



CAST QTA2017-1

Why Does Bee Health Matter?

The Science Surrounding Honey Bee Health Concerns and What We Can Do About It

Released June 19, 2017

Chair: Marla Spivak, University of Minnesota, Ten-member task force

Release/Rollout

On Monday, June 19, 2017, Dr. Marla Spivak, the task force chair, presented highlights and key findings of the paper in Washington, DC at three venues. The off the hill presentation was held at the National Council of Farmer Cooperatives office and was co-hosted by the Honey Bee Health Coalition. Julie Shapiro from HBHC provided the welcome and opening remarks. They then presented to House staffers at an NC-FAR Lunch-n-Learn seminar and to Senate staffers in the afternoon, and experienced record-breaking attendance. There were about 170 attendees at the 3 seminars.

In-kind Contributions: 260 volunteer hours; \$19,240 monetary value

Press Release (results two weeks after release)

- Press release went to 9,886 e-contacts (4,450 media) resulting in 3,523 opens/interactions
- 224,982 headline impressions, and 192 total pickups on [press release through PRWeb](#).
- A sampling of sites where the release was picked up: Agrow, AgriMarketing, Agri-Pulse, APG Editorial, AquaCulture Talent, Bee Culture (The Magazine of Beekeeping), Bio-Medicine, EIN Presswire, Global Warming News Today, High Plains/Midwest AG Journals, HortiDaily, Iowa State University—College of Agriculture and Life Sciences Online Issue: 957, National Coalition for Food and Agricultural Research, Nebraska Beekeepers Association, Newsletter of The North Central Integrated Pest Management Center, Research Reports News Today, SeedWorld, and Southern Crop Production Association

Comments Received

From Questionnaire sent to Attendees: Shared internally with more than 200 colleagues, Used in presentations externally, Used publication to supplement information developed at USDA during discussions of pollinator policy

Follow-On Activities

- Video of Dr. Spivak’s presentation and slides posted on CAST website and YouTube. [Click here to view](#). (685 views as of 6/19/2019)

Paper Distribution

- Issue Paper Downloads—6 months after release: 4,074; 1 year: 6,122; 18 months: 6,275; 2 years: 10, 146

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- Ag quickCAST Downloads—6 months after release: 1,490; 1 year: 1,739; 18 months: 1782; 2 years: 3,218

Indirect Paper Distribution

Colorado Department of Agriculture, accessed July 5, 2017, Apiary Program Page (link to PDF)

<https://www.colorado.gov/pacific/agplants/apiary-program-page>

Honey Bee Health Coalition, June 21, 2017 (link to paper)

CAST Paper—The HBHC provided direct and in-kind support to CAST to produce a paper summarizing the latest science related to declines in bee health. The paper, released in June 2017, discusses methods used to document colony losses, recommendations for research, and suggestions for beekeepers, land managers, crop producers, homeowners, and policymakers to engage in helping to ultimately restore healthy populations of honey bees and other pollinators.

<http://honeybeehealthcoalition.org/tools-and-resources/>

Honey Bee Health Coalition, December 19, 2017 (link to paper)

Looking Ahead to a New Year, New Initiatives to Support Honey Bee Health, Posted by Mike Saccone

<https://honeybeehealthcoalition.org/looking-ahead-to-a-new-year-new-initiatives-to-support-honey-bee-health/>

Honey Bee Lab, Texas A&M University (link to paper)

<https://honeybeelab.tamu.edu/beekeeper-resources/bee-removal-and-sample-submission/beekeeper-links/>

MDAR (Massachusetts Department of Agricultural Resources) Apiary Program - Additional Resources (link to paper) <https://www.mass.gov/lists/mdar-apiary-program-additional-resources>

Midwestern Bee Keepers, accessed 6/13/18 (PDF link)

<http://www.midwesternbeekeepers.org/resources/articles-information-and-meeting-handouts/>

National Coalition for Food and Agricultural Research, June 19, 2017 (link to video)

http://www.ncfar.org/Hill_Seminar_Series_2017.asp

Philadelphia Society for Promoting Agriculture, 6/13/18 (link to paper)

<https://conservancy.umn.edu/handle/11299/197606>

Research Gate (PDF available for download)

Accessed: September 21, 2017

https://www.researchgate.net/publication/317600225_Why_Does_Bee_Health_Matter_The_Science_Surrounding_Honey_Bee_Health_Concerns_and_What_We_Can_Do_About_It

Southern Crop Production Association, accessed 6/13/18 (link to paper)

<http://www.southcrop.org/hill-pollinator-health/why-does-bee-health-matter-the-science-surrounding-honey-bee-health-concerns-and-what-we-can-do-about-it/>

Texas A&M Honeybee Lab, accessed 6/13/18 (link to paper)

<https://honeybeelab.tamu.edu/beekeepingfaq/beekeeper-links/>

University of Maine, Cooperative Extension (link to paper)

<https://extension.umaine.edu/blueberries/factsheets/bees/>

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University of Minnesota, Bee Lab, Publications of Interest to Beekeepers, August 7, 2017

<https://www.beelab.umn.edu/honey-bees/research/publications>

University of Minnesota Libraries Digital Conservancy, accessed 6/13/18 (link to PDF)

<https://conservancy.umn.edu/handle/11299/197606>

University of Nebraska-Lincoln, Institute of Agriculture and Natural Resources, August 7, 2017 (link to paper and video under “Beekeeping Resources”)

<http://entomology.unl.edu/bee-lab>

USDA Farm Service Agency (link to paper)

<https://www.fsa.usda.gov/programs-and-services/economic-and-policy-analysis/natural-resources-analysis/pollinators/index>

USGS Publications Warehouse (US Geologic Survey), June 19, 2017

<https://pubs.er.usgs.gov/publication/70188406>

West Plains Beekeepers Association (link to paper)

<https://www.wpbeekeepers.org/resources/links>

Articles and Web Mentions

American Council on Science and Health, Hank Campbell, June 26, 2017

Breakthrough Institute, Lead Freak Outs, And More Outreach Last Week (see #3)

<http://www.acsh.org/news/2017/06/26/breakthrough-institute-lead-freak-outs-and-more-outreach-last-week-11478>

Agree, June 20, 2017 (link to CAST news)

<http://foodandagpolicy.org/news/story/why-does-bee-health-matter-science-surrounding-honey-bee-health-concerns-and-what-we-can->

Agri-Pulse, Steve Davies, June 21, 2017

No easy answers: Bee health threatened by ‘four P’s

<https://www.agri-pulse.com/articles/9427-no-easy-answers-bee-health-threatened-by-four-ps>

Agri-Pulse Daybreak podcast June 20, 2017 (4:49 – 5:39)

https://www.agri-pulse.com/media/podcasts/109?audio_file_id=0&id_raw=109&page=38

Almond Board of California, Accessed: June 21, 2017 (paper mention in Honey Bee Health Coalitions slides)

http://www.almonds.com/sites/default/files/content/attachments/honey_bee_health_coalition_1.pdf

AugustaFreePress.com, June 24, 2017

Virginia pollinator plan aligned with national recommendations to revive honeybee population

“The Virginia Department of Agriculture and Consumer Services released its pollinator protection plan just as a task force for the Council for Agricultural Science and Technology published a commentary examining honey bee health stressors.

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Virginia's Voluntary Plan to Mitigate the Risk of Pesticides to Managed Pollinators addresses solutions to reduce the risk of pesticides to honeybees and other pollinators. The guidelines dovetail with the findings in the CAST commentary."

<http://augustafreepress.com/virginia-pollinator-plan-aligned-national-recommendations-revive-honeybee-population/>

Lancaster Farming, June 24, 2017

http://www.lancasterfarming.com/news/ag_science/va-pollinator-plan-aligns-with-national-recommendations/article_fa0fc4cc-de95-505b-9397-ce861c8befec.html

Minnesota Environmental Partnership, June 23, 2017

<https://www.mepartnership.org/insider-june-23/>

Morning Ag Clips, June 29, 2017

Get the buzz on helping honeybees, Plan aligned with national recommendations to revive bee population

<https://www.morningagclips.com/get-the-buzz-on-helping-honeybees/>

Pollinator Stewardship Council, June 23, 2017

<http://pollinatorstewardship.org/?p=5549>

Virginia Farm Bureau Federation, June 22, 2017

Va. pollinator plan aligned with national recommendations to revive honeybee population

<https://www.vafb.com/membership-at-work/news-resources/ArticleId/2872/va-pollinator-plan-aligned-with-national-recommendations-to-revive-honeybee-population>

Paper Citations

Beekeeper stewardship, colony loss, and Varroa destructor management, November 24, 2018, Christopher Thoms, Kristen Nelson, Andrew Kubas, Nathalie Steinhauer, Michael Wilson, Dennis vanEngelsdorp

<https://link.springer.com/article/10.1007/s13280-018-1130-z>

Emerging Themes from the ESA Symposium Entitled "Pollinator Nutrition: Lessons from Bees at Individual to Landscape Levels," November 7, 2018, Vanessa Corby-Harris, Julia H. Bowsher, Morgan Carr-Markell, Mark J. Carroll, Mary Centrella, Steven C. Cook

<https://www.tandfonline.com/doi/abs/10.1080/0005772X.2018.1535951?journalCode=tbee20>

Honey Bee Colony Stressors, October 18, 2017 by Charlie Heuvel

<http://bg-bees.com/2017/10/18/honey-bee-colony-stressors/>

HONEY BEES SAVE THE BEES, Tina Epp and Heather VanderLeest, September 21, 2017

<https://clas.uiowa.edu/socialwork/sites/clas.uiowa.edu.socialwork/files/Honey%20Bees.pdf>

The influence of spatiotemporally decoupled land use on honey bee colony health and pollination service delivery, August 2018, Matthew D Smart, Clint Otto, Benjamin Carlson, Cali Roth

<http://iopscience.iop.org/article/10.1088/1748-9326/aad4eb/meta>

Minute Earth, University of Minnesota

<http://newsvideo.su/tech/video/268234>

Past Role and Future Outlook of the Conservation Reserve Program for Supporting Honey Bees in the Great Plains, July 17, 2018, Clint R. V. Otto, Haochi Zheng, Alisa L. Gallant, Rich Iovanna, Benjamin L. Carlson, Matthew D. Smart, and Skip Hyberg

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<https://www.pnas.org/content/115/29/7629>

The Plight of the Honeybee: a Socioecological Analysis of large-scale Beekeeping in the United States, Sociologia Ruralis, Journal of the European Society for Rural Sociology, Laurent Cilia, May 4, 2019

<https://onlinelibrary.wiley.com/doi/abs/10.1111/soru.12253>

The Science Policy Field Tour Concept: A New Platform for Communicating Science for Public Policy, Journal of Integrated Pest Management, Volume 9, Issue 1, September 28, 2018, Melissa Willrich Siebert, Rayda K Krell, Jeff Gore, Jeff Harris

<https://academic.oup.com/jipm/article/9/1/25/5107842>

The Secret Weapon That Could Help Save Bees, Video created by MinuteEarth, published October 4, 2018

<https://www.youtube.com/watch?v=tG9OKz0jsUY> (994,436 as of June 19, 2019)

Social Media

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<https://twitter.com/iEthiopia>

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<https://www.facebook.com/EPLBioAnalyticalServices/posts/1153258524820707>

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High Plains Journal @HighPlainsJrnl, Accessed: June 30, 2017
<https://twitter.com/HighPlainsJrnl/status/880827272399400960>

John A. Johnson @agpolicywonk, Accessed: June 21, 2017
<https://twitter.com/agpolicywonk/status/877507364714315777>

Lisa DeVetter @WSU_SmallFruits, Accessed: August 15, 2017
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Michigan Beekeepers' Association, June 25, 2017
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