

# SUPRADO AND CONTRADO: THE NORTHEAST'S ONE-TWO PUNCH FOR SEASON-LONG INSECT CONTROL

*This foundational spring insecticide program for the northeast combines **Suprado and Contrado** to deliver comprehensive, season-long control of **annual bluegrass weevil (ABW), white grubs, caterpillars, and other key turfgrass insect pests**. Suprado, an insect growth regulator, is timed to disrupt ABW development during adult migration or early larval stages, before damage begins. Contrado follows as a systemic, broad-spectrum solution that extends control to billbugs, grubs, and foliar-feeding caterpillars through a single early-season application.*

*The program's timing flexibility allows for precise targeting of overlapping pest life cycles, while minimizing disruption to beneficial insects. Used together, Suprado and Contrado offer a highly compatible, resistance-conscious one-two punch that simplifies spring spray programs and protects greens, tees, and fairways well into the growing season.*

## **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 long-lasting control
- Low risk to beneficials and pollinators
- Flexible application window

## **INDOXACARB**

- Fast-acting insecticide with a unique mode of action as a voltage-dependent sodium channel blocker
- Delivers excellent control of annual bluegrass weevil (ABW) larvae and turf-feeding caterpillars
- Effective on late-instar ABW populations that may escape early-season treatments
- Ideal rotational partner for resistance management in ABW programs
- Compatible with Suprado and Contrado in integrated insecticide strategies

## **FLEXIBLE AND COMPATIBLE APPLICATIONS WITH SUPRADO AND CONTRADO**

Thanks to novaluron's long residual activity lasting 30+ days, and its ability to impact multiple annual bluegrass weevil ABW life stages, Suprado offers **flexible application timing**.

- Optimal results when applied during peak ABW adult migration, halting larval development before feeding damage begins.
- When targeting peak adult migration, apply between 120–170 growing degree days (base 50°F, beginning March 1), typically when forsythia shrubs display a half-gold, half-green appearance.
- Later applications aimed at early larval instars are also highly effective and often align with full bloom of redbuds and dogwoods.

Contrado's exceptional residual activity allows for **season-long control** of white grubs, foliar-feeding caterpillars, and billbugs with a single early-season application. Following a Suprado application with Contrado also strengthens your ABW program, suppressing later-developing larvae and broadening your coverage window. With systemic movement and long-lasting performance, Contrado is a cornerstone product for proactive insect management in turf.

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# FOUNDATIONAL SPRING INSECTICIDE PROGRAM FOR GOLF COURSE GREENS, TEES, AND FAIRWAYS

Timing	Solution	IRAC	Target Pests	Rate/Acre	Application Notes
Early April – Mid May	Suprado	15	Annual bluegrass weevil adults and early instar larvae	4 qts	Let dry on turf for 24 hours after application to allow for better contact with migrating adults. Then irrigate with 0.1-0.2" irrigation to move the active ingredient to the crown and thatch layer where larvae are present.
April - June	Contrado	28	White grubs, armyworms, cutworms, sod webworms, billbugs	12-16 fl oz	Post-application irrigation or rain of 0.1-0.2" is needed immediately or within 1-2 weeks to move the active ingredient to the root zone for control of white grubs and to allow for systemic uptake in the plant. Mowing turf prior to irrigation or rain may remove treated tissue and limit efficacy.
Mid-May – Early June	Indoxacarb	22	Annual bluegrass weevil larvae and turf caterpillars		Apply with enough carrier volume to move the active ingredient to the crown and thatch layer. Also allow to dry on the leaf surface for maximum contact with migrating adults and late instar larvae.
June	Suprado	15	Annual bluegrass weevil larvae and newly developed adults	4 qts	Apply 14–28 days following the Indoxacarb application to target larvae and new generation adults. Let dry on turf for 24 hours after application to allow for better contact with migrating adults. Then irrigate with 0.1-0.2" irrigation to move the active ingredient to the crown and thatch layer where larvae are present.



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