



# THE MIDWEST MIX: WINNING THE WAR ON TURF

## **Integrated Insect and Disease Management for Cool-Season Turfgrass in the Upper Midwest**

*This seasonally structured turf management program is designed to provide comprehensive insect and disease control for cool-season turf in the Upper Midwest. By strategically timing applications of Suprado, Contrado, Strobe Pro, and Enclave, turf managers can build a robust program for year-round protection.*

*A single fall application of Enclave delivers proven control of pink, gray, and speckled snow mold through winter. In spring, an optional Suprado application targets annual bluegrass weevil as this pest continues to spread. The combination of Strobe Pro and Contrado offers efficient, broad-spectrum control of early-season patch diseases and season-long control of root and foliar feeding insect pests in one pass. This program simplifies operations and delivers strong agronomic value through thoughtful integration of trusted solutions.*

### **SUPRADO (NOVALURON)**

- Insect growth regulator (IGR) that interrupts pest development
- Excellent control of annual bluegrass weevil (ABW) larvae and early instars
- Ideal for early-season applications to prevent damaging populations
- Long residual activity with minimal non-target effects

### **CONTRADO (CHLORANTRANILIPROLE)**

- Broad-spectrum insecticide targeting key turf pests like white grubs, caterpillars, billbugs, and more
- Exceptional systemic activity and season-long control
- Low risk to beneficials and pollinators
- Flexible application window

### **STROBE PRO (AZOXYSTROBIN + PROPICONAZOLE)**

- Dual-active, broad-spectrum fungicide for foundational disease control in spring and early summer
- Controls key turf diseases including brown patch, dollar spot, leaf spot, anthracnose, and summer patch
- Combines FRAC Groups 11 and 3 for preventive and curative activity
- Excellent systemic movement and residual performance when watered in after application

### **ENCLAVE (CHLOROTHALONIL + IPROPIONE + THIOPHANATE-METHYL + TEBUCONAZOLE)**

- Four-way fungicide combination offering broad-spectrum disease protection
- Excellent control of snow mold, anthracnose, dollar spot, patch diseases, and leaf spot
- Combines both contact and systemic modes of action for immediate and residual control
- Ideal for fall applications to protect against overwintering pathogens
- Diversity across FRAC Groups 1, 2, 3, and M5 helps reduce resistance development
- Perfect follow-up to Strobe Pro for continued season-long protection and resistance management

This comprehensive program delivers protection against key turfgrass diseases and insect pests for cool-season turf in the Upper Midwest. By strategically timing applications of Contrado, Strobe Pro, and Enclave, superintendents can establish a robust foundation for both disease and insect control. An optional Suprado application introduces the gold standard of annual bluegrass weevil (ABW) control as this pest continues to spread through the Midwest. When applied together, Strobe Pro and Contrado simplify spring operations by combining broad-spectrum disease and season-long insect protection into a single early-season spray.

## UPPER MIDWEST COOL-SEASON TURFGRASS PROGRAM

Timing	Solution	Target Pests	Rate (per 1000 ft <sup>2</sup> )	Application Notes
Mid-April – Early May <i>As needed</i>	Suprado	Annual bluegrass weevil adults and early instar larvae	3.0 fl oz	Target peak ABW adult migration (~120–170 GDD, base 50°F); monitor phenological indicators like half-gold forsythia bloom. Allow to dry for 24 hrs. before irrigating.
Early May	Strobe Pro + Contrado	Spring patch diseases, white grubs, armyworms, cutworms, sod webworms, billbugs	3.0 fl oz + 0.37 fl oz	Apply as foundational spring app. Follow application with 0.1-0.2" irrigation to move active ingredients into the soil to control root-zone pests and ensure systemic uptake.
Early June	Enclave	Brown patch, dollar spot, leaf spot, anthracnose, summer patch	8.0 fl oz	Continues foundational fungicide protection as soil temps rise. Apply with enough carrier volume to penetrate leaf canopy.
October - November	Enclave	Snow molds	8.0 fl oz	Apply to greens, tees, and fairways prior to snow cover. Water in with light irrigation if snow is not imminent. Offers multi-site and systemic protection through winter.

## PROVEN PERFORMANCE

Data from three university trials conducted during the 2020–2021 winter season show exceptional control of pink, gray, and speckled snow mold with a single fall application of Enclave. Applied between October and November, Enclave delivered reliable, season-long protection.

