

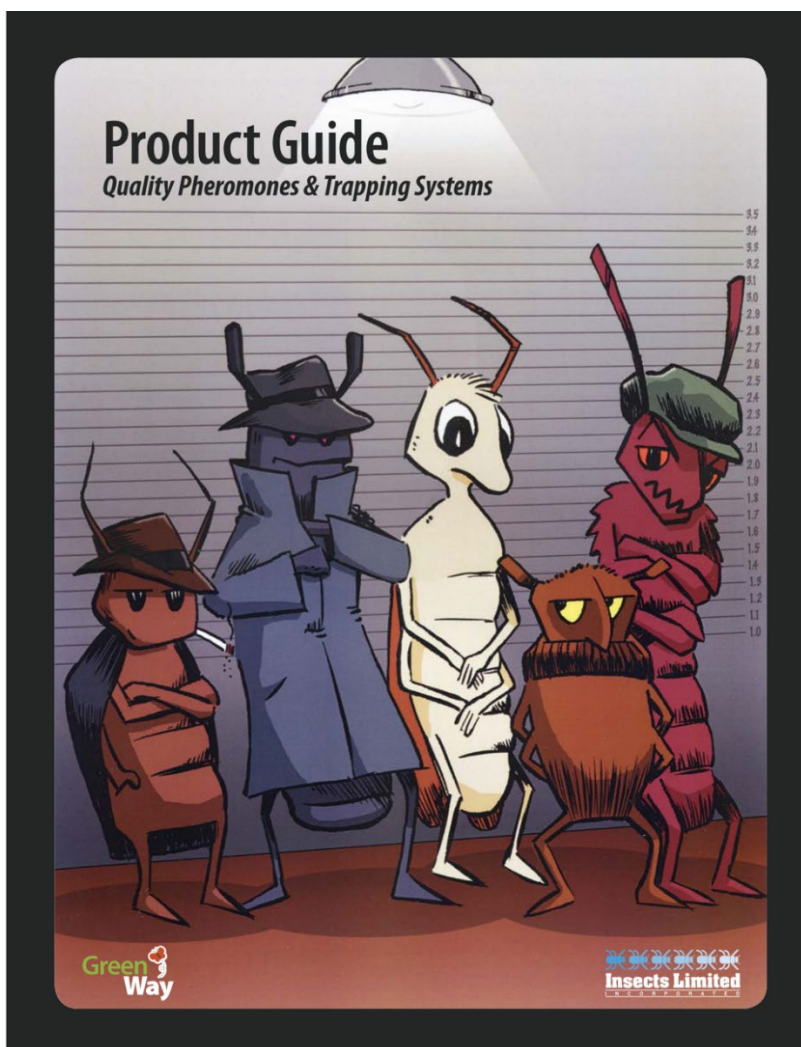
Fumigants & Pheromones

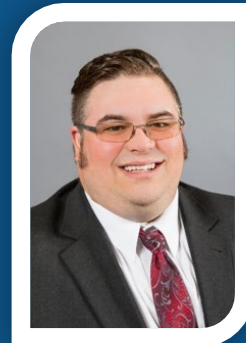
Insects Limited, Inc.

Insects Limited Releases New Product Guide

Insects Limited President, Pat Kelley, said, "We are excited to bring out this new catalog that showcases some of the new and innovative products that we have recently released along with outlining our full line of pheromones and trapping systems for a wide variety of stored product pests."

Insects Limited's newest product guide is a must-see. The 20-page full-color and fully illustrated booklet can be viewed as a hard copy, online at www.insectslimited.com, or as a [PDF](#).





Steve Granzow

Fumigation Service & Supply, Inc.

Is EDN a Viable Methyl Bromide Alternative?

Discovered in 1815 but not mass-produced until the late 19th century, EDN (Ethanedinitrile) is viewed by many as the next generation of Timber and Log fumigants. Based on its properties and efficacy, it is easy to see why.

EDN is a volatile, flammable chemical that is colorless, but not odorless nor is it ozone-depleting. This compound (C_2N_2) is a fast-acting broad-spectrum fumigant that can control pests, pathogens, nematodes, and weeds. EDN is a relatively small molecule with a low boiling point of $-21^{\circ}C$, which allows it to penetrate materials rapidly as well as remain in a gaseous state even in adverse conditions. Currently approved for timber and soil fumigation in Australia, and under review in many other countries, it has drawn a lot of interest as a viable Methyl Bromide (MBr) replacement here in the United States.



Waxed wood blocks ready for testing by USDA-APHIS

USDA APHIS has been testing this gas for function and efficacy for nearly 2 years, with great success against the Pine Wood Nematode (PWN). It has surpassed

expectations at various concentrations and temperatures as low as $5^{\circ}C$, within a 24-hour treatment window. Due to EDN's success at controlling the PWN so far, APHIS has moved to test its efficacy down to a 4-hour treatment schedule using multiple test groups across various concentrations and temperatures (results pending). Although they have yet to test EDN against Oak Wilt, it is showing to be very effective in wet or dry timber thus far. It can not only penetrate along but also across the wood grain.

In countries where EDN is currently approved it is being used under a tarp, as well as in closed containers to control all life stages of Timber and Log infesting insects. The potential for use of EDN in the United States is very real and with its long list of benefits, it seems like a viable alternative to methyl bromide. The process for registering a new fumigant is long, arduous and expensive. Despite the challenge of gaining approval for use within the United States, the log export industry is pining for MB alternatives. This product has the potential to eliminate annual use restrictions, the need for heat exchanging vaporizers, long treatment times and difficult aeration scenarios. EDN, although difficult to contain in comparison to other fumigants, could change the log export industry through shorter successful treatment windows by offering a more environmentally friendly alternative.

For more information, contact the author (Steve Granzow, FSS Northern Illinois Regional Manager): s.granzow@fumigationzone.com

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Insects Limited, Inc.



Tom Mueller

PCO Gives Back



Pi Chi Omega

People join groups such as Pi Chi Omega because they want to be a part of something. They want to have a purpose. PCO Gives Back does just that, gives us a specific purpose. It was at the Purdue Pest Management Conference last year that Former Pi Chi Omega President, Dale Baker got passionate (passionate is an understatement. You will have to meet him to find out what I mean) about creating a committee within our fraternity to create opportunities for our group to give back to the industry and back to the community. This was the start of PCO Gives Back. Committee members include Committee Chair: Tom Mueller (Insects Limited, Inc.), and Committee Members: Dale Baker (JT Eaton), Aaron Ashbrook (Purdue University), and Glen Ramsey (Rollins).

The committee has decided on two different projects that coincide with the organization's mission "*To connect and enrich the urban pest management community.*"

The first idea is called The Junior Entomologist. Pi Chi Omega will be collecting as well as creating premade PowerPoints available to fraternity members for download and use out in the community, presenting to elementary-aged children about insects and career potential in the pest control industry. The purpose is to enlighten children who may not end up going to college but seek a career in a skilled trade such as pest control.

The second idea the committee created has two parts. Both will utilize a forum such as Facebook to satisfy two needs of the industry. The first comes from members of the academic community. There is always a need for the collection of specimens from the field while performing research. Needs can be posted within this forum. People with access to these field specimens can connect with the member from academia and get them the specimens. The other is a need from the industry seeking technical help which can be satisfied by academics, entomologists, and technical directors. All who are members of Pi Chi Omega. This forum will have a vast range of experience to help bring solutions to these problems together in one place.

Further development of these ideas is currently underway, and we are always open to anyone who can contribute in these areas.