



*Pollinator Stewardship Council*

P.O. Box 304, Perkinston, MS 39573

[www.pollinatorstewardship.org](http://www.pollinatorstewardship.org)

832-727-9492

March 12, 2015

Contact: Michele Colopy, Program Director

[progdirector@pollinatorstewardship.org](mailto:progdirector@pollinatorstewardship.org)

**White House Task Force Asked to Review and Re-Assess**

The Pollinator Health Task Force convened by the White House last year is scheduled to release its report early this spring. The bee industry submitted their *Input to the Pollinator Health Task Force on Certain Actions the Task Force Should Consider in Developing a Federal Strategy to Reverse Pollinator Losses and Help Restore Populations to Healthy Levels* last November during the public comment period. The Pollinator Stewardship Council supports the bee industry strategies to improve pollinator health.

- I. The Task Force should continue and expand its formal engagement with the nation's two national beekeeping, honey production and pollination services industry organizations.
- II. The Task Force should include a comprehensive pesticide risk mitigation plan, including Best Management Practices (BMPs), Pesticide Use Registries (PURs), additional research, expedited registration reviews, and improved EPA pesticide labeling in its Federal strategy to reverse honey bee losses, and help restore honey bee populations to healthy levels.
- III. The Task Force should include in its national strategy a substantial increase in resources committed to honey bee health research, and it should call for a re-focus of ongoing research on: more sustainable technologies for crop protection; more effective treatments for honey bee pests and pathogens; geographic diversification of Agricultural Research Service (ARS) laboratory locations; and more field studies of honey bees throughout the year.

*more*

*The Pollinator Stewardship Council's mission is to defend managed and native pollinators vital to a sustainable and affordable food supply from the adverse impact of pesticides.  
The Pollinator Stewardship Council is a 501(c)(3) nonprofit organization.*

*White House Task Force Asked to Review and Re-Assess-2*

- IV. The Task Force should include in its national strategy a commitment to review Federal conservation programs aimed at increasing honey bee forage, identify possible challenges posed by existing programmatic restrictions or otherwise, and establish uniform national policies on the use of public lands as well as uniform guidance and incentives aimed at substantially increasing available clean forage for commercially managed honey bees on private land.
- V. The Task Force should consider enhancing efforts to stabilize the commercial beekeeping industry while a national strategy is developed and implemented.
- VI. The Task Force should include the two national beekeeping organizations in any public-private partnerships formed to address large scale pollinator needs such as nutrition and forage, pesticide risk mitigation and longitudinal, field realistic research.

The Pollinator Stewardship Council additionally encourages the Pollinator Health Task Force to examine the chronic and acute effects of pesticides (herbicides, fungicides, insecticides, adjuvants, surfactants, and “inert” ingredients) upon the ecosystem. A predominance of these chemical products are a high risk to honey bees, specifically neonicotinoids. The Pollinator Stewardship Council would like the White House Pollinator Health Task Force to accelerate the review of neonicotinoids, enacting a moratorium (*\*definition of “moratorium” -- “a planned activity is postponed.”*) on their use until longitudinal studies have been completed, and all of the science can be reviewed to determine a full and complete science-based decision concerning their application. We encourage the Task Force to stop *registering* additional pesticide products of the neonicotinoid class of pesticides until a full review of the research is complete. According to beekeepers’ experience, and research, chemical products highly toxic to honey bees are also highly detrimental to the crop pollination services and honey crop production of beekeepers. The Pollinator Stewardship Council encourages the Task Force to work with beekeepers and the beekeeping industry to protect the health of pollinators and this valuable industry which pollinates one in three bites of America’s food.

*more*

*The Pollinator Stewardship Council’s mission is to defend managed and native pollinators vital to a sustainable and affordable food supply from the adverse impact of pesticides.  
The Pollinator Stewardship Council is a 501(c)(3) nonprofit organization.*

**Input to the Pollinator Health Task Force on Certain Actions the Task Force Should Consider in Developing a Federal Strategy to Reverse Pollinator Losses and Help Restore Populations to Healthy Levels**

<http://pollinatorstewardship.org/wp-content/uploads/2014/12/AHPA-ABF-Stakeholder-Input-to-Pollinator-Task-Force-11-23-14.pdf>

**A Survey of Imidacloprid Levels in Water Sources Potentially Frequented by Honeybees (*Apis mellifera*) in the Eastern USA**

<http://rd.springer.com/article/10.1007/s11270-014-2127-2/fulltext.html>

**Santa Barbara Creeks Division discussing the detection of imidacloprid in local water sources**

[http://santabarbara.granicus.com/MediaPlayer.php?view\\_id=26&clip\\_id=6652](http://santabarbara.granicus.com/MediaPlayer.php?view_id=26&clip_id=6652)

**‘Neonic’ Poison Found Throughout City**

**Creeks Division Testing After Rains Discovers Insecticide Fatal to Bees**

<http://www.independent.com/news/2015/feb/09/neonic-poison-found-throughout-city/>

**Safety of neonicotinoids for bees and other creatures unclear: Porter**

**The widely published ad about neonicotinoid safety goes against warnings from scientists about harm for honeybees, other insects**

<http://www.thestar.com/news/world/2015/02/06/safety-of-neonicotinoids-for-bees-and-other-creatures-unclear-porter.html>

**The neonicotinoid pesticide imidacloprid and the dithiocarbamate fungicide mancozeb disrupt the pituitary-thyroid axis of a wildlife bird**

[http://pollinatorstewardship.org/wp-content/uploads/2014/12/Pandey-and-Mohanty-2014\\_Imidacloprid-and-mancozeb-disrupt-the-pituitary-thyroid-axis-of-a-bird\\_Chemosphere.pdf](http://pollinatorstewardship.org/wp-content/uploads/2014/12/Pandey-and-Mohanty-2014_Imidacloprid-and-mancozeb-disrupt-the-pituitary-thyroid-axis-of-a-bird_Chemosphere.pdf)

**A Survey of Imidacloprid Levels in Water Sources Potentially Frequented by Honeybees (*Apis mellifera*) in the Eastern USA**

<http://rd.springer.com/article/10.1007/s11270-014-2127-2/fulltext.html>

**DATA EVALUATION RECORD**

**HONEY BEE – FIELD TESTING FOR POLLINATORS 9141-5 (OPPTS 850.3040)**

**1. CHEMICAL: Clothianidin**

[http://pollinatorstewardship.org/wp-content/uploads/2014/12/Clothianidin-EPAmemo2007\\_2.pdf](http://pollinatorstewardship.org/wp-content/uploads/2014/12/Clothianidin-EPAmemo2007_2.pdf)

**Imidacloprid-treated seed ingestion has lethal effect on adult partridges and reduces both breeding investment and offspring immunity**

[http://pollinatorstewardship.org/wp-content/uploads/2014/12/Lopez-Anita-et-al-2015\\_imidacloprid-treated-seed-ingestion-effects-on-adult-partridges-breeding-investment-and-offspring-immunity\\_EnvRes.pdf](http://pollinatorstewardship.org/wp-content/uploads/2014/12/Lopez-Anita-et-al-2015_imidacloprid-treated-seed-ingestion-effects-on-adult-partridges-breeding-investment-and-offspring-immunity_EnvRes.pdf)

**New York state bans use of clothianadin (2005)**

<http://pollinatorstewardship.org/wp-content/uploads/2014/12/new-york-state-clothianidin-letter-2005.pdf>

**Effect of pH and Type of Formulation on the Persistence of Imidacloprid in Water**

<http://pollinatorstewardship.org/wp-content/uploads/2014/12/Sarkar-et-al-1999-Effect-of-pH-and-type-of-formulation-on-the-persistence-of-IMI.pdf>

more

*The Pollinator Stewardship Council’s mission is to defend managed and native pollinators vital to a sustainable and affordable food supply from the adverse impact of pesticides.  
The Pollinator Stewardship Council is a 501(c)(3) nonprofit organization.*

**Neonicotinoid contamination of global surface waters and associated risk to aquatic invertebrates: A review**  
[http://pollinatorstewardship.org/wp-content/uploads/2014/12/Morrissey-et-al-2015\\_Review-neonicotinoids-surface-water-risk-to-aquatic-invertebrates.pdf](http://pollinatorstewardship.org/wp-content/uploads/2014/12/Morrissey-et-al-2015_Review-neonicotinoids-surface-water-risk-to-aquatic-invertebrates.pdf)

**ENVIRONMENTAL SCIENCE, The trouble with neonicotinoids, by Francisco Sánchez-Bayo, Science 14 November 2014: Vol. 346 no. 6211 pp. 806-807 DOI: 10.1126/science.1259159 Perspective**  
<http://pollinatorstewardship.org/wp-content/uploads/2014/12/The-Trouble-with-Neonics.pdf>

**A large-scale field study examining effects of exposure to clothianidin seed-treated canola on honey bee colony health, development, and overwintering success**  
<https://peerj.com/articles/652/#fig-1>

**Evaluation of seed treatment insecticides for management of the rice water weevil, *Lissorhoptrus oryzophilus* Kuschel (Coleoptera: Curculionidae), in commercial rice fields in Louisiana**  
[http://pollinatorstewardship.org/wp-content/uploads/2014/12/Hummel-et-al-2014Evaluation-of-seed-treatment-insecticides-for-management-of-rice-water-weevil-in-Loisiana\\_CropProt.pdf](http://pollinatorstewardship.org/wp-content/uploads/2014/12/Hummel-et-al-2014Evaluation-of-seed-treatment-insecticides-for-management-of-rice-water-weevil-in-Loisiana_CropProt.pdf)

**A review of the direct and indirect effects of neonicotinoids and fipronil on vertebrate wildlife**  
<http://link.springer.com/article/10.1007%2Fs11356-014-3180-5#page-2>

**Neonicotinoids interfere with specific components of navigation in honey bees**  
<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0091364>

**Assessment of the environmental exposure of honeybees to particulate matter containing neonicotinoid insecticides coming from corn coated seeds.**  
<http://www.ncbi.nlm.nih.gov/pubmed/22292570>

**Pesticide-laden dust emission and drift from treated seeds during seed drilling: a review.**  
[http://www.researchgate.net/publication/235777972\\_Pesticide-laden\\_dust\\_emission\\_and\\_drift\\_from\\_treated\\_seeds\\_during\\_seed\\_drilling\\_a\\_review](http://www.researchgate.net/publication/235777972_Pesticide-laden_dust_emission_and_drift_from_treated_seeds_during_seed_drilling_a_review)

**Neonicotinoids in bees: a review on concentrations, side-effects and risk assessment**  
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3338325/>

**Insecticides Similar to Nicotine Widespread in Midwest**  
<http://www.usgs.gov/newsroom/article.asp?ID=3941#.VDwgWxawQ9I>

**Detections of the Neonicotinoid Insecticide Imidacloprid in Surface Waters of Three Agricultural Regions of California, USA, 2010-2011**  
<http://www.ncbi.nlm.nih.gov/pubmed/22228315>

**Effect of soil application of imidacloprid on survival of adult green lacewing, *Chrysoperla carnea* (Neuroptera: Chrysopidae), used for biological control in greenhouse**  
[http://pollinatorstewardship.org/wp-content/uploads/2014/09/Rogers\\_et\\_al-2007\\_Effect-of-soil-applied-imidacloprid-on-green-lacewing-used-in-greenhouse-biological-control\\_BioCont.pdf](http://pollinatorstewardship.org/wp-content/uploads/2014/09/Rogers_et_al-2007_Effect-of-soil-applied-imidacloprid-on-green-lacewing-used-in-greenhouse-biological-control_BioCont.pdf)

**Landscape rates of soil-applied imidacloprid translocated to flowers reduces survival of *Coleomegilla*, *Hippodamia*, and *Coccinella* ladybeetles, but not *Harmonia* ladybeetles, *Danaus plexippus*, and *Vanessa cardui*, butterflies**  
<http://www.entomology.umn.edu/cues/pollinators/2013%20research%20in%20progress/2013%20June%20butterflies%20lady%20beetles.doc>

*more*

*The Pollinator Stewardship Council's mission is to defend managed and native pollinators vital to a sustainable and affordable food supply from the adverse impact of pesticides.  
The Pollinator Stewardship Council is a 501(c)(3) nonprofit organization.*

**Imidacloprid contaminates the pollen of seed-coated crops : A high risk for bees**

[PDF slideshow presented at Apimondia \(World Bee Congress\) in 2009 by Dr Bonmatin of CNRS France.](#)

**NEONICOTINOIDS: INDEX OF RELATIVE TOXICITY; WHERE DDT IS 'INDEX ONE**

[This slide was presented during the APIMONDIA World Congress,](#) in 2009 in Montpellier, France , by Dr. Bonmatin Jean-Marc, Researcher at Centre National de la Recherche Scientifique. The data was extracted from peer-reviewed literature and is well established in the scientific literature.

**No waxy residue for bees: Detecting neonicotinoid insecticides with CE-MS**

<http://www.separationsnow.com/details/ezone/147da282156/No-waxy-residue-for-bees-Detecting-neonicotinoid-insecticides-with-CE-MS.html?tzcheck=1>

**Neonic insecticides widespread in Iowa waters -study**

<http://www.reuters.com/article/2014/07/24/usa-agriculture-insecticides-study-idUSL2N0PZ1ZN20140724>

**Insecticides Similar to Nicotine Widespread in Midwest**

<http://www.usgs.gov/newsroom/article.asp?ID=3941#.U9F28UYRRes>

**Risks of large-scale use of systemic insecticides to ecosystem functioning and services**

<http://link.springer.com/article/10.1007%2Fs11356-014-3277-x#page-1>

**European Food Safety Authority: clothianidin**

<http://www.efsa.europa.eu/en/publications.htm?text=clothianidin>

**Neonicotinoids appear to have devastating effects across the natural world: we need a global moratorium.**

<http://www.monbiot.com/2014/07/15/another-silent-spring/>

**Potential Exposure of Pollinators to Neonicotinoid Insecticides from the Use of Insecticide Seed Treatments in the Mid-Southern United States.**

<http://www.ncbi.nlm.nih.gov/pubmed/25010122>

**Bee-harming 'neonicotinoid' pesticides also hurt bird populations: study**

<http://www.rawstory.com/rs/2014/07/10/bee-harming-neonicotinoid-pesticides-also-hurt-bird-populations-study/>

**Exposure to neonicotinoids influences the motor function of adult worker honeybees**

<http://link.springer.com/article/10.1007%2Fs10646-014-1283-x#page-1>

**Conclusions of the Worldwide Integrated Assessment on the risks of neonicotinoids and fipronil to biodiversity and ecosystem functioning**

[http://www.lpo.fr/images/Presse/cp/2014/impact\\_pesticides/WIA\\_The\\_following\\_is\\_a\\_summary\\_of\\_the\\_conclusions\\_chapter\\_that\\_will\\_appear\\_in\\_Environmental\\_Sciences\\_and\\_Pollution\\_Research.pdf](http://www.lpo.fr/images/Presse/cp/2014/impact_pesticides/WIA_The_following_is_a_summary_of_the_conclusions_chapter_that_will_appear_in_Environmental_Sciences_and_Pollution_Research.pdf)

**A review of the direct and indirect effects of neonicotinoids and fipronil on vertebrate wildlife**

[http://pollinatorstewardship.org/wp-content/uploads/2014/06/Gibbons-et-al\\_2014\\_Review-of-direct-and-indirect-effects-of-neonicotinoids-and-fipronil-on-vertebrate-wildlife\\_EnvSciPollRes.pdf](http://pollinatorstewardship.org/wp-content/uploads/2014/06/Gibbons-et-al_2014_Review-of-direct-and-indirect-effects-of-neonicotinoids-and-fipronil-on-vertebrate-wildlife_EnvSciPollRes.pdf)

**Systemic pesticides pose global threat to biodiversity and ecosystem services**

<http://www.iucn.org/?uNewsID=16025>

*more*

*The Pollinator Stewardship Council's mission is to defend managed and native pollinators vital to a sustainable and affordable food supply from the adverse impact of pesticides.  
The Pollinator Stewardship Council is a 501(c)(3) nonprofit organization.*

*White House Task Force Asked to Review and Re-Assess-6*

**A Critique of Dr. Richard Heintzelman, Dr. Iain D. Kelly, Dr. David L. Fischer, Dr. Christian Maus, 23 May 2012 Overview of Recent Publications on Neonicotinoids and Pollinators**

<http://beyondpesticides.org/pollinators/documents/CritiqueofHeintzelmanetalJLF.pdf>

**Harvard study points to neonics as cause of bee deaths**

<http://barrie.ctvnews.ca/harvard-study-points-to-neonicotinoids-as-cause-of-bee-deaths-1.1840869>

**New science on neonicotinoids**

<https://www.pesticideresearch.com/site/?p=10462>

[Influence of dinotefuran and clothianidin on a bee colony \(2012\) by Toshiro Yamada–Kazuko Yamada–Naoki Wada](#)

<http://pollinatorstewardship.org/wp-content/uploads/2014/07/Yamada-et-al-2012-Influence-of-dinotefuran-and-clothianidin-on-a-bee-colony-Ppn-J-Clin-Ecol-211-10-23.pdf>

**Neonicotinoid Concentrations in Arable Soils After Seed Treatment Applications in Preceding Years**

<http://onlinelibrary.wiley.com/doi/10.1002/ps.3836/abstract>

**USA finally considering action over neonicotinoids, spurred on by doubts as to whether they actually work**

2 June 2014, by Dave Goulson (University of Sussex blog)

<http://splash.sussex.ac.uk/blog/for/dg229/2014/06/02/usa-finally-considering-action-over-neonicotinoids-spurred-on-by-doubts-as-to-whether-they-actually-work>

**Scientists investigating tolerance to thiamethoxam in Mid-South**

<http://deltafarmpress.com/cotton/scientists-investigating-tolerance-thiamethoxam-mid-south>

**Neonicotinoid seed treatments and honey bee health**

<http://www.extension.org/pages/65034/neonicotinoid-seed-treatments-and-honey-bee-health#.U38wcV6aBSU>

**Environmental fate of soil applied neonicotinoid insecticides in an irrigated potato agrosystem**

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0097081>

**Purdue expert warns of potential bee kills**

<http://wlfi.com/2014/05/07/purdue-expert-warns-of-potential-bee-kills/>

**Sub-lethal exposure to neonicotinoids impaired honey bees**

**winterization before proceeding to colony collapse disorder**

<http://www.bulletinofinsectology.org/pdfarticles/vol67-2014-125-130lu.pdf>

**Analysis of Neonicotinoid Pesticides in Wetland Water and Sediments by ESI-**

**LC/MS/MS** [http://www.traceorganic.com/2013/presentations/JBailey%202013\\_WCTOW.pdf](http://www.traceorganic.com/2013/presentations/JBailey%202013_WCTOW.pdf)

**Detections of the Neonicotinoid Insecticide Imidacloprid in Surface Waters of Three Agricultural Regions of**

**California, USA, 2010–2011** <http://www.ncbi.nlm.nih.gov/pubmed/22228315>

**[Perspectives from the Prairies: Uncovering the facts about neonicotinoid insecticides on wetland ecosystems](#)**

[http://pollinatorstewardship.org/wp-content/uploads/2014/03/Morrissey\\_Pesticides-and-Prairie-wetlands\\_CWS-ppt\\_Feb-28-2014.pdf](http://pollinatorstewardship.org/wp-content/uploads/2014/03/Morrissey_Pesticides-and-Prairie-wetlands_CWS-ppt_Feb-28-2014.pdf)

*more*

*The Pollinator Stewardship Council's mission is to defend managed and native pollinators vital to a sustainable and affordable food supply from the adverse impact of pesticides.*

*The Pollinator Stewardship Council is a 501(c)(3) nonprofit organization.*

**Impaired Olfactory Associative Behavior of Honeybee Workers Due to Contamination of Imidacloprid in the Larval Stage**

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0049472>

**Macro-Invertebrate Decline in Surface Water Polluted with**

**Imidacloprid** <http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0062374>

**Beyond the Birds and the Bees: Effects of Neonicotinoids on Agriculturally Important Beneficial**

**Invertebrates** [http://www.xerces.org/wp-content/uploads/2013/09/XercesSociety\\_CBCneonics\\_sep2013.pdf](http://www.xerces.org/wp-content/uploads/2013/09/XercesSociety_CBCneonics_sep2013.pdf)

**Neonicotinoids Let Virus Thrive in Bees** <http://www.rsc.org/chemistryworld/2013/10/neonicotinoids-let-virus-thrive-bees-colony-collapse-disorder>

**Lethal and sublethal effects of imidacloprid, after chronic exposure, on the insect model *Drosophila melanogaster*** <http://pubs.acs.org/doi/abs/10.1021/es405331c>

**Chronic exposure of imidacloprid and clothianidin reduce queen survival, foraging and nectar storing in colonies of *Bombus impatiens*** <http://conservancy.umn.edu/handle/11299/160291>

**Neonicotinoid Pesticides Harm Bees' Foodgathering Ability** <http://ens-newswire.com/2014/01/29/neonicotinoid-pesticides-harm-bees-foodgathering-ability/>

**A meta-analysis of experiments testing the effects of a neonicotinoid insecticide (imidacloprid) on honey bees** <http://www.ncbi.nlm.nih.gov/pubmed/21080222>

**Field realistic doses of pesticide imidacloprid reduce bumblebee pollen foraging efficiency** <http://link.springer.com/article/10.1007%2Fs10646-014-1189-7#page-1>

**Neonicotinoid clothianidin adversely affects insect immunity and promotes replication of a viral pathogen in honey bees** <http://www.pnas.org/content/early/2013/10/18/1314923110>

**Neonicotinoid Pesticides and Honey Bees: a fact sheet**

<http://cru.cahe.wsu.edu/CEPublications/FS122E/FS122E.pdf>

**Environmental fate of neonicotinoids: a potato case**

**study** <http://www.soils.wisc.edu/extension/wcmc/2013/pap/Huseth.pdf>

**Impacts of a neonicotinoid, neonicotinoid–pyrethroid premix, and anthranilic diamide insecticide on four species of turf inhabiting beneficial insects** <http://www.ncbi.nlm.nih.gov/pubmed/24493235>

**Risk posed to honeybees (*Apis mellifera* L, Hymenoptera) by an imidacloprid seed dressing of sunflowers** <http://www.ncbi.nlm.nih.gov/pubmed/11455652>

**Field realistic doses of pesticide imidacloprid reduce bumblebee pollen foraging efficiency** <http://link.springer.com/article/10.1007%2Fs10646-014-1189-7#page-1>

**Sublethal neonicotinoid insecticide exposure reduces solitary bee reproductive success** <http://onlinelibrary.wiley.com/doi/10.1111/afe.12041/abstract>