

Solarous

Trial Overview:

Focuses on Aquatrols' chromatic plant enhancer which is designed for superintendents who demand both visual impact and stress resilience. Applied every 21–28 days throughout the growing season, this advanced formulation helps turf withstand heat stress while delivering visibly healthier, more vibrant greens.

Product Overview

A chromatic plant enhancer (colorant) formulated with a concentrated surfactant system and reflective pigments to improve turf appearance, increase UV reflectance, and reduce heat/UV stress while improving spray coverage and adhesion. Designed to be added to summer spray programs to reduce transpiration, hot spots and perceived drought stress while enhancing color.

Application Rates:

- 0.5–2 oz/1,000 ft² = 22–87 oz/acre (1.6–6.4 L/ha)
- Lower rates for subtle enhancement; higher rates for stronger color/UV protection.

Areas for Use:

- Greens and fairways for color enhancement and UV protection.
- Bunker banks, high-profile landscape areas, tee surrounds where visual impact and reduced hand-watering are desired.



Highlevel Results

Strong turf colour and visual quality, reinforcing Solarous' value as part of an integrated turf management program.



Solarus

Course & Superintendent Overview:

Established in 1914, Brightwood, is a staple in the heart of Dartmouth, NS. The 18-hole course by Donald Ross has the legacy of being home to more provincial and national champions than any other Nova Scotia course. Stunning views of the Halifax Harbour are paired with over a century of refinement. Brightwood provides a challenge for all levels of golfers. Sue Crawford, superintendent, has been rooted in the turf management community for years. Perfecting her craft of stunning, playable surfaces that sustain the wear and tear of seasonal rounds.



3 Days Post App check plot



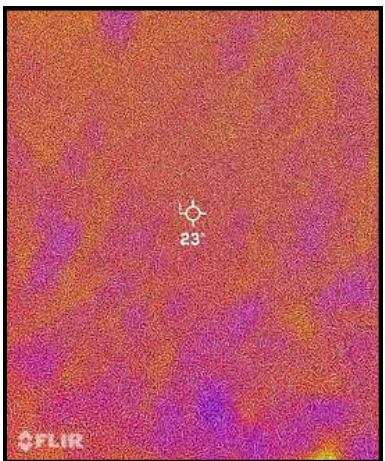
3 Weeks Post App check plot



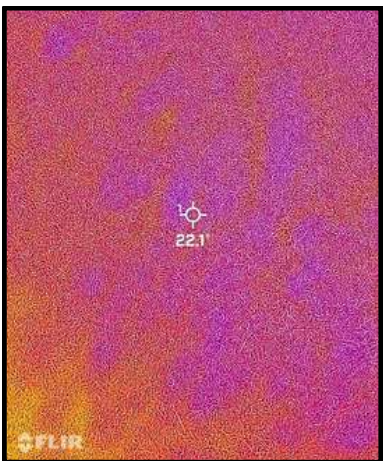
2nd App



2 App check plot



Untreated Fairway turf - Aug 26



Treated Fairway turf - Aug 26

Trial Info:



Location: Dartmouth, NS



Date/ Season: Summer 2025



Trial type: Plant Health



Weather: Hot, Sunny



Site Conditions: Dry

Application Rate - Fairways:

Solarus applied at a rate of 30ml/1000ft2.. Product applied uniformly with no visible streaking.

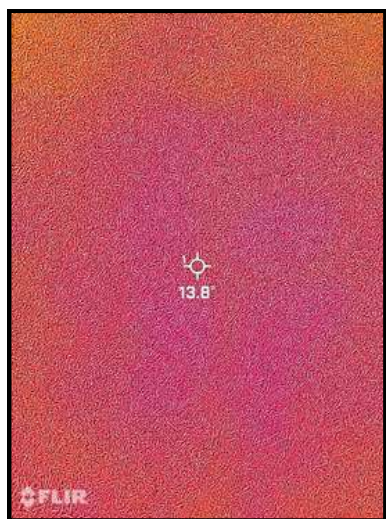
Performance: (Fairway)

The dark green color lasted about 2-3 weeks on the turf and then began to fade. Between June 30th and July 17th (pictures above) we had 25mm of rain, watered 14 fairway with the irrigation twice, and had several days with heat warnings (32-36C with humidex). Best applied in dry conditions.

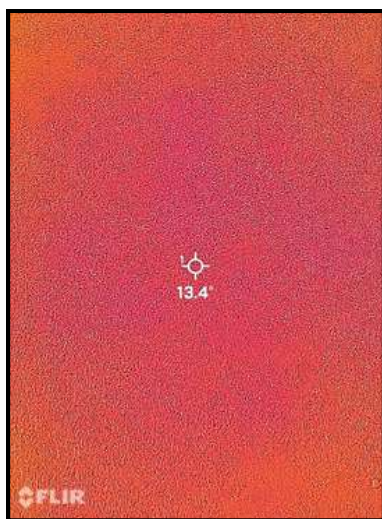
Solarous



14 Green - August 22 Application rate 16ml



Aug 20 Untreated



August 20 Treated

Application Rates - Greens Trial

June 19 15ml	July 23 16.5ml*
July 4 18ml	August 22 16ml

Performance: (Greens)

We applied 4 different rates of Solarus on the greens to establish which hue of green would look the most natural on our playing surfaces. We found that 15ml was a little too light and difficult to see when spraying, 18ml was too much and looked unnatural, 16 – 16.5ml gave the turf a natural, healthy looking green. Solarus masked localized dry spots/stressed areas which is good from a golfer's perspective of the greens. From a maintenance perspective, difficult to know if the green had dry spots without the use of a TDR.

Testimonial from Super

"Overall I liked the product, I think it has a place in my spray rotation on the greens. Greens looked healthy and impressive to the golfing membership"

Sue Crawford

Highlights:

- Masked localized dry spots
- No residue after the product dried
- No streaking upon application

Solarous

Course & Superintendent Overview:

Riverside Country Club is a classic Donald Ross designed 18-hole championship course dated 1897. The course is an enjoyable test for all players while overlooking the serene views of the Kennebecasis Valley. The course has existing push-up poa/bent greens, bent/dwarf blue grass tees, and a mixture of turf grasses in the fairways. The soil is rich but rocky throughout the course, irrigation improvements are currently on-going. Rene George, superintendent, brought his experience to the course in 2025.



Can see visible difference in where Solarus was sprayed.

Trial Info:

-  Location: Rothesay, NB
-  Date/ Season: Summer 2025
-  Trial type: Chromatic plant enhancer
-  Weather: Hot & dry
-  Site Conditions: Push up Poa/Bent greens, mowed at .110 daily and rolled 4-5 times a week. Deep and infrequent watering on a block system, some hand watering on hot spots. The top 6 inches is sand from topdressing over the years.

Application Rate:

Sprayed low rate 0.5 oz/1000 every 14 days on greens and approaches with a John Deere GPS sprayer.

Performance:

Solarous performed extremely well through our heat and stress. The color was great, we stretched out our heavy overnight watering without losing turf, and it recovered quickly once receiving some rain and irrigation. Not only was it great in August heat but it was even better with recovery into September.

Highlights:

- Great at reducing or combating heat stress
- Nice consistent colour at low rate.
- Excellent for recovery when the stress began to back off.

“This is an excellent product that performed well under multiple varieties of conditions. I wasn't expecting much other than some color, but it performed well through heat stress and aided in recovery when conditions cooled down and we received rainfall. I plan on adding this to our program for greens and fairways in the future.

-Rene George

Mitigate / Respo

Trial Overview:

This trial features a plant stress and health management combo, from Turf Fuel, which is applied every 14 days across six applications. Designed to strengthen turf resilience, this program supports healthier root systems and improves turf's ability to withstand environmental and tournament stress.

Product Overview

Mitigate (Turf Fuel Mitigate 5-0-0) — a foliar conditioning product (5% N) with manganese, zinc, sea kelp and the proprietary Templar biostimulant system to prepare/condition turf for extreme stress (heat, drought, mechanical stress).

Respo (Respo Fuel) — a foliar calcium-based product designed to improve heat/drought tolerance and drive root growth (contains foliar Ca, kelp, salicylic acid, silica, etc.). Often used in combination with Mitigate to both condition and supply calcium/biostimulants.

Application Rates:

- **Mitigate:** 2–4 fl oz / 1,000 ft² (≈ 0.5–1.2 L/ha per application) every 7–14 days (use weekly or bi-weekly during growing season; lower rates more frequently).
- **Respo:** 2–4 fl oz / 1,000 ft² every 7–14 days (label shows weekly or biweekly use; best prior to or during stress).
- When used together: follow each label's tank-mix and compatibility guidance; start at the lower end of the label rates when trialing combinations and always perform a small test strip first.

Timing: Apply preventatively when conditions are favourable for disease.

Areas for Use:

- Greens, tees and high-performance fairways
- Approaches & high-traffic roughs

Aids Respiration



Conserves Plant Energy



Drives Rooting



STRESS
BLOCKING



PREPARES
TURF

Highlevel Results

A biostimulant and calcium-based conditioning program that easily integrates into spray rotations.



Mitigate / Respo

Course & Superintendent Overview:

Rees Jones crafted a modern links-style golf course in 1998, transforming an originally flat property into a rolling, open landscape. The greens are shaped with subtle but strategic contouring, sloping from side to side and feeding back toward the front. Each green is engineered with a single, deliberate low-point to promote efficient surface drainage. Shawn Ward has been superintendent of Royal Oaks since 2022.



Pre Application



2 days Post 4th app July 30

Trial Info:

-  Location: Moncton, NB
-  Date/ Season: June - Sept 2025
-  Trial type: Plant Health
-  Weather: Dry, Hot with little rain/humidity
-  Site Conditions: USGA sand based green, bentgrass, irrigation, HOC .120

Application rates:

9L/ha of Respo, 13L/ha Mitigate

Performance:

The products performed well despite the extremely dry, hot conditions. When used alongside wetting agents, rooting depth improved noticeably compared to previous seasons. Turf also showed strong recovery following periods of heat stress. #1 green struggles every season coming out of the winter due to ice and exposure to winds. Having deep roots, enhanced bentgrass and less Poa annua on the greens will add in survival and better recovery from winter damage.

Highlights:

- In the extreme weather of the summer, greens held up very well
- Controlled growth. Not much nitrogen used but had great density.
- Easy to incorporate into the spray mix. Simple to use. Improved rooting

Testimonial:

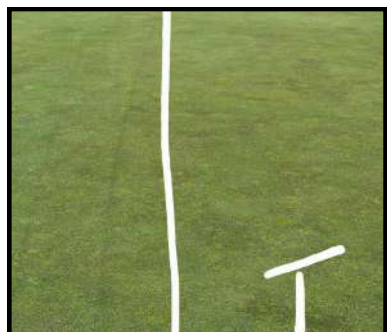
“Respo / Mitigate was easy to use. Improved turf density and controlled growth during the season.”

Shawn Ward

Mitigate / Respo

Course & Superintendent Overview:

Established in 2000, Avondale Golf, a Jeff Fuller course, is one of the best designs in the Maritimes. Bent grass greens and tees along with dwarf bluegrass fairways and strategically place white sand bunkers make for an exceptional round.



#3 July 3, 1 day post 2nd app



#3 August 26, 5 days post 5th app



#8, July 8th, 5 days post 2nd app



#8, Sept 8th, 5 days post 6th app



Nursery June 20



Nursery September 9

Trial Info:



Location: Vernon River, PEI



Date/ Season: June - September



Trial type: Plant Health



Weather: Hot & dry



Site Conditions: Sand and bentgrass based greens

Application rates:

Product was applied with our greens sprayer on two week intervals with a rate of 88ml/1000 square feet of Respo and a rate of 120ml/1000 square feet of Mitigate.

Performance:

No noticeable difference with this trial as the surface of the treated side and non treated side looked the same as did the root structure.

Lexicon

Trial Overview:

This trial introduces BASF's Lexicon Fungicide, a new turf disease product designed to provide 28 days of control over key turf diseases. Applied at 15ml per green in July, this product is ideal for hot and humid conditions and works best when a check plot is included on some greens for comparison.

Product Overview

Broad-spectrum systemic fungicide with disease prevention and plant health benefits. Controls anthracnose, dollar spot, brown patch, Pythium blight, take-all patch, summer patch, Microdochium patch and more for up to 28 days to ensure the longest possible spray intervals. Lexicon's unique Intrinsic plant health benefits help mitigate environmental and mechanical stress for healthier turf and enhanced golf surfaces.

Active Ingredient: Fluxapyroxad (SDHI) + Pyraclostrobin (QoI)

WSSA Group #: 7 + 11

Application Rates:

- 10–15 mL / 100 m² = 43–65 oz/acre (3.2–4.8 L/ha)
- Max seasonal total: 54 mL / 100 m² = 232 oz/acre (17.5 L/ha)
- Interval: 14–28 days depending on disease pressure.

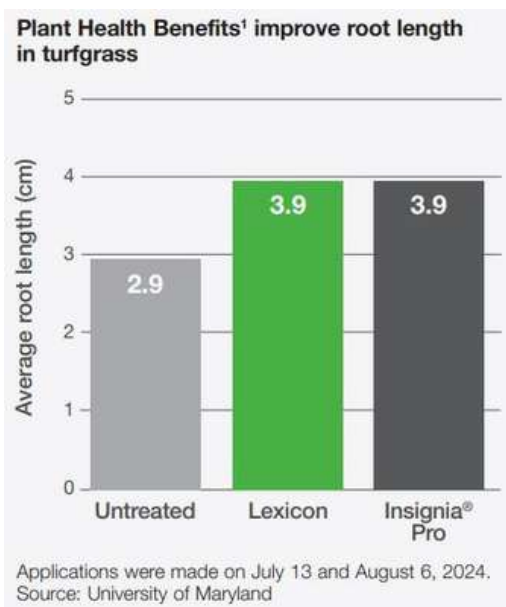
Timing: Apply preventatively when conditions are favourable for disease.

Areas for Use:

- Greens
- Tees
- Fairways
- Roughs

Highlevel Results

Lexicon can be relied on as an effective control product for disease suppression.



Lexicon

Course & Superintendent Overview:

Built in 2014, opening in 2015 the Links at Brunello is an 18 hole Tom McBroom layout featuring bentgrass greens, tees and fairways. Joel Ameriault has been at Brunello since its inception and Acting Superintendent since 2023. With a background in forestry Joel transitioned to the golf industry starting at Digby Pines.



Check plots on green

Trial Info:

-  Location: Timberelea, NS
-  Date/ Season: Summer, July 2, 2025
-  Trial type: Fungicide
-  Weather: Sunny & dry
-  Site Conditions: Bentgrass slowed right to left. .120 mowing height, irrigated as needed. variety of sand, no drainage. High usage.

Application Rate:

Lexicon was applied to secondary putting green at a rate of 15ml/1000ft² using a Toro 5800 Sprayer.

Performance:

Sprayed half the green with Lexicon and the other half of the green was treated with Xemplar/Secure both sides a checkplot. Entire green was treated the same.

July 4 Revolution/16/90 with a cocktail of Fe, B, Mg, Mn, Cu, plus .1lbN

July 10 .1N Fe, Mg, Mn, Hume N, dicamba

July 14 Primo maxx, aneuw

July 18 .1N Mn, Mg, Fe, Hume N, dicamba

July 24 .1N Mg, Mn, Fe, Hume N, dicamba

July 31 .1N cocktail like on July 4

Highlights:

- No active disease pressure was present this season on the green.

Lexicon

Course & Superintendent Overview:

Established in 1962, Oakfield Golf Club is an 18 hole championship Parkland style golf club in Enfield, Nova Scotia. Superintendent, Kevin Moores holds a Turf Management degree from Guelph University. Receiving over 38,000 rounds in 2025 from a membership who demands premium course conditions, Kevin has meticulously crafted his art of turf management for over 10 years at Oakfield golf Club.



Check plot showing disease progression



Linear pattern of disease outside of Lexicon application

Trial Info:

-  Location: Enfield, NS
-  Date/ Season: Summer
-  Trial type: Fungicide
-  Weather: Warm, Sunny.
-  Site Conditions: USGA Rootzone Mix. Poa/Bent Mix. Mowing height .125. Greens handwatered ahead of application

Application Rate:

Lexicon was applied with a Toro 5700 Sprayer at a rate of 15ml/1000ft².

Performance:

Noticeable control of Dollar Spot. Areas just off the green had severe dollar spot come up within the two weeks flower application. Check plot had disease pop up within the controlled area. Applied areas were clean for approximately 17 days following application. Disease pressure was high at this time.

Highlights:

- Disease pressure was high. dollar Spot witnessed just outside application area.
- Product stopped active dollar spot from getting worse.
- Check plots showed disease pressure within the control area.

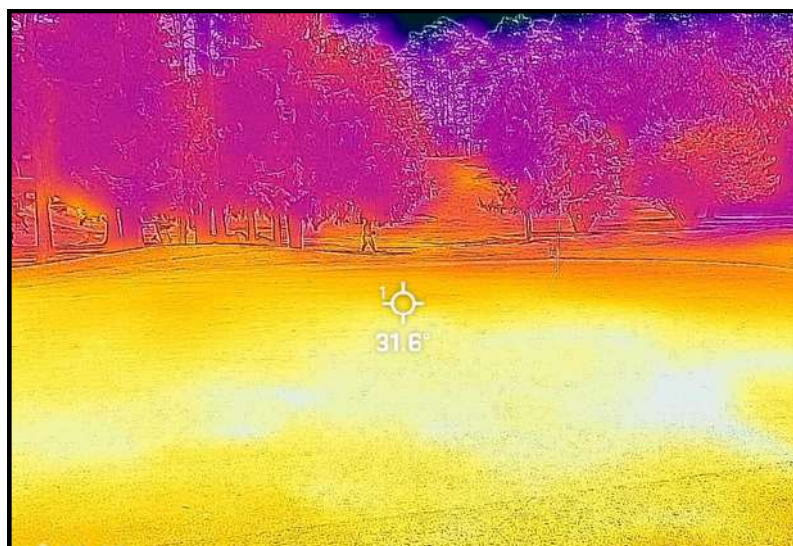
“BASF has proven again to have come out with a product in Lexicon that stacks up against the top fungicides available. With proper FRAC rotations a key part in my fungicide rotations, this product will be implemented into my future programs.”

-Kevin Moores

Lexicon

Course & Superintendent Overview:

Founded in 1921, KenWo Golf Club in Nova Scotia blends historic character with top-tier conditioning. Most greens, built from the 1950s onward, feature a mix of sand-based and classic push-up construction set across both shaded and sun-exposed sites—delivering smooth, true rolls throughout the season. Emerson Coulter, AGS, started with KenWo in 2024. Emerson's crafted his turf management skills while working at Capilano golf and Country Club in BC along with The Algonquin Resort, in St. Andrews, NB.



Ken Wo golf Club Hole 8 Pre Applications

Trial Info:

-  Location: New Minas, NS
-  Date/ Season: April - November
-  Trial type: Fungicide
-  Weather: Dry, 60% humidity
-  Site Conditions: Native & Sand greens

Application Rate:

Lexicon was applied at a rate of 13.9ml/1000sqft through a Toro sprayer using Red AIC Teejet nozzles with a carrier volume of 1.38 gal/1000sqft.

Performance:

Lexicon was evaluated in a trial alongside a standard fungicide program under high disease pressure conditions. The comparison treatment consisted of penthiopyrad at 13.94 g per 1,000 sq ft, tank-mixed with mono- and dibasic sodium, potassium, and ammonium phosphites at 120 mL per 1,000 sq ft. Following the applications, disease pressure was observed to be very high, with symptoms of Anthracnose basal rot and Pythium blight appearing. To address these active pathogens, a follow-up application of propiconazole, fludioxonil, and mono- and dibasic sodium, potassium, and ammonium phosphites was made 21 days after the initial trial application to provide curative control. Throughout the evaluation period, Lexicon held up well compared to the fungicides used in the trial, maintaining turf quality and disease suppression at an equivalent level under challenging conditions.

Lexicon



Hole 8 Pre Application



Hole 8 Day 5 Post Application



Hole 8 Day 15 Post Application



Hole 8 Day 26 Post Application

Highlights:

- There were instances in the trial where lower average temperatures were observed on greens where Lexicon was applied compared to the other product, even when the greens were in very close proximity. However, there were also instances where no noticeable difference in temperature was observed.
- Lexicon held up comparatively to other fungicides used in suppressing disease

Testimonial:

“Lexicon can be an addition to fungicide programs through out the Atlantic Region.”

-Emerson Coulter

Velocity SP

Trial Overview:

Focused on reducing annual bluegrass populations on golf courses using Nufarm's Velocity herbicide, applied every 21 to 28 days throughout the growing season. Velocity is the only post-emergent herbicide available in Canada which selectively reduces annual bluegrass populations on golf course.

Product Overview

Post-emergent, selective herbicide specifically formulated to selectively reduce annual bluegrass (*Poa annua*) and suppress some dollar-spot and broadleaf weed pressure as part of a transition program. In addition Velocity provides secondary benefits by suppressing dollar spot, dandelion and white clover. 5 program options to support your turf. Registered for golf courses and sod farms; do not apply to greens (risk of unacceptable injury at greens height).

Active Ingredient: Bispyribac-sodium (70% WDG herbicide)

WSSA Group #: 2

Application Rates:

- 16-31 g / ha = 0.23-0.44 oz./acre

Timing: Apply May 15 – Oct 15 when turf and *Poa* are actively growing and daytime temps are appropriate.

Do not apply if freezing predicted or if turf is under severe stress.

Areas for Use:

- Fairways and tees
- Sod farms
- Not for greens



High level Trial Results:

Suppression of white clover and dandelion. Yellowing of *Poa annua*.



Velocity SP

Course & Superintendent Overview:

Glasgow Hills Golf Course in New Glasgow, PEI, is a Les Furber-designed 18-hole championship course known for dramatic elevation changes, stunning views of the River Clyde and Gulf of St. Lawrence, challenging undulating fairways, and fast, tricky greens, offering a world-class experience for all skill levels. Alex Taylor has been a member of the Turf Industry for 12 years, with last season being his first year as Superintendent at Glasgow Hills.



Sept 15, Two weeks after second application. Visible discoloration of Poa annua (Annual Bluegrass).



August 30, 1 month after first app

Trial Info:

-  Location: New Glasgow, PEI
-  Date/ Season: July-August 2025
-  Trial type: Herbicide
-  Weather: Dry, hot, little rain
-  Site Conditions: Sand based Providence bentgrass.
Deep and infrequent watering practices.

Application Rate:

16g/A @ 1.08 Gal/1000 sqft on nursery green and all black tee boxes on course. Mowing height of .400

Performance:

Velocity is a great additive in the program for slow suppression of poa annua, and increased dollar spot control.

Highlights:

- Yellowing of poa annua
- Increased dollar spot control
- Suppression of dandelion and white clover

Testimonial from Superintendent:

"A great product for the suppression of poa annua, dandelions and clover, with increased dollar spot control. Watch out for yellowing in the collars, suggest to mix in some iron with this product."

-Alex Taylor

Velocity SP

Course & Superintendent Overview:

Built in 2014, opening in 2015 the Links at Brunello is an 18 hold Tom McBroom layout featuring bentgrass greens, tees and fairways. Joel Ameriault has been at Brunello since it's inception and Acting Superintendent since 2023. With a background in forestry Joel transitioned to the golf industry starting at Digby Pines.



June 30th



August 25th



September 8th



October 8th

“Potential for fairway programs”

-Joel Amirault

Trial Info:



Location: Timberlea, NS



Date/ Season: June 21- Sept 16, 2025



Trial type: Herbicide



Weather: Very Dry



Site Conditions: 1.25 ac bentgrass fwy with poa anna invading, sand capped 6-8", double row irrigation, mowing height is .350 (8.89mm)

Application Dates & Rates:

Low Rate:

High Rate:

1st June 21 app 16g/ha

Aug 4th 31g/ha

July 15 16g/ha

Aug 28th 31g/ha

Sept 19 31g/ha

Performance:

Higher rate provided better results. The fairway received biweekly N and Fe along with a monthly cocktail of Mg,Mn,B,Cu,Zn. Fungicide treatment July/Sept. Occasional Hume N app and Spot treatment of Primer/1690 on high spots/dry areas.

Highlights:

- Afternoon apps performed better
- Started to yellow after 4th application
- 15-20% of Poa was visually affecting. Looking for larger knockdown coming out of winter due to Velocity apps weakening the Poa.