



Smarter Pest Control with IGRs

The Science Behind Long-Term Success



Traditional Insecticides VS Insect Growth Regulators (IGRs)

Insect infestations can be persistent, frustrating, and incredibly hard to control—especially when they keep coming back no matter what you do. Many **traditional insecticides** kill insects quickly – which is a great quick fix! However, these quick-acting solutions don't provide any residual protection. So you will have to apply the insecticide again, and again, and again...wasting time and money!

Insect Growth Regulators (IGRs) don't kill bugs right away—but they stop them from growing up! By preventing pests from reaching adulthood, they stop future infestations before they start. Used with a traditional insecticide, you get quick kill and long-term control. That means fewer pests, —and fewer treatments. It's a smart combo that saves time, money, and frustration!

How IGRs Work

IGRs affect biological processes unique to insects, **preventing their normal development**. For insects to grow, they must shed their exoskeleton (a process called molting) and form a new one. Some IGRs **disrupt this molting process**. They prevent the insect from making a new protective shell. This kills the insect.

Many insects also undergo a dramatic metamorphosis (change in form). For example, a mosquito larva swimming in the water becomes a pupa and then emerges from the water as a flying, biting mosquito. Some **IGRs inhibit metamorphosis**, preventing the pupa from becoming an adult insect.



Cockroach Molting



Mosquito Metamorphosis - Pupa Stage

The IGR Advantage

1. Long-Term Pest Control Where Traditional Insecticides Fail

Traditional insecticides target only adult insects, leaving eggs and larvae to mature and restart the problem. IGRs don't kill adult pests, but they prevent eggs and larvae from maturing into breeding adults. This means fewer infestations over time, reducing the need for constant insecticide applications.

2. Safe for Families & Pets

IGRs have lower toxicity to humans and pets than traditional insecticides. They're a great choice for conscientious homeowners.

3. Residual Effectiveness

IGRs keep working long after you apply them – staying active for weeks or months – disrupting insect development the entire time. That means fewer treatments, and more peace of mind.

4. Boost Your Treatment

Have it both ways! Pairing an IGR with a traditional insecticide quickly knocks down active infestations AND prevents future outbreaks, delivering long lasting results.

5. Non-Repellent

Some insecticides only repel pests, often causing them to relocate temporarily. IGRs DON'T! Insects keep coming into treated areas and picking up the IGR. That ongoing exposure stops their growth and disrupts the life cycle, giving you longer control.

6. Insecticide Resistance Management

Some pests—like cockroaches and bed bugs—are getting harder to kill with traditional insecticides due to resistance. But when you include an IGR in your treatment, you've got a backup plan. Even if the insecticide doesn't kill them, the IGR steps in and keeps them from growing up or reproducing. That means no new generation of resistant pests—and that's a big win.

Why Choose IGRs?

If you're struggling with persistent insect problems, incorporating an IGR into your control strategy can be a game-changer. Unlike traditional insecticides that only kill adult insects, IGRs eliminate the root of the infestation by stopping reproduction. By using Martin's I.G. Regulator, you ensure lasting pest control with fewer applications, greater safety, and a more effective strategy for protecting your home or business.

REMEMBER...

- Combining an IGR with a traditional insecticide consistently works better than the insecticide alone.
- Choose products that contain a traditional insecticide plus an IGR, or add one to the traditional insecticide you're using.
- For a complete list of application sites and usage instructions, always refer to the product label.

Take Control Today!



Professional Grade. Home Ready.

Martin's IGR Products

Martin's I.G. Regulator

Effective Against

- Fleas
- Cockroaches
- Flies
- Mosquitoes
- Gnats
- Crickets
- Ants

Flexible Use

Whether used indoors or outdoors, Martin's I.G. Regulator disrupts the life cycle of pests, preventing them from reaching reproductive maturity. Offers lasting protection against targeted pests, reducing the need for frequent applications.

Indoor:

- ✓ Prevents Cockroach reinfestations for up to 6 months
- ✓ Prevents Flea reinfestations for up to 7 months.
- ✓ Spot Treatment applications
- ✓ Use with Carpet Shampoo

Outdoor:

- ✓ In Kennels and Doghouses



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Mosquito Pro Ready-to-Spray Mosquito Killer

Mosquito Pro Ready-to-Spray is your fast-acting and long-lasting solution for mosquitoes and several other hard to control pests including ants, fleas, and ticks.

- Controls mosquitoes in your yard for TWO months
- Three Actives: ONE traditional insecticide, plus TWO Insect Growth Regulators
- One bottle [32 oz.] to cover up to 8,000 square feet [or mosquito control]
- Won't harm ornamental plants, shrubs, trees, your wood deck or home
- Ready to spray – simply connect to your hose and spray



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Control Solutions Inc. (CSI), based in Pasadena, Texas, is a hybrid manufacturer featuring a broad spectrum of post-patent and innovative products. CSI operates through four main divisions: CSI-Pest, Quali-Pro, CSI Production Animal, and Martin's, each focusing on different aspects of pest control, turf & ornamental, animal health, and consumer products. Over the past ten years, we've pioneered more groundbreaking products than any of our competitors, setting new standards in the specialty chemical industry.

