#### **Pesticide Truths**

## There Is No Proof That Neonicotinoids Harm Honeybees When Used Properly – Dr Keith Ross Solomon Speaks The Truth – 2017 11 21

January 20, 2018WILLIAM H GATHERCOLE AND NORAH G



#### The Wisdom Of Dr Keith Ross Solomon

# There Is No Proof That Neonicotinoid Insecticides Harm Honeybee Colonies When They Are Used Properly

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November 21st, 2017

**CTV News Kitchener** 

Re: Research By Dr Keith Ross Solomon

**University Of Guelph, Province Of Ontario** 

**Selected And Adapted Excerpts** 

#### Please explore the following links ...

The Wisdom Of Solomon

http://pesticidetruths.com/toc/the-wisdom-of-the-solomons/

The Media Library Of Solomon

http://pesticidetruths.com/toc/solomon/

#### Scientists At The University Of Guelph Have Reported That There Are No Studies That Show That Neonicotinoid Insecticides Have Harmed Honeybee Colonies

While evidence mounts [?!?!] that Neonicotinoid Insecticides are contributing to the losses of honeybees, research from the University of Guelph suggests there is LITTLE EVIDENCE that they will impact bee populations at a colony level.

Scientists at the University of Guelph found that while three common insecticides produced by Bayer and Syngenta can harm individual honeybees, there is NO EVIDENCE linking them to the major losses seen in honeybee populations in recent years.

According to Dr Keith Ross Solomon, Emeritus Environmental Professor —

Use of these neonics under GOOD AGRICULTURAL PRACTICES DOES NOT PRESENT A RISK TO HONEYBEES at the level of the colony.

GOOD AGRICULTURAL PRACTICES include making sure seeds are coated and planted properly, to reduce the possible contamination of bees.

Neonicotinoid Insecticides are typically used by farmers to keep their crops free of insect pests.

Insecticides studied by scientists at the University of Guelph included THIAMETHOXAM, which is produced by Syngenta, and the Bayer-made CLOTHIANIDIN and IMIDACLOPRID.

The findings were based on 64 published papers and 170 unpublished studies and reports which were commissioned by the manufacturers of the insecticides.

Dr Solomon, and Adjunct Professor Gloria Stephenson, found that NONE OF THE STUDIES SHOWED THAT THE INSECTICIDES HAVE HARMED HONEYBEE COLONIES.

The research has been published in this month's edition of the Journal of Toxicology and Environmental Health-B.

In September 2017, a group of activist-scientists called on the Canadian government to NATIONALLY PROHIBIT the use of all Neonicotinoid Insecticides due to their supposed effect on honeybees.

#### The Wisdom Of Dr Keith Ross Solomon

#### Correctly-Used Neonicotinoid Insecticides Do Not Adversely Affect Honeybee Colonies

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November 21st, 2017

**EurekAlert** 

Re: Research By Dr Keith Ross Solomon

**University Of Guelph, Province Of Ontario** 

**Selected And Adapted Excerpts** 

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The Media Library Of Solomon

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### The Analysis By Scientists At The University Of Guelph Showed No Significant III Effects On Honeybee Colonies From The Three Common Neonicotinoid Insecticides

The three most widely-used Neonicotinoid Insecticides for flowering crops POSE NO RISK TO HONEYBEE COLONIES when used correctly as seed treatments, according to new studies by scientists at the University of Guelph.

Amid mounting [fake-news] controversy over use of Neonicotinoid Insecticides [a.k.a. neonics] and [supposed] declining bee population, an analysis by scientists at the University of Guelph of previously unpublished studies and reports was commissioned by agri-chemical companies Bayer and Syngenta— as well as published papers from the scientific literature.

The analysis by scientists at the University of Guelph showed NO SIGNIFICANT ILL EFFECTS ON HONEYBEE COLONIES from the three common Neonicotinoid Insecticides.

The findings are described in five papers published by Dr Keith Ross Solomon, a Toxicologist and Emeritus Professor with the School of Environmental Sciences and Adjunct Professor Gladys Stephenson in the Journal of Toxicology and Environmental Health-B.

The duo analyzed 170 unpublished studies that Syngenta and Bayer had submitted to regulatory agencies.

They also included 64 papers from the open, peer-reviewed literature on the topic.

Acknowledging that these three Neonicotinoid Insecticides can kill individual honeybees, and may also pose a threat to other pollinators, Dr Solomon said —

At least for honeybees, these products are NOT A MAJOR CONCERN.

Use of these neonics under good agricultural practices DOES NOT PRESENT A RISK TO HONEYBEES at the level of the colony.

The scientists at the University of Guelph were asked by Bayer and Syngenta to assess earlier studies conducted by or for the companies on impacts of insecticide-treated seeds on honeybees.

They conducted weight of evidence assessments, an approach developed specifically for these studies that is intended to gauge the quality of reported data and to compare relevance of results from different studies.

The companies wished to respond to controversy and inconclusive evidence about the potential harm posed to pollinators by Neonicotinoid Insecticides, said Solomon.

All insecticides in Canada must be registered with the Pest Management Regulatory Agency.

The study involved three insecticides — CLOTHIANIDIN and IMIDACLOPRID made by Bayer, and THIAMETHOXAM made by Syngenta — that are used in seed treatments for various field crops.

Solomon said the original papers varied in quality and scientific rigour, but their results generally showed NO ADVERSE EFFECTS of insecticides on honeybee hives.

According to Dr Solomon —

Many studies look at effects of insecticides on individual bees.

What regulations try to protect is the colony — the reproductive unit.

Dr Solomon said other scientists might use their results to improve studies of insecticide exposure in hives.

The scientists at the University of Guelph stressed the importance of *«good agricultural practices »* including ensuring that seeds are coated and planted properly to avoid airborne contamination of bees during field seeding.

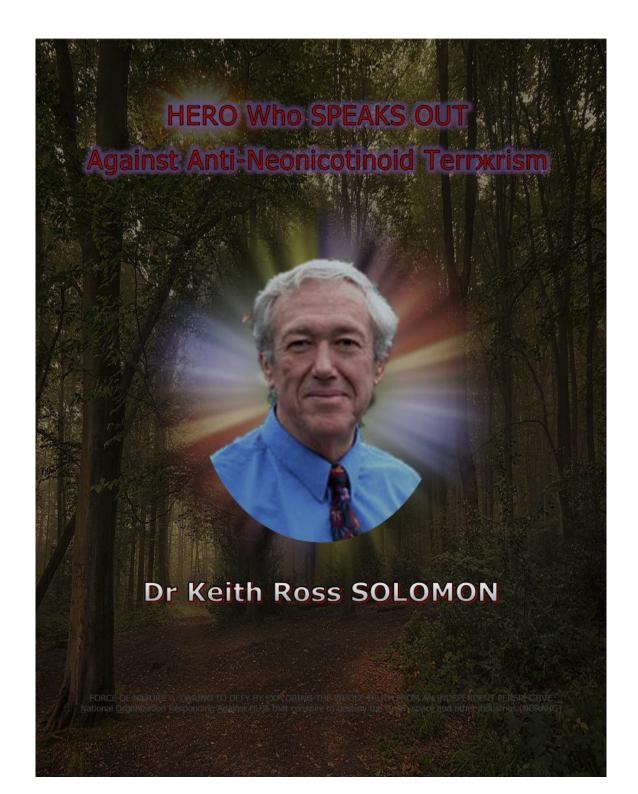
Dr Solomon said their results do NOT necessarily apply to other insects that also serve as crop pollinators and that have shown population declines.

For those pollinators, Dr Solomon said —

There are too few studies at the colony or field level to allow a weight of evidence analysis.

The scientists at the University of Guelph said bees and other pollinators are affected by [several] potentially harmful factors, including —

- insufficient food
- long-distance movement of colonies for crop pollination
- mites
- varying beekeeping practices
- viruses
- weather



#### The Wisdom of a REAL Expert

#### **Dr Solomon's Biography**

Dr Keith R Solomon is among several LEADING EXPERTS who have recognized expertise, training and background in matters concerning pest control products.

Dr Solomon, Ph.D., is a Professor in the Department of Environmental Biology at the University of Guelph.

Dr Solomon is also Director of the Centre for Toxicology.

He conducts research into the fate and effects of pest control products and other substances in the environment, exposure of humans to pest control products and industrial chemicals, and risk assessment.

Dr Solomon also teaches courses in toxicology and pesticides.

Dr Solomon is a Graduate of Rhodes University in Chemistry and Zoology.

He holds M.Sc. degrees from Rhodes University and the University of Illinois, as well as a Ph.D. from Illinois.

Dr Solomon has more than thirty years of experience in research and teaching in pesticide science and environmental toxicology.

He has contributed to more than one-hundred-and-fifty scientific publications and reports in the fields of pesticides, environmental toxicology, and risk assessment.

He is a Fellow of the Academy of Toxicological Sciences and received the 2002 American Chemical Society International Award for Research in Agrochemicals.

In 2006, Dr Solomon was awarded the SETAC Europe Environmental Education Award and the Society for Environmental Toxicology and Chemistry Founders Award.

The Wisdom of a REAL Expert

#### The Whole Truth From DR SOLOMON Can Be Explored On The Pesticide Truths Web-Site ...

SOLOMON — THE WISDOM OF A REAL EXPERT (Web-Page)

http://pesticidetruths.com/toc/the-wisdom-of-the-solomons/

SOLOMON — THE MEDIA LIBRARY OF SOLOMON (Web-Page)

http://pesticidetruths.com/toc/solomon/

SOLOMON — BRITISH COLUMBIA SPECIAL COMMITTEE ON COSMETIC PESTICIDES ( Report )

http://pesticidetruths.com/wp-content/uploads/2011/11/Force-Of-Nature-The-Wisdom-of-the-Solomons-2011-11-08-BC-Special-Committee-on-Cosmetic-Pesticides-pdf-300-dpi.pdf

SOLOMON — BRITISH COLUMBIA SPECIAL COMMITTEE ON PESTICIDES ( Report )

 $http://pesticidetruths.com/2011/11/14/bc\cdot special-committee-on-pesticides-keith-solomon-presentation-discredits-ocfp-2004-report-dr-cathy-vakil/special-committee-on-pesticides-keith-solomon-presentation-discredits-ocfp-2004-report-dr-cathy-vakil/special-committee-on-pesticides-keith-solomon-presentation-discredits-ocfp-2004-report-dr-cathy-vakil/special-committee-on-pesticides-keith-solomon-presentation-discredits-ocfp-2004-report-dr-cathy-vakil/special-committee-on-pesticides-keith-solomon-presentation-discredits-ocfp-2004-report-dr-cathy-vakil/special-committee-on-pesticides-keith-solomon-presentation-discredits-ocfp-2004-report-dr-cathy-vakil/special-committee-on-pesticides-keith-solomon-presentation-discredits-ocfp-2004-report-dr-cathy-vakil/special-committee-on-pesticides-keith-solomon-presentation-discredits-ocfp-2004-report-dr-cathy-vakil/special-committee-on-pesticides-keith-solomon-presentation-discredits-ocfp-2004-report-dr-cathy-vakil/special-committee-on-pesticides-keith-solomon-presentation-discredits-ocfp-2004-report-dr-cathy-vakil/special-committee-on-pesticides-keith-solomon-presentation-dr-cathy-vakil/special-committee-on-pesticides-keith-solomon-presentation-dr-cathy-vakil/special-committee-on-pesticides-keith-solomon-presentation-dr-cathy-vakil/special-committee-on-pesticides-keith-solomon-pesticides-kei$ 

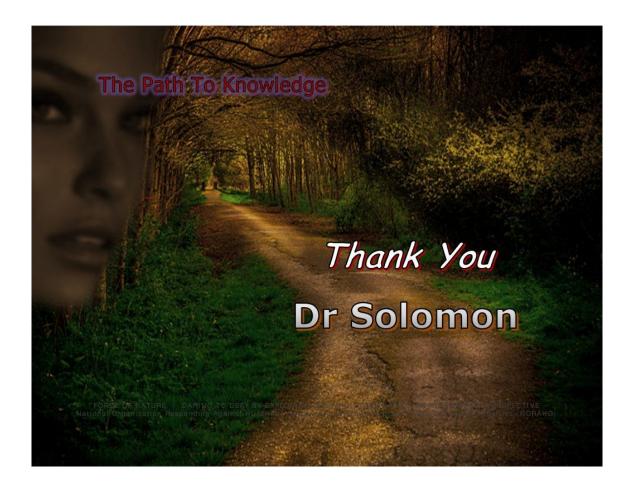
SOLOMON — BRITISH COLUMBIA SPECIAL COMMITTEE ON COSMETIC PESTICIDES (Audio Recordings)

http://pesticidetruths.com/2011/03/21/hero-b-c-doesn%E2%80%99t-need-pesticide-ban-letters-kamloops-daily-news/

SOLOMON — LANDSCAPE AND GARDEN USE OF PEST CONTROL PRODUCTS DOES NOT QUALIFY FOR CONSIDERATION UNDER THE PRECAUTIONARY PRINCIPLE ( Report )

http://pesticidetruths.com/wp-content/uploads/2011/12/Force-Of-Nature-Precautionary-Principle-2011-10-00-Wisdom-of-Holland-Part-1-Solomon-pdf-300-dpi.pdf

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#### **Background Information**

#### The Wisdom Of REAL Experts

There are NO anti-pesticide activists who are scientists or researchers or experts with credentials in the field of pest control products.

They are THE LEAST QUALIFIED TO PROVIDE ANY ADVICE about pest control products.

ANY PROHIBITION against pest control products is NOT supported by any of North America's respected and highly rated scientific and policy experts.

The following LEADING EXPERTS have recognized expertise, training, and background in matters concerning pest control products.

**The Library Of** 

# REAL EXPERTS

On Neonicotinoids

**Background Information** 

The Whole Truth About The REAL EXPERTS ON NEONICOTINOIDS Can Be Explored On The Pesticide Truths Web-Site ...

http://pesticidetruths.com/wp-content/uploads/2012/01/Force-Of-Nature-Myth-BUSTING-Bee-Colony-Collapse-Disorder-2013-09-16-Canada%E2%80%99s-Honey-Yield-Is-TWICE-The-World%E2%80%99s-Average-pdf-300-dpi.pdf

http://pesticidetruths.com/2013/10/17/28297/

#### EXPERTS — AMERICAN COUNCIL ON SCIENCE AND HEALTH (Blog)

http://pesticidetruths.com/2015/08/12/there-is-a-bee-crisis-because-of-the-carnage-of-truck-accidents-the-toxicity-of-linden-trees-simple-minded-bee-conspiracy-fanatics-are-only-crying-crocodile-tears-2015-07-

http://pesticidetruths.com/2014/08/02/the-myths-of-bee-colony-collapse-syndrome-fewer-bees-or-just-more-bee-s-tobacco-ringspot-virus-neonicotinoid-insecticides-do-not-harm-bees-dr-elizabeth-m-whelan-american-council/

#### EXPERTS — CROPLIFE CANADA (Reports)

http://pesticidetruths.com/wp-content/uploads/2012/01/Force-Of-Nature-Myth-BUSTING-Bee-Colony-Collapse-Disorder-2012-08-00-Bees-Pesticides-CropLife-pdf.pdf

http://pesticidetruths.com/2012/08/17/bee-colony-collapse-disorder-facts-about-bee-health-and-pesticides-over-wintering-honey-bee-losses-neonicotinoid-insecticides-croplife-canada-2012-08-00/

#### EXPERT — ENTINE, MR JON (Blog)

http://pesticidetruths.com/2017/10/05/myth-busting-the-bee-conspiracy-two-bumble-bee-queen-studies-fanat%d0%b6cal-versus-legitimate-science-is-being-massaged-by-truth-challenged-bee-conspiracy-fanat%d0%b6cs-bees-around-the-world-a/

#### EXPERTS — FELSOT, DR ALLAN S — MR HANK CAMPBELL (Blog)

http://pesticidetruths.com/2016/08/18/there-is-no-bee-crisis-neonicotinoid-insecticides-do-not-cause-bee-deaths-dr-allan-s-felsot-mr-hank-campbell-american-council-on-science-and-health-2016-08-16/

#### EXPERT — FELSOT, DR ALLAN S (Blog)

http://pesticidetruths.com/2016/08/16/there-is-no-bee-crisis-in-washington-state-hazardous-exposures-of-bees-to-neonicotinoid-insecticides-are-not-likely-to-occur-in-a-real-life-setting-dr-allan-s-felsot-2016-08-16/

#### EXPERT — HEALTH CANADA (Blogs)

http://pesticidetruths.com/2018/01/16/health-canada-proposes-few-neonic-restrictions-victory-against-anti-neonicotinoid-terr%d0%b6rists-allowed-use-on-field-crops-proposed-phase-out-of-turf-uses-2018-01-09/

http://pesticidetruths.com/2016/02/09/health-canada-pest-management-regulatory-agency-pmra-update-imidacloprid-preliminary-pollinator-assessment-with-overall-conclusions-laura-feeny-regional-pesticide-officer/

http://pesticidetruths.com/2016/01/14/there-is-no-bee-crisis-regulatory-reviews-show-that-there-is-a-slim-risk-to-bees-from-neonicotinoid-insecticides-2016-01-06/12/14/there-is-no-bee-crisis-regulatory-reviews-show-that-there-is-a-slim-risk-to-bees-from-neonicotinoid-insecticides-2016-01-06/12/14/there-is-no-bee-crisis-regulatory-reviews-show-that-there-is-a-slim-risk-to-bees-from-neonicotinoid-insecticides-2016-01-06/12/14/there-is-no-bee-crisis-regulatory-reviews-show-that-there-is-a-slim-risk-to-bees-from-neonicotinoid-insecticides-2016-01-06/12/14/there-is-no-bee-crisis-regulatory-reviews-show-that-there-is-a-slim-risk-to-bees-from-neonicotinoid-insecticides-2016-01-06/12/14/there-is-no-bee-crisis-regulatory-reviews-show-that-there-is-a-slim-risk-to-bees-from-neonicotinoid-insecticides-2016-01-06/12/14/there-is-no-bee-crisis-regulatory-reviews-show-that-there-is-a-slim-risk-to-bees-from-neonicotinoid-insecticides-2016-01-06/12/14/there-is-no-bee-crisis-regulatory-reviews-show-that-there-is-a-slim-risk-to-bees-from-neonicotinoid-insecticides-2016-01-06/12/14/there-is-no-bee-crisis-regulatory-reviews-show-that-there-is-no-bee-crisis-regulatory-reviews-show-that-there-is-no-bee-crisis-regulatory-reviews-show-that-there-is-no-bee-crisis-regulatory-reviews-show-that-there-is-no-bee-crisis-regulatory-reviews-show-that-there-is-no-bee-crisis-regulatory-reviews-show-that-there-is-no-bee-crisis-regulatory-reviews-show-that-there-is-no-bee-crisis-regulatory-reviews-show-that-there-is-no-bee-crisis-regulatory-reviews-show-that-there-is-no-bee-crisis-regulatory-reviews-show-that-there-is-no-bee-crisis-regulatory-reviews-show-that-there-is-no-bee-crisis-regulatory-reviews-show-that-there-is-no-bee-crisis-regulatory-reviews-show-that-there-is-no-bee-crisis-regulatory-reviews-show-that-there-is-no-bee-crisis-regulatory-reviews-show-that-there-is-no-bee-crisis-regulatory-reviews-show-that-there-is-no-bee-crisis-regulatory-reviews-show-that-there-is-no-bee-crisis-regulatory-reviews-show-that-there-is-no-bee-crisis-regulat

http://pesticidetruths.com/wp-content/uploads/2014/08/Force-Of-Nature-Bee-Conspiracy-2016-01-06-Regulatory-Reviews-Show-Slim-Risk-BLOG.pdf

#### EXPERT — HEPWORTH, DR LORNE (Reports)

http://pesticidetruths.com/wp-content/uploads/2012/01/Force-Of-Nature-Myth-BUSTING-Bee-Colony-Collapse-Disorder-2013-11-08-Wisdom-of-Hepworth-No-Need-For-Ban-pdf-300-dpi.pdf

http://pesticidetruths.com/2013/11/26/neonicotinoid-insecticide-ban-there-is-no-need-for-a-neonicotinoid-ban-dr-lorne-hepworth-2013-11-08/

EXPERT — LOMBORG, MR BJORN (Report)

http://pesticidetruths.com/2013/09/16/there-is-no-bee-crisis/

EXPERT — MERCHANT, DR MIKE (Blog)

http://pesticidetruths.com/2014/03/31/hero-who-speaks-out-against-anti-pesticide-bee-keeper-lunatics-dr-mike-merchant-bee-protests-are-cute-but-2014-03-21/hero-who-speaks-out-against-anti-pesticide-bee-keeper-lunatics-dr-mike-merchant-bee-protests-are-cute-but-2014-03-21/hero-who-speaks-out-against-anti-pesticide-bee-keeper-lunatics-dr-mike-merchant-bee-protests-are-cute-but-2014-03-21/hero-who-speaks-out-against-anti-pesticide-bee-keeper-lunatics-dr-mike-merchant-bee-protests-are-cute-but-2014-03-21/hero-who-speaks-out-against-anti-pesticide-bee-keeper-lunatics-dr-mike-merchant-bee-protests-are-cute-but-2014-03-21/hero-who-speaks-out-against-anti-pesticide-bee-keeper-lunatics-dr-mike-merchant-bee-protests-are-cute-but-2014-03-21/hero-who-speaks-out-against-anti-pesticide-bee-keeper-lunatics-dr-mike-merchant-bee-protests-are-cute-but-2014-03-21/hero-who-speaks-out-against-anti-pesticide-bee-keeper-lunatics-dr-mike-merchant-bee-protests-are-cute-but-2014-03-21/hero-who-speaks-out-against-are-cute-but-2014-03-21/hero-who-speaks-out-against-are-cute-but-2014-03-21/hero-who-speaks-out-against-are-cute-but-2014-03-21/hero-who-speaks-out-against-are-cute-but-2014-03-21/hero-who-speaks-out-against-are-cute-but-2014-03-21/hero-who-speaks-out-against-are-cute-but-2014-03-21/hero-who-speaks-out-against-are-cute-but-2014-03-21/hero-c

EXPERT — OLIVER, MR RANDY (Reports)

http://pesticidetruths.com/wp-content/uploads/2012/09/Force-Of-Nature-LIAR-Bee-Keepers-2012-12-20-Neonicotinoids-Are-Not-Killing-Bees-Randy-Oliver-pdf-300-dpi.pdf

http://pesticidetruths.com/2013/09/23/neonicotinoid-insecticides-are-not-killing-bees-bee-keepers-are-lying-sacks-of-anti-pesticide-cwap-they-are-killing-their-own-bees-randy-oliver-2013-09-02/

EXPERT — PETELLE, MR PIERRE (Blog)

http://pesticidetruths.com/2017/08/28/there-is-no-neonic-crisis-concerns-about-neonicotinoids-are-not-warranted-the-myths-of-bee-colony-collapse-syndrome-honeybee-colonies-production-are-thriving-2017-08-17/

http://pesticidetruths.com/2017/07/25/pesticides-have-a-role-in-our-society-the-wisdom-of-mr-pierre-petelle-ontarios-anti-pesticide-prohibition-violations-by-lying-cheating-with-illegal-products-croppi/

http://pesticidetruths.com/2014/01/14/neonicotinoid-insecticide-ban-neonicotinoid-insecticides-are-environmentally-friendly-mr-pierre-petelle-2014-01-06/

http://pesticidetruths.com/2016/07/20/vancouver-banning-neonicotinoids-wont-help-bees-2016-07-19/

#### **Background Information**

# The Entire Media History Of The Bee Conspiracy

Please explore the following links ...

BEE CONSPIRACY — RE-DIRECT LINKS (Web-Page)

http://pesticidetruths.com/toc/myth-busting-bee-colony-collapse-disorder-references-for-complaints-and-litigation/sections and the section of the collapse-disorder and the coll

BEE CONSPIRACY — THE LIBRARY OF REFERENCES 2 — 2015 TO PRESENT (Web-Page)

http://pesticidetruths.com/toc/bee-conspiracy-references-2-2015-to-present/

BEE CONSPIRACY — THE LIBRARY OF REFERENCES 1 — 1995 TO 2014 (Web-Page)

http://pesticidetruths.com/toc/bee-conspiracy-references-1-1995-to-2014/

BEE CONSPIRACY — THE LIBRARY OF REPORTS & BLOGS BY FORCE OF NATURE ( Web-Page )

BEE CONSPIRACY — HONEYBEE COLONIES & PRODUCTION ARE THRIVING — MR PIERRE PETELLE ( Blog )

http://pesticidetruths.com/2017/08/28/there-is-no-neonic-crisis-concerns-about-neonicotinoids-are-not-warranted-the-myths-of-bee-colony-collapse-syndrome-honeybee-colonies-production-are-thriving-2017-08-17/

PEST CONTROL PRODUCTS — THE MEDIA HISTORY OF VICTORIES AGAINST ANTI-PESTICIDE TERRЖRISM (Web-Page)

http://pesticide truths.com/toc/victories-against-terr%d0%b6 rists-reports-blogs/

 $\begin{array}{l} {\sf PEST\ CONTROL\ PRODUCTS-VICTORIES\ AGAINST\ ANTI-PESTICIDE\ TERR \#RISTS-VARIOUS\ STATEMENTS\ FOR\ MEDIA\ RELEASE\ (\ Web-Page\ ) \end{array}$ 

http://pesticidetruths.com/toc/victories-against-terrorists-statements/



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#### We Speak The Whole Truth With The Wisdom Of REAL Experts Like Dr Keith Ross Solomon

We are the National Organization Responding Against HUJE that conspire to destroy the Green space & other industries ( NORAHG ).

NORAHG is a non-profit & independent organization that reports on the work ofseveral highly-rated leading experts who have recognized expertise, training, & background in matters concerning pest control products, & who promote environmental realism & pesticide truths.

NORAHG produces *The Wisdom Of REAL Experts*, a series of reports & blogs providing SCIENTIFIC INFORMATION from several highly-rated leading experts, like Dr Keith Ross Solomon, who have recognized expertise, training, & backgrounds in matters concerning pest control products, and who promote environmental realism and pesticide truths.

**REAL EXPERTS** — Any prohibition against pest control products is not supported by any of North America's respected and highly rated experts health and policy experts.

These real experts speak out against the conspiracy to impose legislation that recklessly and arbitrarily prohibit conventional pest control products.

They have recognized expertise, training and background in matters concerning pest control products.

And none have ever consulted by anti-pesticide & environmental-terrwrist organizations.

They promote environmental realism and pesticide truths.

These experts have publicly stated, in one form or another, that pest control products are scientifically-safe. <a href="http://wp.me/p1jq40-8DV">http://wp.me/p1jq40-8DV</a>

The Wisdom Of REAL Experts is destined for the green space industry, nation-wide across Canada, the United States, & overseas, & can be found on The Pesticide Truths Web-Site ... http://pesticidetruths.com/

The Wisdom Of REAL Experts is committed to SOUND SCIENCE, as well as ground breaking original reporting that informs, entertains, & creates real change.

All information, excerpts, & pictures contained in *The Wisdom Of REAL Experts*were retrieved from the Internet, & may be considered in the public domain.

The information presented in *The Wisdom Of REAL Experts* is for preliminary planning.

Before making a final decision, the turf manager is expected to obtain trusted expert advice from extension specialists, local distributors and/or agronomists.

All decisions must take into account the prevailing growing conditions, the time of year, & the established management practices.

All products mentioned in *The Wisdom Of REAL Experts* should be used in accordance with the manufacturer's directions, & according to provincial, state, or federal law.

For the official advantages, benefits, features, precautions, & restrictions concerning any product, the turf manager must rely only on the information furnished by the manufacturer.

The mention of trade names does not constitute a guarantee or a warranty.

NORAHG also produces *Force Of Nature*, which dares to defy the pesticide-hating fanatxcs by exploring the whole truth from an independent perspective on *The Pesticide Truths Web-Site* ... http://pesticidetruths.com/

The Wisdom Of REAL Experts, Force Of Nature, & their various incarnations, were the brain-child of William H Gathercole (now retired) & his colleagues.

Here is a brief summary of Mr Gathercole's career —

FIELDS OF UNIVERSITY STUDY - Crop, Horticulture, & Turfgrass Sciences • Mathematics & Physics

**ALMA MATERS** — • McGill University • University of Guelph • the first person ever to obtain bachelors of science degrees & contribute directly to both the professional lawn care & golf maintenance industries.

**EXPERTISE** — • turf & ornamental maintenance & troubleshooting • history of the green space industry • sales & distribution of seeds, chemicals, fertilizers, & equipment • fertilizer manufacturing & distribution • environmental issues & antipesticide terriminant.

NOTABLE ACTIVITIES — • worked in virtually all aspects of the green space industry, including golf maintenance, professional lawn care, tree & shrub care, distribution, environmental compliance, government negotiations, public affairs, & workplace safety • the supervisor, consultant, &, programmer for the successful execution of hundreds-of-thousands of management operations in the golf course & urban landscape, as well as millions of pest control applications • the advisor, instructor, & trainer for thousands of turf & ornamental managers & technicians • the pesticide certification instructor for thousands of industry workers • a founder of the modern professional lawn care industry • the prolific writer for industry publications, reports, & blogs • the first to confirm the invasion of *European Chafer* insects in both the Montreal region & the Vancouver / Fraser Valley region • with Dr Peter Dernoeden, the first to confirm the presence of *Take All Patch* as a disease of turf in Eastern Canada • with Dr David Shetlar, the first to confirm the presence of *Kentucky Bluegrass Scale* as an insect pest in south-western Ontario, & later, in the Montreal & Vancouver regions.

that allowed the golf industry to avoid being subjected to anti-pesticide prohibition for a generation • the creator of the signs that are now used for posting after application • the co-founder of annual winter convention for Quebec golf course superintendents • the founder of the first ever *Turf Summit* with guest Dr Jack L Eggens https://wp.me/p1jq40-7dT • the major influence in the decision by *Canadian Cancer Society* to stop selling-for-profit fresh pesticide-treated daffodils https://wp.me/P1jq40-10W • the only true reliable witness of the events of anti-pesticide prohibition in the town of *Hudson*, *Quebec* https://wp.me/p1jq40-asu • the founder ( now retired ) of *The Wisdom Of REAL Experts* & *Force Of Nature* reports & blogs.

**NOTABLE AWARD** — • the first man-of-the-year for contributions leading to the successful founding of the Quebec professional lawn care trade association, which served as a beach-head against anti-pesticide activists in the 1980s & 1990s.

**LEGACIES** — Mr Gathercole & his colleagues ... • designed & implemented strategies that reined anti-pesticide activists & provided peace & prosperity for the entire modern green space industry for a generation • orchestrated legal action against anti-pesticide activists in the town of *Hudson*, *Quebec* • launched the largest founding professional lawn care business in the nation • quadrupled the business revenues of one of the largest suppliers in the nation.

Mr Gathercole is now retired, although his name continues to appear as the founder of *The Wisdom Of REAL Experts & Force Of Nature* reports & blogs.

We dare to defy by exploring the whole truth from an independent perspective on *The Pesticide Truths Web-Site* ... http://pesticidetruths.com/

We are the National Organization Responding Against HUJE that conspire to destroy the Green space and other industries ( NORAHG ).

If you wish to receive free reports & blogs on issues that concern you, please contact us at  $\dots$  force.of.de.nature@gmail.com WILLIAM H GATHERCOLE AND NORAH G

