

AppHarvest's Chemical Pesticide Policy

AppHarvest's indoor farm is designed to create a grow environment where people, plants, and technology work together to grow non-GMO fruits and vegetables that are free of chemical pesticides. We are farmers and futurists. Our farm's design uses "Integrated Pest Management (IPM)," taking advantage of the next generation of technology tools and extensive training of crop care specialists to ensure success.

Our IPM program includes the following approaches:

- We hire expert IPM Managers and IPM Scout Specialists, provide them with extensive training to spot, identify, and remove pests early, using the human eye to supplement IT tools.
- We provide higher wages and enhanced benefits to hire and retain talented employees, building up a strong, capable, and experienced workforce. This commitment is reinforced by our B Corp certification.
- We deploy beneficial insects, which are particularly effective at combatting pests. Parasitic wasps patrol our facility to control whiteflies, one of the most pernicious greenhouse pests. We use predatory mites against harmful spider mites and fungus gnats. We also control pests using physical traps.
- We use an automated system to control climate, water, light and nutrients, accessible continuously through mobile devices, to achieve the highest quality and grow healthy, disease-resistant plants.
- We install sophisticated sensors, high-tech cameras, and artificial intelligence to provide real-time alerts of pest and disease risks, which also allows us to predict the emergence of such issues so that we may implement preemptive protective measures.
- Otherwise, and only when necessary, we selectively use botanicals for pest control and only those defined as "acceptable products" by the independent Organic Materials Research Institute also known as the "*OMRI Products Lists*"¹

If we ever do have a pest incident that calls for intervention with toxic chemical pesticides², we will disclose it in our annual sustainability report. Our standard operating procedures specifically identify the circumstances under which we would consider using EPA-regulated chemical pesticides to address a pest incident and detail plans to ensure that we minimize any resulting harms to both consumers and employees. In such circumstances, whenever possible, we would use the pesticide with the lowest human toxicity.

¹ See <https://www.omri.org/>

² Toxic chemical pesticide is defined as a chemical pesticide with an EPA-designated Maximum Residue Level (MRL).