



# **Bio-Repellent Scientific Industries**

**The Ultimate Pest Control Solutions**

**Battle-Tested Worldwide | 100% Non-Toxic Ingredients | EPA-Registered Products**

# Green Technology Merges With Pest Control



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**“I’m an expert on green technology.  
I’m made from 100% organic material,  
I’m completely biodegradable, and I’ve  
been recycled into a second marriage.”**

# Bio-Repellent Scientific Industries



- **Richard Numata**: Founder, President & CEO of PiGNX Inc. dba Bio-Repellent Scientific Industries – **California-Certified Pest Control Instructor**
- **Steven Nakamoto**: Independent Business Advisor
- **Chris Acosta**: Pest Control Professional – 30 years experience
  
- Send technical questions to Richard Numata at: [richardnumata@gmail.com](mailto:richardnumata@gmail.com)

# Important Disclaimer



- This presentation is for general educational purposes.
- This is **not** a replacement formal instructions.
- Proper caution and detailed instructions are required for safe & effective application.
- At this time, only Richard Numata is certified and authorized to make statements regarding formal training, product details, performance history, and company policies.
- This presentation is copywritten by Bio-Repellent Scientific Industries and is for private use only.

# Revolutionary Industry-Disruptive Products



“**DeTour Gel** and **PiGNX** can revolutionize the entire pest control industry by creating a new technology that effectively solves a massive worldwide problem without any negative environmental side-effects.”

Richard Numata

# Introductory Video



**Introducing DeTour Gel Video:**

<https://youtu.be/y1h1tdj9xGo>

# PIGNX<sup>®</sup>



The **Only** EPA-Registered & NSF-Certified Bio-Repellent Gel for Birds



# EPA-REGISTRATION #84418-1



- The EPA is recognized worldwide for its high standards for product quality, effectiveness, and safety.
- EPA Storage & Stability Tests show that the active ingredient (capsaicin) in **PiGNX** becomes stronger with age in its patented mineral oil gel.



# U.S.-PATENTED DELIVERY SYSTEM



- **PiGNX** is made from a state-of-the-art, non-toxic, thickened food-grade mineral oil. (**U.S.-Patented** Gel Formula)
- **PiGNX** will not melt, drip or freeze.
- **PiGNX** on a person's skin cleans up easily with soap and water or common handwipes.

# NSF-CERTIFICATION #147505



**National Sanitation Foundation**  
**Certified Products**

- **NSF** has a **high level** of governmental & regulatory acceptance worldwide.
- **PiGNX** is **NSF-Certified** for use in sensitive areas such as supermarkets, hospitals, restaurants, food preparation, food storage areas, and convenience stores.
- **PiGNX** is **non-toxic** to birds, animals, humans and the environment.

# Capsaicin Drives Pests Crazy!



- **Capsaicin** stimulates the neural sensors in the tongue and skin of problem birds and animals.
- In ways that aren't completely understood, **capsaicin** stimulates both the temperature and pain receptors in a pest.
- It simultaneously tells the brain that the subject is experiencing an increase in temperature as well as a sharp rise in pain. (irritating tingling sensation)
- **PiGNX** uses only organic, pharmaceutical-grade **capsaicin** – a key requirement for EPA-Approval

# How Do PiGNX & DeTour Gel Work?



- Birds and mammals are sensitive to both heat (fire) and pain (tingling sensations).
- Many experts believe that the exposure to **capsaicin** confuses the animal and makes them feel like they are being exposed to a fire.
- The animal's flight response tells it to run away from the area, seeking the safest & quickest route possible.
- Animals “escape from the burning building.”
- Birds simply “fly away from the burning building.”

# PiGNX Application Video



**PiGNX Application Video:**

<https://tinyurl.com/y99usk43>

# Simple Application Equipment



- **PiGNX** can be purchased in either 10-ounce tubes or 5-Gallon Buckets.
- Application equipment for tubes is a standard caulking gun.
- Wear gloves, goggles & protective clothing



# Also Available in 5-Gallon Buckets



# DeTour Gel Barrier Sealant





# Experts Know That **DeTour Gel** Works!



**Expert Chris Acosta on DeTour Gel & PiGNX:**

<https://tinyurl.com/ycw9bzab>

# Rodents Spread **DeTour Gel** To Hidden Areas



- **DeTour Gel** is the first rodent control product that uses the rodent itself as part of the delivery system, carrying the product back to hidden nesting and harborage sites.
- Thus, **DeTour Gel** can access areas that other methods simply cannot reach.
- A single rodent can affect several other rodents at the same time and cause them all to escape an area quickly in mass numbers.

# Use **DeTour Gel** + Trapping Equipment



- Rodents “escape from the burning building”
- They follow their normal urine and odor trails.  
(Remember the Nursery Rhyme: Three Blind Mice)
- Set trap equipment before applying **DeTour Gel**
  - Place traps and glue boards along the normal escape routes
  - Get immediate reactions from exposed rodents
- After **DeTour Gel** is applied
  - Trap counts typically increase in numbers.
  - Work the building “inside out.”
  - Treat entry points last.

# DeTour Gel Makes Traps More Effective!



- Our experience has been that rodents do not normally run around wildly about a building after being exposed to **DeTour Gel**.
- Rodents do show “stressed out” behavior as well as “flight response.”
- As previously mentioned, they use their normal routes but have lost their normal trap-shy tendencies
- Thus, with **DeTour Gel** rodents become more vulnerable to traps in the process.

# DeTour Gel Barrier Sealant Details



- **DeTour Gel Barrier Sealant** is the identical formula as our EPA-Registered **PiGNX Bio-Repellent Bird Gel** and **DeTour Gel for Rats** (Pending EPA Approval)
- **Detour Gel Barrier Sealant** makes no specific pesticidal claims. It only claims to be a barrier sealant.
- **DeTour Gel Barrier Sealant** has been shown to effectively “seal out” common pests such as rats, mice, squirrels, ants, scorpions, raccoons, mongoose, snakes, cockroaches, bed bugs – as industry expert, Chris Acosta, says, “almost anything that walks or crawls!”

# New Products For 2019



- Later in 2019, we anticipate EPA-Approval for our new capsaicin-based version of the product titled: **DeTour Gel For Rats** (*the only EPA-registered & NSF-certified rat pesticide gel in the world*)
- Both **DeTour Gel Barrier Sealant** & **PiGNX Bio-Repellent Bird Gel** are available in “**Ready-to-Use**” clear plastic dishes – for added convenience.
- These plastic dishes come **pre-filled** with our patented gel formula. All you have to do is remove the dish lid, apply **common silicone adhesive (or duct tape)** and place the gel dishes in targeted areas.

# DeTour Gel Cockroach Dishes Hawaii/Japan



# How is DeTour Gel Applied?



- **Interior** – Apply **DeTour Gel Barrier Sealant** to any areas where rodent droppings are found or where rodents are currently active.
  - Rubs, runways, food sources, pipe chases, wall voids, holes, ceilings or any areas where rodents may come in contact with the product.
- **Exterior** – **DeTour Gel Barrier Sealant** may be used to **replace rodent baits** in bait stations along the exterior of buildings.
  - It may also be used as a barrier placed in contact with the structure.
  - Use a bead of **DeTour Gel Barrier Sealant** to prevent rodent entry at any potential entry point.



# Chris Acosta On Restaurant Applications



**Restaurant/Food Service Application for  
Rodents & Cockroaches:**

<https://tinyurl.com/y8gup6c6>

# Where You Can Apply **DeTour Gel**



- Kitchens
- Food storage areas
- Behind fixtures
- Along pipes & air ducts
- Underneath or Behind Cabinets
- Ceilings
- Attic Spaces
- Behind Kitchen Equipment
- Under Kitchen Equipment
- Inside voids/chases in walls, floors or ceilings
- Areas where you see feces, urine trails and rub marks
- Under Grocery Store Gondolas
- Create rodent “Exclusion Zones”
- Move Rodents to “Kill Zone”
- Move Rodents Out of Building
- Inject directly into wall voids
- Around the base of trees
- Rodent Burrows
- Exterior perimeter
- Potential entry points
- In areas where rodents travel
- Use **DeTour Gel** to cut off rodents from their food source

# More Application Ideas



- Inside a bait station
- Inside PVC pipe
- Inside downspout sections
- On mylar or plastic tape
- On plastic sheeting
- On petri dishes or soft drink lids

# Application Warning



**PiGNX & DeTour Gel** will not poison a person, but can cause irritation to the skin and eyes. Caution must be taken to keep the product away from the skin, hands & eyes of both the applicator and clients. Wear gloves, goggles and protective clothing. **Keep out of reach of children!**



# Important Clean-Up Details



- **PiGNX Bio-Repellent Bird Gel & DeTour Gel Barrier Sealant** can be easily removed and cleaned from treated surfaces if necessary.
- **PiGNX Bio-Repellent Bird Gel & DeTour Gel Barrier Sealant** cleans up with **soap and water**.
  - First remove the bulk of the product with a putty knife and clean the residue with the soap and water.
- Tools can be easily cleaned after application.

# Other Pest Control Problems Solved!



## What Professionals

- Sparrows
- Starlings
- Swallows
- Woodpeckers
- Squirrels
- Gophers
- Ground Squirrels

## Use DeTour Gel For

- Bats
- Scorpions
- Ants
- Cockroaches
- Wild Hogs
- Skunks
- Meadow Voles

# Global Warming & Global Contamination



While “**global warming**” has drawn massive attention as the major environmental issue of our time, “**global contamination & 2<sup>nd</sup> generation poisoning**” may soon be recognized as its equal in the years ahead.”

Richard Numata

# VIDEO LINKS



- **Introducing DeTour Gel**

<https://youtu.be/y1h1tdj9xGo>

- **PiGNX Bio-Repellent Bird Gel Applications**

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- **Expert Chris Acosta on DeTour Gel & PiGNX**

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- **Restaurant Application - Rodents & Cockroaches**

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