

The Latest Buzz

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📎 4 attachments (649 KB)

Bee Post-Doc Call.pdf; Bee Student Call.pdf; 4_USFWS_Koch_PaidAd Post Doc v6 - approved.pdf; BioinformaticsDataScientist_UtahStateUniversity[26].pdf;

The Latest Buzz is Back!

Apologies for the radio silence, we've had to overcome distribution technical difficulties.

Moving forward, the [Bee Health Collective \(BHC\)](#) has offered to redistribute The Latest Buzz to ensure its delivered to your inbox. If you are having issues receiving The Latest Buzz or would like to invite others to receive the roundup, please [sign up here to receive The Latest Buzz via the BHC](#).

Roundup Overview:

- The purpose of this roundup is to share pollinator opportunities and research findings. It is not a policy forum.
- Please e-mail pollinator@usda.gov if you have items you'd like to share in the next roundup or if you'd like to opt out of receiving e-mails.
- This communication is for informational purposes only and should not be construed to represent any official USDA or U.S Government endorsement, determination, or policy.

Open Comment Periods and Research Invitations:

- [Native Seed End-User Research Survey Invitation](#), the [Northeast Seed Network](#) (NSN) intended for those that purchase or use native seed and plant materials in the NE region.
- [USDA National Agricultural Statistics Service \(NASS\) seeks public input during survey program review](#). Comments due by [January 5, 2024](#).
- [USDA Highlights Efforts to Support Specialty Crops Sector](#). USDA announced that it is initiating a new effort to further [support the U.S. specialty crops sector](#) and increase the competitiveness of its products. A new Specialty Crops Resource Directory gathers information on USDA resources and services for specialty crops producers and businesses. Over the next several months, USDA leadership will engage directly with the specialty crop industry and producers to gain feedback on how the Department can better address gaps in services and better meet the industry's needs. USDA encourages U.S. specialty crops stakeholders to submit comments by [March 8, 2024](#).
- [U.S. Environmental Protection Digital Pesticide Labels](#). Intended to make labeling information clearer, more consistent, and more accessible to users. The whitepaper will be open for 120 days for comment at www.regulations.gov on docket [EPA-HQ-OPP-2023-0562](#). [Comments due March 14, 2023](#).
- [USDA Launches Initiative to Enhance Competitiveness of the U.S. Specialty Crops Industry](#). To submit a comment, visit the [Request for Information](#) posted in the Federal Register. Comments are due by March 8, 2024. A new specialty crops-dedicated webpage designed to provide information on the initiative is available at www.usda.gov/specialty-crops.

Employment and Fellowship Opportunities:

- [Research Biologist- Research Associate. USDA ARS Pollinating Insect Research Unit. Closes December 29, 2023](#) (see attached).
- [Bioinformatics Data Scientist \(Beenome 100 Project\). Utah State University. Application review begins January 2, 2023.](#) (see attached).
- [Tech III position in Pollinator Research. Cornell University, Danforth Lab. Posted December 18, open until filled.](#)
- [Assistant Curator of Lepidoptera. Florida Department of Natural History. Closes January 5, 2023.](#)
- [Post-Doc: Robbing the Poor to Feed the Rich \(the Plague\): Honey Bee Robbing Behavior and Disease Implications. USDA ARS and MSU. Application review begins January 2024](#) (see attached).
- [Full-Time Research Associate: Robbing the Poor to Feed the Rich \(the Plague\): Honey Bee Robbing Behavior and Disease Implications. USDA ARS and MSU. Application review begins January 2024](#) (see attached).
- [Director of the Office of Risk Assessment and Cost Benefit Analysis \(ORACBA\), USDA. Closes January 10, 2024.](#)
- [Assistant Professor Cohort Hire: Empowering Biodiversity for People and Planet, Insect Biodiversity and Conservation. Cornell University. Closes January 26, 2024.](#)
- [Apicultural Technician. NCSU. Closes February 1, 2024.](#) Contact David Tarpy (drtarpy@ncsu.edu) if interested.
- [Postdoctoral Associate. MSU. Closes February 1, 2024.](#)
- [Assistant Professor/ Assistant Entomologist in Agroecology and Sustainable Pest Management. UC Riverside. Next Review date; January 16, 2024.](#)
- [Honey Bee and Pollinator Health Assistant Professor. WSU. Closes January 2, 2024.](#)
- [Director of Conservation Policy. Xerces Society. Closes December 29, 2023.](#)
- [Postdoctoral Research Associate \(Social Scientist, pollinator focus\). WSU. Closes January 15, 2024.](#)
- [Indigenous Horticulturist. WSU. Closes January 31, 2024.](#)
- [Willamette Valley Pollinator Research Technician\(s\). Institute of Applied Ecology. Closes January 7, 2023.](#)
- [The Garden Club Of America Board Of Associates Centennial Pollinator Fellowship. Pollinator Partnership. Closes January 15, 2024.](#)
- [Penn State Arboretum Horticultural Internships. PSU. April-August, 2024.](#)
- [Computer and Information Science and Engineering Graduate Fellowships. NSF. Closes May 31, 2024.](#)
- [Tenure Track Faculty- Department of Biological Sciences \(Entomology\). Cal Poly Humboldt. Closes January 31, 2024.](#)
- [Northeast SARE Administrative Council Seeking Members. SARE. Closes December 31, 2023.](#)
- [Faculty Specialist – Entomology & IPM \(Full-time; Ellicott City, Maryland\) . UMD. Open until filled.](#)
- [Bee Atlas Coordinator. Rhode Island Department of Environmental Management's Division of Fish and Wildlife. Closes January 3, 2023.](#)

- [Assistant Professor/ Assistant Entomologist in Agroecology and Sustainable Pest Management](#). University of California Riverside. Next review date: January 16, 2024.
- [PhD Opportunity: Social wasps across Africa](#). University of Bristol. Closes January 9, 2024.

Funding:

- [Organic Agriculture Research and Extension Initiative](#). USDA NIFA. Closes February 15, 2024.
- [North Dakota Specialty Crop Block Grant Program](#). ND Dept. of Ag. Closes January 17, 2024.
- [Small Business Innovation Research and Small Business Technology Transfer Programs Phase II Application](#). USDA NIFA. Closes March 26, 2024.
- [Honey Bee Health Grant](#). North American Pollinator Protection Campaign (NAPPC). Closes January 19, 2024.
- [Imperiled Bombus Conservation Grant](#). North American Pollinator Protection Campaign (NAPPC). Closes January 31, 2024.
- [Cohesive Wildland Fire Management Strategy](#). USFS. Closes January 16, 2024.
- [2024 Acres for America Program](#). NFWF. Pre-Proposal Due Date: February 29, 2024.
- [2024 Alliance for Advance Climate-Smart Agriculture Pilot Grant, Minnesota](#). MN Board of Water and Soil Resources. Closes February 8, 2024.
- [USDA 1890 National Scholars Program](#). USFA OPPE. Closes March 1, 2024.
- [Emerging Frontiers in Research and Innovation \(EFRI-2024/25\)](#). NSF. Letter of Intent due January 17, 2024.
- [BLM Montana/Dakotas Environmental Quality Protection Program](#). BLM. Closes January 15, 2023.
- [FY2024 Regional Integrated Pest Management Centers Diversity, Equity, Inclusion, and Accessibility \(DEIA\) Grant Request for Applications](#). Regional IPM Centers. Anticipate 1-2 grants per region. Submissions accepted through January 31, 2024.
- [FY2024 Regional Integrated Pest Management Centers Diversity, Equity, Inclusion, and Accessibility \(DEIA\) Fellowship Program Request for Applications](#). Regional IPM Centers. Anticipate 2 fellowships per region.
- [FY2024 Regional Integrated Pest Management Centers Diversity, Equity, Inclusion, and Accessibility Mini-Grant Request for Applications](#). Regional IPM Centers. Anticipate 1-2 mini-grants per region.
- [Beginning Farmer and Rancher Development Program \(BFRDP\)](#). USDA NIFA. Closes April 27, 2023.
- [Crop Protection and Pest Management Competitive Grants Program](#). USFA NIFA. Closes February 15, 2023.
- [FY 2024 Cooperative Endangered Species Conservation Fund Traditional Conservation Grants Program](#). FWS. Closes May 3, 2024.
- [Grants for Research and Biological Inventories on Open Space Lands in Colorado](#). BCPOS. Closes January 16, 2024.
- [Making a Difference in Real-World Bioethics Dilemmas](#). Greenwall Foundation. Letters of intent due January 2, 2024.

- [NH Conservation Districts Climate Resilience Grant \(includes funding for pollinator buffer strips\)](#). NH Conservation Districts. Closes February 1, 2024.
- [Opportunities for Research and Education in the Critical-Zone](#). NSF. Closes March 1, 2024.
- [Women and Minorities in Science, Technology, Engineering, and Mathematics Fields Program](#), USDA NIFA. Closes February 9, 2024.
- [Young Farmer Grant Program](#). Chipotle and National Young Farmers Coalition. Closes January 15, 2024.
- [Broadening Participation in Computing \(BPC\) Supplemental Funding in Computer and Information Science and Engineering](#). NSF. Deadline dependent on proposal size.

Newly Awarded Funding:

- Johnson, R.M. 2023. [Developing and Deploying Novel Tools to Support Varroa Mite IPM for Enhancing Honey Bee Health for Pollinating Specialty Crops](#). USDA SCRI.
- Sagili, R. 2023. [Evaluating and Mitigating European Foulbrood Disease in Honey Bee Colonies Pollinating Specialty Crops to Enhance and Sustain Pollination](#). USDA SCRI.

New Publications:

- Fine, J.D., et al. 2023. [Trisiloxane Surfactants Negatively Affect Reproductive Behaviors and Enhance Viral Replication in Honey Bees](#). Environmental Toxicology and Chemistry. DOI: 10.1002/etc.5771
- Jütte, T., Wernecke, A., Klaus, F. *et al.* 2023. [Risk assessment requires several bee species to address species-specific sensitivity to insecticides at field-realistic concentrations](#). *Sci Rep* **13**, 22533 (2023). <https://doi.org/10.1038/s41598-023-48818-7>
- Ray, Gordon, Seeley, Rasgon, and Grozinger. 2023. [Signatures of adaptive decreased virulence of deformed wing virus in an isolated population of wild honeybees \(Apis mellifera\)](#). Proceedings of the Royal Society. <https://doi.org/10.1098/rspb.2023.1965>
- Tarbill, G.L. A.M. White, and R. Sollman. 2023. [Response of pollinator taxa to fire is consistent with historic fire regimes in the Sierra Nevada and mediated through floral richness](#). Ecology and Evolution. DOI: 10.1002/ece3.10761
- Shannon B, Jeon H, Johnson RM. 2023. [Review: the risks of spray adjuvants to honey bees](#). J Insect Sci. 2023 Nov 1;23(6):20. doi: 10.1093/jisesa/iead100. PMID: 38055940; PMCID: PMC10699877.
- Bleau N, Derome N, Giovenazzo F. 2023. [Commercial probiotic formulas Bactocell and Levucell promote spring brood production in Apis mellifera L. \(Hymenoptera: Apidae\) colonies](#). J Insect Sci. 2023 Nov 1;23(6):17. doi: 10.1093/jisesa/iead099. PMID: 38055938; PMCID: PMC10699874.
- Deneke, Yared & Daro, Bekiyad & Mekonnen, Abinet. 2023. [Review on Chalkbrood Disease of Honeybee](#). Veterinary Medicine- Open Journal. 8. 47-55.
- Ostwald, et al. 2023. [Toward a functional trait approach to bee ecology](#) (pre-print). Authorea DOI: 10.22541/au.170147014.40641171/v1

- Niklasson, M., Svensson, E., Leidenberger, S. et al. 2023. [Free-living colonies of native honey bees \(*Apis mellifera mellifera*\) in 19th and early 20th century Sweden](https://doi.org/10.1007/s10841-023-00541-4). J Insect Conserv (2023). <https://doi.org/10.1007/s10841-023-00541-4>
- Martin-Ordas, G. 2023. [Relational reasoning in wild bumblebees revisited: the role of distance](https://doi.org/10.1038/s41598-023-49840-5). *Sci Rep* **13**, 22311 (2023). <https://doi.org/10.1038/s41598-023-49840-5>
- Beshers, S.N. 2023. [Regulation of division of labor in insects: a colony level perspective](https://doi.org/10.1016/j.cois.2023.101155). Current Opinion in Insect Science. <https://doi.org/10.1016/j.cois.2023.101155>
- Fescher, N, C.P. Costa, M. Hur, J.S. Kirkwood, S.H. Woodard. 2023. [Impacts of neonicotinoid insecticides on bumble bee energy metabolism are revealed under nectar starvation](https://doi.org/10.1016/j.scitotenv.2023.169388). Science of the Total Environment. <https://doi.org/10.1016/j.scitotenv.2023.169388>
- Oddie MAY, Lanz S, Dahle B, Yañez O, Neumann P. 2023. [Virus infections in honeybee colonies naturally surviving ectoparasitic mite vectors](https://doi.org/10.1371/journal.pone.0289883). PLoS One. 2023 Dec 15;18(12):e0289883. doi: 10.1371/journal.pone.0289883. PMID: 38100484; PMCID: PMC10723705.
- Dickey M, Whilden M, Ellis JT, Rangel J. 2023. [A preliminary survey reveals that common viruses are found at low titers in a wild population of honey bees \(*Apis mellifera*\)](https://doi.org/10.1093/jisesa/iead117). J Insect Sci. 2023 Nov 1;23(6):26. doi: 10.1093/jisesa/iead117. PMID: 38098224; PMCID: PMC10721442.
- Young MG, Just J, Lee YJ, McMahon T, Gonzalez J, Noh S, Angelini DR. 2023. [Seasonally increasing parasite load is associated with microbiome dysbiosis in wild bumblebees](https://doi.org/10.1101/2023.11.30.569473). bioRxiv [Preprint]. 2023 Dec 1:2023.11.30.569473. doi: 10.1101/2023.11.30.569473. PMID: 38077090; PMCID: PMC10705496.
- Bischoff K, Baert N, McArt S. 2023. [Pesticide contamination of beeswax from managed honey bee colonies in New York State](https://doi.org/10.1177/10406387231199098). Journal of Veterinary Diagnostic Investigation. 2023;35(6):617-624. doi:10.1177/10406387231199098
- Williams NM, Buderer A, Rowe L, Ward K. 2023. [Wildflower plantings enhance nesting opportunities for soil-nesting bees](https://doi.org/10.1002/eap.2935). Ecol Appl. 2023 Dec 10:e2935. doi: 10.1002/eap.2935. Epub ahead of print. PMID: 38071699.
- Bartlett LJ, Baker C, Bruckner S, Delaplane KS, Hackmeyer EJ, Phankaew C, Williams GR, Berry JA. 2023. [No evidence to support the use of glycerol-oxalic acid mixtures delivered via paper towel for controlling *Varroa destructor* \(*Mesostigmata: Varroidae*\) mites in the Southeast United States](https://doi.org/10.1093/jisesa/iead097). J Insect Sci. 2023 Nov 1;23(6):18. doi: 10.1093/jisesa/iead097. PMID: 38055939; PMCID: PMC10699872.
- Berry JA, Braman SK, Delaplane KS, Bartlett LJ. 2023. [Inducing a summer brood break increases the efficacy of oxalic acid vaporization for *Varroa destructor* \(*Mesostigmata: Varroidae*\) control in *Apis mellifera* \(*Hymenoptera: Apidae*\) colonies](https://doi.org/10.1093/jisesa/iead085). J Insect Sci. 2023 Nov 1;23(6):14. doi: 10.1093/jisesa/iead085. PMID: 38055946; PMCID: PMC10699866.
- Fowler PD, Schroeder DC, Kevill JL, Milbrath MOG. 2023. [No impact of hygienic behavior and viral coinfection on the development of European foulbrood in honey bee \(*Apis mellifera*\) colonies during blueberry pollination in Michigan](https://doi.org/10.1093/jisesa/iead094). J Insect Sci. 2023 Nov 1;23(6):21. doi: 10.1093/jisesa/iead094. PMID: 38055945; PMCID: PMC10699875.
- Schweizer RM, Meidt CG, Benavides LR, Wilson JS, Griswold TL, Sim SB, Geib SM, Branstetter MG. 2023. [Reference genome for the Mojave poppy bee \(*Perdita meconis*\), a specialist pollinator of conservation concern](https://doi.org/10.1093/jhered/esad076). J Hered. 2023 Dec 13:esad076. doi: 10.1093/jhered/esad076. Epub ahead of print. PMID: 38088446.

- Hackmeyer EJ, Washburn TJ, Delaplane KS, Bartlett LJ. 2023. [Successful application of anthranilic diamides in preventing small hive beetle \(Coleoptera: Nitidulidae\) infestation in honey bee \(Hymenoptera: Apidae\) colonies](#). J Insect Sci. 2023 Nov 1;23(6):12. doi: 10.1093/jisesa/iead096. PMID: 38055941; PMCID: PMC10699870.
- Siopa C, Castro H, Loureiro J, Castro S. 2023. [PolLimCrop, a global dataset of pollen limitation in crops](#). Sci Data. 2023 Dec 15;10(1):905. doi: 10.1038/s41597-023-02797-6. PMID: 38102159; PMCID: PMC10724254.
- Dorey, J.B., Fischer, E.E., Chesshire, P.R. et al. 2023. [A globally synthesised and flagged bee occurrence dataset and cleaning workflow](#). Sci Data 10, 747 (2023). <https://doi.org/10.1038/s41597-023-02626-w>
- Joshua D Rinehart, Courtney C Grula, Joseph P Rinehart, Julia H Bowsher, 2023. [Nesting cavity diameter has implications for management of the alfalfa leafcutting bee \(Hymenoptera: Megachilidae\)](#), *Journal of Economic Entomology*, 2023;, toad207, <https://doi.org/10.1093/jee/toad207>
- Kasso, T.M, et al. 2023. [Beescapes%20– %20extracting%20pollen%20from%20historical%20Danish%20beeswax%20to%20explore%20honeybee%20foraging]Beescapes – extracting pollen from historical Danish beeswax to explore honeybee foraging. Palynology. <https://doi.org/10.1080/01916122.2023.2288220>

News:

- [USDA Offers Pennsylvania Producers \\$15 M to Plant Cover Crops](#). USDA NRCS News. Nov. 2, 2023.
- [‘Inert’ ingredients in pesticides may be more toxic to bees than scientists thought](#). Jennie Durant, The Conversation. December 5, 2023.
- [To Grow a Right-Sized Bee, Give It a Right-Sized Nest](#). Entomology Today, December 12, 2023.
- [British honey companies attack new EU laws](#). Yahoo News. December 19, 2023.
- [Honey Bee Larvae: Weigh to Go!](#) Bug Squad, UC ANR. December 19, 2023.
- [Court strikes down EPA approval of streptomycin as citrus pesticide](#). CIDRAP. December 19, 2023.
- [Pesticides and adjuvants disrupt honey bee's sense of smell](#). December 15, 2023. Phys.org
- [Bees face many challenges – and climate change is ratcheting up the pressure](#). The Conversation. October 13, 2023.
- [Biden-Harris Administration Partners with Ag Producers to Strengthen Agricultural Supply Chains and Lower Food Costs](#). USDA Press Release. November 27, 2023
- [Farmer Veteran Reaches Thousands Through Beekeeping](#). ATTRA Voices from the Field. November 8, 2023.
- [Eyes in the Sky: Using drones for forest monitoring](#). USFS Rocky Mountain Research Station Science Bulletin.
- [Flowers ‘giving up’ on scarce insects and evolving to self-pollinate, say scientists](#). The Guardian. December 19, 2023.
- [Wild birds lead people to honey-- and learn from them](#). Science Daily. December 7, 2023.

- [Oregon Research Improves Residual Toxicity Warnings to Benefit Bees and Growers](#). Western Integrated Pest Management Center.
- [Bee-Friendly Breakthrough: Improved Method Eases Study of Small Pollen Samples, Collected Nonlethally](#). Entomology Today.

Events, Webinars, and Trainings:

- [Pollinator Steward Certification Training 2024](#). Pollinator Partnership. [Early Bird Closes December 31, 2023](#).
- [Commercial Beekeeping Series- Queen Rearing and Package Production](#). Montana State University. [January 8-February 16, 2024](#).
- [American Beekeeping Federation \(ABF\)](#). New Orleans, LA. [January 9-13, 2024](#).
- [Louisville Beekeeping and Research Conference](#). [January 27, 2024](#).
- [Monarchs and More Network Meeting- Rights-of-Way as Habitat Working Group \(uic.edu\)](#). Austin, TX. [March 5-7, 2024](#).
- [The Use of IPM in Beekeeping to Control Parasitic Varroa Mites](#). Dr. Robyn Underwood, Penn State University. [March 11, 2024 – 11:00 AM ET](#).
- Pollinator Week. [June 17-23, 2023](#).
- [Eastern Apicultural Society](#). Turf Valley, MD. [August 5-9, 2024](#).
- [ACES: A Community on Ecosystem Services Conference](#). Austin, Texas, USA, [December 9-12, 2024](#).
- [Seed a Legacy Webinar Recording](#). Bee and Butterfly Habitat Fund.

Data Releases:

- [Updated USDA Plant Hardiness Zone Map Released](#): USDA has released an [updated Plant Hardiness Zone Map](#), the standard by which gardeners and growers can determine which plants are most likely to thrive at a location. This is the first update since 2012, and it provides increased accuracy and detail. About half of the country shifted to the next warmer half zone, compared to the 2012 map.
- [gSSURGO \(soil maps\) Database Updated](#): The databases can be downloaded for all [states and island territories](#) of the United States. Additionally, a single, large database is available for the [conterminous United States](#) (CONUS).
- [The Weeds Atlas \(ars.usda.gov | 11/16/2023\)](#): The Weeds Atlas is a tool that allows for the monitoring of weed and invasive plant activities across the United States.

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