

**Force_{of}
Nature**



Myth-Busting

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Bee Colony Collapse Disorder

A Response to the Continuing Conspiracy to Harm the Green Space Industry with Myths, Deceptions, Fear-Mongering, Fraudulent Lies, Threats, Misconceptions, Coercion, Terror, and Paranoid Conspiracies

NO DATA demonstrating
Bee Colony Collapse Disorder

December 16th, 2010

United States Environmental Protection Agency

Selected and adapted excerpts

Discovering a problem

During the winter of 2006–2007, some beekeepers began to report UNUSUALLY HIGH LOSSES of 30–90 per cent of their hives.

As many as 50 per cent of all affected colonies demonstrated symptoms inconsistent with any known causes of honeybee death — sudden loss of a colony's worker bee population with very few dead bees found near the colony.

The queen and brood (young) remained, and the colonies had relatively abundant honey and pollen reserves.

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But hives cannot sustain themselves without worker bees and would eventually die.

This combination of events resulting in the loss of a bee colony has been called Bee Colony Collapse Disorder (BCCD).

Though agricultural records from more than a century ago note occasional bee « *disappearances* » and « *dwindling* » colonies in some years, it is uncertain whether the colonies had the same combination of factors associated with Bee Colony Collapse Disorder.

What we do know from the most recent data from beekeepers for 2009 is that that Bee Colony Collapse Disorder appears to still be with us.

Dead bees don't necessarily mean Bee Colony Collapse Disorder

Certain pesticides are harmful to bees.

That's why we require instructions for protecting bees on the labels of pesticides that are known to be particularly harmful to bees.

This is one of many reasons why everyone must read and follow pesticide label instructions.

When most or all of the bees in a hive are killed by over-exposure to a pesticide, we call that a BEE KILL INCIDENT resulting from acute pesticide poisoning.

But Acute Pesticide Poisoning of a hive is VERY DIFFERENT from Bee Colony Collapse Disorder, and IS ALMOST ALWAYS AVOIDABLE.

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Acute Pesticide Poisoning of a hive
is VERY DIFFERENT from
Bee Colony Collapse Disorder, and
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There have been several incidents of Acute Poisoning of honeybees covered in the popular media in recent years, but sometimes these incidents are MISTAKENLY ASSOCIATED with Bee Colony Collapse Disorder.

A common element of Acute Pesticide Poisoning of bees is, literally, A PILE OF DEAD BEES OUTSIDE THE HIVE ENTRANCE.

With Bee Colony Collapse Disorder, THERE ARE VERY FEW IF ANY DEAD BEES NEAR THE HIVE.

Piles of dead bees are an indication that the incident is NOT Bee Colony Collapse Disorder.

Indeed, HEAVILY DISEASED colonies can also exhibit LARGE NUMBERS OF DEAD BEES near the hive.

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A common element of
acute pesticide poisoning of bees is
A PILE OF DEAD BEES
OUTSIDE THE HIVE ENTRANCE

With Bee Colony Collapse Disorder,
THERE ARE VERY FEW, IF ANY,
DEAD BEES NEAR THE HIVE

Why it's happening ?

There have been many theories about the cause of Bee Colony Collapse Disorder, but the researchers who are leading the effort to find out why are now focused on these factors —

- Bee management stress
- Foraging habitat modification
- Inadequate forage / poor nutrition

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- Increased losses due to the invasive Varroa Mite (a pest of honeybees)
- new or emerging diseases such as Israeli Acute Paralysis Virus and the Gut Parasite Nosema
- Pesticide poisoning through exposure to pesticides applied to crops or for in-hive insect or mite control
- Potential immune-suppressing stress on bees caused by one or a combination of factors identified above

Additional factors may include —

- Drought
- Migratory stress brought about by the increased need to move bee colonies long distances to provide pollination services
- Poor nutrition

What is being done ?

The United States Department of Agriculture (USDA) is leading the federal government response to Bee Colony Collapse Disorder.

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In 2007, U.S. Department of Agriculture established a Bee Colony Collapse Disorder Steering Committee with representatives from other government agencies, and academia.

U.S. Environmental Protection Agency is an active participant in the Bee Colony Collapse Disorder Steering Committee.

The Steering Committee has developed the Colony Collapse Disorder Action Plan.

The plan has four main components —

- Survey / Data Collection to determine the extent of Bee Colony Collapse Disorder and the current status of honeybee colony production and health
- Analysis of Bee Samples to determine the prevalence of various pests and pathogens, bee immunity and stress, and exposure to pesticides
- Hypothesis-Driven Research on four candidate factors including new and reemerging pathogens, bee pests, environmental and nutritional stresses, and pesticides
- Mitigative / Preventive Measures to improve bee health and habitat and to counter mortality factors.

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The U.S. Environmental Protection Agency is aware of NO DATA demonstrating that an EPA-registered pesticide used according to the label instructions has caused Bee Colony Collapse Disorder

What U.S. Environmental Protection Agency is doing

Our role in the federal response to Bee Colony Collapse Disorder is to keep abreast of and help advance research investigating pesticide effects on pollinators.

To date, we're aware of NO DATA demonstrating that an EPA-registered pesticide used according to the label instructions has caused Bee Colony Collapse Disorder.

While our longstanding regulatory requirements for pesticides are designed to protect beneficial insects such as bees, since 2007 we have been looking at many different ways of possibly improving pollinator protection.

We must defend the industry, whatever the cost may be !

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Force Of Nature presents THE WHOLE TRUTH FROM AN INDEPENDENT PERSPECTIVE from National Organization Responding Against HUJE that seek to harm the Green Space Industry (NORAHG). It is a series of Reports destined for the Green Space Industry, the Environmental Terror Movement, Governments, and the Media, nationwide across Canada, the United States, and overseas. The information presented in Force Of Nature has been developed for the education and entertainment of the reader by providing a sequence of historical events WITH COMMENTARY. The neutrality of these Reports might be disputed. Don't thank us. It's a public service. And we are glad to do it.

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HUJE are identified on the basis of their statements, activities, affiliations, and whereabouts. Even though each Enviro Lunatic Culprit is a misguided adversary, each still deserves our respect. The use of the terms Lunatic, Maniac, Culprit, Terrorist, or Basterd are not accusations of any legal wrong doing. Force Of Nature is simply holding Enviro Lunatic Activists accountable for conspiring to change public policies that TERRORIZE, HARM, and THREATEN the Green Space Industry.

HUJE is a term used to describe Enviro Lunatic Activists that routinely concoct FEAR MONGERING, FRAUDULENT LIES, MISCONCEPTIONS, COERCION, THREATS, DECEPTIONS, TERROR, and PARANOID CONSPIRACIES that are DESIGNED to SCAM and DECEIVE the public into believing there is some IMAGINARY DANGER with conventional pest control products. HUJE also SCAM and DECEIVE Government Officials into the NEEDLESS, SENSELESS, and MALICIOUS CONSPIRACY to PROHIBIT conventional pest control products that are FEDERALLY LEGAL, SCIENTIFICALLY SAFE, TOTALLY IR-REPLACEABLE, and ABSOLUTELY INDISPENSABLE.

HUJE have created LOSS OF REVENUES, BUSINESS FAILURES, BANKRUPTCY, and UNEMPLOYMENT, inflicting DESPAIR and DESTITUTION for THOUSANDS of hapless victims throughout the Green Space Industry. The DEPRAVED INDIFFERENCE of Lunatic Culprit Terrorist Basterd HUJE is viewed as a form of TERROR, HARM, and THREAT against the Green Space Industry.

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This Report provides NO guarantee regarding accuracy or completeness. In no event shall Force Of Nature be liable for any incidental or consequential damages, lost profits, or any indirect damages. Force Of Nature is TOTALLY INDEPENDENT of any trade association or business operating within the Green Space Industry. The events, characters, companies, and organizations, depicted in this Report are not always fictitious. Any similarity to actual persons, living or dead, may not be coincidental. All information, excerpts, and pictures contained in this Report were found somewhere on the Internet, and may be considered in the public domain, serving one of the following purposes — archive, education, promotion, publicity, or press release.

Force Of Nature, and its various incarnations, is the brainchild of William H. Gathercole and his colleagues. Mr. Gathercole is a principal FOUNDER of the Modern Professional Lawn Care Industry in BOTH Ontario and Quebec. He 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 GOLF, PROFESSIONAL LAWN CARE, and CHEMICAL INDUSTRY, and has served in environmental compliance, government negotiations, public affairs, and workplace safety. Mr. Gathercole has supervised, consulted, programmed, and/or overseen the successful and safe execution of HUNDREDS OF THOUSANDS of pest control applications in the urban landscape. He has trained, instructed, and consulted with THOUSANDS of turf managers and technicians. Mr. Gathercole has also been an agricultural agronomist. For many years, Mr. Gathercole was a contributing columnist for TURF & Recreation Magazine, Canada's Turf and Grounds Maintenance Authority.

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Mr. Gathercole and his colleagues have followed the evolution of LUNATIC ENVIRONMENTAL TERRORISM for over a quarter century. For FIFTEEN YEARS, the strategies designed and implemented by Mr. Gathercole and his colleagues guaranteed the control of the VERMIN OF ENVIRONMENTAL TERROR for the entire Modern Green Space Industry across Canada. Their involvement in Environmental Issues reached a fevered pitch in the 1990s, when he orchestrated, with his colleagues, legal action against the Forces of Environmental Evil in the Town of Hudson, Quebec.

Today, Mr. Gathercole is the ONLY TRUE RELIABLE WITNESS of the Hudson Affair. Mr. Gathercole is personally credited for crafting the Golf Industry Exception Status that endures to this day. He is also the creator of the signs that are now used for posting after application. His vast knowledge of our long journey with Environmental Issues is UNDENIABLE — hopefully ! Mr. Gathercole is now retired, although his name continues to appear as FOUNDER of Force Of Nature.

H

THE LIBRARY OF REPORTS • A LOOK AT Technical Information for the Green Space Industry • Agriculture • Bee Colony Collapse Disorder • BOGUS Green Alternatives • BRITISH COLUMBIA Prohibition Terror Conspiracy • CALGARY (Alberta) Enviro Terror STOPPED • Canadian Association of Physicians for the Environment • Canadian Cancer Society • Canadian Environmental Law Association • CARNAGE caused by PROHIBITION TERRORISM • CONSEQUENCES of PROHIBITION TERRORISM • Cottam & Ghost Writers • Culprits Who Conspired to Prohibit • David Suzuki Foundation • Dating Services for Enviro Maniacs • DDT and Politicized Science • Environmental Terrorists UNMASKED • Enviro PROFIT Accumulated by Greedy & Avaricious Enviro Maniacs • Environmental Terror Organizations • Environmental Terror That NEVER Ends • Famous Quotations • FERTILIZER Enviro Terror • Global Warming • GOLF INDUSTRY Looming Shipwreck & Collision Course • Green Space Industry • Health Canada • HEROES Speaking Out Against Enviro Terror • History of the Environmental Terror Movement • June Irwin, the Clown of JUNK SCIENCE • Landscape Trades CAPITULATE • In VIOLATION of Federal Law • Lying Sacks of (Enviro Maniac) CWAP • Myth Busting • NATIONAL Prohibition Terror Conspiracy • Needless Hysteria • NEW BRUNSWICK Prohibition Terror Conspiracy • NOVA SCOTIA Prohibition Terror Conspiracy • ONTARIO Haven for Environmental Terror • Organic Fertilizers • Paranoid Theories • Paul Tukey, The Bin Laden of Environmental Terror • Pests and Disorders of Ornamental Plants • Pests and Disorders of Turfgrasses • Pesticide Free BC • Pesticide Q & A (Questions & Answers) • Positive Waves (The Green Space Industry Responds with Outstanding and Innovative Ideas) • PRINCE EDWARD ISLAND Prohibition Terror Conspiracy • QUEBEC Prohibition Terror Conspiracy • RACHEL CARSON, the Queen of JUNK SCIENCE • SASKATCHEWAN Prohibition Terror Infestation • Satire, Laughs & Insanity • TERROR Talk & Weasel Words • The 9/11 Era of Environmental Terror • THE AVENGERS • The FAILURE of Integrated Pest Management • The FAILURE of Pesticide Free Parks • The Industry STRIKES BACK Against Environmental Terror • The MISCONCEPTIONS About Cancer • The National Annihilation of the Modern Green Space Industry • The Wisdom of Bill Bell • The Wisdom of Drysdale • The Wisdom of Health Canada • The Wisdom of Hepworth • The Wisdom of Holland • The Wisdom of Lowes • The Wisdom of Mains • The Wisdom of Milloy • The Wisdom of the Solomons • The Wisdom of Whelan • TWISTED Precautionary Principle • Update • Using Children, Pets, & Death as WEAPONS OF ULTIMATE TERROR • U.S. Prohibition Terror Conspiracy • 2,4-D • Warning •

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The Whole Truth from an Independent Perspective

*Bee Colony Collapse Disorder
is a MYTH*

