Design a Cross-Pollination Device Sheet

Record your ideas in the following sheet.

Ask	*What is the problem you are trying to solve?* What if there were no bees? Could humans or machines step in to do the critical jobs of these great pollinators?
Brainstorm	*What are some possible solutions? Brainstorm your ideas in the space provided.* Do people pollinate flowers in the world?

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Plan	*Plan a design and create a drawing that includes all materials you may need.* Can you design clothes, equipment, or another device that could help do the job?

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Improve	*Does this solve the problem?* A bee visits around 100 flowers per foraging flight. They usually take 10 foraging flights per day and visit 1,000 flowers. That is one bee. The average honeybee colony contains 80 to 100 thousand bees. Approximately 25,000 bees from that colony forage each day. That means one colony of bees interacts with 25 million flowers per day. Do you think humans, or your design are up to the task? Is it reasonable to think that humans can do this work? What changes or conditions could make your design better?

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Share	*Share your device with others using a method of your choice.* Time to share. Make a commercial or advertisement for your new pollination services company. Convince someone to hire you based on the technology that you have developed. Make sure to use persuasive techniques like a catchy title, slogan, or even a jingle! What impact will your invention make? "Bee" convincing!