



THE MIDWEST MIX: WINNING THE WAR ON TURF

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

This 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, Doxem T&O, Strobe Pro, and Enclave, turf managers can build a robust program for year-round protection.

Suprado and Doxem T&O target all stages of annual bluegrass weevil as this pest continues to spread in the region. 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. A single late fall application of Enclave rounds out the program by delivering proven control of pink, gray, and speckled snow molds for full-winter protection.

PRODUCT STRENGTHS

Suprado (Novaluron, Group 15)

- Novel insect growth regulator (IGR) disrupts development and reproduction
- Ideal for early-season applications to prevent populations from developing
- Unparalleled efficacy on annual bluegrass weevil (ABW) adults and larvae

Contrado (Chlorantraniliprole, Group 28)

- Broad-spectrum insecticide targeting key turf pests like white grubs, caterpillars, and billbugs
- Exceptional systemic activity and season-long control with a single application
- Flexible application window

Doxem T&O (Indoxacarb, Group 22)

- The first liquid indoxacarb formulation for turfgrass, eliminating abrasive granules common in WDGs
- Provides a novel ingestion-based mode of action that complements other insecticide classes
- Delivers residual protection from ABW, turf-feeding caterpillars, and nuisance ant species

Strobe Pro (Azoxystrobin + Propiconazole, Groups 3, 11)

- 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 + Iprodione + Thiophanate-methyl + Tebuconazole, Groups 1, 2, 3, M5)

- 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
- Perfect follow-up to Strobe Pro for continued season-long protection and resistance management

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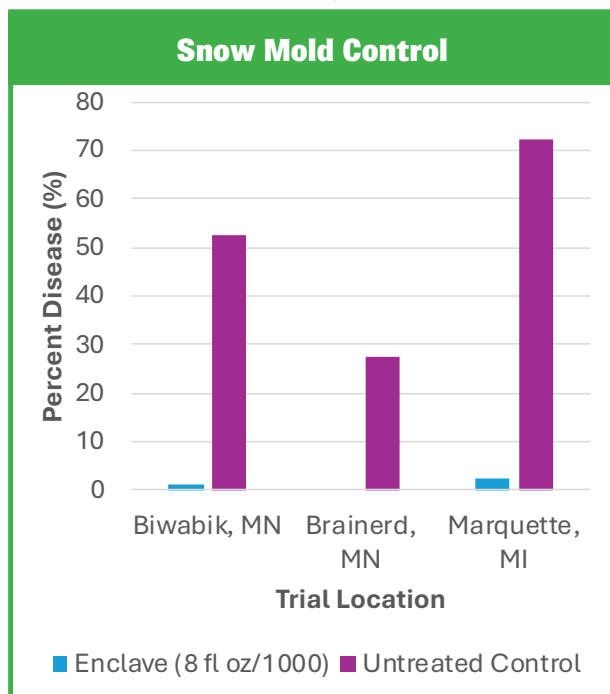


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UPPER MIDWEST COOL-SEASON TURFGRASS PROGRAM

Timing	Solution	Target Pests	Rate (per 1000 ft ²)	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 + Doxem T&O	Brown patch, dollar spot, leaf spot, anthracnose, summer patch + ABW late instar larvae, turf caterpillars, and nuisance ants	8.0 fl oz + 0.34 fl oz	Continues foundational fungicide and insecticide 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.