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.
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 (*benzovindiflupyr*) and *difenconazole*, the cooling DMI, to control key cool- and warm-season turf diseases including dollar spot, gray leaf spot, brown patch and anthracnose
- Delivers extended control of large patch as the cornerstone of the Syngenta Large Patch Assurance program
- Provides excellent turf safety with no heat restrictions even in summer when disease pressure is high

**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 *difenconazole*, 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

**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

**Contend Fungicide**
- Helps control multiple species and stages of pink and gray snow mold on fairways
- Contains four active ingredients in three FRAC groups, including SOLATENOL SDHI technology (*benzovindiflupyr*), to protect turf for up to 110 days under snow cover*

**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
- The industry-standard for *Rhizoctonia* control
- Helps turf quickly recover from stress like heat, drought and aerification
- Heritage® and Heritage G formulations are also available**

*Contend is sold as a copack of separately registered products: Contend A and Contend B.
**Benefits of these formulations may vary.
• 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

• 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

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

• 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
• Provides guaranteed control as part of the GreenTrust® 365 Spring Dead Spot and Take-All Root Rot Assurance Program
• Contains three leading active ingredients in different FRAC groups, including ADEPIDYN technology (pydiflumetofen), for enhanced control, spectrum and resistance management

• Provides up to 28 days of control of more than 20 diseases including brown patch, summer patch and dollar spot
• Provides guaranteed control as part of the GreenTrust 365 Fairy Ring Assurance Program
• Contains three leading active ingredients in different FRAC groups, including ADEPIDYN technology (pydiflumetofen), for enhanced control, spectrum and resistance management

• 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 aeration
• Secure formulation is also available*

• 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

• 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

*Benefits of these formulations may vary.
**Plant Growth Regulators**

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

**Trimmit® 2SC**
- 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

**Herbicides**

**Barricade® 4FL**
- 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**
- 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
- Moves quickly to growing points to stop growth of grassy weeds without harming ornamental plants

**Manuscript®**
- Controls mature, grassy weeds like tropical signalgrass, crabgrass and dallisgrass in bermudagrass and zoysiagrass during the summer so desirable turf can quickly fill in
- Packaged with Adigor™ surfactant from Syngenta, which is custom-built for use with Manuscript® to provide greater application reliability and outstanding turf safety

**Pennant Magnum®**
- Provides preemergent control of annual bluegrass, burclover, lawn burweed, common and mouseear chickweed, henbit and more
- Can be used in the fall to control winter annual weeds including *Poa annua*, even on semi-dormant turf with no green-up delay
- Fast-acting, non-selective herbicide controls floating, submerged and marginal aquatic weeds, even in sensitive aquatic environments

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

**Reward®**
- 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

**Monument® 75WG**
- Provides post-emergent control of all major sedges and more than 40 other weeds in warm-season turf
- Removes cool-season grasses from established warm-season turf to help simplify overseeding transitions

- Benefits of these formulations may vary.
Insecticides

**Acelepryn®**
- 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 WeevilTrak™ optimum control strategy for annual bluegrass weevil (ABW) larvae
- Acelepryn® on-fertilizer formulation is also available*

**Advion®**
- 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

**Advion® insect granules**
- 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®**
- 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®**
- 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

**Meridian25WG**
- 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**
- Recommended as part of WeevilTrak to control late-instar ABW larvae and help manage resistance
- Provides 90 days of guaranteed mole cricket control through the GreenTrust 365 Mole Cricket Assurance program
- Also controls European crane flies and turf caterpillars (including armyworms, cutworms and sod webworms)

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

*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. 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](http://GreenCastOnline.com/ConditionPerformRecover)

- **GreenCast Turf App** Free app for streamlining tank-mixing calculations and record-keeping. [GreenCastOnline.com/TurfApp](http://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](http://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](http://GreenCastOnline.com/GrowingDegreeDays)

- **Dollar spot alerts** Notifications about dollar spot risk in your area. [GreenCastOnline.com/DollarSpot](http://GreenCastOnline.com/DollarSpot)

- **Soil temperature maps** Automated turf pest alerts based on local soil temperatures. [GreenCastOnline.com/SoilTemperature](http://GreenCastOnline.com/SoilTemperature)

- **GreenTrust 365 program** Maximize your purchasing power with yearlong rebates, pallet solutions, product assurances, rebate calculators and more. [GreenTrust365.com/Golf](http://GreenTrust365.com/Golf)

- **Turfgrass Disease Identification Guide** Use our online guide to help diagnose key turfgrass diseases. [GreenCastOnline.com/DiseaseGuide](http://GreenCastOnline.com/DiseaseGuide)

- **WeevilTrak** Tracking and product recommendations for ABW control, plus insights via blog posts from independent researchers. [WeevilTrak.com](http://WeevilTrak.com)

- **GreenCast® Advisory emails** Tips, updates and news from Syngenta technical experts to help you stay ahead of the game. [GreenCastOnline.com/GreenCastAdvisories](http://GreenCastOnline.com/GreenCastAdvisories)
Turf Agronomic Programs

Syngenta offers more than 50 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
Always read and follow label instructions. Some products may not be registered for sale or use in all states or counties and/or may have state-specific use requirements. Please check with your local extension service to ensure registration and proper use. Reward may be used only for aquatic weed control in New York in accordance with the Special Local Needs provisions of the EPA under a FIFRA Section 24(c) registration. You must comply with all of the limitations for use as set forth in the 24(c) registration. Acelepryn and Ference are Not for Sale, Sale Into, Distribution and/or Use in Nassau, Suffolk, Kings and Queens Counties of New York State unless permitted under FIFRA Section 24(c) Special Local Need Registration. Scimitar GC and Divanem are Restricted Use Pesticides.

Syngenta supports a FIFRA Section 2(ee) recommendation for Velista fungicide to control spring dead spot, fairy ring and mildew on all turf types. Syngenta supports a FIFRA Section 2(ee) recommendation for Acelepryn insecticide to control aphids, birch leafminer, hemlock woolly adelgid, Japanese beetle adults, lace bugs and leaf-feeding turf caterpillars on ornamental plants (exterior landscapes). Syngenta supports a FIFRA Section 2(ee) recommendation for Pennant Magnum on goosegrass. Please see the section 2(ee) recommendations to confirm that the recommendations are applicable in your state. Copyright ©2020 Syngenta. All photos are either the property of Syngenta or are used with permission.