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The Million Orchid Project: A non-traditional approach to orchid conservation and restoration

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Ten years ago, Fairchild established the Million Orchid Project, now the largest and most successful public outreach programme focused on orchids. The programme is propagating endangered native orchids and planting them in urban areas in southern Florida and beyond. To date we have successfully planted hundreds of thousands of native orchids back into public spaces throughout South Florida with the ultimate goal of re-establishing one million plants in the region. Orchids are grown from seed in the micropropagation lab at Fairchild, with tremendous assistance from volunteers, undergraduate and graduate students, and K-12 students. Plants are also produced in The STEMLab: Fairchild's mobile micropropagation laboratory built within the frame of a decommissioned school bus. The project is unique in its scale, its focus on public spaces, and its involvement of the local community. More than 100 schools and 75 community partners have been enlisted to grow orchids in their classrooms and surrounding neighbourhoods. To date, school landscapes, parks, hospitals, and urban tree plantings have been the primary recipients of the reintroduction initiatives. At its core, The Million Orchid Project is a massive living science experiment that allows us to make important discoveries about how better to conserve orchids through propagation and develop more general strategies for rescuing rare plants within a highly developed urban environment.

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