Scan to go in the field with Dr. Diana Cox Foster and learn about drought-tolerant bee forage.

Danielle Downey, Executive Director of Project Apis m. and Dr. Diana Cox-Foster, USDA-ARS Pollinating Insect Biology, Management, Systematics Research.
Message from the Executive Director

I’m pleased to share this Annual Report covering Fiscal Year 2022-2023! It’s a snapshot of our impact on the beekeeping industry we were built to serve.

We’re best recognized for providing honey bee research grants but with your generous support, we do so much more. Our work together fuels the engine of practical solutions for beekeepers and their bees. If you ever wondered if it was possible to...

Increase available bee habitat and forage, **PAm does that.**
Improve economic bottom line for beekeepers, **PAm does that.**
Develop new pest surveillance methods, **PAm does that.**
Guarantee beekeeper priorities in research, **PAm does that.**
Digest the research so you don’t have to, **PAm does that.**
Provide training, scholarships, databases, events, bee lab infrastructure, best management practices and guides, Yes! **PAm does that, too.**

And the future looks promising!

We’re proactively rallying the industry in preparation for Tropilaelaps. Investing in on-the-ground training in Thailand, resource development for state inspectors, surveillance and treatment methods to understand the threat.

The long game of research is paying off! Research projects that we started funding years ago are reaching maturity and delivering new tools and solutions for beekeepers to the marketplace.

Our continued investment in research grants and scholarships ensures that there is a world-class workforce of researchers who not only study honey bee health, but think about practical problems that are meaningful to beekeepers.

[Signature]

Danielle Downey
Executive Director, Project Apis m.
Program Achievements
2022-2023 Fiscal Year

Over $1.6 Million Funded
Projects Spanning: Honey Bee Health (7), Nutrition (6), Stock Improvement (3), Tropilaelaps (2), Pollination & Almonds (3).

21 New Grants Awarded
PAm projects are increasing in scope and impact year over year.

Prioritizing Tropilaelaps
Led discussions, made funding available, and projects of high priority are under way.

ABF Live stream
First time remote beekeepers had access to the ABF 2023 Conference.
15,000+ Views of ABF 2023 content.

Indoor Storage Conference
200+ Beekeepers participated in our 2nd annual virtual conference.

YouTube Growth
700+ New subscribers to PAm channel delivering beekeeper resources.

Alarming Loss Response
Acted quickly to determine if sudden spring losses were regional or widespread, and supported information gathering.

Cover Crop Tour
Seeds for Bees hosted its first cover crop field day connecting growers with beekeepers over cover crop benefits.

Facility Tours
Never before seen state of the art indoor storage facilities showing pioneering all-season beekeeping practices.

Financial
July 1, 2022 - June 30, 2023. PAm keeps operating costs low with the majority of funds used for program investment.

10% Core Operating Investment
90% Program Investment

Income
Contributions $1,258,935
Program Revenue $352,649
Government Grants $199,839
Interest Income $12,509

Total Contributions $1,640,575

Expenses
Research Grants $1,491,003
Hilo Bees Research $266,720
Seeds for Bees $679,318

Total Program $2,437,041
Management & General $217,466
Fundraising $53,583

Total Expenses $2,708,090

Net Income: $884,502
End of Year Net Assets: $2,180,615
It’s not just about honeybee health. It’s about an economically healthy honeybee operation.

PAm does that!

This one-year-old queen still looks productive. Should I replace her?

Replacing queens can get expensive! Dr. Katie Lee partners with commercial beekeeper Zac Browning in a real world setting to answer that question.

Dr. Katie Lee has been following the colony health and productivity outcomes between two groups: colonies who have had new queens installed, and colonies where the year-old queen was kept in place.

Zac Browning, owner of Browning’s Honey Company, is providing Dr. Lee with over 200 colonies to study this. With the second year of PAm funding, the study is wrapping up. We can’t wait to share the answer to this question with beekeepers in 2024!
Which nutritional supplement is the best bang for the buck?

Blake Shook stood up at a research panel discussion and wondered if there was better data on the nutritional supplements that were eating up a lot of money each spring.

Bee feed is a major expense and beekeepers want data on its nutritional value.

Project Apis m. approached Blake with Vanessa’s study proposal and asked if he was willing to let Dr. Corby-Harris work with his bees. He put his money where his mouth is, and partnered with Corby-Harris’ research on the economic of nutritional supplements.

Dr. Corby-Harris is two years into a project that will help beekeepers decide if, and how, to invest in protein supplements for their bees. *Spoiler alert!* This study with these conditions showed Global Patties on top.

Dr. Vanessa Corby-Harris, USDA-ARS, Carl Hayden Bee Research Center, and Blake Shook, Commercial Beekeeper/Owner of Desert Creek Honey, partner to research pollen substitutes.

PAm does that! Scan the QR code to learn more about this project.
Grow the Impact
Support Project Apis m.

Partners
2022-2023 Fiscal Year

Beekeeper Associations
- Los Angeles County Beekeepers Assoc.
- Mount Diablo Beekeepers Assoc.
- California Bee Breeders Assoc.
- Wisconsin Honey Producers
- Texas Beekeepers Assoc.
- Portland Metro Beekeepers Assoc.
- Lane County Beekeepers Assoc.
- Tualatin Valley beekeepers Assoc.
- California Beekeepers Assoc.
- Idaho Honey Industry Assoc.
- Jersey Cape Beekeeping Assoc.

Industry
- Almond Board of California
- American Beekeeping Federation
- American Honey Producers Assoc.
- Bee and Butterfly Habitat Fund
- Bee Informed Partnership
- Bee Health Collective
- Honey Bee Health Coalition
- National Honey Board
- USDA

Funding Sources
2022-2023 Fiscal Year

- 17% Beekeepers, Growers & Researchers
- 3% Beekeeper Associations
- 8% Other Individuals
- 72% Corporate Funding

2022-2023 Fiscal Year
(Does not include pass through funds)

Scientific Advisors
- Dr. Michelle Flenniken
- Dr. Reed Johnson
- Dr. Mike Goblirsch
- Dr. Rob Currie
- Dr. Brandon Hopkins
- Dr. Marta Guarna
- Dr. Michael Simone-Finstrom

Board of Directors
- Zac Browning
  Commercial Beekeeper
- David Mendes
  Commercial Beekeeper
- Brent Barkman
  Commercial Beekeeper
- John Miller
  Commercial Beekeeper
- Mike Areed
  Commercial Beekeeper
- Russell Heitkam
  Commercial Beekeeper
- Gordon Wardell
  Professional Apiculturist
- George Hansen
  Commercial Beekeeper
- Christine Gemperle
  Commercial Almond Grower
- Gary Shilling
  Financial Advisor & Beekeeper
- Tammy Horn Potter
  Professional Apiculturist & Author

Project Apis m.
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1% FOR THE PLANET
SNAPSHOT 2013-PRESENT

78K  1,674  +156K
Acres  Growers  Honey Bee Colonies

CLEAR EVIDENCE

A rainy 2022-23 growing season provided real-time evidence of the Seeds for Bees advantage! Our growers experienced increased water infiltration, reduced erosion, and healthy cover crop stands resulting in plentiful flowers and nutrition for bees. A win-win-win for pollinators, beekeepers, and growers.

$150,000
Invested in myth-busting research about frost effects and water usage in cover crops.

20% GROWTH

Year over year, the Seeds for Bees program continues it’s 20% growth trend.

In partnership with a $45M Blue Diamond Climate Smart Grant, acreage is expected to double in the next 5 years!

Positive Feedback Loop
Increased acreage amplifies grower to grower influence adopting new management practices.

GROWING IMPACT OF SUPPLY CHAIN FUNDING

As consumer interest in sustainable products increases*, stakeholders in almond supply chain value investment in cover crops as one of the strongest climate-smart agricultural practices.

2022-2023 Grower Survey Reports

INCREASED ADOPTION

100%
Will continue to use cover crops after participating in Seeds for Bees!

IMPROVED PRACTICES

75%
Planted at the best time for honey bee benefits.

43%
Reduced or modified pesticide use.

77%
Increased engagement with pollinator Best Management Practices.

65%
Interested in Bee Friendly Farming certification or other programs.

35%
Provided drinking water for bees.

OBSERVED ADDED-VALUE

81%
Additional organic matter.

66%
Increased water infiltration.

*79% of US consumers say they support companies that act sustainably by purchasing their products and services. GfK CULTURAL TRENDS RESEARCH™
Impact

BUYING SEEDS.
BUILDING A LEGACY.

The greatest influence in adopting new management practices is grower to grower. By working one on one with growers for success, Seeds for Bees fuels a chain reaction of cover crop implementation, building exponential support for honey bees in almonds.

The legacy of the Seeds for Bees program is making forage, habitat, and sustainable practices synonymous with CA almonds.

CORPORATE PARTNERS

Costco  Barry Callebaut
Bayer Jordan’s & Ryvita
Blue Diamond Growers Flagstone Foods
Syngenta

"Seeds for Bees is an under-the-radar, secret hero for farmers who believe in the importance of soil health, of pollinators and of biodiversity-- not just for increased crop production but for the health of the planet, and for the health of our families, our neighbors and ourselves."

-Anonymous Grower

We couldn't have done it without your generous support.

Thank you

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Project Apis m. is a 501(c)5 nonprofit organization