



The **Protocol** Builder



FOR TREATING COMMERCIAL AND RESIDENTIAL ACCOUNTS

These protocol guidelines were put together by our experts in order to help you use our products more effectively. It's all part of a commitment to be more than just a supplier of professional products, but to be the pros that PMPs can consistently turn to for support, service and new ideas.



• 3 DAPS • CONCENTRATES • FOGGERS • GRANULES •
• SPRAYS • AEROSOLS • DAITS • POWDERS • WATER-SOLUBLE POWDERS •

Behind Pro-Formance

The Zoëcon® Professional Product lineup is designed to walk softly. Our goal is to minimize our environmental footprint with targeted pest control. **Zoëcon® Product Solutions:**

Growth regulators negate the development of insects. In lieu of stopping direct toxicity, IGRs affect development essentially preventing larvae from feeding. Zoëcon originated the IGR (S)-methoprene.

Powders

Aerosols

Sprays

Trap:

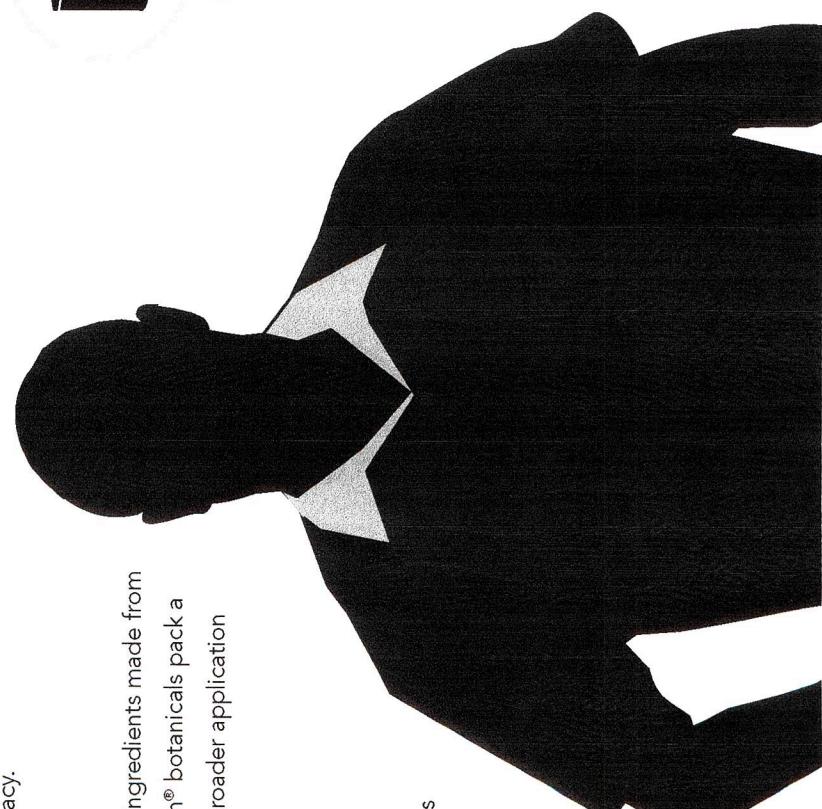
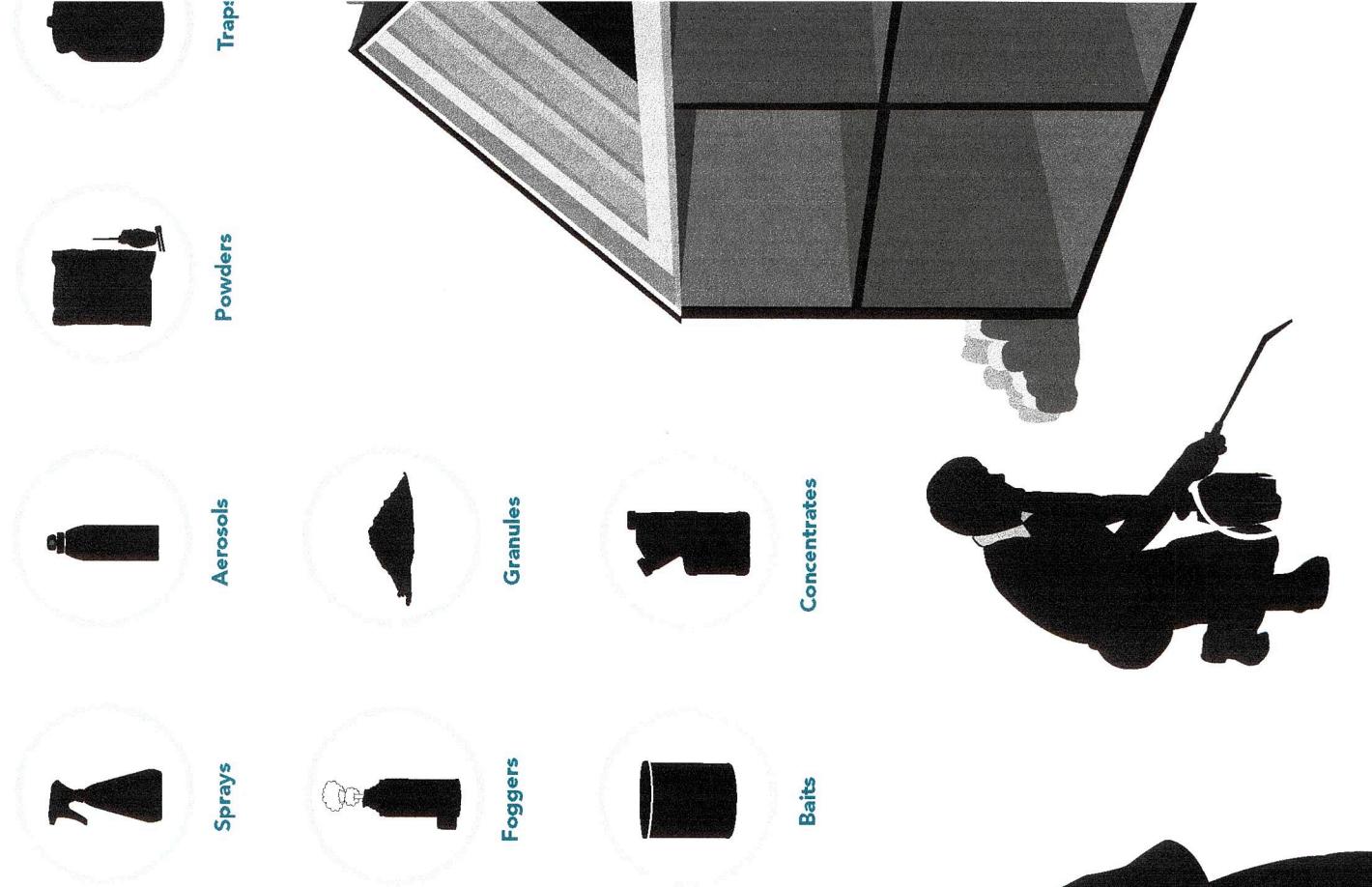
Quick knockdown and targeted control with minimal environmental impact is the brand for Zoëcon® insecticides. A majority of these are formulated with ; Etofenprox or Imidacloprid as active ingredients.

A mix of an insect growth regulator and insecticides in one easy-to-use active ingredients have to complement each other. Zoëcon® combination carefully formulated and tested for efficacy.

It chemistry insecticides that contain ingredients made from ; of naturally occurring plants. Zoëcon® botanicals pack a lily derived insecticides allowing for broader application

Combining the control of pyrethrins, isists are powered by PBO and serve as ix partners. When mixed with other ergists provide an extra boost for ng power.

Zoëcon carries a wide variety of product format options that can be used so PMPs have a choice when it comes to control. **Zoëcon® Product Format Options:**



*Put together a protocol with Zoëcon®
Professional Products that fights
kitchen invaders and can be applied
where food is prepared without
slowing down operations.*



Ants

Inspecting for proper identification is key to control; make inspections easy by removing pantry items and pre-baiting exteriors to stimulate activity. To keep nuisance low, maintain food-free surfaces and place bait in voids and hidden areas.

Protocol

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Featured Products:



^a All
Insecticide
rate

A Two

To effectively fight insect pests, spray Gentrol® Aero treatments, or use a tank mix of Adonis™ 2F Insect



Cockroaches

When inspecting for cockroaches, use a mirror to check areas under sinks, countertops and adjacent to dishwashers. Keep in mind that nymphs don't wander far from their harborage, so seeing one means that a harborage is nearby.



Stored Product Pests

During inspection, note that stored product pest larvae can move far from breeding sites and primary infestations. During treatments, make sure to properly seal and dispose of infested items until they can be removed from the premises.



Drain and Fruit Flies

Drain and fruit fly infestations in the kitchen are marked by the visible presence of mature adults. Drain flies rest on walls and ceilings; they're not good at flying, so their breeding site (a pipe or drain) will



Follow up with ext. using a tank mix of Adonis™ 2F Insect

Combos



For food handling areas mix Lambda 9.7 c the IGR power of G. Gentrol Concentrate to fight pests from re-emerg

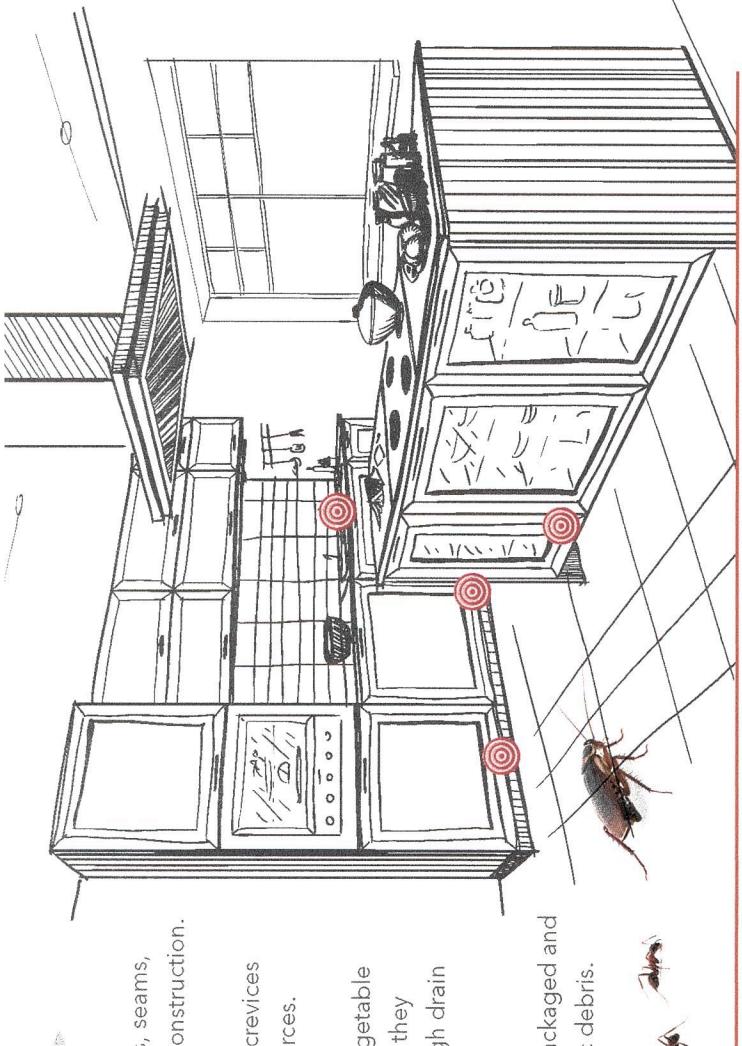
Exciter™
Synergist

Gentrol® Family - Aerosol, Concentrate, and Point Source
Synthetic insect growth regulators

Fly Control:

Indoor

seams,
construction.
cervices
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jetable
they
in drain
ickaged and
debris.

Focus on Food:

Pests can invade foodstuffs and use them as breeding grounds. Remove infested items and treat surrounding cracks, crevices and surfaces with **Gentrol® Aerosol** in order to control migrating immature stages and prevent adult emergence of hidden larvae.



A "Green"

Given their food consumption, surprise that demand in kitchens is especially high for an eco-friendly kitchen that pose no harm.



After treating a kitchen for flies, finish the job by leaving behind fly traps such as the insecticide-free **Musca-Stik™ Sticky Fly Trap**, **Lure-Fly™ Fly Catchers** or the **Starbar® EZ Trap**.



Outdoors

Even after a kitchen has been treated, flies from exterior areas such as dumpsters and outdoor waste receptacles can find their way in. Keep them out by employing a scatter bait rotation around the exterior of the building, with special focus on disposal areas. **QuikStrike® Fly Bait**, **Golden Malrin® Fly Bait**, **Starbar® QuikStrike® Fly Abatement Strip**, **Starbar® Trap 'N Toss™** and **Starbar Captivator® Fly Trap** draw flies away from food sources and kill them immediately after ingestion.



Apply EcoPCO **Insecticide** as a food handling aid in drains, bathrooms and garages.



Apply EcoPCO **Water Soluble Pesticide** to cupboards and store with spot, crack and crevices treatments. This formula is especially effective.

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Ants

Different ant species require different treatments, so be sure to properly identify the invaders. The key is to identify what is drawing them in – usually food and water sources – such as standing water or hair in drains.

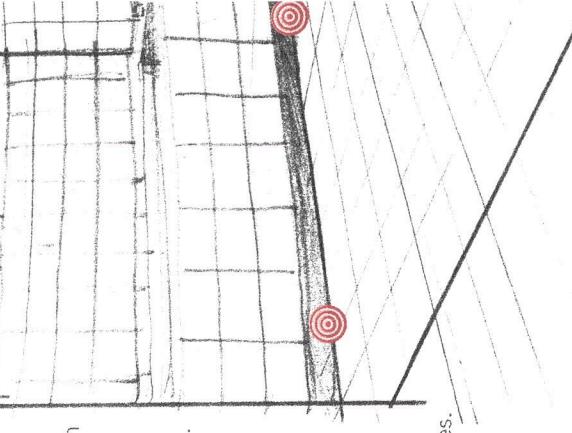


sinks, bathtubs, pipes and baseboards.

Because they are unable to climb on smooth surfaces, silverfish are often found trapped in sinks and tubs. Look for infestations in baseboards, plumbing jets and humid areas.

Springtails and other occasional invaders need moisture to survive, so they often congregate around sinks and tubs.

Look for cockroaches underneath sinks, drains, rubber mats and in dark, damp places.



Cockroaches

In both commercial and residential bathrooms, water tends to pool up and attract cockroaches. Puddles should be wiped regularly to avoid these pests.



Silverfish

Silverfish love humidity, so advise clients to ventilate bathrooms after showering.



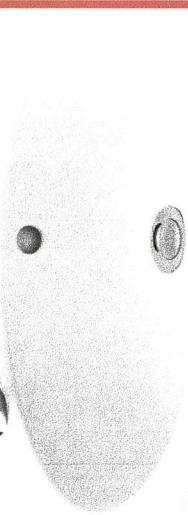
Occasional Invaders

When identifying an occasional pest infestation, keep in mind that different species invade during specific weather conditions.

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A "Greener" Alternative:

For accounts that request an eco-friendly pest control protocol for bathrooms, use the following techniques:



To kill crawling insects, spray **Essentria® All Purpose Insecticide Concentrate** around cracks, crevices and drains.



Use **EcoPCO® D-X Dust Insecticide** around drains, in wall voids and around the bases of toilets, sinks and bathtubs.



Apply **Essentria® ACU Concentrate** to exposed areas, cracks, crevices, corners and drains.

Spray **EcoPCO® ACU Insecticide** in cracks and crevices, behind

EcoPCO



A Three-Step



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Protocol

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oms with a protocol that will put invaders to rest.



For a quick knockdown of bed bugs, fleas and other listed pests, spray **Essentria® Broadcast Aerosol** on mattresses, headboards, baseboards, carpeting, furniture and pillows.



Zenprox®

Aerosol

and Zenprox® EC

Insecticide



Gentrol® IGR Concentrate
Synthetic insect growth regulators

625 spray le

Zenprox®

Aerosol

and Zenprox® EC

Insecticide



- Note that larvae spread
- Check for infestations

a lot of time, such
Note that larvae
det fibers, under
ces.

pest control products.
Here's what to use for an
eco-friendly bedroom
and hotel room protocol:



Apply **EcoPCO® D-X Dust Insecticide** on headboards, baseboards, carpeting and mattress seams to treat bed bugs. Dust inside empty dressers, on carpet edges and on bed frames.



Use **EcoPCO® ACU**

Ants

Before planning a control protocol, properly identify the ant species present. Bait placement should be in hidden areas to avoid nuisance.



Cockroaches

Cockroaches can enter through cracks and crevices, sewers, vents and drainpipes. Treat these areas and make sure that all plumbing is properly sealed.



Bed Bugs

Treat all furniture from multiple angles for harborage hidden underneath bed frames and furnishings. To prevent bed bugs from spreading, keep beds away from walls and limit floor contact.



Fleas

Fleas go through four stages throughout their life cycle – eggs, larvae, pupae and adults. Control them during every stage with a combination of adulticides and insect growth

Treat entry points, hidden areas, cracks and crevices, surfaces, bed frames and box spring seams with **Precor® 2625 Premise Spray** or **Zenprox® EC** insecticide combined with **Gentrol® IGR Concentrate**.



A Trifecta of Bed Bug and Cockroach Cont

For a quick knockdown – and control lasts – tank mix **Zenprox® EC** insecticide synergist and **Gentrol® IGR Concentrate** insecticide combined with the synerg quickly flushes and kills cockroaches a month of residual control. The insect in **Gentrol® IGR Concentrate** prevent rebounding for up to four months.



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Extrit

1

From resiaannual yards to commercial landscapes, put together a protocol for all the insects you'll come across.

Honeydew-Producing Insects



Occasional Invaders

Outdoor treatments of occasional pests such as spiders, earwigs and springtails are key to preventing them from making their way indoors.



Wasps

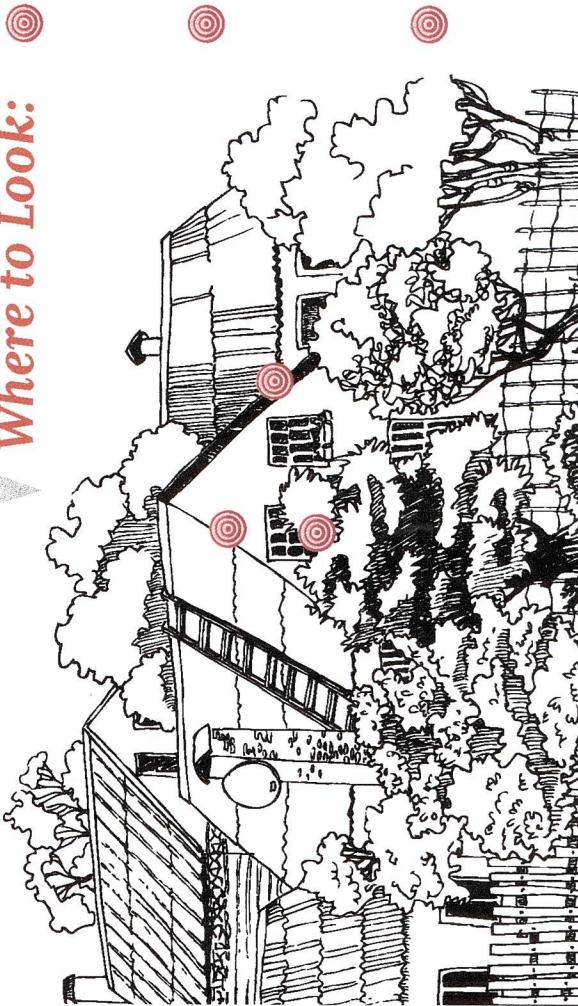
Unless it is located in a dangerous or inconvenient position, there is no harm in leaving the physical nest where it is. Residual insecticide on the nest will kill any wasps that encounter it after the initial spray.



Mosquitoes

Source reduction is key to mosquito control. It involves getting rid of unnecessary mosquito breeding grounds (areas with standing water) and resting grounds (weedy areas with excessive vegetation).

Where to Look:

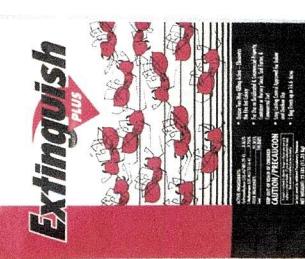


Protocol

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Lambda 9.7 CS
Insecticide



Extinguish



Lam
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Aldoris 2F™
WT Concentrate
Insecticide

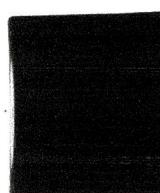
around windows,
porches, vege-
to control a br-
of insects.

botanical formulas in many easy-to-use,
convenient formats.

Eliminate Unwanted Winter Guests:

As temperatures cool in the fall,
treat eaves and inside edges of rain
gutters with Lambda 9.7 CS insecticide
to prevent overwintering insects, such
as spiders, from entering buildings.

nity of buildings
• Concentrate and
knockdown and
feeding insects.



Wasp-X
Wasps & Hornet Spray

KILLS ON CONTACT!
JET SPRAY - WILL REACH
NESTS UP TO 20 FEET AWAY
FOAMING FORMULATION
PROVIDES RESIDUAL ACTIVITY
CAN BE USED INDOORS (LASTS
48 HOURS) AND OUTDOORS IN
WASP AND HORNET NESTS

It is essential that
applications be made in



Apply **Essentria®**
**All Purpose Insect
Concentrate** to
building foundations
and dumpsters,
windows, porches,
eaves and other
areas where pests
congregate.



To kill ants, mites, chiggers and fleas, apply
Essentria® G Granular Insecticide as a landsc-
turf and perimeter treatment. For best results
ants, pour directly onto the mound.



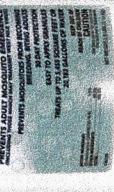
Apply **Ecopco®**
Water Soluble
as a perimeter
and crevice treat-
ment to control a br-
spectrum of fly
crawling insect-

Mosquito Management:

As awareness of mosquito-borne
illnesses such as West Nile virus,
Dengue and Zika virus increases,
mosquito control has become an
important source of revenue for many
pest management professionals. The
most effective management techniques
attack these pests at every stage of
their life cycle.

To prevent mosquito larvae from
developing into breeding, biting adults,
add **Altosid®** Briquets, **Altosid®**
Pro-G Insect Growth Regulator or
Altosid® Liquid Larvicide Mosquito
Growth Regulator to areas with
standing water. Next, eliminate adult
mosquitoes with a barrier treatment
of **Mavrik®** Perimeter, a contact-kill

Fire Ant Focus:
If you live in southern and southwestern states,
fire ants are as common as the sunrise. Apply
Extinguish® and **Extinguish® Plus** fire ant baits around
fire ant mounds with a spreader or a scoop. For smaller
colonies that are not visible for spot treatments,
consider broadcast applications.



stored goods,
the resulting
damage can be
extremely costly.

Keep insects
under control
with a protocol
specifically
designed for
warehouses and
storage areas.



Where to Look:

While house flies like to rest on floors, walls and ceilings, they breed in decaying matter such as food, garbage and drains.

Stored product pests infest whole grains and processed foods. They can be found underneath product containers as well as inside of them.

House Flies

Sanitation is essential when it comes to controlling house flies. After cleaning the warehouse, ensure that all food and waste receptacles are properly sealed.



Stored Product Pests

Before treating for stored product pests, destroy all infested foods and sanitize surrounding areas.

A "Greener"

Finding an eco-friendly pest control warehouse that holds sens



Spray EcoPCO Purpose Insect ACU Insecticid cracks, crevices where crawling i hiding in non-foo



To treat cockroache spiders, crickets and stored product pest apply EcoPCO® WP-X Water Solub Pouches to walls

House Flies

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Stored Product Pests

Before treating for stored product pests, destroy all infested foods and sanitize surrounding areas.



Phorid Flies

While most fly species will fly away when threatened, phorid flies can be identified by their tendency to run or "scuttle" away.



Cockroaches

To prevent cockroaches from

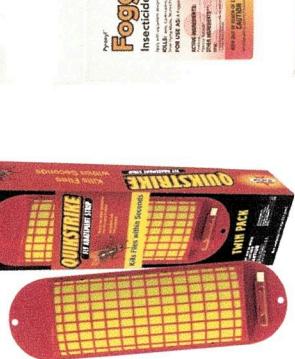
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CREATING THE WHOLE SPACE

Featured Products:



Gentrol® IGR Concentrate
Insect Growth Regulator



QuikStrike® Fly
Abatement Strip
Insecticide



Pyronyl™ Fogging
PF Concentrate
Insecticide

A Quick Kill:

If breeding sources and sites have already been addressed, simply treat the facility with Pyronyl™ Fogging PF Insecticide as a fogging or space spray application. This adulticide has been approved for use in food handling areas.



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ion:

aterials, treat racks, loading docks nts with a tank mix of a residual and an include Zenprox® EC or Lambda 9.7 CS entrol® IGR Concentrate.



A Greener Alternative

Many transportation vehicles are so some clients may request the

Protocol

THE WHOLE SPACE

Trucks, buses, airplanes, tractors and trailers can carry pests from all over. Insects in these high-traffic areas.



Precor® 2625
Premise Spray
Insecticide

Zenprox® EC and Aerosol
Insecticide

Pryonyl™ Fogging
PF Insecticide



Where to Look:

For cockroaches, look behind lighting, under the door, in cracks, crevices, windows and doorframes and inside exhaust pipes.

Ants can live in cracks, crevices, windows and doorframes, near the edges of baseboards and seats, in corners and even within seat upholstery.

Search for bed bugs in the seat fabric.

Look for fleas in the seat fabric, as well as in carpeted aisles.

Flies can be found resting on surfaces such as floors windows seats and

Cockroaches

Food and wrappers that have been stuck between seat cushions provide cockroaches with food in a dark and cool environment. Be sure to clean this area thoroughly.



Ants

These pests are attracted to water, sugar and food crumbs. Drivers, captains, pilots and attendants should check every seat on a day-to-day basis.



Bed Bugs

Once an infestation has occurred, prevent future problems by recommending active or passive monitoring programs on high-traffic vehicles.



Cockroaches

Food and wrappers that have been stuck between seat cushions provide cockroaches with food in a dark and cool environment. Be sure to clean this area thoroughly.



Use EcoPCO®
D-X Dust
Insecticide
around
equipment
in dark areas.

To kill ants, cockroaches and flea apply EcoPCO® AR-X Multi-Pur Insecticide aerosol to cracks, crevices and voids around garages, storage machinery, vents, windows and p



To control
mites and
Insect C
well as in
corners

The Dream

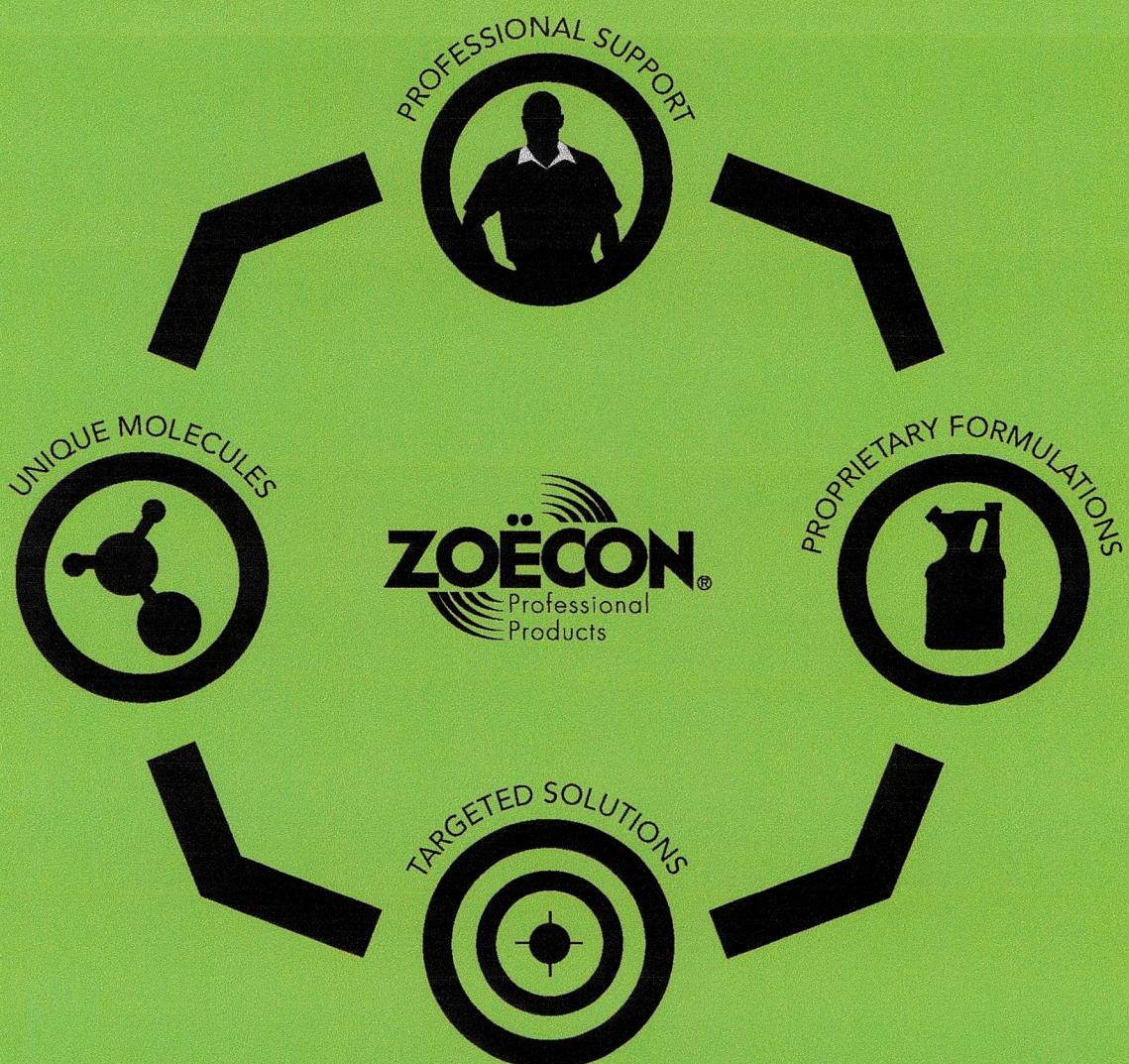
Zenprox® EC insecticide can be applied as a crack, crevice and spot treatment along aisles, bases of seats, corners, floors, exhaust pipes and window frames. Tank mix with an IGR for long-lasting control.



Zenprox

Fleas

Regular washing and vacuuming



To learn more about the comprehensive selection of preventative pest management solutions contact your Zoëcon distributor, call 1.800.248.7763 or visit Zoecon.com



Adonis, Altosid, Essentria, ExciteR, Extinguish, Gentrol, Gentrol Point Source, Golden Malrin, Mavrik, PBO-8, Perm-X, Petcor, Precor, ProBait, Pyronyl, QuikStrike, Starbar, Starbar with design, Wasp-X, Zenprox, Zoëcon, and Zoëcon with design are trademarks of Wellmark International. Captivator, EZ Trap, Fly Terminator, FlyRelief, Lure-Fly, Musca-Stik, Musca-Stik Jr., Red to Yellow colorgradation, and Trap 'N Toss are trademarks of Farnam Companies, Inc. EcoEXEMPT and EcoPCO are trademarks of Kittrich Corporation. PCO 17-002