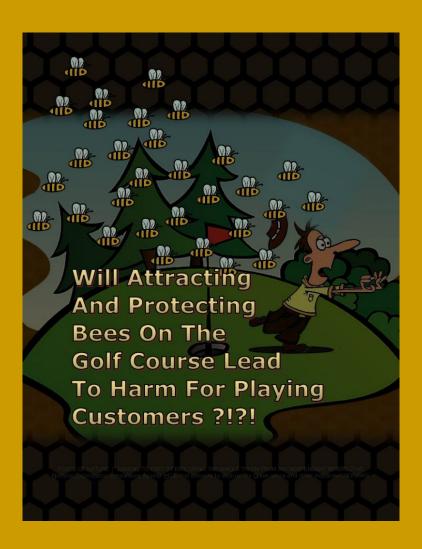
#### Pesticide Truths

Attracting & Protecting Bees On The Golf Course - Pollinator Best Management Practices That May Be Radical, Ineffective, Harmful, Expensive, & Time-Consuming - 2018 05 00

September 24, 2018 WILLIAM H GATHERCOLE AND NORAH G



#### **Bees On The Golf Course**

Question — Will attracting and protecting bees on the golf course lead to harm for playing customers ?!?!

By adopting so-called *Pollinator Best Management Practices*, some superintendents have decided to install and maintain bee-hives on their golf courses.

Bee-hives on the golf course represent a danger for playing customers. Bee-hives attract killer bees. Bees represent a clear and present danger to playing customers. The owners of golf facilities should NEVER allow superintendents to install and manage ANY bee-hives on the golf course. Bee-hives attract bees that can harm, and possibly even kill, people. They attract killer bees. What if young golfers and adults get stung ?!?! What if they happen to be allergic to bee stings ?!?! A sting may trigger a dangerous anaphylactic reaction that is potentially deadly. Stings will also release pheromones that prompt other nearby bees to attack. The owners of golf facilities will inevitably have their brains' sued out! There should be NO bee-hives on the golf course!

#### Question — Are Pollinator Best Management Practices radical ?!?!

Bee conspiracy fanat**xcs** and their tactics of coercion and intimidation, as well as their penchant for being truth-challenged, may have rendered *Pollinator Best Management Practices* as radical, as well as ineffective & harmful.

Question — How are superintendents being coerced and intimidated into attracting and protecting bees on the golf course ?!?!

Bee-keepers, and all other radical bee conspiracy fanatxcs, have begun to convince the golf industry's researchers and educators that *Pollinator Best Management Practices* ( PBMP ) should be adopted by the golf industry.

One example of PBMP includes *Recommendations From The 2016 Summit For Protecting Pollinators In Turf.* 

See later segment.

Strangely, most of the recommendations have been derived from the work of a single person, Dr Daniel A Potter, Department of Entomology, University of Kentucky.

See later segment entitled *Literature Cited*.

The basis for recommending these practices appears to originate from a fake-news story about a mere 200 bees that supposedly died under some linden trees in a Target Store Parking Lot in the State of Oregon in 2013.

See later segment entitled The Fake-News Target Store Parking Lot Incident In Oregon.

#### Question — Are *Pollinator Best Management Practices* effective ?!?!

Bee-keeping-superintendents seem to have a lot of time to waste. Clearly, if a superintendent can devote considerable time to the installation and maintenance of bee-hives, then it is abundantly clear that his employers should insist that the time can be better spent on what playing customers really care about ... high-quality playing conditions and aesthetics. A superintendent is paid to satisfy the demands of playing customers, and NOT bee-keepers. A superintendent works in the golf industry, and NOT the bee-keeping industry. Bee-keeping is NOT an effective use of his / her time & energy. There should be NO bee-hives on the golf course!

#### Question — What are more effective uses of the superintendents time ?!?!

There are more important critical issues that the golf superintendent must address — now! Forget about bee-hives. The golf industry's superintendents must recognize that they are on a collision course with the looming shipwreck of golf-hating and anti-pesticide terrwism! Superintendents face some huge challenges because of their high degree of vulnerability concerning several public affairs issues. In order to successfully deter the malicious efforts of all fanabxcal golf-hating anti-pesticide terrwrists, the golf industry must immediately address several critical issues.

Explore the link below entitled Critical Issues For The Golf Industry.

√ — Critical Issues For The Golf Industry — LINK

http://pesticide truths.com/toc/golf-industry-critical-issues/

Question — If golf courses reduce their use of pest control products, then will some bee-keepers stop losing bees over and over again ?!?!

So-called *Bee Colony Collapse Disorder* (BCCD) caused by golf courses is a MYTH! There is NO unambiguous evidence to suggest that neonicotinoid insecticides are to blame for BCCD. Under normal use, these insecticides DO NOT pose a problem to bees. There is NO neonicotinoid crisis!

# Question — If *Pollinator Best Management Practices* are radical, ineffective, & harmful, should they be adopted by the golf industry ?!?!

Incredibly, over-worked and under-paid superintendents are now expected to adopt yet another set of practices. And, they are also expected to attract and protect bees on their golf courses. And, these superintendents are required to mitigate potential risks of so-called *Bee Colony Collapse Disorder* (BCCD). This does not seem fair in view of the fact that there is NO proof of harm to bees by golf course products, especially neonicotinoids.

If some bee-keepers are losing bees over and over again, it is THEIR problem. BCDD caused by the use of insecticides is a MYTH perpetuated by radical bee conspiracy fanatxcs!

Neonicotinoid insecticides are desperately needed by the golf industry for the safe, effective, and economical control of insects that damage turfgrasses.

On the golf course, reducing the use for fungicides, herbicides, and insecticides will have absolutely NO effect on bees — including neonicotinoids. Moreover, there is NO PROOF that these products will harm honeybee colonies when they are used properly.

Scientists, under the direction of the famed Dr Keith Ross Solomon, at the University of Guelph, have reported that there are NO studies that show that neonicotinoids have harmed honeybee colonies. Scientists found that while these insecticides can harm individual honeybees, there is NO EVIDENCE linking them to the losses of a few bee-keepers in recent years.

Explore the link below entitled *There Is NO Proof That Neonicotinoid Harm Honeybee Colonies When Used Properly*— Dr Keith Ross Solomon.

In other words, when correctly-used, neonicotinoid insecticides DO NOT adversely affect honeybee colonies. The use of these neonicotinoids, with good practices, DOES NOT present a risk to honeybees at the level of the colony. Consequently, neonicotinoids are NOT A MAJOR CONCERN for honeybees.

 $\sqrt{\phantom{a}}$  — There Is NO Proof That Neonicotinoid Harm Honeybee Colonies When Used Properly — Dr Keith Ross Solomon — LINK

#### Question — Why are just a few bee-keepers losing their bees ?!?!

Some bee-keepers are killing their own bees over and over again. The most likely cause of losses are the bee-keepers themselves. INCOMPETENT bee-keepers are killing their own hives. Observers have concluded that many bee-keepers have NO IDEA what they are doing, and are simply NOT SKILLED to raise bees. Otherwise, bees are GROWING and THRIVING. Bees are NOT being lost because of the agricultural or golf course use of insecticides.

Explore the links below entitled Bee-Keepers Are Harming Bees, & NOT Neonicotinoid Insecticides.

Bee-keeping-superintendents are also expected to be UNSKILLED and INCOMPETENT. Raising bees is NOT within their field of expertise. Moreover, even if just a few bees are lost due to superintendent INCOMPETENCE, bee conspiracy fanatics will, predictably, blame the use of pest control products. There should be NO bee-hives on the golf course!

 $\sqrt{-}$  Bee-Keepers Are Harming Bees, & NOT Neonicotinoid Insecticides — LINKS

http://pesticidetruths.com/toc/bee-colony-collapse-disorder/

http://pesticidetruths.com/2013/09/25/neonicolinoid-insecticides-are-not-killing-bees-bee-keepers-are-lying-sacks-of-anti-pesticide-ovap-they-are-killing-their-own-bees-randy-oliver-2013-09-02/ http://pesticidetruths.com/2013/07/29/bee-keepers-are-harming-bees-and-not-neonicolinoid-insecticides-varroe-miles-are-the-primary-problem-2013-07-09/ http://pesticidetruths.com/2013/10/17/whats-killino-the-bees-bees-are-being-harmed-by-bee-keepers-using-illegal products-2013-19-16/

#### Question — Should superintendents co-operate with local bee-keepers ?!?!

If golf superintendents become forced to learn bee-keeping, then they will need to seek advice from local bee-keepers. This is a BAD IDEA, especially if they are members of the renegade *Ontario Bee-Keepers' Association* (OBA). The owners of golf facilities should NEVER allow their superintendents to forge ANY relationship with bee-keepers, who can be expected to abuse their relationship with the golf industry in order to impose reckless and arbitrary prohibition against neonicotinoid insecticides. With unsubstantiated stories and imaginary danger, bee-keepers are demanding that ALL uses of these insecticides must be stopped. This demand is being made under the pretext of somehow mitigating so-called *Bee Colony Collapse Disorder* (BCCD). Superintendents must stay away from bee-keepers and all other radical bee conspiracy fanatxcs.

Explore the link below entitled *Ontario Bee-Keepers' Association ( OBA ) — a.k.a. Sierra Club — Renegade, Lunatжc, Destructive, Reckless, & Subversive.* 

√ — Ontario Bee-Keepers' Association (OBA) — a.k.a. Sierra Club — Renegade, Lunatжc, Destructive, Reckless, & Subversive — LINK

http://pesticidetruths.com/toc/ontario-bee-keepers-association/



# **Pollinator Best Management Practices**For The Golf Industry

# Recommendations From The 2016 Summit For Protecting Pollinators In Turf

Will This Somehow Mitigate So-Called Bee Colony Collapse Disorder ?!?! May 2018

Dr R Chris Williamson, Professor Of Entomology University Of Wisconsin-Madison

**Golf Course Management** 

**Selected And Adapted Excerpts** 

Source Reference -

http://pesticidetruths.com/wp-content/uploads/2018/09/Reference-PCP-Bees-2018-05-00-Turfgrass-Best-Management-Practices-For-Turfgrasses.pdf

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#### Introduction

Pesticides — including fungicides, herbicides, insecticides, and plant growth regulators — are valuable tools that allow the turfgrass industry to provide the high-quality turf that the public demands.

In order to preserve, and protect these valuable tools, the turfgrass industry must use them correctly — in accordance with pesticide labels, EPA guidelines, and university recommendations.

Often, the [FALSE] PUBLIC PERCEPTION that use of these control agents is linked to pollinator decline threatens future use of these tools, and our ability to maintain functional, high-quality turf.

The [FALSE] PUBLIC PERCEPTION that pesticides are the primary factor responsible for pollinator decline has already resulted in the PHASE-OUT [i.e. reckless & arbitrary prohibition of certain neonicotinoid] insecticides for turfgrass use.

Golf superintendents are responsible for satisfying playing customers and their demands for high-quality playing conditions and aesthetics. They are NOT responsible for the problems of the bee industry.

Perhaps it is time for the golf industry's researchers and educators to stop wasting everyone's time on *Pollinator Best Management Practices* ( PBMP ). Instead, they should be defending the golf industry. They should be defying the FALSE PUBLIC PERCEPTION that pest control products are somehow harming bees.

Why are the golf industry's researchers and educators remaining silent ?!?! Why are they not defending the industry ?!?!

The bees are actually GROWING AND THRIVING. Bee populations are NOT being threatened, and are doing just fine! There is NO neonicotinoid crisis!

See the later segment entitled Honeybee Colonies & Production Are Thriving.

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See Background Information In A Later Segment ...

Honeybee Colonies & Production Are Thriving

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#### Recommendations

(See next seaments.)

# The 2016 Summit For Protecting Pollinators In Turf With Golf Industry's Researchers & Educators

Extension, and research entomologists from across the United States met in at *The 2016 Summit For Protecting Pollinators In Turf* to review the scientific literature on non-target impacts of pest management practices on pollinators in the turfgrass landscape, with the goal of developing *Pollinator Best Management Practices* ( PBMP ) to protect pollinators, identify knowledge gaps, and prioritize future research needs.

The working group identified the LIMITED RESEARCH that exists in turf landscapes, and prioritized areas where research is needed to conserve pollinators while balancing the needs for maintaining healthy, high-quality turfgrass.

#### Introduction

Turfgrass is an important cropping system covering more than 39 million acres ( ~ 16 million hectares ) in the United States. (9)

http://pesticidetruths.com/wp-content/uploads/2018/09/9-Milesi-C.-C.D.-Elvidge-J.B.-Dietz-B.T.-Tuttle-R.R.-Nemani-S.W.-Running-2005-Mapping-Modeling.pdf

Synthetic pesticides — including fungicides, herbicides, insecticides, and plant growth regulators — are important tools in managing turf landscapes.

However, some of these management tools have been IMPLICATED in the DECLINE of managed bees and wild pollinators. [?!?!]

Why are the golf industry's researchers and educators not defending the industry ?!?!

The golf industry is NOT responsible for the problems of the bee industry.

Nevertheless, the bees are actually GROWING AND THRIVING. Bee populations are NOT being threatened, and are doing just fine! There is NO neonicotinoid crisis!

See the later segment entitled *Honeybee Colonies & Production Are Thriving*.

#### What To Do About Pollinators

Regardless Of The Numerous Factors
Associated With Pollinator Decline, The
Popular Press, & The Publ ic Often Wrongly
Perceive Insecticides — Especially
Neonicotinoids — As The Primary Threat
Responsible For Decline

The ecological services that native, and managed bees, and other pollinating insects provide to society are invaluable.

It is estimated that 75 per cent of the world's food crops COULD NOT reproduce without assistance from pollinators. (5)

http://pesticidetruths.com/wp.content/uploads/2018/09/5-Klein-A.M.-B.E.-Vassiere-J.H.-Canc-L. Steffan-Dewenter-S.A. Cunningham-C. Kremen-T.-Tscharutke, 2007.-Imp.pdf

Unfortunately, pollinator populations have experienced SIGNIFICANT DECLINES in the past few decades, ultimately threatening the world food supply. [?!?!]

Several factors have been IMPLICATED in their decline, including habitat loss, extreme temperature fluctuations (variability), pathogens, parasites, colony stressors, and pesticide exposure. (3)

http://pesticidetruths.com/wp-content/uploads/2018/09/3-Goulson-D.-E.-Nicholls C.-Bolias E.L.-Rotheray, 2015. Bee-Declines-Driven-By-Combined-Stress-From-Parasites-Pesticides-Lack-Of-Flowers pull

Regardless of the numerous factors associated with pollinator decline, the popular press, and public often WRONGLY PERCEIVE insecticides — especially neonicotinoids — as the primary threat responsible for pollinator decline. [?!?!]

This NEGATIVE PERCEPTION has contributed to the IMPOSITION OF BANS against the use of neonicotinoids for aesthetic purposes (including turfgrass management) by several municipalities in the United States.

These BANS illustrate the need for the development of rational, science-based recommendations for *Pollinator Best Management Practices* that promote healthy turf while conserving, and enhancing pollinator health.

Who cares about pollinator health ?!?!

Golf superintendents are NOT responsible for the problems of the bee industry.

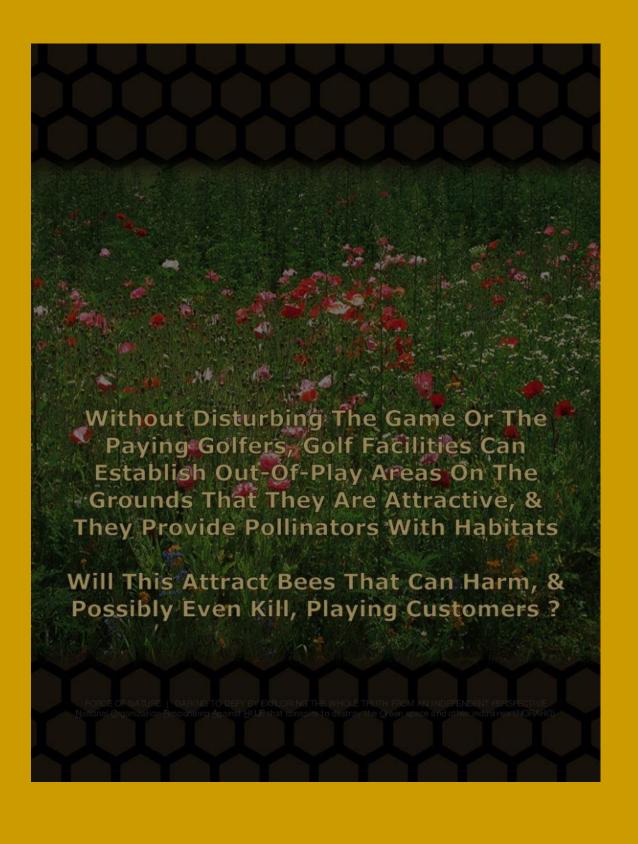
Over-worked and under-paid superintendents are now expected to adopt radical, ineffective, & harmful *Pollinator Best Management Practices* that will DO NOTHING for pollinator health.

The alleged losses of bees are, in fact, the fault of bee-keepers and their mis-management practices. They are KILLING their own bees, and they appear to be unable or unwilling to mitigate the real issues that harm bees, such as starvation, transportation, weak colonies, fungal infections, and mite infestations. These issues have NOTHING TO DO with golf course superintendents.

See Background Information In A Later Segment ...

Bee-Keeper Madness

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#### Practices

# Practices For Implementing Chemical Controls In Turfgrass Are [ Somehow ] Imperative For Protecting Pollinators ?!?!

Turfgrass managers have been implementing *Integrated Pest Management* (IPM) practices for decades to maximize pest management efficiency, and efficacy while reducing potential [IMAGINED] adverse or non-target effects on natural enemies and beneficial organisms. (4)

http://pesticidetruths.com/wp.content/uploads/2018/09/4-Held-D.W.-D.A.-Potter-2012 - Prospects-For-Managing-Turfgrass-Pests-With-Reduced-Chemical-Inputs.pdf

Turfgrass managers can employ similar principles to mitigate potential [ IMAGINED ] risks to pollinators.

Pollinator Best Management Practices — including action before, during, and after pesticide applications — are often simple, and inexpensive. [ ?!?! ]

It is also imperative [?!?!] that the turfgrass industry employ pesticide stewardship, and *Pollinator Best Management Practices* to protect, and preserve pollinators. [?!?!]

Over-worked and under-paid superintendents were expected to adopt *Integrated Pest Management* ( IPM ) practices because of the imagined risk of pesticide.

Now, they must adopt yet another set of practices, *Pollinator Best Management Practices* ( PBMP ), to minimize the imagined risk of golf courses to bees.

IPM practices were / are failures because they DO NOT WORK.

PBMP will be failures because they WILL NOT WORK either. Bees will NOT be protected by PBMP because there are NO real risks on the golf course.

Sadly, IPM and PBMP are promoted by the golf industry's researchers and educators who falsely allege their success, and who are likely concocting lies, misconceptions, and deceptions for their own nefarious personal interests. They do not care about forever burdening superintendents with practices that were / are radical, ineffective, harmful, expensive, and time-consuming.

Who cares about these researchers and educators ?!?! Overall, IPM and PBMP are wastes of time and money for golf courses. It is impossible for golf superintendents to ensure high-quality playing conditions and aesthetics by using IPM and PBMP.

See the later segment entitled IPM Is #@!!% Futile Nonsense.

See Background Information In A Later Segment ...

IPM Is #@!!% Futile Nonsense



#### Label Directions

First, and foremost, merely FOLLOWING THE PESTICIDE LABEL, and ensuring that pollinators are NOT directly exposed to pesticide residues can minimize potential negative impact to pollinators.

Who cares about pollinators ?!?! Golf superintendents are NOT responsible for the problems of the bee industry. They are now being HORRIFICALLY FINED whenever they defy the label directions for pest control products. Traditionally, fines have been levied against the golf facility business, and NOT against the employee-superintendent. No more! HORRIFIC FINES are now being imposed specifically against the superintendents themselves.

See the later segment entitled *Educating Golf Course Superintendents*.

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See Background Information In A Later Segment ...

**Educating Golf Course Superintendents** 

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## Pre-Application Considerations

Where Turfgrass Weeds Are Mowed Regularly, The Application Of Pesticides, Including Neonicotinoids, Does Not Pose A Prolonged Systemic Hazard To Bees

Applying insecticides directly to flowers has resulted in pollinator kill [a mere 50,000 bumblebees, the equivalent of one bee-hive], notably when insecticide was applied [several months earlier] to blooming linden trees in Oregon in 2013. [?!?!] (10)

http://pesticidetruths.com/wp-content/uploads/2018/09/10-Mohney-G. 2013-More Than-25000-Bees-Die-In-Oregon - Accessed-April-2-2018 pdf

Is this fake-news story the basis for recommending radical, ineffective, & harmful *Pollinator Best Management Practices*?!?! Is it possible that the linden trees themselves were toxic to the bumblebees?!?!

See the later segment entitled *The Fake-News Target Store Parking Lot Incident In Oregon*.

Who cares about 50,000 bee losses in Oregon ?!?! Bee-keepers decimate millions and millions and millions of their own bees by driving their transport vehicles INEPTLY! There IS a commercial honeybee crisis because of the carnage caused by their truck accidents. Up to 20 million honeybees have died in a single truck accident! 20 million bee deaths is the largest bee kill on record by INEPT bee-keeper drivers!

See the later segment entitled *The Biggest Killer Of Honeybees*.

In the turf ecosystem, flowering weeds are quite common, and attractive to various pollinating insects. (7)

http://besticidetruths.com/wp.content/buloads/2018/09/T-Larson-Lt.-A.J.-Keisheimer-D.A.-Potter-2014. Pullinator-Assemblanes-On-Dandelions-White-Clower-On-Urban-Suburban Lawns pdf.

MOWING OFF THE FLOWER HEADS OF WEEDS such as white clover, dandelion, and others before pesticide (insecticide) application is recommended in order to avoid the issues associated with direct floral contamination. [?!?!]

Evaluation of nectar in turfgrass weed flowers treated with neonicotinoids suggests that if new flowers re-grow in treated areas, the residues detected in the new flowers will be BELOW THE LEVELS thought to be hazardous or harmful to pollinators. (8)

http://pesticidetruths.com/wp.content/uploads/2018/09/8-Larson-LL.-C.T. Redmond-D.A. Potter - 2015 - Mowing Militates-Bloactivity-Of-Neonisotinoid-Insecticides pdf

Consequently, where turfgrass weeds are mowed regularly, the application of pesticides (including neonicotinoids) DOES NOT pose a prolonged systemic hazard to bees.

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See Background Information In Later Segments ...

The Fake-News Target Store Parking Lot Incident In Oregon

The Biggest Killer Of Honeybees

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## Timing Pesticide Applications

Turfgrass managers should be mindful of the timing of pesticide applications.

Timing can determine the likelihood of pollinator exposure to pesticides, especially insecticides.

Most pesticide applications, including insecticides, are applied preventively from March through June. (4)

http://pesticidetruths.com/wp-content/uploads/2018/09/4-Held-D.W.-D.A.-Potter. 2012.-Prospects-Tor-Managing-Turfgrass-Pests-With-Reduced-Chemical-Inputs pdf

Unfortunately, such preventive application timings coincide with the blooming of flowering weeds that frequently attract numerous species of pollinating insects.

Simply DELAYING [FOR HOW LONG ?!?!] the application of pesticides (insecticides) while small, and vulnerable colonies of honey bees, and bumble bees are recovering from winter stress can dramatically reduce the likelihood of potential exposure to toxic insecticides.

Turfgrass managers can also minimize the potential [ IMAGINED ] risk of pesticide exposure to pollinators by applying pesticides only in the EARLY MORNING or EARLY EVENING, when most pollinator species are NOT actively foraging.

Making pesticide applications during these time periods can also mitigate the potential risk of spray (pesticide) drift to areas that likely support high populations of foraging pollinators. (1)

http://pestlcidetruths.com/wp-content/uploads/2018/09/1-Bayer-Environmental-Science-2012-Canadian-Merit-Label.pdf

These *Pollinator Best Management Practices* are NOT FAIR in view of the fact that there is NO proof of harm to bees by golf course products, especially neonicotinoids. Nonetheless, over-worked and under-paid superintendents are now expected to adopt yet another set of practices to minimize the imagined risk of golf courses to bees. And, they are also expected to protect bees on their golf courses when the bee-keepers themselves are known to be the BIGGEST KILLERS of bees.

See the later segment entitled *Bee-Keeper Madness*.

See Background Information In A Later Segment ...

Bee-Keeper Madness

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#### Pesticide Product Formulation

The Risk Of Pesticide Exposure To Pollinators Is LOWER With Granular Formulations Than With Sprayable Formulations

Any Negative Interaction With Liquid Pesticides Can Be Avoided By Applying Post-Treatment Irrigation Or Removing Flowering Weeds By Mowing

The extent to which a pesticide is hazardous to pollinators is also largely affected by the formulation of the product, NOT just the active ingredient. (11)

http://pesticidetruths.com/wp.content/uploads/2018/09/11-Stark.1.D.-P.C. Jepson-D.F.-Mayer-1995. Limitations-To-Use Of-Topical-Toxicity Data-For-Predictions-Of-Pesticide Side-Effects-In-The-Field pdf

Pesticides used in turf are available in various formulations, including liquid sprays, and granules. These formulations vary in their potential to affect pollinating insects. (2)

http://pesticidetruths.com/wp-content/uploads/2018/09/2-Gels-J.A.-D.W. Held-D.A.-Potter. 2002. Hazards-Of-Insecticides-To-Bumble-Bees.pdf

A research study compared sprayable with granular formulations of neonicotinoids when both were applied to flowering weeds in turf.

Results showed that the risk of pesticide exposure to pollinators was LOWER with granular formulations than with sprayable formulations. (7)

http://pesticidetruths.com/wp.content/uploads/2018/09/7-Larson\_JL.-A.L.-Keisbeimer D.A.-Potter, 2014, Pollinator-Assemblages On-Dandelions-White-Clover-On-Urban-Suburban Lawns pdf.

Although both the liquid, and granular products are systemic, the granular formulation is LESS LIKELY to contaminate flowering portions of blooming plants.

Even though applying liquid pesticides to blooming or flowering weeds poses a greater risk of pesticide exposure to pollinators, this negative interaction can be AVOIDED by applying post-treatment irrigation or removing flowering weeds by mowing. (7)

http://pesticidetrufts.com/wp.content/uploads/2018/09/7-Larson J.L.-A.J.-Keisheimer D.A. Potter. 2014. Pollinator-Assemblages-On-Dandellons-White-Clover-On-Urban-Suburban-Lawus pdf

## Post-Application Turf Care

Product labels often require POST-TREATMENT IRRIGATION, especially for management of below-ground insects such as white grubs.

Irrigation can also remove or dislodge pesticide residues from pollinator foraging zones of treated plants, and dilute the active ingredient concentrations, thus reducing potential hazards to pollinating insects.

(2) (6)

http://pesticidetruths.com/wp-content/uploads/2018/09/2-Cels-J.A.-D.W.-Held-D.A.-Potter-2002.-Hazards-OF-Insecticides-To-Bumble-Bees.pdf

http://pesticidetruths.com/wp.content/uploedy/2018/09/6-Kunkol-B-A--D.W.-Held-D.A.-Potter-2001.4 ethal-Sublethal-Effects-OF-Bendiocarb-Halofenovide-Imidactori d.pdf

It has been suggested that irrigation — particularly in the morning — may dilute residues of insecticides present in dew or guttation droplets that frequently accumulate on turfgrass. (8)

http://pesticidetruths.com/wp-content/uploads/2018/09/8-Larson-LL-C.T.-Redmond-D.A. Potter, 2015. Mowing-Mittgates-Bioactivity-Of-Neonicolinoid-Insecticides.pdf

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Dr R Chris Williamson is a professor and extension specialist at the University of Wisconsin-Madison.

Why are the golf industry's researchers and educators not defending the industry ?!?!

Who pays these guys to travel long-distances to *Summits For Protecting Pollinators In Turf* and other nonsensical events ?!?!

Directly or indirectly, the golf industry pays these guys who, for all intents and purposes, come up with anti-golf practices that are radical, ineffective, harmful, expensive, and time-consuming.

They should be defying the FALSE PUBLIC PERCEPTION that pest control products are somehow harming bees. They should forget about concocting a never-ending litany of pointless practices.

Otherwise, who cares about these over-paid researchers and educators with bloated travel budgets and lavish life-styles?!?! They should have more stringent industry oversight.

Let's worry about REAL issues that affect superintendents.

The bees are actually GROWING AND THRIVING. Bee populations are NOT being threatened, and are doing just fine! There is NO neonicotinoid crisis!

See the later segment entitled Honeybee Colonies & Production Are Thriving.

# Additional Reading

# Pollinator Best Management Practices That Are Radical, Ineffective, Harmful, Expensive, & Time-Consuming

For additional information regarding PBMP for protecting pollinators in turf [?!?!], see one or all of the following extension publications —

( A ) Best Management Practices For Turf Care, & Pollinator Conservation — North Central IPM Center

http://pesticidetruths.com/wp-content/uploads/2018/09/A-Best-Management-Practices-For-Turf-Care-Pollinator-Conservation.pdf

(B) Best Management Practices For Turf Care, & Pollinator Conservation — Fast Facts

http://pesticidetruths.com/wp-content/uploads/2018/09/B-Best-Management-Practices-For-Turf-Care-Pollinator-Conservation-Fast-Facts.pdf

(C) Conservation Of Native, & Domestic Pollinators In Managed Turfgrass Landscapes — University of Wisconsin

http://pesticidetruths.com/wp-content/uploads/2018/09/C-Conservation-Of-Native-Domestic-Pollinators-In-Managed-Turfgrass-Landscapes.pdf

## The Research Says ...

- Pollinators are valuable natural resources that are responsible for much of the world's food production, but their numbers are declining. [WRONG!]
- The causes of pollinator decline are numerous, and public opinion often [WRONGLY] places the blame on insecticides.
- By following *Pollinator Best Management Practices* for use of insecticides, and other turf care products, turf managers can reduce the risk of harm to pollinators. [?!?!]
- Applying pesticides according to label instructions, and in accordance with EPA guidelines, and university recommendations will help protect pollinators, and the environment.

Pollinator Best Management Practices ( PBMP ) will be failures because they WILL NOT WORK. Bees WILL NOT be protected by PBMP because there are NO real risks on the golf course.

Sadly, IPM and PBMP are promoted by the golf industry's researchers and educators who falsely allege their success, and who are likely concocting lies, misconceptions, and deceptions for their own nefarious personal interests.

#### Literature Cited

Most of the recommendations from *The 2016 Summit For Protecting Pollinators In Turf* have been derived from the work of a single person, Dr Daniel A Potter, Department of Entomology, University of Kentucky.

(1) Bayer Environmental Science. 2012. Canadian Merit Label.

http://gestleidetruths.com/wg-content/uploads/2018/09/1-Bayer-Environmental-Science, 2012, - Canadian-Merit-Label.pdf

(2) Gels, J.A., D.W. Held, & D.A. Potter. 2002. Hazards Of Insecticides To Bumble Bees, Bombus Impatiens (Hymenoptera: Apidae) Foraging On White Clover In Turf. Journal Of Economic Entomology 95:722-728.

http://pesticidetruths.com/wp-content/uploads/2018/09/2-Gels-LA-D.W.-Held-D.A.-Potter -2002. Hazards-Of-Insecticides To-Bumble-Bees.pdf

(3) Goulson, D., E. Nicholls, C. Botias, & E.L. Rotheray. 2015. *Bee Declines Driven By Combined Stress From Parasites, Pesticides, & Lack Of Flowers.* Science 347:1255957.

http://pesticidetruths.com/usp.content/uploads/2018/0073-Coulson-D.E.-Nicholls-C.-Botias-E.L.-Rotheray. 2015. Bee-Declines-Driven-By-Combined Stress-From Paralites-Pesticides-Lack-OI-Flowers.pdf

(4) Held, D.W., & D.A. Potter. 2012. Prospects For Managing Turfgrass Pests With Reduced Chemical Inputs. Annual Review Of Entomology 57:329-354.

http://pesticidetruths.com/wp.content/upleads/2018/09/4-Held-D.W.-D.A.-Potter. 2012. Prospects For Managing-Turfgrass Pests With Reduced Chemical Inputs pull

(5) Klein, A.M., B.E. Vassiere, J.H. Cane, I. Steffan-Dewenter, S.A. Cunningham, C. Kremen, & T. Tscharntke. 2007. *Importance Of Pollinators In Changing Landscapes For World Crops.* Proceedings Of The Royal Society: Biological Sciences 274:303-313.

http://pesticidetruths.com/wp.content/uploads/2018/0975-Klein-A.M.-B.E.-Vassiere J.H.-Cane J. Steffan-Dewenter S.A. Cunningham-C.-Kremen-T.-Tscharnike, 2007-Imp.pdf

(6) Kunkel, B.A., D.W. Held, & D.A. Potter. 2001. Lethal, & Sublethal Effects Of Bendiocarb, Halofenozide, & Imidacloprid On Harpalus Pennsylvanicus (Coleoptera: Carabidae) Following Different Modes Of Exposure In Turfgrass. Journal Of Economic Entomology 94:60-67.

http://pcsticidetruths.com/wp-content/uploads/2018/09/6-Kunkel-B.A.-D.W.-Held-D.A.-Potter, 2001. Lethal-Sublethal-Effects-Of-Bendiocarb-Halofenovide-Imidacloprid.pdf

(7) Larson, J.L., A.J. Keisheimer, & D.A. Potter. 2014. *Pollinator Assemblages On Dandelions, & White Clover On Urban, & Suburban Lawns.* Journal Of Insect Conservation 18(5):863-873.

http://pasticidetruths.com/wp.content/uploads/2018/09/7-Larson.J.L.-A.J. Keishelmer-D.A. Potter. 2014. Pollinator-Assemblages-On-Dandelians-White-Clover-On-Urban-Suburban-Lawns pdf

(8) Larson, J.L., C.T. Redmond, & D.A. Potter. 2015. *Mowing Mitigates Bioactivity Of Neonicotinoid Insecticides In Nectar Of Flowering Lawn Weeds, & Turfgrass Guttation.* Environmental Toxicology, & Chemistry 34:127-132.

http://pesticidetruths.com/wp.content/uploads/2018/09/8-Larson.J.L.-C.T.-Redmond-D.A.-Potter.-2015-Moving-Mitigates-Bioactivity-Of-Neonicotinoid-Insecticides.pdf

(9) Milesi, C., C.D. Elvidge, J.B. Dietz, B.T. Tuttle, R.R. Nemani, & S.W. Running. 2005. *Mapping, & Modeling Of Biogeochemical Cycling Of Turfgrasses In The United States*. Environmental Management 36:426-438.

http://pesticidetruths.com/wp.content/uploads/2018/09/9-4Milesi-C.-C.D.-Etvidge-J.B.-Dietz-B.T.-Tuttle-R.R.-Nemani S.W.-Running. 2005.-Mapping-Modeling.pdf

(10) Mohney, G. 2013. More Than 25,000 Bees Die In Oregon. Accessed April 2, 2018.

http://pesticidetruths.com/wp-content/uploads/2018/09/10-Mohney-G-2013-More-Than-25000-Bees-Die-In-Oregon - Accessed-April 2-2018.pdf

(11) Stark, J.D., P.C. Jepson, & D.F. Mayer. 1995. Limitations To Use Of Topical Toxicity Data For Predictions Of Pesticide Side Effects In The Field. Journal Of Economic Entomology 88:1081-1088.

http://pesticidetruths.com/wp-content/uploads/2018/09/11-Stark J-D.-P.C. Jepson-D.F.-Mayer 1995 - Limitations To-Use-Of-Topical Toxicity-Data-For-Predictions-Of-Pesticide-Side-Effects-In-The-Field pdf

Save The Bees — Don't Mow Your Dandelions

# Recommendations From The Weather Channel

**Ontario Bee-Keepers Suffer Devastating Losses ?!?!** 

However waters | Desired to delive a containing the whose the great value and other indudries (NOPAHG)

Bedaraf Grantization Responding Against HOWE that contains to dealing the Great value and other indudries (NOPAHG)

May 16th, 2018

**The Weather Network** 

**Selected And Adapted Excerpts** 

#### Source Reference -

<u>http://pesticidetruths.com/wp-content/uploads/2018/09/Reference-PCP-Bees-2018-05-16-Turfgrass-Help-The-Bees-Dont-Mow-Your-Dandelions-Yet-The-Lunatxc-Weather-Network.pdf</u>

### Infested With Fanatxcs

Bee-keepers, and other radical bee conspiracy fanat**xcs**, have infested *The Weather Channel*, which recommends radical & ineffective *Pollinator Best Management Practices* (PBMP) for home-owners.

Why ?!?!

Because Ontario bee-keepers are alleging extreme losses yet again in 2018 — possibly the worst winter loss on record [?!?!].

These fanat**xcs** have convinced *The Weather Network* that radical and ineffective practices should be adopted by home-owners —

# Save The Bees Don't Mow Your Dandelions ?!?!?!?!?!?!

Due to the long winter and several false starts to spring, 70 per cent of bee-keepers reported unsustainable losses. [?!?!]

According to the fanat $\kappa$ cal-leader of the renegade Ontario Bee-Keepers' Association (OBA), Jim Coneybeare —

I've been getting calls from [INCOMPETENT] bee-keepers around the province.

The number of dead or weak colonies is astounding. [?!?!]

These could be the worst winter losses on record. [?!?!]

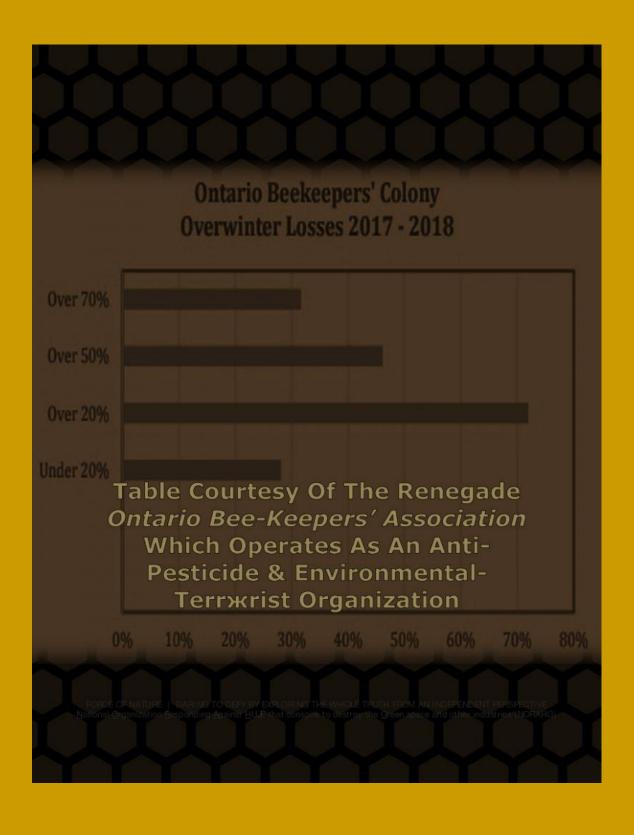
When bee-keepers lose more than 20 per cent of their colonies, they can have a rough time building things back up.

They'll have to spend money on new bees and will spend a majority of the summer rehabilitating their colonies, ultimately losing money in the process.

One in four bee-keepers [UNVERIFIABLY] have reported to the OBA that if these losses continue, they will not be able to continue bee-keeping.

Perhaps these bee-keepers, who are suffering devastating losses over and over again, SHOULD stop raising bees. Clearly, these bee-keepers are INCOMPETENT. Fortunately, just a few bee-keepers are actually losing their bees. They have no idea what they are doing, and are simply NOT SKILLED to raise bees. Otherwise, bees are actually GROWING AND THRIVING. Bee populations are NOT being threatened, and are doing just fine!

See the later segments entitled Bee-Keeper Madness and Honeybee Colonies & Production Are Thriving.





## Bees Are Doing Just Fine

Fortunately, NOT ALL COLONIES HAVE FACED LOSSES.

Mr Shaun Hensher, a [COMPETENT] bee-keeper from the Orillia area, said all of his bees are DOING JUST FINE.

### According to Mr Hensher —

I've seen a lot of reports of other bee-keepers having massive losses, so I'm grateful we had such luck.

Losses are to be expected ... [but] some bee-keepers who were already struggling due to low honey prices and repeated years of losses may have to shut down their operations.

This is bad news not only for the individual bee-keepers, but for the entire bee population.

### According to Mr Hensher —

Native pollinator populations are rapidly declining [?!?!], and if bee-keeping becomes untenable as an industry, we will lose the crucial pollinating services that honeybees provide [?!?!].

This will affect crop yields, leading to food shortages and high prices [?!?!].

## Self-Impose Prohibition

Mr Hensher said that even people who don't practice bee-keeping can help sustain Canada's population of pollinators (which includes bees, wasps, butterflies, beetles, and flies).

#### According to Mr Hensher —

The best thing folks can do to support the honeybees and our native pollinators is to AVOID USING PESTICIDES [i.e. SELF-IMPOSED PROHIBITION] on their own gardens and lawns and grow wildflowers in every nook and cranny they can.
[?!?!]

Will self-imposing prohibition somehow mitigate the risk of so-called *Bee Colony Collapse Disorder* ?!?!

Pollinator Best Management Practices ( PBMP ) are expected to minimize the imagined risk of golf courses to bees.

PBMP will be a failure because it WILL NOT WORK. Bees will NOT be protected by PBMP because there are NO real risks on the golf course.

Mr Hensher also said that limiting neonicotinoid pesticides in Canada will put less pressure on all bee populations. [?!?!]

Scientists, under the direction of the famed Dr Keith Ross Solomon, at the University of Guelph, have reported that there are NO studies that show that neonicotinoids have harmed honeybee colonies. Scientists found that while these insecticides can harm individual honeybees, there is NO EVIDENCE linking them to the losses of a few bee-keepers in recent years.

Explore the link below entitled *There Is NO Proof That Neonicotinoid Harm Honeybee Colonies When Used Properly*— Dr Keith Ross Solomon.

### Explore the following link ...

 $\sqrt{\ }$  — There Is NO Proof That Neonicotinoid Harm Honeybee Colonies When Used Properly — Dr Keith Ross Solomon — LINK

http://pasticidetruths.com/2018/01/20/there-is-no-proof-that-neon/cotinoids-harm-honeybees-when-used-properly-dr-keith-ross-solomon-speaks- the-truth-2017-11-21/

The European Union [EU] recently placed a ban on all neonicotinoid pesticides, so perhaps this means hope for Canada as well.

The majority of EU nations DO NOT want anti-pesticide prohibition.

For example, Britain's vote to leave the EU, Brexit, representS a VICTORY against bee conspiracy fanatwcs who conspire against neonicotinoid insecticides.

Anti-neonicotinoid prohibition will NOT stop so-called *Bee Colony Collapse Disorder*.

Based upon overwhelming scientific data, neonicotinoids harming bees is a MYTH, and prohibition against these insecticides is NOT necessary.

It is perhaps worth pointing out that France prohibited against neonicotinoid insecticides in the 1990s, and it has seen NO marked reduction in bee colony collapse disorder.

According to the results of the Syngenta field studies conducted in various different regions in France between 2005 and 2010, neonicotinoids are LOW RISK TO BEES.

Additionally, neonicotinoid insecticides were still being used throughout the EU in 2013 ... and yet, 2013 was the LOWEST European bee loss recorded since 2007.

Furthermore, according to the European Food Safety Authority, the situation on honey bee colony mortality is BETTER THAN PREVIOUSLY EXPECTED.

Consequently, EU government officials are THINKING TWICE before further imposing reckless anti-neonicotinoid prohibition.

Explore the links below.

### Explore the following links ...

√ — Results Of Field Studies Conducted In France — LINK

http://pesticidetruths.com/2013/11/21/there-is-no-bee-crisis-field-studies-show-that-neonicotinoid-insecticides-are-low-risk-to-bees-european-union-2013-11-19/

 $\sqrt{-2013}$  Was Lowest European Bee Loss Recorded Since 2007 With Neonics Still Being Used - LINK

http://pesticidetruths.com/2014/08/13/neonic-pesticides-were-still-being-used-in-2013-2013-was-lowest-european-bee-loss-recorded-since-2007/

√ — EU Study Concludes Bee Mortalities Better Than Expected — LINK

http://pesticide truths.com/2014/08/09/study-on-honey-bee-colony-mortality-european-commission/linear-colony-mortality-european-commission/linear-colony-mortality-european-commission/linear-colony-mortality-european-commission/linear-colony-mortality-european-commission/linear-colony-mortality-european-commission/linear-colony-mortality-european-commission/linear-colony-mortality-european-commission/linear-colony-mortality-european-commission/linear-colony-mortality-european-commission/linear-colony-mortality-european-commission/linear-colony-mortality-european-commission/linear-colony-mortality-european-co

Dandelions are NOT an important food source for bees. The Weather Channel has concocted this story out of thin air.

There is NO ONE at The Weather Channel who has ANY expertise on these issues. This recommendation, *Don't Mow Your Dandelions*, is severely flawed and absolutely useless. Bee-keepers will continue losing their bees, regardless of dandelions.

Why are only a few Ontario bee-keepers suffering devastating losses ?!?!

Because these bee-keepers are actually INCOMPETENT.

Just a few bee-keepers are actually losing their bees. The most likely cause of losses are the bee-keepers themselves. Observers have concluded that many bee-keepers have NO idea what they are doing, and are simply NOT SKILLED to raise bees. Some bee-keepers are killing their own bees over and over again.

Otherwise, bees are GROWING AND THRIVING. There is NO bee-pocalypse because of neonicotinoid insecticide use. There are NO plummeting of bee numbers except for INCOMPETENT bee-keepers, who are losing their bees over and over again simply because they have NO idea what they are doing! Bees are NOT being lost because of the use of insecticides.

See the later segments entitled Bee-Keeper Madness and Honeybee Colonies & Production Are Thriving.

#### Explore the following links ...

Bee-Keepers Appear To Be Unable Or Unwilling To Get Their Major Pest Problems Under Control, Such As Varroa Mites — Bee-Keepers May Not Be Competent To Handle Their Businesses & They May Be Wholly Unsuited To Be Raising Bees

http://pesticidetruths.com/2013/07/29/bee-keepers-are-harming-bees and not neonicolinoid-insecticides-varrea-mites-are-the-primary-problem-2013-07-07/

http://pesticidetruths.com/toc/bee-colony-collapse-disorder/

http://pesticidetruths.com/2013/09/12//neonicatinoid-inserticides-are-not-killing-bees-bee-keepers-are-kying-sacks-of-anti-pesticide-wap-they-are-killing-their-own-bees-randy-oliver-2013-09-02/

http://pesticidetruths.com/2016/07/02/myth bushing non-pesticide-reasons-why-bee-keepers-lest-bees in-2018-2016-bee-keepers-are-harming-their-own-bees-and-not-reonicotinoid-insecticides-there-is-no-bee-crisis/

# Myth-BUSTING The Bee Conspiracy — Bees Are Growing & Thriving

http://pesticidetruths.com/2018/09/17/myth-busting-the-bee-conspiracy-bees-are-growing-thriving-2018-09-17/

Ontario Bee-Keepers' Association (OBA)
— a.k.a. Sierra Club — Renegade, Lunatжс,
Destructive, Reckless, & Subversive

http://pesticidetruths.com/toc/ontario-bee-keepers-association/

There Is NO Proof That Neonicotinoid Harm Honeybee Colonies When Used Properly — Dr Keith Ross Solomon

http://pesticidetruths.com/2018/01/20/there-is-no-proof-that-neonicotionoids-harm-honeybees when-used-properly-dr-keith-ross-solomon-speaks-the-truth-2017-11-21/20/there-is-no-proof-that-neonicotionoids-harm-honeybees when-used-properly-dr-keith-ross-solomon-speaks-the-truth-2017-11-21/20/there-is-no-proof-that-neonicotionoids-harm-honeybees when-used-properly-dr-keith-ross-solomon-speaks-the-truth-2017-11-21/20/there-is-no-proof-that-neonicotionoids-harm-honeybees when-used-properly-dr-keith-ross-solomon-speaks-the-truth-2017-11-21/20/there-is-no-proof-that-neonicotionoids-harm-honeybees when-used-properly-dr-keith-ross-solomon-speaks-the-truth-2017-11-21/20/there-is-no-proof-that-neonicotionoids-harm-honeybees when-used-properly-dr-keith-ross-solomon-speaks-the-truth-2017-11-21/20/there-is-no-proof-that-neonicotionoids-harm-honeybees when-used-properly-dr-keith-ross-solomon-speaks-the-truth-2017-11-21/20/the-ross-solomon-speaks-the-truth-2017-20/the-ross-solomon-speaks-th

# Background Information



### **Honeybees Are Thriving**

According to Mr Pierre Petelle, President of CropLife Canada, concerns about bee health and neonicotinoid insecticides is NOT warranted. In fact, bees are NOT dying off in the wake of neonicotinoid insecticide use, they are actually GROWING AND THRIVING.

Why are a few bee-keepers losing their bees ?!?! The most likely cause of losses are the bee-keepers themselves. INCOMPETENT bee-keepers are killing their own hives. Observers have concluded that many bee-keepers have NO idea what they are doing, and are simply NOT skilled to raise bees. Bee-keepers are killing their own bees over and over again. Otherwise, bees are GROWING AND THRIVING. There is NO bee-pocalypse because of neonicotinoid insecticide use. There are NO plummeting of bee numbers. However, SOME bee-keepers are losing their bees over and over again simply because they are INCOMPETENT! Bees are NOT being lost because of the agricultural use of insecticides.

In the agriculture industry, neonicotinoid-treated seeds are safe and effective way to protect their crops while also minimizing exposures to beneficial insects like bees. Overall, so-called links and causes between bee colony collapse disorder and neonicotinoid insecticides are mere MYTHS! When used properly, neonicotinoid insecticides will selectively and effectively control insect pests, but are completely safe for other non-target organisms — they DO NOT harm bees, and have NO persistence beyond the season of use. Although some neonicotinoid insecticides can be toxic to bees upon direct contact ( as are many so-called green alternatives ), for decades, they have been used in a way that minimizes any potential direct exposure to bees, such as coated-seed treatment. This *Best Management Practices* ensure that the potential exposure to bees is at very low levels, far too low to cause harmful effects. Consequently, neonicotinoid insecticides will cause NO harm to bees because coated-seeds are buried in the soil, rendering the insecticides inaccessible to bees and other non-target organisms. Moreover, these insecticides systemically penetrate into the plant tissues where they remain inaccessible to bees. Bees do NOT consume plant tissues, and, therefore, are NOT harmed by neonicotinoid insecticides.

There is NO neonicotinoid crisis! Officially, the MAIN CAUSES of colony losses have been poor queens, Varroa mites, weak colonies, and weather conditions. Bee-keepers know full well that these are the PRIMARY PROBLEMS associated with bee losses, and NOT insecticides. In fact, some bee-keepers appear to be unable or unwilling to get their major pest problems under control, leading observers to conclude that bee-keepers who are losing their bees over and over again may NOT BE COMPETENT to handle their businesses, and may be WHOLY UNSUITED to be raising bees. The MYTH of disappearing bees is a political disease that can only be eradicated with the truth.

### Explore the following links ...

 $\sqrt{\ }$  FACT — Honeybee Colonies & Production Are Thriving In Canada, In America, & Around The World — LINKS

http://pesticidetruths.com/2016/11/11/there-is-no-bee-crisis-honeybee-colonies-production-are-thriving-in-canada-america-the-myths-of-bee-colony-collapse-syndrome-neonicotinoid-insecticides-do-not-harm-head

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

http://pesticidetruths.com/wp.content/uploads/2017/01/Force-Of-Nature-Myth-BUSTING-Bee-Colony-Collapse-Disorder-2013-09-16-Canada's-Honey-Yield-Is-TWICE-The-World's-Average-pdf-309-dpf1.pdf

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/

http://pesticidetruths.com/2014/08/13/neonic-pesticides-were-still-being-used-in-2013-2013-was-lowest-european-bee-less-recorded-since-2007/

http://www.scribd.com/doc/217858259/April-2014-EU-Bee-Health-Q-and-a-Bees-Thriving-MEMO-14-260-EN-1

 $\sqrt{\ }$  FACT — America's Bee Population Is The Highest Its been In Twenty Years — LINKS

http://pesticidetruths.com/2015/11/20/bee-colony-collapse-is-an-environmental-hoax-mr-ezra-levant-honeybee-numbers-at-20-year-high-2015-08-15/

http://www.therebel.media/bee\_colony\_collapse\_is\_just

 $\sqrt{\mbox{ FACT}-\mbox{Historically, Bee Crises}}$  Are Nothing New Since Heavy Losses Have Been Reported For A Long Time — LINK

http://pesticidetruths.com/2016/05/17/bee-crises-in-ancient-historical-times-the-first-evidence-for-bee-disappearances-goes-back-centuries-there-is-no-modern-bee-crisis-with-neonicotinoid-insecticides-2014-06-17/

√ FACT — Feeble-Minded Bee Conspiracy Fanatxcs Mock-React To Bee Losses As If They Were The Armenian Genocide — They Regularly Hold Lunatxc Bee Die-Ins Where They Dress Up In Bee Costumes & Lie On The Ground To Be Sprayed By Mock-Insecticide, & Give Mock-Eulogies & Hold Mock-Memorials For Dead Bees — LINKS

http://pesticidetruths.com/2019/08/12/there-is-a-bee-crisis-because-of-the-carriage of-truck-accidents-the-toxicity-of-linden-trees-feeble-minded-bee-conspiracy-Fanatoxics-are-only-crying-crocodile-lears-2015-07-31/

http://pesticidetruths.com/2016/07/02/myth bushing non-pesticide-reasons why-bee-keepers-lost bees in 2015-2016 bee-keepers are harming their own-bees and not-neuricotinoid insecticides there is no-bee-crists/

 $\sqrt{\ }$  FACT — Bee-Keepers Appear To Be Unable Or Unwilling To Get Their Major Pest Problems Under Control, Such As Varroa Mites, Leading Observers To Conclude That Bee-Keepers May NOT Be Competent To Handle Their Businesses, & May Be Wholly Unsuited To Be Raising Bees — LINKS

http://pesticidetruths.com/2013/07/29/bee-keepers-are-harming-bees and not neonicolinoid-insecticides-varroa-mites are-the-primary-problem-2013-07-09/

http://pesticidetruths.com/toc/bee-colony-collapse-disorder/

http://posticidetruths.com/2013/09/23/neonicotinoid-insecticides-are-not-killing-bees-bee-keepers-are-lying-secks-of-enti-posticide-awap-they-are-killing-their-own-bees-randy-cliver-2013-09-02/

http://pesticidetruths.com/2016/07/02/myth-busting-non-pesticide-reasons-why-bee-keepers-lost-bee-keepers-are-harming-their-own-bees-and-not-recollicidis-there-is-no-bee-crisis/



#### **Background Information**

# IPM Is #@!!% Futile & Ineffectual Nonsense

Background Information – IPM Is #@!!% Futile Nonsense

#### **IPM Practices Are Failures & Will Not Work**

Despite rigged testimonials and mock-photos, *Integrated Pest Management* (IPM) is futile nonsense and WILL NOT WORK! Sadly, IPM is promoted by those who falsely allege success, and by those who are likely concocting lies, misconceptions, and deceptions for their own nefarious personal interests. Overall, IPM is a waste of time and money for golf courses. It is impossible for golf superintendents to ensure high-quality playing conditions and aesthetics by using IPM.

Explore the link below entitled *The Failure Of Integrated Pest Management*.

Explore the following link ...

 $\sqrt{\phantom{a}}$  — The Failure Of Integrated Pest Management — LINK

http://pesticidetruths.com/toc/failure-of-integrated-pest-management/

# IPM Cannot Be Relied Upon To Properly Maintain Golf Courses

The owners of golf facilities must invest vast sums of money in order to their customers with high-quality playing conditions and aesthetics.

To manage the playing conditions, golf facility owners invest vast sums of money in the acquisition of modern and educated golf course superintendents.

Golf facility owners also invest vast sums of money for the continued education of their superintendents, through events organized by the golf industry's leaders, such as educational conferences and shows, trade association memberships, and social events where knowledge is exchanged.

What kind of knowledge is being imparted to golf superintendents ?!?!

The golf industry's leaders are telling superintendents that #@!!% futile & ineffectual Integrated Pest Management must be blindly adopted by the golf industry.

Additionally, these leaders have made commitments to government officials that superintendents will reduce pesticide use by using *Integrated Pest Management*.

Both superintendents and government officials are told that IPM-practices will reliably suppress pest populations to an acceptable level. This is WRONG!

As everyone in the golf industry knows, IPM DOES NOT WORK!

Without conventional pest control products, golf facilities become pest-infested and unplayable garbage dumps. It is impossible for superintendents to ensure high-quality playing conditions and aesthetics by relying upon #@!!% futile & ineffectual *Integrated Pest Management*. IPM is a dismal failure!

To compensate for the failure of IPM, golf industry's leaders have embarked on a ludricous effort to reduce the expectations of golf customers by promoting low-quality & garbage-dump playing conditions, as well as inferior aesthetics.

Unfortunately, it is NOT the role of golf industry's leaders to dictate expectations to golf facility owners and their playing customers!

Perhaps it is time for the owners of golf facilities to re-evaluate the money they invest for the continued education of their superintendents.

Explore the link below entitled Golf Course Owners & High-Quality Playing Conditions.

### Explore the following link ...

 $\sqrt{-}$  Golf Course Owners & High-Quality Playing Conditions — LINK

http://pesticidetruths.com/2013/11/10/gdf-course-superintendent-position-golf-facility-owners-fail-to-demand-high-quality-playing-conditions-saint-paul-golf-club-2013-11-07/

#### **IPM Provides NO Benefit**

The interpretations of *Integrated Pest Management* ( IPM ) provide NO benefit and NO scientific basis with the use of simplistic messages like « *use least toxic pesticides as a last resort* » and « *apply it only as a last resort* ». According to three scientific organizations — Weed Science Society of America ( WSSA ), American Phytopathological Society ( APS ), and Plant-Insect Ecosystems Section of the Entomological Society of America ( P-IE ESA ) — these messages are NOT the correct approaches to the pesticide component of an *Integrated Pest Management* ( IPM ) program.

Explore the link below entitled Least Toxic Pesticides Applied As A Last Resort.

### Explore the following links ...

√ — Least Toxic Pesticides Applied As A Last Resort — LINKS

http://pesticidetruths.com/wp.content/uploads/2011/12/Force-Of-Nature-FALLURE-of-IPM-2012-11-12-UPDATE-Least-Toxic-Pesticides-Applied-As-A-Last-Resort-pdf-300-dpi pdf

http://pesticidetruths.com/2012/11/20/integrated-pest-management-least-toxic-pesticides-applied-as-a-last-resort-2012-11-12/integrated-pest-management-least-toxic-pesticides-applied-as-a-last-resort-2012-11-12/integrated-pest-management-least-toxic-pesticides-applied-as-a-last-resort-2012-11-12/integrated-pest-management-least-toxic-pesticides-applied-as-a-last-resort-2012-11-12/integrated-pest-management-least-toxic-pesticides-applied-as-a-last-resort-2012-11-12/integrated-pest-management-least-toxic-pesticides-applied-as-a-last-resort-2012-11-12/integrated-pest-management-least-toxic-pesticides-applied-as-a-last-resort-2012-11-12/integrated-pest-management-least-toxic-pesticides-applied-as-a-last-resort-2012-11-12/integrated-pest-management-least-toxic-pesticides-applied-as-a-last-resort-2012-11-12/integrated-pest-management-least-toxic-pesticides-applied-as-a-last-pest-management-least-toxic-pesticides-applied-as-a-last-pest-management-least-toxic-pest-management

## IPM Does Not Excuse The Use Of Illegal Concoctions

Golf superintendents must STOP using unregistered concoctions under the false pretext that they are part of IPM-cultural-practices. Unregistered concoctions that contain compost tea, dish soap, vinegar, and phosphite are NOT legal, NOT valid, NOT effective, NOT economical, and NOT safer when compared to legally-registered conventional pest control products. Virtually all such concoctions are bogus, and often violate federal law. Moreover, it is a violation of federal law to recommend or sell or use unregistered concoctions. Additionally, preparing, storing, and using an unregistered concoction may pose risks to health and environment. Most often, an unregistered concoction is recommended by anonymous or non-expert authors who know nothing about pest control. Conventional products, such as 2,4-D and chlorothalonil, CANNOT be replaced by bogus, illegal, untested, unproven, and often dangerous concoctions!

Explore the link below entitled Violating Federal Law.

Explore the following links ...

√ — Violating Federal Law — LINK

http://pesticidetruths.com/toc/violating-federal-law/

# IPM is A Distraction From Science-Based Assessments

Golf superintendents would be better-off validating the risk assessments of conventional pest control products, which indicate that they are scientifically-safe and will cause NO harm to players, workers, and the environment.

Explore the link below entitled Pest Control Products Are Scientifically Safe.

### Explore the following links ...

 $\sqrt{-}$  Pest Control Products Are Scientifically Safe - LINKS

http://pesticidetruths.com/2014/03/01/pesticides-are-scientifically-safe-safe-to-use-less-lethal-to-humans-than-caffeine-2014-02-27/

http://pesticidetruths.com/2013/05/25/pesticides-evaluated-as-acceptable-for-continued-registration-by-health-canada-2013-03-31/

http://pesticidetruths.com/2012/10/11/posters-there-is-a-real-trend-against-pesticide-bans-victories against-terrorists-our-children-are-safe-when-pesticide-bans-are-stopped-2012-10-11/

#### **IPM Is A Distraction From Critical Issues**

Golf superintendents often focus on the ineffectual IPM as the SOLUTION to their public affairs issues concerning the use of conventional pest control products. This is WRONG!

The golf industry must vigorously embark on a massive public relations campaign to discredit IPM-cultural-practices, declaring them as dismal failures and #@!!% futile nonsense.

The golf industry must immediately STOP promoting inferior green alternative pesticides.

All so-called alternatives to conventional products must be denounced as BOGUS.

Green alternatives like nematodes, hydrogen peroxide, and compost tea DO NOT WORK, DO NOT CONTROL DAMAGING PESTS, and may even be DANGEROUS and ILLEGAL.

Explore the link below entitled Critical Issues For The Golf Industry.

### Explore the following link ...

√ — Critical Issues For The Golf Industry — LINK

http://pesticidetruths.com/toc/golf-industry-critical-issues/



### **Educating Golf Course Superintendents**

Why are the golf industry's researchers and educators wasting everyone's time on *Pollinator Best Management Practices* ( PBMP ) when more critical issues need to be addressed ?!?! The golf industry is facing a looming shipwreck of annihilation! These researchers and educators must pay more attention to the PRACTICAL EDUCATION of golf superintendents on issues such as reading a pesticide label. Superintendents are NO LONGER exempt from being horrifically fined whenever they defy the label directions for pest control products. Who cares about pollinators ?!?! Let's worry about REAL issues concerning the golf industry.

### Explore the following links ...

 $\sqrt{-}$  Violating State Law — Horrific Fines Against Golf Course Superintendents In North Carolina — LINK

http://pesticidetruths.com/2018/09/09/violating-state-law-horrific-lines-against-golf-course-superintendents-in-north-carolina-2018-07-31/

 $\sqrt{\phantom{a}}$  — The Critical Issues That Must Be Addressed By The Golf Industry ... Now — LINK

http://pesticidetruths.com/2018/06/21/the-golf-industry-is-on-a-collision-course-the-critical-issues-that-must-be-addressed-by-the-golf-industry-now-2018-06-21/

 $\sqrt{-}$  CGSA Take-Over By Golf Course Owners — Critical Issues — LINK

http://pcsticidefruths.com/2018/02/02/the-failed-cgsa-take-over-by-goll-course-curiers-why-are-cgsa-leaders-allowing-the-goll-industrys-greatest-train-wreck-crisis-2018-01-26/



### The Fake-News Target Store Parking Lot Incident In Oregon

#### Are Linden Trees Toxic To Bumblebees ?!?!

In 2013, less than 200 bee conspiracy fanatxcs gathered for a mock-funeral for a mere 50,000 bumblebees that died under some linden trees in a Target Store parking lot in the state of Oregon. The incident at the Target Store parking lot — with bee deaths equivalent to one mere hive — is alleged by bee conspiracy fanatxcs to supposedly be the largest bee kill on record. (WRONG! See later segment entitled *The Biggest Killer Of Honeybees*.) Mockeulogies were read by fanatxcs to commemorate the fallen bees, and the use of neonicotinoid insecticides was arbitrarily condemned. Is it possible that the linden trees were toxic to bumblebees ?!?!

The incident at the Target Store parking lot was so mock-traumatizing for feeble-minded bee conspiracy fanatxcs that the state of Oregon decided to impose misguided and inappropriate restrictions against the use of neonicotinoid insecticides. The cowardly and inept Oregon Department of Agriculture decided to temporarily restrict the use of 18 products that contained the active ingredient dinotefuran, a neonicotinoid insecticide.

Two years later, in 2015, when a total of 400 bumblebees were found dead in a park in Portland, Oregon — once again at the foot of some linden trees — the Oregon Department of Agriculture conducted a full-blown CSI-style investigation. [?!?!] Is it possible that the linden trees were toxic to bumblebees ?!?!

At the Target Store parking lot incident, the insecticide application DID NOT harm bees! In this incident, the bee losses cannot be the direct result of an insecticide application performed in a negligent manner. It would have been impossible for an insecticide to have harmed the bees since it was applied several months earlier. Is it possible that the linden trees were toxic to bumblebees?!?!



### **Bee-Keeper Madness**

### The Real Culprits Who Are Harming Bees Are Actually The Bee-Keepers Themselves, & NOT Insecticides

Seemingly, bee-keepers are losing their bees over and over again. Why is this madness happening ?!?! Observers have concluded that many bee-keepers have NO idea what they are doing, and are simply NOT skilled to raise bees. Bee-keepers are killing their own bees over and over again. The alleged losses of bees are, in fact, the fault of these bee-keepers and their mis-management practices. The bee-keepers themselves are clearly responsible since they appear to be unable or unwilling or not skilled enough to mitigate the real issues that harm bees, such as starvation, transportation, weak colonies, fungal infections, and mite infestations. STARVATION is biggest single cause of bee losses!

Additionally, bee-keepers are killing even more of their bees by TRUCK ACCIDENTS! Bee-keepers are not just starving their bees to death, they are also killing them with their INEPT drivers. (See next segment entitled *The Biggest Killer Of Honeybees*.)

Finally, bee-keepers prefer to remain UNPROFICIENT at bee-keeping, and expect the government to shower them with vast sums of unjustifiable compensation.

### Explore the following links ...

http://pesticidetruths.com/2018/01/20/there-is-no-proof-that-neonicotinoids-harm-honeyboos-when-used-property-dr-keith-ross-solomon-speaks-the-truth-2017-11-21/

 $\sqrt{\ }$  FACT — Seemingly, Some Bee-Keepers Prefer To Remain Incompetent At Bee-Keeping, & Expect The Government To Shower Them With Vast Sums Of Unjustifiable Compensation — LINKS

http://pestibidetruths.com/2014/04/30/premiere-kathleen-wynne-ontario-sunsets-lawn-care-industry-provides-funding-to-address-bee-loss-farms-com/

http://pesticidetruths.com/2013/08/26/honey-can-kill-children-bee-keepers-are-uneducated-and-incompetent-their-false-allegations against-insecticides serve-as-a-mere ploy-to-attract-compensation-2013-08-26/

http://pesticidetruths.com/2014/05/03/norahg-responds-to-ontario-providing-free-undeserved-money-to-incompetent-bee-keepers-2014-04-30/

 $\sqrt{\ }$  FACT — Bee-Keepers Are Harming Bees, & NOT Neonicotinoid Insecticides — Bee Colony Collapse Disorder Is The Fault Of Bee-Keepers & Their Mis-Management Practices — LINKS

http://pesticidetruths.com/2016/01/01/there is a bee-crists-only-because-bee-keepers-are-harming-their-own-bees-not-because-of-neoric atinoid-insecticides-2015-11-04-2/

http://pesticidetruths.com/toc/bee-colony-collapse-disorder/

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/

http://pesticidetruths.com/2013/07/29/bee-keepers-are-harming-bees-and-not-neonipolinoid-insecticides-varros-miles-are-the-primary-problem-2013-07-09/

http://pesticidetruths.com/2013/10/17/whats-killing-the-bees-bees-are-being-harmed-by-bee-keepers-using-illegal-products-2013-10-16/



### The Biggest Killer Of Honeybees

# Are Bee-Keepers Killing Millions Of Their Own Bees ?!?!

What is one of the BIGGEST KILLERS of honeybees ?!?! How do bee-keepers kill millions of their own bees ?!?! TRUCK ACCIDENTS! There IS a commercial honeybee crisis because of the carnage of truck accidents. How many honeybees die in truck accidents ?!?! NOT a few hundred. NOT 50,000, which is a whole hive.

Up to 20 million honeybees have died in a single truck accident!

20 million bee deaths is the largest bee kill on record by INEPT bee-keeper drivers!

Bee-keepers decimate millions and millions and millions of their own bees by driving their transport vehicles INEPTLY! Clearly, many bee-keepers are NOT competent to drive trucks, just as many more are NOT competent to manage their hives.

Bee-keepers are killing their own bees, and NOT neonicotinoid insecticides.

So why are bee conspiracy fanatxcs ignoring truck accidents that are causing the deaths of tens of millions of bees ?!?! Whenever even a few hundred bees are found dead in the urban landscape, weak-minded bee conspiracy fanatxcs mock-react to bee losses as if they were the Armenian genocide. Bee conspiracy fanatxcs even create mock-funerals and mock-memorials for the bees. Are bee conspiracy fanatxcs only crying crocodile tears ?!?! Should there NOT be more focus on transportation safety ?!?! Should there NOT be more questions about the competence of bee-keepers as truck drivers ?!?!

### Explore the following links ...

√ FACT — One Of The Biggest Killers Of Honeybees Is Inept Transportation — Bee-Keepers Lose Millions Because Of The Carnage Of Truck Accidents, With Up To 20 Million Honeybees Having Died In A Single Event — Bee-Keepers May Be Wholly Unsuited To Be Transporting Bees Themselves — LINKS

http://pesticidetruths.com/2015/08/12/there-is-a bee-crisis-because of the carrage of truck-accidents the toxicity of linden-trees-feeble minded-bee-conspiracy fanalitis are only crying cross-differences 2015-07-17

https://www.youtube.com/watch?v=2rliVixrYLw

http://pesticidetruths.com/2016/07/02/myth-bushing-non-pesticide-reasons-why-bee-keepers-lost-bees-in-2015-2016-bee-keepers-are-harming-their-own-bees and not-neonizotinoid-insecticides-there-is-no-bee-ender/



# We Speak The Whole Truth About Bee-Keeping From An Independent Perspective

We are the National Organization Responding Against HUJE that conspire to destroy the Green space and other industries ( NORAHG ). As a non-profit and independent organization, we are environmentalists who are dedicated to reporting about truth-challenged bee conspiracy fanatæcs ( HUJE ) who conspire to destroy businesses that are dependent on the use of safe and effective conventional pest control products. We also report on the work of several highly-rated leading experts who have recognized expertise, training, and background in matters concerning pest control products, and who promote environmental realism and pesticide truths.

The risk assessment of conventional pest control products indicates that they are scientifically-safe, and, when used properly, WILL NOT cause harm to children, people, animals, or the environment — there are NO harmful irreversible effects to health and environment. Not surprisingly, bee conspiracy fanatæcs have demonstrated that they are incapable of processing overwhelming scientific evidence. Should we trust these fanatæcs, who conveniently ignore scientific evidence, and attempt to impose their politicized-doctrines and twisted life-style choices against our society ?!?!

NORAHG was the brain-child of Mr William H Gathercole, one of the foremost turfgrass experts in the nation, and his colleagues in 1991. Mr Gathercole is now retired, although his name continues to appear as founder. We dare to defy the bee conspiracy fanatxcs by exploring the whole truth from an independent perspective on The Pesticide Truths Web-Site ... http://pesticidetruths.com/ If you wish to receive free reports on issues that concern you, please contact us at ... force.of.de.nature@gmail.com WILLIAM H GATHERCOLE AND NORAH G

### Explore the following library of links ...

With A Scheer Conservative Victory In The 2019 Canadian Federal Election, There Will Be NO National Prohibition Against Pest Control Products

http://pesticidetruths.com/2017/06/02/the-industry-must-support-scheers-consenatives-now-the-library-of-national-prohibition-conspiracies-2017-05-27/

The Fanatæcal Trudeau Liberal Government Is Bat-Shæt Crazy

http://pesticidetruths.com/2017/05/09/enviroiterr%D0%86r never-ends-fanal%D0%86cal trudeau-liberal government is bat sh%D0%86t crazy the suzuki alliance-golf-industry-the-library-of-terr%D0%86rism-that-will/

The Trump Administration Ends
The US EPA's Reigns Of Terrmr

http://pasticidetruths.com/2017/07/02/u-s-a-the-cra-of-trump-dismantling-the-alarmism-industry-the-end-of-u-s-agencies-reigns-of-tern%d0%b6-environmental protection-agency-ope-drain-the-swamp/

If You Do Not Vote Conservative, Then You Are A Pitiful Fool & An Imbecile



## References

- (1) Bayer Environmental Science. 2012. Canadian Merit Label
- (2) Gels, J.A., D.W. Held, & D.A. Potter. 2002. Hazards Of Insecticides To Bumble Bees
- ( 3 ) Goulson, D., E. Nicholls, C. Botias, & E.L. Rotheray. 2015. Bee Declines Driven By Combined Stress From Parasites, Pesticides, & Lack Of Flowers
- (4) Held, D.W., & D.A. Potter. 2012. Prospects For Managing Turfgrass Pests With Reduced Chemical Inputs
- (5) Klein, A.M., B.E. Vassiere, J.H. Cane, I. Steffan-Dewenter, S.A. Cunningham, C. Kremen, & T. Tscharntke. 2007. Imp
- (6) Kunkel, B.A., D.W. Held, & D.A. Potter. 2001. Lethal, & Sublethal Effects Of Bendiocarb, Halofenozide, & Imidacloprid
- (7) Larson, J.L., A.J. Keisheimer, & D.A. Potter. 2014. Pollinator Assemblages On Dandelions, & White Clover On Urban, & Suburban Lawns
- (8) Larson, J.L., C.T. Redmond, & D.A. Potter. 2015. Mowing Mitigates Bioactivity Of Neonicotinoid Insecticides
- (9) Milesi, C., C.D. Elvidge, J.B. Dietz, B.T. Tuttle, R.R. Nemani, & S.W. Running. 2005. Mapping, & Modeling
- (10) Mohney, G. 2013. More Than 25,000 Bees Die In Oregon. Accessed April 2, 2018
- (11) Stark, J.D., P.C. Jepson, & D.F. Mayer. 1995. Limitations To Use Of Topical Toxicity Data For Predictions Of Pesticide Side Effects In The Field
- ( A ) Best Management Practices For Turf Care, & Pollinator Conservation
- (B) Best Management Practices For Turf Care, & Pollinator Conservation Fast Facts
- (C) Conservation Of Native, & Domestic Pollinators In Managed Turfgrass Landscapes