

*Disarm*<sup>®</sup>

*With Xylem Pro Technology™*

**THE SYSTEM THAT  
PUTS YOU IN CONTROL**



Arysta LifeScience



# DISARM® Fungicides. The Complete Control System™

The DISARM® Complete Control System™ gives you the ability to customize your fungicide program based on your specific conditions. DISARM, DISARM C, DISARM M and DISARM G fungicides provide premier strobilurin disease control performance and value throughout the entire season. And, DISARM fungicides are rainfast in 15 minutes, giving you greater flexibility and the freedom to treat your operation according to your needs.

Each product is specifically tailored to climate region, disease history and turfgrass variety. Alone, or in chlorothalonil-based or DMI-based premixes, the DISARM Complete Control System allows you to customize your application – giving you complete control.

Plus, DISARM fungicides are the first and only strobilurins labeled by the EPA for maximum control of light-to-moderate dollar spot infestations, making it the best value in the category. And it's so reliable, there have been no complaints since it was introduced.

**For reliable and complete disease control, look no further than DISARM.**

Disarm®  
With Xylem Pro Technology™

Disarm® C

Disarm® M

Disarm® G

Endorse

Disarm®  
With Xylem Pro Technology™

**DISARM® Fungicide**  
**ACTIVE INGREDIENT: FLUOXASTROBIN**

## Unsurpassed greens disease control with fairway affordability.

DISARM® Fungicide with Xylem Pro Technology™ gets into turf within fifteen minutes for fast, reliable protection. This innovative new technology provides the same plant health benefits as leading strobilurins along with preventative control of key diseases for total protection. It just does it faster. Faster uptake means faster protection from environmental threats like rain, heat, humidity and drought.

University trials and use on leading courses prove that DISARM, with fluoxastrobin, provides maximum strobilurin disease control at a competitive cost per acre, making it affordable for use on fairways, tees and greens.

Apply DISARM early in summer for broad-spectrum disease control or in late July – August to target Pythium. For maximum Pythium control activity, DISARM can be used alone or tank-mixed with Subdue MAXX™ (mefenoxam).

DISARM, along with DISARM C, also delivers highly effective snow mold solutions. DISARM will provide good control of pink snow mold (*Fusarium nivale*) and gray snow mold (*Typhula incarnata*, *Typhula ishikariensis*) under light-to-moderate conditions.

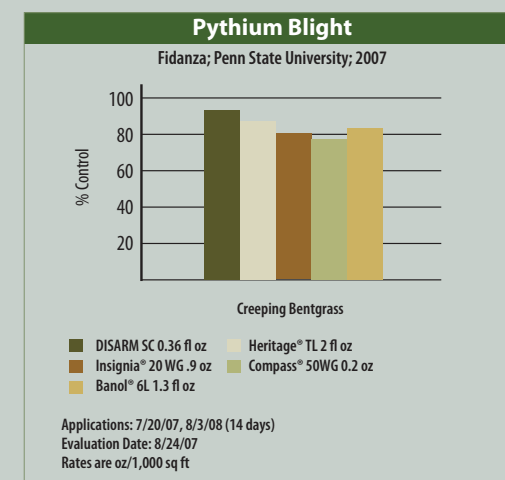
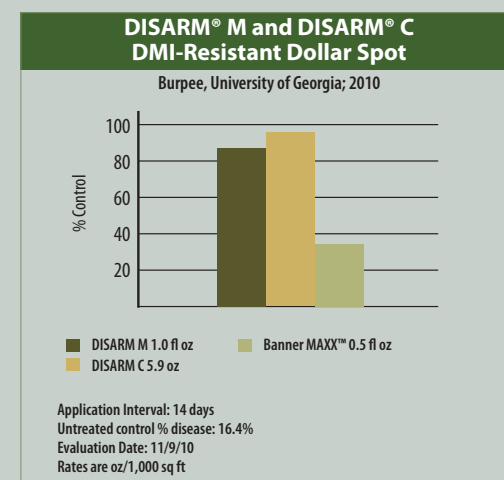


**DISARM is an ideal fit as  
a foundation strobilurin  
fungicide.**

Used alone or tank-mixed with DMI or contact products, DISARM controls all major turfgrass diseases, including:

**Anthracnose**  
**Brown Patch**  
**Zoysia Patch**  
**Summer Patch**  
**Gray Leaf Spot**  
**Pythium**  
**Snow Mold**  
**Spring Dead Spot**  
**Other major patch, spot  
and mold diseases**

## University trials prove the outstanding performance of the DISARM® line of fungicides vs. other strobilurins.





DISARM C gives you two modes of activity against dollar spot, brown patch and other major diseases.

**CONTACT CONTROL:** The active ingredient in DISARM C (chlorothalonil) is a time-proven, multi-site inhibitor contact material that provides excellent activity on dollar spot and other fungal pathogens by forming a barrier between pathogens and susceptible leaf tissue. Pathogenic fungi coming into contact with chlorothalonil die instantly.

**PREVENTIVE, SYSTEMIC CONTROL:** Unlike competitive strobilurins, fluoxastrobin, the other ingredient in DISARM C, is proven to possess unique activity on dollar spot, and is labeled for control of light-to-moderate infestations. DISARM C penetrates leaf tissue and locks into the cuticle, creating a reservoir of protection against infections, allowing translaminar and xylem-systemic movement throughout the plant. Root uptake also continually replenishes the plant with fluoxastrobin to provide long residual control of brown patch LDH and other turf pathogens.

DISARM C vs Renown™

- DISARM C offers a higher rate of chlorothalonil per acre when applied at the full rate of 16 pints per acre (8 pounds of active ingredient per acre).
- Renown™ cuts the rate of chlorothalonil per acre by approximately 10% when applied at the high rate of 4.5 ounces per 1,000 square feet (7.3 pounds of active ingredient per acre).
- DISARM C offers residual of up to 7 days longer on virtually every labeled disease.



DISARM® C Fungicide

ACTIVE INGREDIENTS:  
FLUOXASTROBIN + CHLOROTHALONIL

Total disease protection in one container.

DISARM® C provides unsurpassed broad-spectrum protection against 30 widely prevalent diseases, plus two proven modes of activity on dollar spot.

The combination of fluoxastrobin and chlorothalonil in one product provides a built-in resistance management strategy while enhancing the activity of each active ingredient against difficult-to-control turf pathogens. There is simply no easier, more cost-efficient or worry-free way to protect your golf or lawn operation.

DISARM C has an advanced SC liquid formulation which gives you improved product stability in the jug and in the tank, consistent disease control performance and more efficient spraying and application coverage versus some generic chlorothalonil or combination products.

Watch out for ‘Me-Too’ products that cut the amount of chlorothalonil in the formulation which will lower your disease protection.

| Disease                                  | DISARM C Control | Residual Days | Renown™ Control | Residual Days |
|--|------------------|---------------|-----------------|---------------|
| Algae                                    | ✓                | 7 - 14        | ✓               | 7 - 14        |
| Anthracnose                              | ✓                | 14 - 28       | ✓               | 7 - 21        |
| Brown Patch                              | ✓                | 14 - 28       | ✓               | 14 - 21       |
| Copper Spot                              | ✓                | 14            | ✓               | 14            |
| Dicondra Leaf Spot                       | ✓                | 14            | NOT LABELED     |               |
| Dollar Spot                              | ✓                | 14 - 21       | ✓               | 7 - 14        |
| Fairy Ring                               | ✓                | 21 - 28       | NOT LABELED     |               |
| Michrodochium Nivale (formerly fusarium) | ✓                | 28            | ✓               | 14 - 21       |
| Gray Leaf Spot                           | ✓                | 14 - 28       | ✓               | 10 - 14       |
| Gray Snow Mold                           | ✓                | 28            | NOT LABELED     |               |
| Pink Snow Mold                           | ✓                | 28            | ✓               | 14 - 21       |
| Zoysia Patch                             | ✓                | 14 - 28       | ✓               | 14 - 21       |
| Leaf Spot                                | ✓                | 14 - 21       | ✓               | 14 - 21       |
| Melting-Out                              | ✓                | 14 - 21       | ✓               | 14 - 21       |
| Pink Patch                               | ✓                | 14 - 28       | ✓               | 14 - 21       |
| Powdery Mildew                           | ✓                | 14 - 28       | ✓               | 14 - 21       |
| Pythium Blight                           | ✓                | 7 - 14        | NOT LABELED     |               |
| Pythium Damping Off                      | ✓                | 7 - 10        | NOT LABELED     |               |
| Pythium Root Rot                         | ✓                | 7 - 10        | NOT LABELED     |               |
| Red Thread                               | ✓                | 14 - 28       | ✓               | 14 - 21       |
| Rust                                     | ✓                | 14 - 28       | ✓               | 14 - 21       |
| Southern Blight                          | ✓                | 14 - 28       | ✓               | 14 - 21       |
| Spring Dead Spot                         | ✓                | 14 - 28       | NOT LABELED     |               |
| Summer Patch                             | ✓                | 14 - 28       | NOT LABELED     |               |
| Take-all Patch                           | ✓                | 14 - 28       | NOT LABELED     |               |
| Yellow Patch                             | ✓                | 14 - 28       | ✓               | 14 - 28       |
| Zoysia Large Patch                       | ✓                | 14 - 28       | ✓               | 14 - 21       |



DISARM® M Fungicide

ACTIVE INGREDIENTS:  
FLUOXASTROBIN + MYCLOBUTANIL

Two modes of systemic activity.

DISARM® M Fungicide is a soluble concentrate combining two systemic ingredients: fluoxastrobin, a patented strobilurin formulation, and myclobutanil, a DMI class of chemistry possessing preventive and curative protection, providing two complementary modes of activity.

The dual activity of DISARM M makes it an excellent choice as a broad-spectrum fungicide for turf disease management programs. DISARM M can also be tank-mixed or alternated with other labeled fungicides to control key fungal diseases that attack most, if not all, major turfgrass varieties.

Both ingredients penetrate leaf tissue and move rapidly into the root zone to stop and prevent further diseases, becoming rainfast in as little as fifteen minutes. Two modes of activity, protecting both the root and leaf enable DISARM M to control a broad spectrum of diseases, while also optimizing resistance management.

**DISARM M features an advanced polymeric formulation** designed to optimize both ingredient rates and ensure the most efficient spray application, turf plant coverage and disease control efficacy. This unique formulation has exceptional tank-mix compatibility and stability with other products. DISARM M is available in a 64 oz. container for convenient transport, storage and application.

DISARM M fits perfectly in spring weather applications.

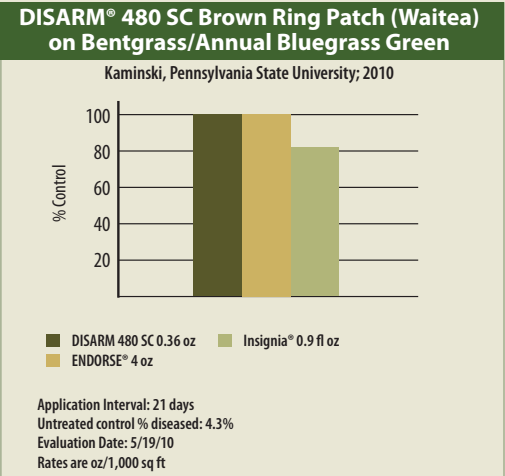
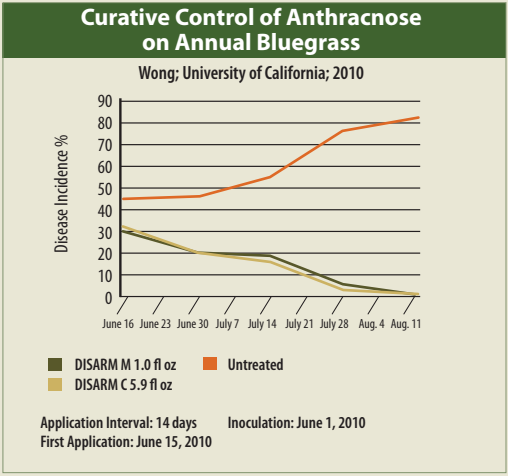
DISARM M provides effective control of major foliar diseases in June on bentgrass, Kentucky bluegrass and annual bluegrass (*Poa annua*) turf, including:

- Anthracnose
- Dollar Spot
- Summer Patch
- Brown Patch
- Gray Leaf Spot
- Pythium
- Red Thread
- Snow Mold
- Spring Dead Spot
- Take-all Patch
- Zoysia Patch and many other problem diseases

DISARM M can also be applied effectively in the fall.

Apply DISARM M either in early fall overseeding operations in cool-season and dormant warm-season turfgrass or later in northern-climate snow mold applications during October – December.

University trials prove the active ingredients in DISARM products provide exceptional disease control.





## DISARM® G Fungicide

**ACTIVE INGREDIENTS:  
GRANULAR FLUOXASTROBIN**

### The Spreadable Solution™

The granular fluoxastrobin formulation of DISARM® G fits your lawn turf application requirements and is economically priced to give your lawn care accounts the same premium strobilurin disease control used on golf courses.

The root-systemic activity of DISARM G allows turf plants to readily absorb the fluoxastrobin and translocate it throughout the plant, providing long-lasting, continuous control of invasive fungi from within the plant.

**Broad-spectrum for more disease control per dollar**

**Excellent disease control to improve customer service and help reduce callbacks**

**Cost-effective disease control to retain more accounts and increase profitability**

**Complete lawn turf disease protection that fits your application requirements**

**The proven turf quality ratings demonstrated by DISARM G help you provide healthier turf and better customer service.** The long residual activity of DISARM G Fungicide has resulted in outstanding turf quality ratings in field trials, delivering great stress tolerance, turf recovery and healthier turf appearance. Excellent turf quality helps you increase customer satisfaction, retain more of your current accounts, gain new account referrals and help boost your profitability.



## ENDORSE® Fungicide

**ACTIVE INGREDIENT: POLYOXIN-D**

In addition to DISARM®, Arysta LifeScience also offers ENDORSE® Fungicide, a broad-spectrum bio-fungicide with a unique mode of action.

**Systemic, foliar-applied fungicide.** ENDORSE can be used to control and suppress certain diseases on golf courses, residential lawns, parks and commercial and institutional grounds on cool-and warm-season grasses, including bluegrass, bentgrass, fescue, ryegrass, zoysia grass or their mixtures.

**ENDORSE works like no other fungicide, yet is compatible with all others.** ENDORSE WP obstructs the production of chitin essential for fungal cell walls, while inhibiting spore germination and mycelium growth.

**In other words,** ENDORSE attacks turf disease through both foliar and translaminar systemic activity and can be used either preventively or curatively. For resistance management programs, ENDORSE is ideal for rotation or tank-mixing with other classes of fungicides, like DISARM, DISARM C or DISARM M fungicides.

This distinctive biological mode of action, coupled with foliar and translaminar systemic activity is why ENDORSE provides exceptional protection against problem turf diseases, including:

**Basal and Foliar Anthracnose**

**Brown Patch**

**Fairy Ring**

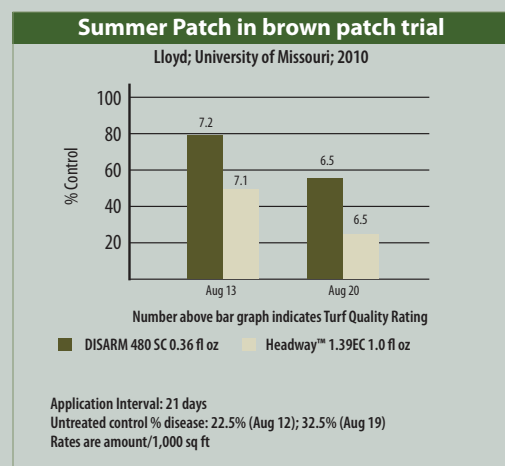
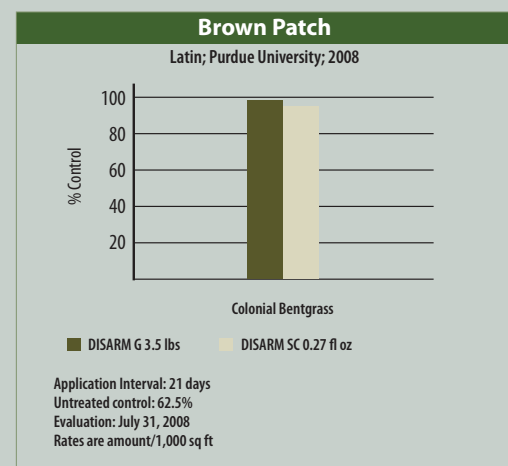
**Red Thread and other Leaf Spot**

**Snow Molds**

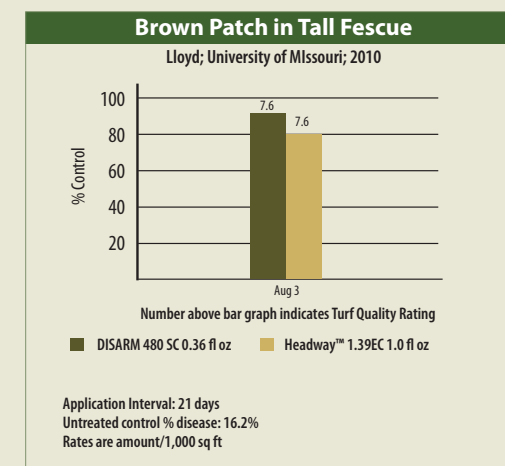
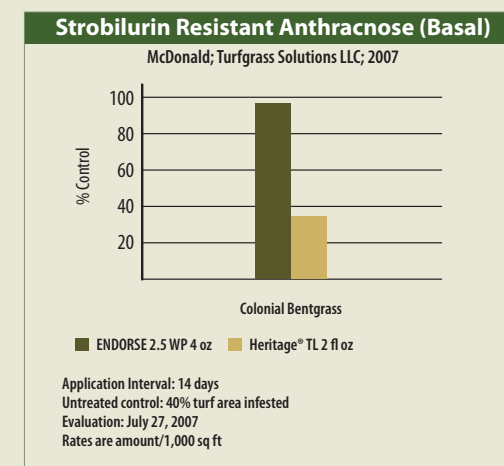
**Zoysia Patch**



### DISARM is complete disease control.



### Proven in university trials to provide broad-spectrum control of major diseases.



## **Improve your disease control program.**

Contact your local Arysta LifeScience Turf & Ornamental sales manager,  
**call toll-free (866) 761-9397** or visit **[www.TotalDiseaseControl.com](http://www.TotalDiseaseControl.com)**  
to learn about the DISARM® line of fungicides and ENDORSE® bio-fungicide.

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