



# Project Overview









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# Project Overview

We have successfully completed the 1st year of sampling! We would like to give a special thanks to all 163 of the Arizona Project Harvest participants for their efforts, motivation and patience throughout this research project. Altogether, 260 community members were trained, and 851 water, 137 soil, and 71 plant samples were prepared and analyzed.



#### Project narvest was designed in response to your ques

"What is the quality of harvested rainwater?"

"Is it safe to use harvested rainwater for food gardens?"

Project Harvest is a co-created environmental monitoring project that will help us to understand the quality of harvested rainwater and whether using harvested rainwater for irrigation would affect soil and plant quality. Together, we are co-generating a robust environmental monitoring dataset, while informing the safe use of harvested rainwater in communities.

**2015** Gardenroots needs assessment and community feedback inform research questions and design 2017 2018 2019 2020 2021 Comprehensive Project design Oct-Dec: Switch kits! Oct-Dec: You will Dec-Jan: receive a combined Traditional and analysis of: DIY gets LAB; Pre-surveys LAB and DIY kit for the Non-traditional data LAB aets DIY • Harvested water, soil, Kits created last sampling year. sharing events for for this sampling and plant results all! Compare/Contrast Trainings period Dec-Jan: • Learning outcomes data sharing styles Traditional & Half of you received Dec-Jan: What worked for you? a DIY kit, the other Non-traditional Traditional & data sharing events Ongoing: Learning half LAB Non-traditional Research & Evaluation data sharing events Ongoing: Learning Begin sample Research & Evaluation Ongoing: Learning collection Research & Evaluation TRAINING = Data Sharing/Eval SAMPLE COLLECTION ANALYSIS Results from this study are helping to inform future uses of harvested rainwater in Arizona

## We are asking:

- What is the quality of harvested rainwater?
- Are there contaminants of concern in harvested rainwater?
- Do these pollutants get trapped in soils?
- Do plants accumulate these pollutants?

## Equally as important, Project Harvest is doing learning research and trying to understand:

- If and how participation in this type of project enhances a participant's overall environmental health literacy?
- How will the environmental monitoring approach influence the participant's learning and understanding of the scientific method?
- How does data sharing communication style affect a participant's knowledge and efficacy?