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



- 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



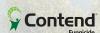
 Systemically controls more than 20 diseases, including dollar spot, leaf spot, patch diseases and snow mold



- Contains a DMI active ingredient and azoxystrobin, 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



- 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



- Helps control multiple species and stages of pink and gray snow mold on fairways
- Contains four active ingredients in three FRAC groups to protect turf for up to 110 days under snow cover



- 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® formulations are also available*



- 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



- 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*



- 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
- Ideal for use in agronomic programs with Secure Action and Daconil Action for resistance management and broaderspectrum control



- 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



- 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*



- 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 and the only SDHI labeled to control anthracnose for golf course turf
- Also protects against dollar spot, brown patch, spring dead spot, rapid blight, fairy ring and more

Plant Growth Regulators



- 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



- 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[®] plant growth regulator allows desirable turfgrass to crowd out and out-compete regulated Poa annua

*Benefits of these formulations may vary.



Herbicides



- 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

- 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

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

Pennant Magnum

- 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

- 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



- Fast-acting, non-selective herbicide controls floating, submerged and marginal aquatic weeds, even in sensitive aquatic environments
- 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 ivv. vellow foxtail, vellow nutsedge and unwanted bentgrass
- Provides post-emergent control of goosegrass when tankmixed with Princep[®] Liquid and Pennant Magnum[®] herbicides
- Can be used at seeding to reduce weed competition so new turf can establish faster

Insecticides



- 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[®] on-fertilizer formulation is also available*



- 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



- 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



- 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



- 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



- 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



- Recommended as part of WeevilTrak to control late-instar ABW larvae and help manage resistance
- Also controls European crane flies, turf caterpillars (including armyworms, cutworms and sod webworms) and mole crickets

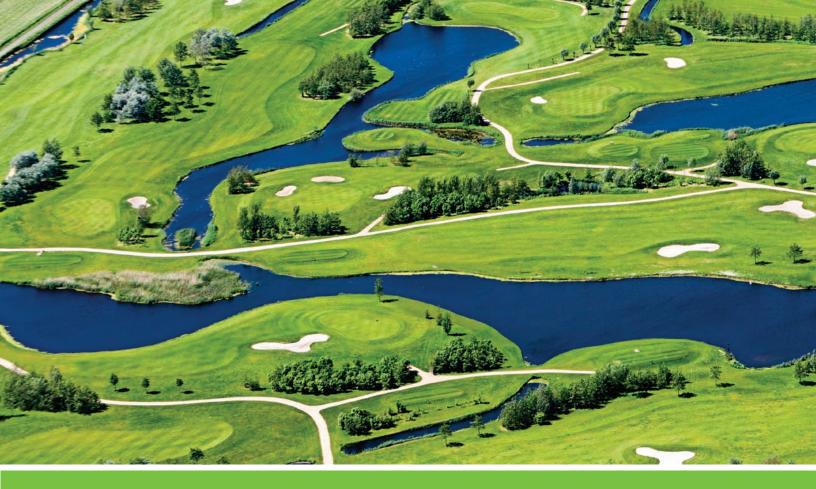


- Provides time-released control of ants, adult beetles, crickets, chiqqers, fleas and ticks
- Recommended as a part of WeevilTrak to control ABW adults

*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.



Condition. Perform. Recover.

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

GreenCastOnline.com/
ConditionPerformRecover



Dollar spot alerts

Notifications about dollar spot risk in your area.

GreenCastOnline.com/DollarSpot



Soil temperature maps

Automated turf pest alerts based on local soil temperatures.

GreenCastOnline.com/SoilTemperature



Growing degree day model

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

GreenCastOnline.com/GrowingDegreeDays

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 management of pests



Proper product rotation to help delay 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 calculations of necessary product amounts based on acreage

Download a free agronomic program at GreenCastOnline.com/Programs



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



WeevilTrak

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

WeevilTrak.com



GreenCast Turf App

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

GreenCastOnline.com/TurfApp



GreenCast® Advisory emails

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

GreenCastOnline.com/GreenCastAdvisories



GreenTrust® 365 program

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

GreenTrust365.com/Golf





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