

BOTANICAL INSECT CONTROL

A GREENER SOLUTION

With the growing interest in natural pest control among both residential and commercial clients, it's important to understand some of the EPA-approved natural ingredients utilized in the market. Throughout history, essential oils derived from plants have proven effective in repelling a wide range of insects. Today, these plant-based active ingredients deliver effective insect control while breaking down more quickly than their synthetic counterparts, providing PMPs a more versatile range of options. The Essentria® product line from Zoëcon® Professional Products utilizes various combinations and amounts of natural or essential oils that have been approved by the EPA as eligible for use in 25(b) Exempt products.

WHAT DOES THE 25(B) EXEMPT DESIGNATION MEAN FOR ESSENTRIA® PRODUCTS?

The US EPA has exempted certain pesticides that pose little to no risk to humans or the environment from federal registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). These pesticides, including the full Essentria® product line, are known as FIFRA 25(b) Exempt, or minimum risk, pesticides. The EPA does not review these products or their labels, but most states will require that the products be registered.

WHAT ACTIVE INGREDIENTS CAN BE FEATURED IN 25(B) EXEMPT PRODUCTS?

The EPA has approved several active ingredients for use in 25(b) Exempt products, including the seven plant-based ingredients pictured below that are among those utilized in our Essentria® product line. These active ingredients are proven to kill, repel or mitigate pests listed on the label, and can be used alone or in combination with other approved active ingredients.

WHAT SEPARATES ESSENTRIA® PRODUCTS FROM OTHER NATURAL OPTIONS?

Not all active ingredients are created equal. The same active ingredient can have differing levels of quality and efficacy depending on the supplier. Different active ingredients can also impact specific target pests differently. Essentria® products are formulated with high-quality ingredients at precise levels to ensure the most effective control possible.

Cornmint Oil

High in menthol, cornmint oil is valued for its pleasant aroma and effectiveness against cockroaches and ants, especially when mixed with other ingredients like sodium lauryl sulfate

Thyme Oil

This versatile ingredient demonstrates antimicrobial, antifungal, and insecticidal properties against a range of insects, including ants, aphids, earwigs, and mosquitoes.

Garlic Oil

Derived from *Allium sativum*, this non-toxic insect repellent with biocidal properties is effective against various insects without harming humans or pets.

Peppermint Oil

Extracted from *Mentha*, peppermint oil has non-toxic repellent properties and antimicrobial abilities, useful against a variety of insects.

Geraniol

An essential oil found in roses and geraniums, geraniol is a potent mosquito and tick repellent and can be used against mites.

Clove Oil

This versatile repellent helps control a wide range of insects, including mosquitoes, ants, wasps, and more.

Rosemary Oil

Produced from *Rosmarinus officinalis*, rosemary oil is primarily used to repel moths, fruit flies, lice, and mosquitoes.



Client expectations and demands are shifting in favor of green solutions, largely driven by the millennial demographic. PMPs who offer a wider range of solutions, including botanically based pesticides, will be better positioned to meet this demand. Essentria® products can deliver effective insect control in and around:

- Building foundations
- Daycare facilities
- Food handling areas
- Food processing plants
- Garages
- Golf courses
- Greenhouses
- Grower Facilities
- Homes
- Hospitals
- Hotels
- Lawns and turf
- Nursing homes
- Offices
- Parks
- Restaurants
- Schools
- Zoos



Scan the QR Code to learn more about the Essentria® family line within the State of the Naturals publications



Discover the gentle effectiveness of Essentria® products by visiting Zoecon.com/all-products/essentria

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