

How Do You Attract Rare Birds and Bees to Your Garden? Add Rare Plants

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A new study found that rare pollinators flock to urban gardens with more diverse plantings.

by [Shea Swenson](#), [Modern Farmer](#)

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Rare bird and bee species do it—that is, flock more prominently to urban areas that have an abundance of rare plant species, according to a new study.

When looking into how the biodiversity of plant life in urban gardens impacts the biodiversity of species, [the study](#), conducted by Dartmouth College researchers and published in *Ecological Affairs*, showed that rare plant species often attract rare bird and bee species.

“There appears to be a cascading effect of people planting uncommon species on the accumulation of other uncommon bee and bird species,” says lead author Theresa Ong, an assistant professor of environmental studies at Dartmouth.

For the study, researchers visited 18 community gardens in Santa Clara, Santa Cruz and Monterey counties in California, over two summers in 2015 and 2017. They found that more than 50 percent of the plants in the gardens were considered rare.

Rare, in the urban sense, doesn't necessarily mean an uncommon

plant variety. Instead, in urban gardens, a “rare” plant may be one which is less common to grow in a garden, not as adapted to urban environments or has a potentially higher risk for extinction.

And these plants are bringing birds and bees into areas they may not normally frequent. The purple finch, not necessarily an uncommon bird everywhere, is one example of a species that plant species drew into urban cities—where the bird would not typically be spotted. Researchers cited urban gardens providing tree cover that city space may normally lack as one potential reason the curated gardens are attracting rare species.

Another instance of a rare plant attracting a rare species noted in the study is a plant called Bachelor’s button, a flowery ornamental plant related to the thistle aster, attracting the leafcutting bee, a pollinator whose females cut leaves neatly to craft nests for their babies.

Researchers suspect the rare plant prominence may be purposeful on the part of some urban gardeners.

The study showed that the people crafting the “rare” urban gardens are often older women. Ong theorizes that this may be, in part, due to the fact that previous research has shown that women tend to adopt more pro-environmental practices. Alternatively, she says in the study, it may be just a product of people taking pride in the landscape of their community, which often bolsters the biodiversity of a region.

Not all the plants considered rare in the study were put there on purpose, however. In fact, the research showed that a lot of the “rare plants” were actually weeds—making a case for gardeners to leave some of the otherwise unwanted growth in their gardens.

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