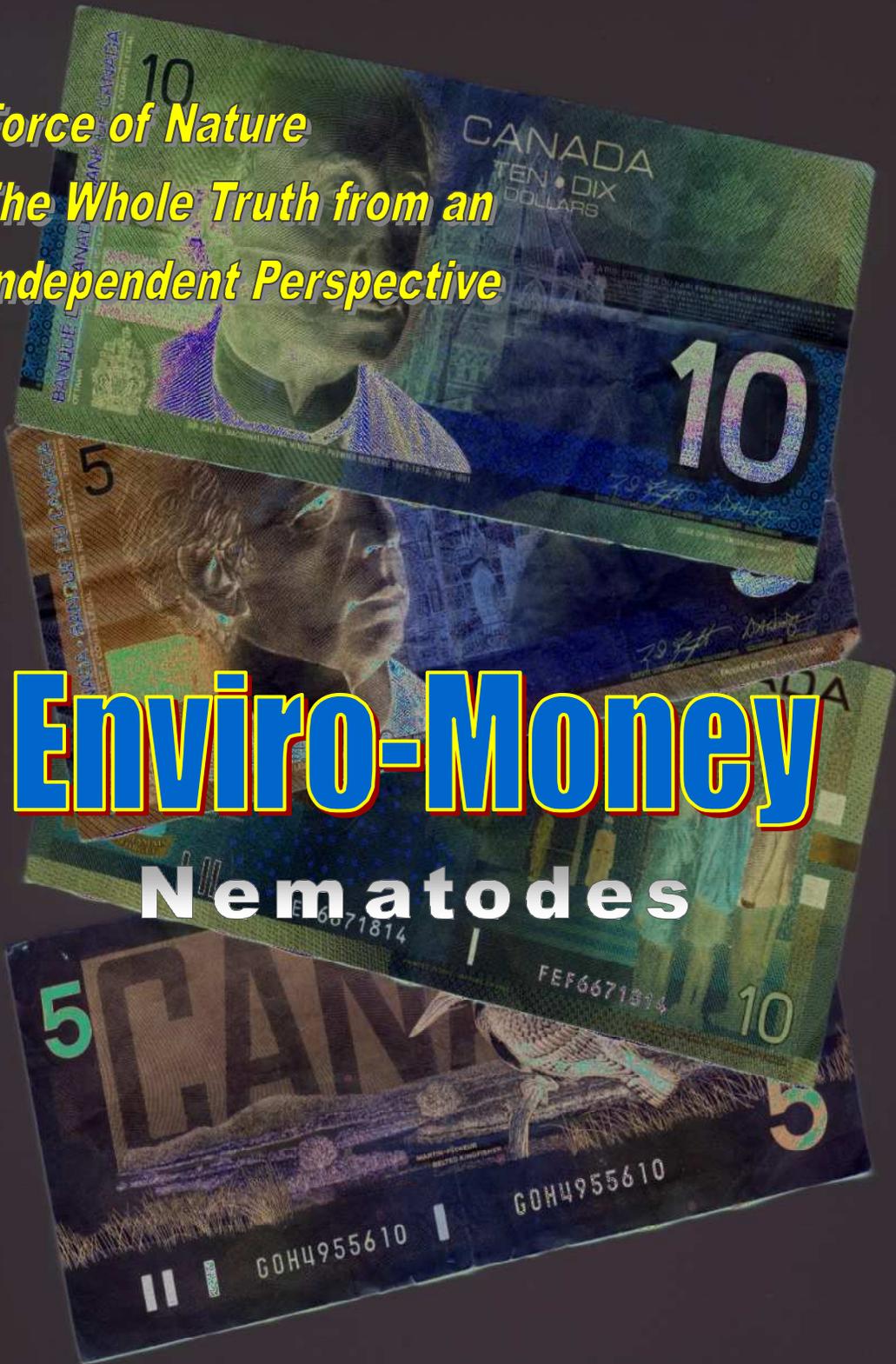


Force of Nature
The Whole Truth from an
Independent Perspective

Enviro-Money

Nematodes



Enviro Nematodes Money

19/10/2009



We can make tons of money
because NEMATODE products
ARE NOT federally registered !
(WHY NOT ?!?!?!?!?)

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**IMAGINE
DOUBLING BUSINESS
IN THE MIDDLE OF
THE RECESSION.**

October 19th, 2009

Melissa Mancini

Durham Region News

Now imagine **400 per cent** business growth in **six months**, during a period in which many other businesses are struggling, major corporations are dealing with bankruptcy protection and unemployment has increased.

But for **Lorelei Hepburn**, owner of **AJAX**-based business [in Ontario] the **ENVIRONMENTAL FACTOR**, a **400 per cent** increase in manufacturing and sales has been a reality. The demand for her pesticide-free lawn care products has been so high the company has recently had to move to **AJAX** from **OSHAWA** into a facility that could accommodate more manufacturing lines.

" You should have seen us at the other place, " she said. " When we expanded the production lines (at the old office) we had to move the offices upstairs where there was no heat or air conditioning."

It may sound like a fairy tale but even though it's been a fantastic year it hasn't been an overnight success story for Ms. **Hepburn**.

She was green before it was chic. In **1994**, Ms. **Hepburn** was an environmental consultant. She did energy audits, lawn care and ran a small retail store where she sold earth-friendly products in Whitby.

" It bombed," she said.

Gas and electricity were cheap at the time. People didn't care about being environmental to save on utilities because the bills were already low, she said.

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19/10/2009

But since then there have been a lot of changes in the collective environmental consciousness. Warnings about global warming have made headlines world-wide. Locally there have been changes to recycling programs to include green bins for food waste. Waste diversion, incineration, and pesticide bans have been at the top of local and regional council agendas.

When municipalities started banning pesticides, demand for the *ENVIRONMENTAL FACTOR*'s corn gluten-based weed inhibitors and *NEMATODE* products.

Ms. **Hepburn** calls *NEMATODES* " *microscopic worms with attitude.*" *ENVIRONMENTAL FACTOR* sells small balls full of the teeny-tiny creatures that will rid lawns of *JUNE BEETLES*, *EUROPEAN CHAFER* and *JAPANESE BEETLES*. There are countless *NEMATODES* in each biodegradable ball; a million can fit on the tip of a finger.

The worms do their job, then die, so they don't mess up any lawn ecosystems after killing the grubs, Ms. **Hepburn** said.

ENVIRONMENTAL FACTOR's products are sold in large retail chains like *CANADIAN TIRE*. The company also produces products to be sold under private labels.

Growth hasn't just been in product sales. Ms. **Hepburn** also sells franchises, of which there are **15** in Canada.

Most are in *ONTARIO* but there are also owners located in *KELOWNA*, **B.C.** and *MONCTON, NEW BRUNSWICK*.

Sean Procnier recently bought the *EAST DURHAM* franchise.

Even at a time when the service industry has taken a hit with people looking to do for themselves instead of hiring someone, Mr. **Procnier** has almost doubled business since he took the franchise over in **April**.

Residents are really interested in what Mr. **Procnier** is putting on the grass of their neighbour's lawns.

People will see his truck and stop him to ask what products he uses.

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19/10/2009

" With the pesticide ban more people are asking : ' What can we use ' ? " he said. " More and more people see the truck and they are stopping me to ask questions."

When Mr. **Procunier** decided he wanted to run his own business he was immediately drawn to buying a green lawn care franchise. The *ENVIRONMENTAL FACTOR* was his final decision because he could access head office easily since he lives in *OSHAWA*. He also liked that they made what they sold.

" One of the reasons I chose it (Environmental Factor) over other franchises was because their product line is proprietary, they manufacture their own products," he said.

He is expecting the next lawn care season to be even more successful.

" My goal is to double business again," he said.



AJAX — Lorelei Hepburn, founder and president of Environmental Factor, held an armful of her company's latest product, Nema Globe, on Oct. 9. The Ajax company produces non-pesticide lawn-care products and uses biodegradable packaging for Nema Globe, nematodes in a potato-starch ball.

Background Information from an Independent Perspective.
Adapted Excerpts from TURF & Recreation Magazine.

Entomo-Pathogenic Nematodes.

Description of entomo-pathogenic nematodes.

NEMATODES (also called ENTOMO-PATHOGENIC or BENEFICIAL NEMATODES) are microscopic roundworms, or tiny worm-like parasites that lack any appendages. They are found in products that are classified by the government as BIO-PESTICIDES since they contain living organisms.

This type of product acts as a BIOLOGICAL turf insecticide that, INCREDIBLY, is NOT yet federally registered as a pest control product in Canada.

The term « ENTOMO-PATHOGENIC » comes from two Greek words — ENTOMON which means INSECT, and PATHOGENIC meaning CAUSING DISEASE.

Canadian regulatory management of entomo-pathogenic nematodes.

In Canada, pest control products, or pesticides, are federally regulated and registered by HEALTH CANADA under the PEST CONTROL PRODUCTS ACT, and are among the most stringently regulated substances in Canada. The PEST MANAGEMENT REGULATORY AGENCY (P.M.R.A.) is the branch of HEALTH CANADA that administers the Act on behalf of the MINISTER OF HEALTH. The primary objective of the P.M.R.A. is to prevent unacceptable risks to people and the environment from the use of pest control products.

Enviro Nematodes Money

19/10/2009

ENTOMO-PATHOGENIC NEMATODE products ARE NOT registered as pest control products in Canada. Consequently, there is no obligation on the part of the manufacturer to divulge a full range safety information such as human toxicity, which is the case with conventional pest control products. This information will eventually be required, not just concerning the NEMATODES themselves, but also for the SYMBIOTIC BACTERIA that they carry.

It is inevitable that this oversight will eventually create a public relations problem. It will not be taken for granted for very long that an organism that is defined as « *INFECTIVE* » will require the need for more safety information in order to justify its status as « *REDUCED RISK* ».

Additionally, this oversight appears to be in direct contravention of the federal definition of a « *PEST CONTROL PRODUCT* » (or « *PESTICIDE* »), as interpreted by Canada's own *PEST CONTROL PRODUCTS ACT*.

Here is the federal definition of a « *PEST CONTROL PRODUCT* ». (The underlined emphasis is our own.) –

"pest control product" means a product, an organism or a substance, including a product, an organism or a substance derived through biotechnology, that consists of its active ingredient, formulants and contaminants, and that is manufactured, represented, distributed or used as a means for directly or indirectly controlling, destroying, attracting or repelling a pest or for mitigating or preventing its injurious, noxious or troublesome effects;

Current regulatory policy concerning nematodes.

According to the *PEST MANAGEMENT REGULATORY AGENCY* of *HEALTH CANADA (P.M.R.A.)*, in a meeting held **May 22nd and 23rd, 2008**, with a document entitled « *PEST MANAGEMENT ADVISORY COUNCIL (PMAC) – MEETING REPORT* », in a segment called « *OVERVIEW OF SOME CURRENT PMRA POLICY DEVELOPMENT PROJECTS* ». Here are excerpts from that report. –

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19/10/2009

This overview was intended to prompt Council members in providing advice on areas where they consider there may be a need for PMRA to either develop new policies or review existing ones. [...]

To a concern expressed on the process to register biopesticides, PMRA pointed out that Canada and the US have harmonized their requirements, and reminded stakeholders that PMRA can work with a US package for assessment, although Europe is different. [...]

More explanations on regulatory policies are found in the following excerpts from the **2002** book *ENTOMOPATHOGENIC NEMATOLOGY*. —

Commercial development of entomopathogenic nematodes in the USA in the early 1980s was aided by an exemption from registration [...]

Canada followed adopted a similar approach a few years later. [...]

Little was known about the risks associated with the introduction of entomopathogenic nematodes and concerns eventually arose about the considerable exchange of nematode germplasm occurring between laboratories. [...]

The issues for entomopathogenic nematodes [...] sparked a rethinking of the mechanisms by which the USA should regulate exotic natural enemies of pests. [...]

In the USA, there are now complex regulatory procedures and safeguards in place for the introduction of exotic nematodes. [...]

Enviro Nematodes Money

19/10/2009

Canadian manufacturers' position regarding bio-pesticides.

In **April 2009**, *CROPLIFE CANADA* issued a public letter to the Ontario Ministry of the Environment.

CROPLIFE is the trade association representing the manufacturers, developers and distributors of plant science innovations — pest control products and plant biotechnology — for use in agriculture, urban, and public health settings.



Here are excerpts from the letter. —

The description used in Class 11, “certain bio-pesticides and naturally derived pesticides” does not constitute scientific criteria. There is no scientific merit for the differentiation between naturally derived and synthetic products.

This type of arbitrary designation perpetuates the misconception that ‘natural’ automatically means ‘safe’.

We know of numerous examples of substances that are naturally occurring — such as arsenic, lead, and nicotine — that would clearly not be appropriate for this class. The active ingredients listed here certainly do not encompass the full range of innovative, low-risk products that have been made available by members of CropLife Canada. CropLife Canada requests that the Ministry provide its rationale for the definition of Class 11. [...]

We would suggest that the Province of Ontario consider the Health Canada model, which bases all pesticide assessments on science and the inherent properties of all products — both natural and synthetic — as part of the risk assessment. [...]

The ENTOMO-PATHOGENIC NEMATODE INDUSTRY must IMMEDIATELY address SIXTEEN critical issues !

FORCE OF NATURE has concluded that, in order to guarantee that nematode products continue to remain available, the ENTOMO-PATHOGENIC NEMATODE INDUSTRY in Canada must IMMEDIATELY address the following SIXTEEN critical issues :

- 1. COMPOSITION.** The Entomo-Pathogenic Nematode Industry must divulge the FULL CONTENTS and COMPOSITION of ALL nematode products.
- 2. AVOID TRADE SECRETS.** The Entomo-Pathogenic Nematode Industry must avoid the practice of protecting « *TRADE SECRETS* » pertaining to all nematode products.
- 3. SAFETY.** The Entomo-Pathogenic Nematode Industry must publicly explain why it deems nematodes as « *MINIMUM-RISK* » or « *REDUCED-RISK* », or safer, when compared to conventional pest control products.
- 4. INSECTICIDE.** The Entomo-Pathogenic Nematode Industry must clearly indicate in its ADVERTISEMENTS that nematodes are « *INSECTICIDES* », and are inherently no different than conventional pest control products.
- 5. CHILDREN.** The Entomo-Pathogenic Nematode Industry must divulge a full range of information regarding all potential hazards of nematode products specific to CHILDREN.
- 6. TOXICITY.** The Entomo-Pathogenic Nematode Industry must divulge a full range of information regarding HUMAN TOXICITY (short-term, chronic, irritation, sensitization, developmental, mutagenic, and teratogenic), as is the case with conventional pest control products registered under the federal PEST CONTROL PRODUCTS ACT.
- 7. ENVIRONMENT.** The Entomo-Pathogenic Nematode Industry must divulge a full range of information regarding ENVIRONMENTAL IMPACTS (eco-toxic fate and degradation), as is the case with conventional pest control products under the PEST CONTROL PRODUCTS ACT.
- 8. RE-ENTRY PERIODS.** The Entomo-Pathogenic Nematode Industry must divulge a full range of information regarding SAFE RE-ENTRY after application, as is the case with conventional pest control products.
- 9. SANCTIONED TESTING.** The Entomo-Pathogenic Nematode Industry must have ALL safety data generated by GOOD LABORATORY PRACTICE (GLP) qualified laboratories, as is the case with conventional pest control products registered under Canada's own PEST CONTROL PRODUCTS ACT.
- 10. FEDERAL DEFINITION.** The Entomo-Pathogenic Nematode Industry must clearly indicate on its labels that the nematodes in its products are defined as « *PEST CONTROL PRODUCTS* » (or « *PESTICIDES* »), as interpreted by Canada's own PEST CONTROL PRODUCTS ACT.
- 11. FEDERAL REGISTRATION.** The Entomo-Pathogenic Nematode Industry must seek to FEDERALLY REGISTER all nematode products under Canada's own PEST CONTROL PRODUCTS ACT.
- 12. INFECTIVE & BACTERIA.** The Entomo-Pathogenic Nematode Industry must clearly indicate on its product labels that nematodes are « *INFECTIVE ORGANISMS* », and carriers of « *SYMBIOTIC BACTERIA* ».
- 13. RIGHT-TO-KNOW.** The Entomo-Pathogenic Nematode Industry must develop a fully transparent and publicly accessible database for right-to-know information concerning its products, including MATERIAL SAFETY DATA SHEETS, as is the case with conventional pest control products.
- 14. FULL RELEASE OF SAFETY INFORMATION.** The Entomo-Pathogenic Nematode Industry must divulge safety information not just concerning the NEMATODES themselves, but also with regards to the SYMBIOTIC BACTERIA that they carry, and any other ingredients such as potato-starch packaging.
- 15. NON-TARGET ORGANISMS.** The Entomo-Pathogenic Nematode Industry must conduct research performed in Canada regarding the impact of using nematode products on HOUSEHOLD PETS, BIRDS, and BENEFICIAL INSECTS, as is the case with conventional pest control products.
- 16. EFFICACY.** The Entomo-Pathogenic Nematode Industry must publish research performed in Canada regarding the efficacy, or insecticidal performance, of all nematode products concerning the EXPECTED PER CENT SUPPRESSION of insects that damage turfgrasses.

EnviroManiacs Money

19/10/2009

Force of Nature was launched for continuous transmission on the Internet on January 1st, 2009. It is a series of e-newsletters destined for the GREEN SPACE INDUSTRY, the ENVIRONMENTAL TERROR MOVEMENT, politicians, municipalities, and the media, nation-wide across Canada, and parts of the United States and overseas. FORCE OF NATURE is produced in two parts. First. The MEDIA REPORT itself that reports on the current events affecting the future of the GREEN SPACE INDUSTRY. Second. INDEPENDENT PERSPECTIVE, which is a running commentary, sometimes technical in nature. Force of Nature is the WHOLE TRUTH from an INDEPENDENT PERSPECTIVE!

FORCE OF NATURE is the brainchild of William H. Gathercole and his entourage. Norah G is actually an acronym for the stable of writers that contribute to this e-newsletter and have now replaced Mr. Gathercole. The opinions expressed in Force of Nature, even though from an INDEPENDENT PERSPECTIVE, may not reflect those of everyone in the GREEN SPACE INDUSTRY, or Mr. Gathercole's many associates. Be warned! Mr. Gathercole and Norah G may sometimes be very irreverent and fearless with these e-newsletters. DON'T THANK US. IT'S A PUBLIC SERVICE. AND WE ARE GLAD TO DO IT.

William H. Gathercole holds a degree in Horticulture from the UNIVERSITY OF GUELPH, and another pure and applied science degree from MCGILL UNIVERSITY. He has worked in virtually all aspects of the GREEN SPACE INDUSTRY, including public affairs, personal safety, and environmental issues. Mr. Gathercole has been a consultant and instructor for decades. He has also been an agricultural agronomist. Mr. Gathercole has followed the evolution of ENVIRONMENTAL TERRORISM for over a quarter-century. His involvement in environmental issues reached a fevered pitch in the 1990s, when he orchestrated, with others, legal action against unethical and excessive municipal regulations restricting the use of pest control products. (i.e. the Town of Hudson.) Although he can be accused of being ANTI-ENVIRONMENT-MOVEMENT, he is, in fact, simply a strong advocate FOR the GREEN SPACE INDUSTRY, from an INDEPENDENT PERSPECTIVE. However, this position has not precluded him from criticizing the Green Space Industry itself. Nonetheless, his vast knowledge of our long journey with environmental issues is UNDENIABLE. (Hopefully!) For many years, Mr. Gathercole has been a contributing columnist for TURF & RECREATION Magazine, Canada's Turf and Grounds Maintenance Authority.

All document excerpts and pictures contained in FORCE OF NATURE were found somewhere on the Internet. We believe that they are in the public domain, serving one of the following purposes: archive, education, promotion, publicity, or press release.

We believe that ENVIRONMENTAL TERRORISM can be BEATEN! Information presented in FORCE OF NATURE has been developed for the education and entertainment of the reader. The events, characters, companies, and organizations, depicted in this document are not always fictitious. Any similarity to actual persons, living or dead, may not be coincidental. The mission of Force of Nature is as a National Organization Responding Against Hype that harm the Green Space Industry with statements and activities seeking to prohibit FEDERALLY LEGAL, SCIENTIFICALLY SAFE, and TOTALLY IRREPLACEABLE conventional pest control products. Culprits are identified on the basis of their statements, activities, affiliations, and whereabouts. Even though each culprit is a mis-guided adversary, each still deserves our respect. The terms culprit of terrorist are not an accusation of any legal wrong-doing. Force of Nature is simply holding culprits accountable for conspiring to change public policies that TERRORIZE and THREATEN the Green Space Industry. Force of Nature believes that the prohibitionist policies of the ENVIRONMENTAL TERROR MOVEMENT will lead to UNEMPLOYMENT, BANKRUPTCY, BUSINESS FAILURE, DESPAIR, and DESTITUTION. The actions of culprits in the movement is viewed as a form of TERROR against the Green Space Industry.

The following titles are currently available. (Or, will be available in the near future.) • Alberta Prohibition • British Columbia Prohibition • Canadian Association of Physicians for the Environment • Canadian Environmental Law Association • Consequences • David Suzuki Foundation • DDT and Politicized Science • Enviro-Money • Death and the Environmental Movement • Environmental Terrorists Unmasked • Golf and Landscape Trade Industries • June Irwin, The Clown of Junk Science • Kazimiera Jean Cottam • Kelowna BC Prohibition • New Brunswick Prohibition • Nova Scotia Prohibition • Ontario Prohibition • Organic Fertilizers • Pets and Lawn Care Chemicals • Prince Edward Island Prohibition • Quebec Prohibition • Rachel Carson, The Queen of Junk Science • Randy Hillier, The Next Premier of Ontario • Salmon Arm BC Prohibition • The 9/11 Era of the Green Space Industry • The Failure of Integrated Pest Management • The Industry Strikes Back • The Misconceptions About Cancer • The Wisdom of Drysdale • The Wisdom of Holland • The Wisdom of Mains • The Wisdom of the Solomons • Wisconsin Fertilizer Prohibition • ASK FOR A COPY OF ANY BACK ISSUE OF FORCE OF NATURE TODAY. READ ALL ABOUT ENVIRO-MANIACS AND THEIR ENVIRONMENTAL TERROR ORGANIZATIONS IN FORCE OF NATURE! THE WHOLE TRUTH FROM AN INDEPENDENT PERSPECTIVE!

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