

Innovative Solutions for Enhanced Turf Performance

Syngenta is committed to providing golf course superintendents with innovative agronomic solutions that can lead to unrivaled turf quality. With our industry-leading products and agronomic programs that have been thoroughly researched by our technical experts, the Syngenta portfolio offers proven tools for managing biotic and abiotic stress year after year.



syngenta[®]

Fungicides

Appear[®] II Fungicide

- Provides a deep, natural green color while enhancing turf quality and stress tolerance
- Controls important diseases such as *Pythium*, and is ideal for use in agronomic programs with Daconil[®] Action™ or Secure[®] Action fungicides for increased control of anthracnose, summer decline and more

Ascernity[®] Fungicide

- Combines SOLATENOL[®] SDHI technology and *difenoconazole*, the cooling DMI, to control key cool- and warm-season turf diseases including dollar spot, gray leaf spot, brown patch and anthracnose
- Provides excellent turf safety with no heat restrictions even in summer when disease pressure is high
- The industry standard for *Rhizoctonia* control
- Part of the GreenTrust[®] 365 Snow Mold Guarantee and the GreenTrust 365 Large Patch Guarantee

Banner Maxx[®] II Fungicide

- Systemically controls more than 20 diseases, including dollar spot, leaf spot, patch diseases and snow mold

Briskway[®] Fungicide

- Contains *azoxystrobin* and *difenoconazole*, the cooling DMI, which work together to control over 20 summer turf diseases
- Can be used in high heat and humidity on sensitive turf species without temperature restrictions or negative plant growth regulation (PGR) effects
- Now you can turn up your control with enhanced labeled rates for application flexibility
- Part of the GreenTrust 365 Fairy Ring Guarantee and the GreenTrust 365 Spring Dead Spot + Take-All Root Rot Guarantee

Concert[®] II Fungicide

- Includes two active ingredients to help prevent more than 13 diseases, including snow mold
- Contains a multi-site mode of action to help delay resistance

Daconil[®] Action™ Fungicide

- Fortified with *acibenzolar-S-methyl* to stimulate the plant's natural defenses against diseases like dollar spot, algae and anthracnose for improved turf quality all season
- Helps turf quickly recover from stress like heat, drought and aerification
- Daconil Ultrex[®], Daconil Weatherstik[®] and Daconil Zn[®] Flowable formulations are also available*

Headway[®] Fungicide

- Offers excellent broad-spectrum disease control on cool- and warm-season turf species, including spring dead spot, take-all root rot, take-all patch, summer patch, leaf spot and fairy ring
- Combines two systemic active ingredients with different modes of action, providing an excellent rotation product in agronomic programs to help delay resistance

Heritage[®] Action Fungicide

- Fortified with *acibenzolar-S-methyl* to stimulate the plant's natural defenses and systemically protect against a broad spectrum of diseases for improved turf quality all season
- Helps turf quickly recover from stress like heat, drought and aerification
- Heritage[®] and Heritage G formulations are also available*

Instrata[®] Fungicide

- Protects greens and tees against pink and gray snow mold and spring diseases such as anthracnose
- Contains three active ingredients and multiple modes of action for resistance management
- The industry-standard for snow mold control that is assured for 130 days under snow cover
- Part of the GreenTrust 365 Snow Mold Guarantee

*Benefits of these formulations may vary.

Medallion^{SC} Fungicide

- Quickly targets pathogen spores to stop germination of key diseases, including snow mold, anthracnose, bermudagrass leaf spot and bentgrass dead spot
- Contact fungicide that protects on the leaf surface, in the thatch and at the soil surface to quickly reduce disease infection

Posterity Fungicide

- Provides up to 28 days of dollar spot control and delivers robust, consistent spring dead spot control
- Contains ADEPIDYN[®] technology and is ideal for use in agronomic programs with Secure Action and Daconil Action for resistance management and broader-spectrum control

Posterity^{Forte} Fungicide

- Offers increased spring dead spot control, excellent control of dollar spot for up to 28 days, plus leaf spot, brown patch and take-all root rot control
- Part of the GreenTrust 365 Spring Dead Spot + Take-All Root Rot Guarantee
- Contains three leading active ingredients in different FRAC groups, including ADEPIDYN technology, for enhanced control, spectrum and resistance management

Posterity^{XT} Fungicide

- Provides up to 28 days of control of more than 20 diseases including brown patch, summer patch and dollar spot
- Contains three leading active ingredients in different FRAC groups, including ADEPIDYN technology, for enhanced control, spectrum and resistance management
- Part of the GreenTrust 365 Snow Mold Guarantee, GreenTrust 365 Fairy Ring Guarantee and the GreenTrust 365 Large Patch Guarantee

Renown Fungicide

- Controls and prevents key diseases via contact and systemic activity, including dollar spot, brown patch, yellow patch, powdery mildew and red thread
- Dual modes of action ensure proper resistance management

Secure^{Action} Fungicide

- Fortified with *acibenzolar-S-methyl* to stimulate the plant's natural defenses against diseases like dollar spot for up to 21 days plus bermudagrass leaf spot, while improving turf quality all season
- Helps turf quickly recover from stress like heat, drought and aerification
- Secure formulation is also available*

Subdue^{Maxx} Fungicide

- Provides contact and systemic protection against *Pythium* blight, *Pythium* damping-off and yellow tuft (downy mildew)
- An excellent tank-mix partner with *Appear*[®] II and Daconil Action fungicides in agronomic programs because of its efficacy and long residual of up to 21 days

Tuque^{exoGEM} Fungicide

- Excellent control of summer diseases including anthracnose, leaf spots and brown ring patch
- Advanced exoGEM[™] formulation technology for enhanced performance
- Part of the GreenTrust 365 Snow Mold Guarantee

Velista Fungicide

- Broad-spectrum SDHI that provides excellent anthracnose control on golf course turf
- Also protects against dollar spot, brown patch, spring dead spot, rapid blight, fairy ring and more
- Part of the GreenTrust 365 Fairy Ring Guarantee

*Benefits of these formulations may vary.

Plant Growth Regulators

PrimoMaxx Plant growth regulator

- Foliar absorbed to slow turf growth and promote denser, healthier turf that is better able to withstand stress including heat, drought, disease and traffic
- Boosts course aesthetics, enhances playability, improves pre-stress conditioning and conserves valuable resources like labor and equipment

Trimmit 2SC Plant growth regulator

- Primarily absorbed through roots, so growth regulation is delayed, making it ideal for use with Primo Maxx® plant growth regulator for long-term growth regulation
- Sensitivity of *Poa annua* to Trimmit® 2SC plant growth regulator allows desirable turfgrass to crowd out and out-compete regulated *Poa annua*

Herbicides

Barricade 4FL Herbicide

- Guaranteed to provide long-lasting, preemergent weed control with one application
- Labeled to control more than 30 weeds, including summer and winter annuals
- Barricade® 65 WG and Barricade on-fertilizer formulations are also available*

Fusilade II Herbicide

- Offers selective post-emergent control of many perennial and annual grassy weeds in a variety of turf and landscape areas
- Allows for higher rates to be used for non-selective control of grasses during renovations
- Removes bermudagrass from zoysiagrass and St. Augustinegrass with unparalleled turf safety when tank mixed with Recognition® herbicide

Manuscript Herbicide

- Controls mature, grassy weeds, including crabgrass, tropical signalgrass and more
- Provides an option for controlling ryegrass in *Poa annua* turf, as well as foxtails, ryegrass and barnyardgrass in native and low-maintenance fine fescue turf
- Packaged with Adigor™ surfactant from Syngenta, which is custom-built for use with Manuscript® herbicide to provide greater application reliability and outstanding turf safety

Monument 75WG Herbicide

- Provides post-emergent control of all major sedges and more than 40 other weeds in bermudagrass and zoysiagrass
- Removes cool-season grasses from certain established warm-season turf to help simplify overseeding transitions

Pennant Magnum Herbicide

- Prevents germination of more than 20 weeds, including goosegrass, yellow nutsedge, smooth crabgrass and large crabgrass
- Can be used in a wide range of warm-season turfgrasses, including bermudagrass, zoysiagrass, bahiagrass, centipedegrass and St. Augustinegrass

Princep Liquid Herbicide

- Provides preemergent control of annual bluegrass, burclover, lawn burweed, common and mouseear chickweed, henbit and more
- Can be applied in the fall to control winter annual weeds including *Poa annua*, even on semi-dormant turf with no green-up delay

Recognition Herbicide

- Controls 40+ broadleaf weeds including all major sedges, dollarweed, clover and more
- Safens certain other herbicides when tank mixed for faster, broader-spectrum control in St. Augustinegrass and zoysiagrass
- Selectively removes bermudagrass from zoysiagrass and St. Augustinegrass with unparalleled turf safety when tank mixed with Fusilade® II herbicide

Reward Landscape and aquatic herbicide

- Ideal for non-selective weed control and burn-down in turf and landscapes including as a trim and edge tool
- Offers pre and post-emergent control of more than 46 broadleaf weed and grass species, including crabgrass, ground ivy, yellow foxtail, yellow nutsedge and unwanted bentgrass

Tenacity Herbicide

- In Florida, provides post-emergent control of goosegrass in bermudagrass when tank mixed with Princep® Liquid and Pennant Magnum® herbicides
- Can be used at seeding to reduce weed competition so new turf can establish faster

*Benefits of these formulations may vary.

Insecticides

Acelepryn[®] Insecticide

- Offers season-long control of grubs and turf caterpillars with a single application as well as key pests like adult beetles and foliar-feeding caterpillars on landscape ornamentals
- Critical component of the WeevilTrakSM optimum control strategy for annual bluegrass weevil (ABW) larvae
- Acelepryn[®] insecticide on-fertilizer formulation is also available*

Acelepryn[®] **Xtra** Insecticide

- Two modes of action provide enhanced control, a wider application window and broader-spectrum insect control than the original Acelepryn
- Season-long control of grubs, billbugs and caterpillars with just one application, including early curative grub control
- Additional control of ants
- Enhanced chinch bug control, including at least three months of southern chinch bug control

Advion[®] Fire ant bait

- Fast-acting for total colony control within 24-72 hours
- Can be applied as a broadcast or mound treatment to control all fire ant life stages
- Part of the Advion[®] Fire Ant Bait Guarantee

Advion[®] Insect granule

- Highly attractive bait quickly controls mole crickets, cockroaches, earwigs, crickets and more
- Features a broad range of application use sites with minimal impact on non-target organisms

Divanem[®] Nematicide

- Offers broad-spectrum control of root-knot, spiral, sting and lance nematodes via broadcast or spot treatment applications
- Also available in a spot treatment rate to control *Anguina* nematodes
- Ideal for use with Heritage Action fungicide to help manage nematodes, diseases and abiotic stressors and to prevent the onset of resistance

FERENCE[®] Insecticide

- Essential part of WeevilTrak to control all larval stages of ABW, which improves control of asynchronous populations
- Offers a longer residual control than competitive products
- Also controls billbugs, European crane flies, white grubs, turf caterpillars and suppresses chinch bugs

Meridian[®] **25WG** Insecticide

- Provides up to 90 days of southern chinch bug control in St. Augustinegrass
- Offers preventive and curative control of a variety of beetles, including larvae of Asiatic garden beetles, Japanese beetles, May and June beetles, European crane fly and chafers
- Preventive applications maintain efficacy in the soil even if there is no rain or irrigation for up to seven days after application

Provaunt[®] **WDG** Insecticide

- Recommended as part of WeevilTrak to control late-instar ABW larvae and help manage resistance
- Part of the GreenTrust 365 Mole Cricket Guarantee
- Also controls European crane flies and turf caterpillars (including armyworms, cutworms and sod webworms)

Scimitar[®] **GC** Insecticide

- Provides time-released control of ants, adult beetles, crickets, chiggers, fleas and ticks
- Recommended as a part of WeevilTrak to control ABW adults

Insecticide/Fungicide

Caravan[®] **G** Insecticide/fungicide

- Combines a powerful insecticide and fungicide with a single application
- Controls grubs (including early curative), chinch bugs, sod webworms and more
- Controls 20+ diseases including brown patch, red thread and leaf spot

*Benefits of these formulations may vary.
Scimitar GC and Divanem are Restricted Use Pesticides.

Digital Tools to Take Your Course to the Next Level

In addition to its product portfolio, Syngenta offers many tools and programs on [GreenCastOnline.com](https://www.GreenCastOnline.com). **Sign up for alerts** and receive relevant information to help you improve your turf all season.



Simply scan these QR codes with your smartphone camera to learn more.



Condition. Perform. Recover.

Resources to help you and your turf be properly conditioned to perform well and recover quickly from stress.

[GreenCastOnline.com/ConditionPerformRecover](https://www.GreenCastOnline.com/ConditionPerformRecover)



GreenCast Turf App

Free app for streamlining tank-mixing calculations and record-keeping.

[GreenCastOnline.com/TurfApp](https://www.GreenCastOnline.com/TurfApp)



Cooling Degree Day Alerts

Measure the accumulation of cooling below a set air temperature threshold to help you time fall herbicide applications to control dallisgrass.

[GreenCastOnline.com/CoolingDegreeDays](https://www.GreenCastOnline.com/CoolingDegreeDays)



Growing degree day model

Monitors heat accumulation and weather patterns in your area to help refine product application timing.

[GreenCastOnline.com/GrowingDegreeDays](https://www.GreenCastOnline.com/GrowingDegreeDays)



Dollar spot alerts

Notifications about dollar spot risk in your area.

[GreenCastOnline.com/DollarSpot](https://www.GreenCastOnline.com/DollarSpot)



Soil temperature maps

Automated turf pest alerts based on local soil temperatures.

[GreenCastOnline.com/SoilTemperature](https://www.GreenCastOnline.com/SoilTemperature)



GreenTrust 365 program

Maximize your purchasing power with yearlong rebates, pallet solutions, product guarantees, rebate calculators and more.

[GreenTrust365.com/Golf](https://www.GreenTrust365.com/Golf)



Turfgrass Disease Identification Guide

Use our online guide to help diagnose key turfgrass diseases.

[GreenCastOnline.com/DiseaseGuide](https://www.GreenCastOnline.com/DiseaseGuide)



GreenCast Advisory emails

Tips, updates and news from Syngenta technical experts to help you stay ahead of the game.

[GreenCastOnline.com/GreenCastAdvisories](https://www.GreenCastOnline.com/GreenCastAdvisories)



WeevilTrak

Tracking and product recommendations for ABW control, plus insights via blog posts from independent researchers.

[WeevilTrak.com](https://www.WeevilTrak.com)



Turf Agronomic Programs

Syngenta offers more than 60 agronomic programs to help superintendents plan appropriately for the season ahead. Each program has been thoroughly researched and tested by Syngenta technical experts to provide:

- ✓ Comprehensive, season-long pest management
- ✓ Proper product rotation to help manage resistance
- ✓ Focus on preventive treatments to help save time and resources
- ✓ Turf that is prepared for periods of heavy stress to help maintain aesthetics and playability
- ✓ Accurate product calculations based on course acreage

Download a free agronomic program at [GreenCastOnline.com/Programs](https://www.GreenCastOnline.com/Programs)





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