

The Pioneers of IGR Technology

Your Professional Guide to Insect Growth Regulators (IGRs)

It all started in 1968, when a scientist named Dr. Carl Djerassi and his team commercially produced a group of molecules called insect growth regulators (IGRs) and founded Zoëcon.

The rest, as they say, is history.

WHAT IS AN IGR?

Our pioneering IGRs revolutionized insect control – this method interferes with the development and reproduction of insects.

Beginning with (S)-methoprene, and the later development of (S)-hydroprene and kinoprene, these compounds became the building blocks of the comprehensive Zoëcon® portfolio of insect control solutions.

WHAT VALUE DO IGRs OFFER FOR PMPS?

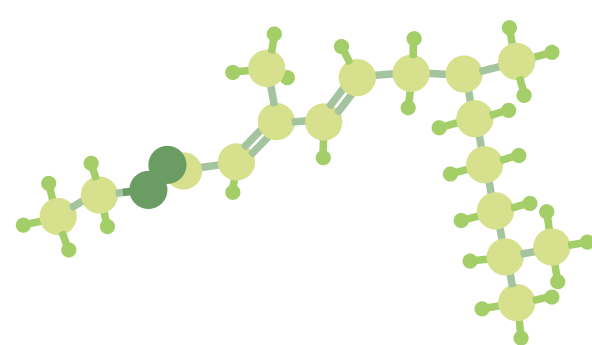
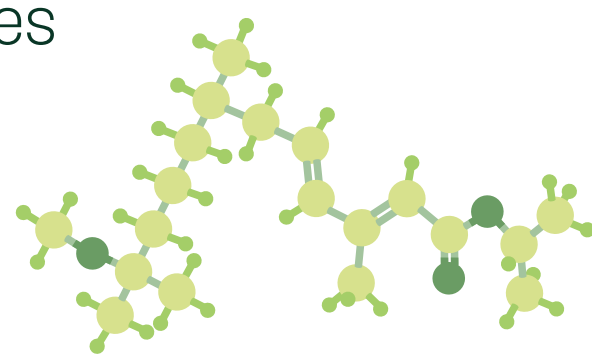
Because of our IGRs, PMPs no longer have to rely solely on product options that depend on direct toxicity or attacking an insect's central nervous system to be effective. Repeated or over-use of the aforementioned products can lead to resistance. Our IGRs offer PMPs an alternative that ends infestations by controlling insects at the larval stage, breaking the life cycle of many insects. Our pioneering IGRs can be used with insecticides for complete control and elimination of costly callbacks.

WHAT IGRs HAVE ZOËCON DEVELOPED?

(S)-Methoprene controls insects by interfering with normal hormone levels at critical development periods, preventing growth and/or maturation.

It is utilized today in various applications such as feed-throughs to control fly species that serve as vectors for transmitting diseases in livestock, grain protection to control damaging beetle species, mosquito control to mitigate various disease transmission, and more, serving as a pivotal component in pest management strategies across diverse markets.

(S)-Hydroprene was originally designed to fight cockroaches, but has also been proven effective on bed bugs, fruit and drain flies. (S)-Hydroprene has the unique ability to translocate. It is heavier than air and will move on air currents to penetrate deep into pest harborage areas. In some insects, it affects eggs or female fecundity.



WHERE IGRs ARE UTILIZED TODAY



LIVESTOCK



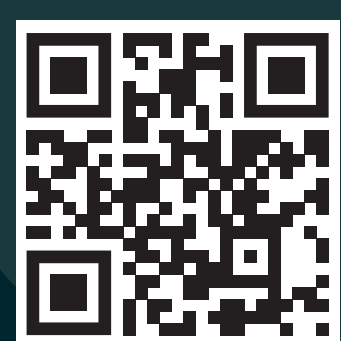
PUBLIC HEALTH



AGRICULTURE



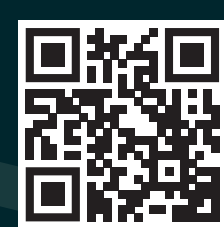
NURSERY



Watch our videos to learn more about the molecules that started it all!



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1968

Zoecon was founded by Dr. Carl Dejerassi upon the development of the pioneering IGR Methoprene.



1970

Zoëcon acquired Thuron Industries, leading to the development and production of commercialized IGR products, including what would become the Precor® lineup of flea control products.



1983

Zoëcon developed the IGR (S)-hydroprene, a more effective solution to cockroach control that powers our Gentrol® line of products.

1997

Central Garden & Pet acquires animal health and professional pest control product business, including Zoëcon.

2007

Central Garden and Pet establishes a new business unit, Central Life Sciences which includes Zoëcon Professional Products.

Zoëcon is dedicated to creating healthier environments by offering professionally applied solutions to control nuisance and disease-carrying insects formulated with our pioneering IGR technologies.

TODAY

Zoëcon continually advances pest control innovation, setting new standards for effectiveness and sustainability.

TARGETED INSECTS:

Cockroaches, Fleas, Horn Flies, Weevils, Ants, Mosquitoes and more.

