

Over the next 40 years, the population will be at 9 billion people, and to keep everyone out of a massive famine, the global food production will have to increase by 70 percent, according to the Seedstock article by Noelle Swan. Whether human civilization thrives or not, at that point in time, is dependent on agriculture. In order to produce that amount of food, we need to have pollination on the plants, so they can grow at a fast and healthy rate.

I think that agriculture is going to advance and evolve quickly, and if we want to keep up with it, we need to realize the problems we face. One large problem is that the main pollinators of the crops we grow are honey bees. These honey bees are starting to decrease more and more in recent years. Just this past winter, honey population decreased by 37.7 percent according to ABC news. Honey bees worldwide are responsible for producing 170 billion dollars in crops.

An invention that I would like to invent to help improve agriculture is a pollen solution that doesn't come from a bee, but is created in a lab. The pollen would be produced and spread a lot faster than the average bee could spread pollen. The pollen would be spread by a drone that would be labor free or by a tractor. This would keep the crop healthy and growing constantly.

If the bees were to die out, we would have to find a solution quickly because without the pollination of the crop, there is no growth for the crops. I think that this would not only solve the decreasing bee population, but help the farmer too. If the farmers all have their solution, they can spread it at the exact time they need to without having to rely on the bees. Not only that, but if they can spread the pollen by drone, then that takes a lot of manual stress off of the farmers so they can focus on something else. This pollen solution would also be safe for the environment; it wouldn't hurt any other animals, but part of the solution would be to protect against bacteria and molds, because a different problem we face are the bacteria and molds that eat away at the plants. So, having part of the solution to also be fighting the bacteria and molds, we would kill two birds with one stone.

The world of agriculture is changing every day and who knows what the next day or year looks like in the future? Hopefully, we can keep supporting and caring for our world.