **DO NOT** make applications to plants that will bear harvestable fruit within 12 months.
**3.8 fl oz product is equivalent to 0.11 lb ai cyclobutrifluram.
6.4 fl oz product is equivalent to 0.187 lb ai cyclobutrifluram.

USE RESTRICTIONS

1) Refer to **Section 5.0** for additional product use restrictions.
2) **Maximum Single Application Rate:**
   - **DO NOT** apply more than 6.4 fl oz of Trefinti per acre (0.73 fl oz of Trefinti per 5000 sq ft).
3) **Maximum Annual Application Rate:**
   - For ornamental production in structures such as greenhouses, shade houses, and lath houses and outdoor containerized production, **DO NOT** apply more than 12.8 fl oz of Trefinti per acre (1.47 fl oz of Trefinti per 5000 sq ft) per crop or 0.375 lb ai per acre per crop from any cyclobutrifluram-containing products.
   - For outdoor, field-grown production, **DO NOT** apply more than 12.8 fl oz of Trefinti per acre (or 0.375 lb ai per acre from any cyclobutrifluram-containing products) per calendar year. **DO NOT** apply more than 2 applications of Trefinti at the highest labeled rate (6.4 fl oz per acre) per calendar year.
4) **DO NOT** apply more than once every 14 days.

8.0 STORAGE AND DISPOSAL

STORAGE AND DISPOSAL

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

Pesticide Storage

Keep this product in its tightly closed original container, when not in use. Store in a cool, dry (preferably locked) area that is inaccessible to children and animals.

Pesticide Disposal

Pesticide wastes may be hazardous. 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 of the nearest EPA Regional Office for guidance.

Container Handling (less than or equal to 5 gallons)

Non-refillable 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 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 and 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, or by other procedures approved by state and local authorities.

Container Handling (greater than 5 gallons)

Non-refillable 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. 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 if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

continued…

STORAGE AND DISPOSAL *(continued)*

Container Handling (greater than 5 gallons)

Refillable container. Refill this container with pesticide 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 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. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER.

9.0 CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, LLC or Seller. To the extent permitted by applicable law, Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, when used in accordance with directions under normal use conditions. To the extent permitted by applicable law: (1) this warranty does not extend to the use of the product contrary to label instructions or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and (2) Buyer and User assume the risk of any such use. TO THE EXTENT PERMITTED BY APPLICABLE LAW, SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.

To the extent permitted by applicable law, in no event shall SYNGENTA be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and of Liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

10.0 APPENDIX

10.1 Tank-Mix Partner Table and Other Referenced Products

Product Name	EPA Registration Number	Active Ingredient(s)
Briskway	100-1433	azoxystrobin/difenoconazole
Heritage	100-1093	azoxystrobin
Heritage Action	100-1550	azoxystrobin/acibenzolar-S-methyl
Heritage TL	100-1191	azoxystrobin

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For non-emergency (e.g., current product information), call Syngenta Crop Protection at 1-866-796-4368.

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