

A SUPPLEMENT TO

Golfdom

Focus on **FAIRWAYS**

INSIDE

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COURSEPOWER

Focus on FAIRWAYS



BY BRIAN THOMPSON
Turf Marketing Manager
BASF

Greetings from the BASF Turf team! As the spring season approaches and the temperatures gradually rise, we know you, our customers, will be busier than ever getting your courses prepped for eager golfers ready to enjoy the game. In the wake of a very challenging 2020, one unanimous silver lining was the renewed interest and popularity in golf as a safe outlet from the trials and tribulations of COVID-19. While we would all agree that this lift is a great benefit to our industry, it doesn't come without its inherent set of challenges to superintendents around the country. It's our mission at BASF to remain connected to our customer community and help bring innovative solutions to meet your needs.

In this series titled "Focus on Fairways," we will highlight how the increased play volume has made managing quality turf on the largest parcel of your properties difficult and how BASF can help rally to support you and address these concerns. Full tee sheets, early start times and ever-present labor issues make executing normal maintenance practices more difficult than ever. You have communicated to us the importance of having products that not only are highly effective, but that also offer great longevity at a fair price. Whether minimizing or stretching applications, dealing with Mother Nature's curveballs or simply not having the labor to make a timely spray, BASF offers class-leading chemistries to give you the best chance of success.

When we look at the dominant pathogen on fairway turf, dollar spot clearly becomes public enemy No. 1. With the increased amount of play golf courses are receiving, opportunities to accomplish the most basic maintenance practices over 25-plus acres of manicured turf are becoming fewer and farther between. Regular mowing (dew removal), frequent fertilization (lean turf stands) and increased traffic are all contributing factors that increase dollar spot pressure. Enter our trifecta offering of dollar spot fungicides that give you the best foundation for controlling this persistent disease throughout the season:

Emerald® Fungicide — Emerald fungicide sets the stage for a successful dollar spot program. Programs that begin and end the season with Emerald fungicide have historically shown to not only reduce disease symptoms, but also help the superintendent stay ahead of the curve when fighting dollar spot. Emerald fungicide standardized the early/last bookend approach to a successful rotation.

Maxtima® Fungicide — Maxtima fungicide is the newest addition to the BASF stable of fairway fungicides. This cutting-edge DMI can safely and affordably be sprayed at any temperature and on any turf. Additionally, Maxtima fungicide has shown great control of many dollar spot strains that have historically been deemed as resistant to older DMI chemistry. This is a true innovation that brings an important class of chemistry back into the hands of superintendents as a viable tool in the rotation.

Xzemplar® Fungicide — Xzemplar fungicide provides the great benefits of fast-acting, curative control with class-leading longevity as a broad-spectrum fungicide. This workhorse SDHI chemistry has years of university-driven data to show that Xzemplar fungicide is at the top of the list in dollar spot treatments.

Recently, at Virtual GIS, BASF unveiled the CoursePower Diagnostic — a new tool that allows you to input key metrics unique to your geography and turf type to determine a customized program to help you manage your diseases and optimize plant health. Be sure to check out the CoursePower Diagnostic and see how having BASF in your corner can help you streamline your approach to disease management. Also, new coming later this year, we will be introducing Encartis™ fungicide to the fairway value offering. Encartis fungicide will continue BASF's commitment to delivering highly effective products with value to the superintendent at the forefront. We hope BASF can help you easily and effectively add "Focus to your Fairways" and achieve success in 2021!

Sincerely,

Brian Thompson

BASF
We create chemistry

More play, less spray

When the pandemic caused rounds played numbers to skyrocket, superintendents maximized their programs

BY SETH JONES

The 2020 golf season will be forever remembered by anyone working in the industry. Early on, there was some doubt if COVID-19 would be anything more than a news story. Then, it became a serious story for the industry, shutting down golf courses coast to coast. And then, the next twist, golf's record-setting rounds played numbers based on the game being a safe, socially distant sport.

With so much tumult — and traffic — in one season, superintendents were put to the test. These four superintendents rose to the occasion and provided fabulous fairways for a golfing public hungry for a safe break from the “new normal.”

A PERFECT FIT

Former farm kid turned superintendent Craig Kight has the desire to grow things in his blood. With some schooling and his big brother working as a superintendent in central Missouri, it was almost inevitable he'd become an assistant superintendent in the St. Louis area, latching on at Forest Park Golf Course, part of what was then called the American Golf Corp.

That move set off a 20-plus year career moving all over the country seeing all types of turfgrasses and golf clubs with stints in St. Louis, Chicago and Long Island, working for American Golf Corp., ClubCorp and now Arcis Golf.

“It's been a great journey in life and in the turf industry,” Kight says. “It's something I'm proud of, that I still communicate with a lot of friends from all over the United States that I've had the privilege of meeting.”

Kight's ventings and aerifications are up, but his sprays are down, to the tune of 50 percent.

Today, Kight is the superintendent of Eagle Brook Country Club in Geneva, IL, as well as the area's regional superintendent for Arcis Golf. Eagle Brook was built in 1992, and Kight is only the second superintendent of the property, replacing his friend and mentor Greg Johnson in 2015. For Arcis Golf, he

serves as a consultant for four other Chicagoland golf courses.

“I've always taken pride in teaching and helping others to be successful,” Kight says of his regional superintendent duties. “I'm more of a sounding block. We have four other superintendents who are successful in their own careers, at their own facilities. On the management side of turf, it is something that intrigues me, to get to help other people.”

Eagle Brook resides in a neighborhood community and has a 94-acre wetland in the middle of the property. Kight calls it a “fun atmosphere” club with an active membership and a growing junior program of 130 golfers. Every summer, Kight spends a few days with the junior golfers teaching them the etiquette of the game.

When thinking back to the 2020 golf season, Kight calls it, “Busy, maybe even too busy.”

In Kight's first year, the course saw 12,000 rounds of golf. In 2020, the course accommodated 23,000 rounds from just June 1 to December 1. Between 230 and 260 rounds on weekend days were common. Thankfully, golfers seem to be accommodating when it comes to the crew's cultural practices on fairways.

“Our fairways are wide; our height of cut is .400, and that's consistent from April 1 to our last mow, usually in November,” Kight says. “We're getting out



Eagle Brook Golf Club in Geneva, IL, has only had two superintendents since it opened in 1992: Greg Johnson and Craig Kight.

there more with aerifiers. Creating more air channels with the native clay soils of Illinois seems to make them better.”

Kight’s ventings and aerifications are up, but his sprays are down, to the tune of 50 percent.

“I was a generic applicator due to the size of the acres we have, and we had to watch our dollars in terms of fuel, labor and product applied,” Kight says. “With the new chemistries we’re seeing, in my opinion, there’s no reason to go with generics. In 2015, we completed eight applications on our fairways. Fiscal year 2020, we’re down to four. That speaks volumes to the chemistry that we have seen.”

At Eagle Brook, as well as at Kight’s regional courses, they rely on Maxtima® fungicide and Xzemplar® fun-

gicide from BASF. Kights says he saw 21 days of control when he was using generics, and now he sees 30 to 34 days of control, depending on weather, with these BASF products. He is down to one spray a month, which is easier to complete in the rare in-between play time they get with increased golfer traffic.

“It’s just a savior overall, throughout the entire operation of our department,” Kight says.

Kight remembers he first heard about the success of Maxtima fungicide from his brother, and then it was Andy Morris, former superintendent at Country Club of Peoria (IL), now sales representative for BASF, who came to visit him and explain how the product could improve conditions at Eagle Brook.

“The diseases that we see — anthracnose, summer patch, dollar spot — I remember talking to Andy about it before we even tried it,” Kight says. “This is curative and preventive on the label — it’s a perfect fit. It’s neat to see these companies; they’re looking out for the best for the course, the best of the environment and what is the best cost. I truly think the days of breaking the bank are over.”

RIGHT PLACE, RIGHT TIME

A native of New Zealand, former boat skipper Jeff Kerr got his start in the industry working on cricket fields, with a goal of someday making the switch to golf. When he and his wife moved to the states, they moved near her home

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PHOTO BY: CRAIG KIGHT

Sunset Valley Golf Course
in Pompton Plains, NJ.



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of Lincoln, IL. Kerr got a job working at Country Club of Peoria about 40 minutes away.

Kerr calls it a case of the right place at the right time. He had spent six years as the assistant superintendent under Andy Morris when Morris took a job as a regional sales representative with BASF. The Country Club of Peoria gave Kerr a yearlong tryout, and he passed the test. Now, he's the superintendent at a private club with 400 members that will celebrate its 125th anniversary next year.

"Most of central Illinois is what I call 'Nebraska flat,' but we're on a bluff of the Illinois river," Kerr says of the course. "A lot of the undulations are nat-

ural, and it's a tight course ... less than 100 acres for the whole property. I do rely on wetting agents to keep moisture even through the profile. Sometimes, I wish we had a flat course, but this one is much more interesting."

Kerr was excited to see the course get an increase in play in 2020 as a result of the COVID-19 pandemic canceling so many other activities.

"A whole lot more kids got to play golf because their other sports were canceled," Kerr says. "There was much more interest in golf for families, and having those people out here makes my job more pleasurable. The membership really supported the club, so it was a big win for us."

Kerr admits there were big boots to fill when Morris left the course after 16 years of serving as the superintendent, but working alongside Morris also gave Kerr the confidence, he says, because he got to learn from a true professional. Many of Morris' practices, including the daily task list and the spray program, remain intact.

But, there was one product that wasn't available to Morris when he was maintaining Country Club of Peoria — Maxtima fungicide.

"When Andy was asked to work for BASF, he said to me, 'There's a big product coming out, and they've been pretty keen to have me work for them,'" Kerr recalls. "Andy is very clued up with his chemicals and chemistry. He said to me, 'It's a bit of a game-changer.'"

Kerr agrees with that game-changer comment Morris gave him a few seasons ago. Kerr says the length of control Maxtima fungicide gives him is what really impresses.



Jeff Kerr

"It's a DMI, but it's a different kind of DMI. The caliber is a different kind. One pass around all fairways, and I'd get 30 days (of control)," Kerr says. "Sometimes, it was 45 days, and I'd just watch for something to pop up. I got 30 to 45 days of protection out of Maxtima (fungicide) seamlessly."

A gearhead who owns a bright red '68 Buick Riviera, Kerr calls Maxtima fungicide "a Cadillac spray" with an aggressive price point.

"It's a different type of chemistry in the shed, something the guys are looking for to keep the grass on its toes," Kerr says. "Being a new product on the market for 2020, it's a fantastic option for any time of the year. The fact that it's a unique, nonphytotoxic DMI type of chemistry that I can spray in whatever conditions are prevailing is a huge weight off my shoulders. In 2020, I left the fairways alone for 21 days in June until I saw *Pythium* conditions around the corner, and I followed up with Insignia® (SC Intrinsic brand fungicide)."

SUNSET & BERKSHIRE VALLEY

Dan Clark and Craig Kraft work in the same county and see many of the same challenges at their respec-



Dan Clark

tive courses. The main challenge is the amount of golf they see each season.

Last year, Sunset Valley Golf Course, Pompton Plains, N.J., hosted 45,000 rounds, despite COVID-19 restrictions closing the course for six weeks.

"Sunset Valley is fast-paced, it never stops, it never rests," says Clark.

"We're busy — of course, not as busy as Dan," says Kraft, superintendent at

Continued on page FWS8

Maxtima[®]

fungicide

THE DAWN OF A NEW DMI

A GAME-CHANGING DMI THAT BRINGS TURF SAFETY INTO THE MODERN ERA

Maxtima[®] fungicide is an advanced new turf-safe DMI that can be sprayed anywhere on your course for unrivaled broad-spectrum disease control.

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Focus on FAIRWAYS



Berkshire Valley GC is carved into a mountainside and has breathtaking views on its first five holes.



Kraft uses a 1,600-gallon mix tank from SynaTek, saving two hours of spray time.

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Berkshire Valley GC, Oak Ridge, N.J. “We average around 37,000 rounds a year in a nine-month season. Play begins at sunrise daily.”

With the packed tee sheet and a challenging layout of the course at Berkshire Valley, getting in enough time to spray fairways can be difficult. It’s possible for the sprayer to be more than a mile from the shop when it runs out. Thankfully, the combination of a switch in products and a new mix tank has eased this burden.

“Up until three years ago, I exclusively used generic products for my fairway program on a two-week interval,” Kraft says. “When the pressure was high, I would struggle to get two weeks out of some of those applications and I’d see breakthrough at ten days.”

Kraft switched to a BASF fairway program and says all his bases are covered, even in middle and late July when



Craig Kraft

disease pressure is at its worst. Dollar spot, brown patch, leaf spot, fairy ring, anthracnose and summer patch are all held at bay.

Kraft also added a 1,600-gallon mix tank from SynaTek to accommodate his 30 acres of fairways. With the large capacity tank, he only has to mix once to fill a 300-gallon sprayer five times, he can knock out all fairway applications in a four-hour window, from 5 a.m. to 9 a.m., and stay ahead of golfers.

“The lower use rates of the newer BASF products and the three-week intervals mean I’m mixing quicker and I’m making less applications throughout the season, both of which are critical in my situation,” he says. “Yet, the control of these products on a three-week interval is what’s most impressive. That and the service from Paul Ramina, BASF and Mike Handley, Grass Roots Turf Products, is second to none. These guys go out of their way to accommodate me.”

Clark echoes those comments. He says in the 2020 season he didn’t see “a fleck” of disease and credits his spray program.

“Last year was my second season of using Maxtima (fungicide) on fairways, but I’ve been using Lexicon® (Intrinsic brand fungicide) and Drive® (XLR8 herbicide) and Insignia (SC Intrinsic brand fungicide) for years,” he says. “Lexicon is my Fourth of July spray every year, no matter what. I know it’s not going to let me down.”

Kraft says that after doing the math and accounting for the longevity of the products, he realized the BASF portfolio of products is affordable.

“Dan and I have smaller crews, so we’re the ones doing the applications,” Kraft says. “We have other things to do throughout the day too. Any time we can reduce time on the sprayers, it’s a big help.”

Navicon[®]

Intrinsic[®] Brand Fungicide

A powerful, dual action DMI that redefines turf safety.

Navicon[®] Intrinsic[®] brand fungicide. This highly advanced new fungicide combines the plant health benefits of Intrinsic brand fungicides with a first-of-its-kind DMI chemistry to deliver broad-spectrum disease control unmatched by its competitors.

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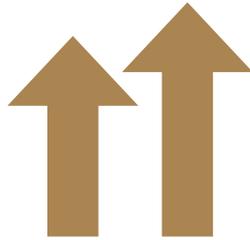
Stay in control

With **Maxtima[®]** fungicide
And **Navicon[®] Intrinsic[®]** brand fungicide

In a challenging 2020 golf season, Maxtima fungicide and Navicon Intrinsic brand fungicide rose to the occasion!

93%

of superintendents reported positive results



95%

of superintendents would recommend to a colleague

Source: BASF survey of 183 product users, July 2020

"There are rave reviews from those managing bermudagrass ... it's really strong on take-all root rot; it's performed very well for fairy ring. And, almost everybody I've talked to has said that their disease management has improved by incorporating this into their program."

JIM KERNS, PH.D.
Associate Professor, Department of Entomology and Plant Pathology, North Carolina State University

On a scale of 1 to 5 stars, how would you rate the value of these two products?



"When applied preventively, we've seen Maxtima and Navicon give 21 to 28 days of control. And, with intervals like that, you're going to be saving time and resources and also getting excellent performance."

CAMERON STEPHENS, PH.D.
Technical Market Manager, BASF



We create chemistry

"With a generic, people might get 21 days (control), but let's be honest, there's active fungi in the plant. What we have seen with Maxtima is a good 30- to 34-day rotation, depending on weather ... but that's been our average now. We're going down to one spray a month."

CRAIG KIGHT

Superintendent, Eagle Brook Country Club & Regional Superintendent, Arcis Golf, Geneva, IL

6% ★★

2% ★

Source: BASF survey of 183 product users, July 2020
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"I'm on a three-week interval now, and I couldn't be happier with the results. With these new products, a three-week interval means I'm mixing quicker and making less applications throughout the course of the season. Both are critical in being able to stay ahead."

CRAIG KRAFT

Superintendent, Berkshire Valley GC, Oak Ridge, NJ

To learn more about what these superintendents and researchers are seeing, talk to your BASF sales rep about Maxtima fungicide and Navicon Intrinsic brand fungicide today.

// **SAFE, SOUND AND SOLVING PROBLEMS**

In with the new

Two experts discuss the safety, disease control and time and labor savings of Maxtima[®] fungicide and Navicon[®] Intrinsic[®] brand fungicide

BY ABBY HART

It's not every day that a new fungicide arrives on the scene and causes a stir — but Maxtima fungicide and Navicon Intrinsic brand fungicide made waves when Jim Kerns, Ph.D., Associate Professor in the Department of Entomology and Plant Pathology at North Carolina State University, first encountered it.

"It's a very exciting material dating back, gosh, five years ago was the first time I looked at it," Kerns says. "A number of us in the turf pathology group were texting one another, 'What is this material? What is this material?'"

Maxtima fungicide is a demethylase inhibitor (DMI) fungicide, but Kerns likes to say "it's in a new wave of DMI fungicides that doesn't have the growth regulation or phytotoxicity associated with it, as previous DMIs have had." He says it has shown faster and better control of multiple diseases compared to other DMI fungicides. Navicon Intrinsic

brand fungicide includes the DMI mefentrifluconazole, mixed with pyraclostrobin, which is a very strong quinone outside inhibitor (QoI) fungicide.

Both fungicides use the active ingredient mefentrifluconazole, an isopropanol-azole. The new chemistry can be applied at a range of temperatures with very good turfgrass safety — which caught the eyes of researchers as the products were in trials at N.C. State.



Jim Kerns

"What was memorable about the Maxtima (fungicide) and Navicon (Intrinsic brand fungicide) was the disease control shown in our research plots," Kerns says. "You could see these plots, I mean, literally (as you're) pulling up to them. You could always pick them out because of the amount of disease con-

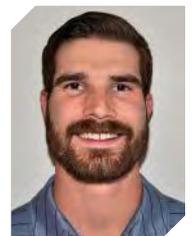


Maxtima and Navicon Intrinsic fungicides can be applied to a variety of turfgrasses.

trol these materials provided."

"I think two of the trials that stand out to me was when we first started working with Maxtima (fungicide) and Navicon (Intrinsic brand fungicide) for spring dead spot and take-all root rot management," Kerns says. "We all noticed how well the products were performing on various diseases."

Cameron Stephens, Ph.D., Technical Market Manager for turf and ornamentals for BASF, studied the products as a graduate research assistant at N.C. State. He joined BASF in early 2021.



Cameron Stephens

Stephens says that the products showed excellent turfgrass safety which is unusual for DMIs — especially when applied at high temperatures. "One (trial) that stood out to me was we were applying



four times the label rate of this new DMI on a cool-season putting green in North Carolina in the middle of the summer. And, we saw no (phytotoxicity) or turfgrass injury,” he says.

A DYNAMIC DISEASE-FIGHTER

When N.C. State researchers tested these new chemistries, they began with common turfgrass diseases like dollar spot and brown patch. Kerns also stated they provide excellent control of summer patch, anthracnose, fairy ring and take-all root rot on bermudagrass as well.

Kerns says that the release of Maxtima fungicide and Navicon Intrinsic brand fungicide expands BASF’s portfolio of solutions for turfgrass disease management. “With the amount of stress that we are dealing with on warm- and cool-season turfgrass, it provides a lot of peace of mind through the season to be able to start with something like a Navicon (Intrinsic brand fungicide),

(then) 28, or 21 days later, come in with a Lexicon® (Intrinsic brand fungicide) application,” he says.

A NEW ROTATION PARTNER

The new DMI chemistry helps combat the issue of fungicide resistance because it offers a new, safe option in the DMI class of chemistry. This helps with the overreliance on succinate dehydrogenase inhibitor (SDHI) fungicides, which have become more popular in the industry over the last few years.

Kerns says the arrival of Maxtima fungicide and Navicon Intrinsic brand fungicide fit very well into the rotation to break up back-to-back or repeated applications of an SDHI while providing excellent disease control.

“We pride ourselves on the amount of disease pressure that we get here in Raleigh, and we have very few products that last 21 days for dollar spot. That’s where I think Maxtima (fungicide) is a

standout for me,” Kerns says. “We’ve tested it in the mountains of North Carolina, which is a very hard environment for longevity because they get 60 to 70 inches of rainfall — and we were getting 21 days of control.”

Kerns says that resistance is less of a concern with these new fungicides. “I think having a good new DMI that (superintendents) can apply at any time of the year without risk to turf safety helps with that overreliance on the SDHI.”

“Just having the options to rotate with a really efficacious DMI or DMI+QoI combination at all times of the year, including the middle of the summer, is really important for resistance management,” Stephens adds.

A FAIRWAY FUNGICIDE

How can these two products help superintendents maintain top conditions

Continued on page FWS14

PHOTO BY: JIM KERNS



Maxtima and Navicon Intrinsic fungicides allow superintendents to stretch application windows, increasing efficiency.

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on fairways? Stephens says that both Navicon Intrinsic brand fungicide and Maxtima fungicide can play a major role in fairway programs because of the longevity of the product. He says when applied preventively, both have shown up to 21 to 28 days of disease control. “With intervals like that, you’re going to be saving time and resources while getting excellent performance.”

Both Kerns and Stephens agree that Maxtima fungicide provides a cost-effective option for superintendents controlling many different diseases on warm- and cool-season fairways.

Kerns recommends the following rotation for fairways: “You could start the season with a Maxtima (fungicide) application, rotate to Xzemplar® fungicide, then go to a contact fungicide, then back to another Maxtima (fungicide) application in July ... that would be an outstanding fairway approach, and you’d have great rotation of the actives,” Kerns says.

Navicon Intrinsic brand fungicide is a more premium brand fungicide that combines the active ingredient in Max-

tima fungicide with the plant health benefits of the Insignia Intrinsic brand (pyraclostrobin) fungicide product. Combining mefentrifluconazole with pyraclostrobin not only expands the number of diseases this product can control, but it also provides an increase in plant growth efficiency and improved stress tolerance.

A TOP PERFORMER

Kerns believes using Maxtima fungicide and Navicon Intrinsic brand fungicide gives superintendents flexibility because it will allow them to stretch application intervals if they choose, which could save a lot of time, money and labor — especially with the ongoing pandemic.

But, he says, performance is more of a concern than even labor and time. “That’s more important to a golf course superintendent, in my experience ... they want to know, ‘I’ve spent the money on this, is it going to perform?’” he says. “I think every person that’s worked with it has seen them perform well. The growers have come to me and said how well these materials have performed.”

Kerns adds that superintendents managing both cool-season and warm-season grasses are seeing great results.

“Some of our superintendents that were managing bentgrass in our area sprayed Lexicon (Intrinsic brand fungicide) pretty religiously throughout the summer. This gives them an added benefit of having Navicon (Intrinsic brand fungicide) in July, August — and everybody I’ve talked to has really enjoyed the results they’ve seen,” he explains. “More importantly, there are rave reviews from those managing bermudagrass ... this material is really strong on take-all root rot, and it’s performed very well on fairy ring. Almost everybody I’ve talked to has said that their disease management has improved by incorporating this into their program.”

Stephens adds that use rates have been an ongoing concern for superintendents as well and that the Maxtima fungicide and Navicon Intrinsic brand fungicide labels provide low-use rates. “When you’re combining low-use rates with excellent longevity of disease control, you’re definitely going out with the sprayer less, and that’s going to save time and labor.”

Stephens says that he’s received positive feedback from superintendents who are excited about the versatility of these new products. “You hear a lot from the superintendents about the safety of these new products, which has been excellent,” he says. “Maxtima fungicide and Navicon Intrinsic brand fungicide efficacy is another huge point, and it is exciting how many diseases these products can control. Maxtima fungicide and Navicon Intrinsic brand fungicide offer great versatility as they can be used to control many different turfgrass diseases on tees, fairways and greens with exceptional turfgrass safety.” **G**

PHOTO BY: JIM KERNS

EOP saves the day

The BASF Early Order Program helps The Architects Club in Phillipsburg, NJ manage costs and disease effectively

For Dan Livingston, superintendent of The Architects Golf Club in Phillipsburg, NJ, 2020 was a busy year for the Troon Golf-managed course. Livingston said the premise of The Architects Golf Club's layout — which pays homage to the styles of famous golf course architects like Old Tom Morris, Donald Ross and Alister Mackenzie — garners a lot of interest. As the course reopened last year, the course went to single-cart drivers and daily rounds jumped to more than 200 rounds a day.

The increase in rounds and COVID-19 restrictions also complicated pre-emergent and fertilizer applications on the 18-hole course. Because of this, Livingston said the course had issues with dollar spot. Livingston said Xzemplar® fungicide from BASF — with its low-rate applications and longer residual — helped get dollar spot under control on his greens.

“Thank God for Xzemplar,” he said. “It really helped me last year. I sprayed at 11.4 ounces per acre, and

I've had tremendous results with it. It knocks everything out quickly. You're getting 21 to 28 days out of it.”

Livingston also likes the affordable low-rate dollar spot control Maxtima® fungicide provides on his fairways. “I use it at 17.5 ounces per acre,” he said. “It gives me 21 to 28 days of coverage so that we weren't getting any dollar spot.”

He said he's been using Emerald® fungicide by BASF for 15 years and it's his go-to in the beginning and end of the growing season. He calls Emerald fungicide bookends to spray for his greens, tees and fairways.

“It's my first spray of the year on my greens, tees and fairways, and it's my last spray of the year,” he said. “It does a great job at the end of the year, knocking any disease that's left, that's going to survive through the winter. Then when we're coming in the spring and the temperatures rose, to get them to where we need them to be, that's always my first spray to knock out anything that did survive.”

Livingston said participating in the BASF Early Order Program has also helped save his course extra money as he uses Xzemplar fungicide, Emerald fungicide and Lexicon® Intrinsic® brand fungicide on his greens. Pylex® herbicide for control of goosegrass and bermudagrass helps him manage



Dan Livingston (right), Larry Turco (left), Lawrence Turco (center)

his 40 acres of fescues, too. With the BASF Early Order Program, superintendents earn rebates, ranging from 8 percent to 24 percent, based on spending. Superintendents qualify for the rebates by purchasing three fungicide brands and ordering at least \$5,000 in fungicide products.

“BASF has just taken it to the next level with their Early Order Program,” he said. “Because I have 4 acres of greens, 4 acres of tees and almost 40 acres of fairways that are all bentgrass, my costs are up a little bit, because of the design of our facility. But, with their early order program, it's a real big help to me.”

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BASF
We create chemistry



We create chemistry

Because healthy turf makes a statement

Honor® Intrinsic® brand fungicide is a specialist fungicide that helps superintendents manage high stress traffic areas outside of fairways such as bunker faces, tees and tee surrounds.

In addition to broad-spectrum disease control, the plant health benefits bolster the root system and help turf become more resilient to the toughest pressures.

Honor®

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