

AppHarvest's Integrated Pest Management Policy

AppHarvest's indoor farm is designed to create an 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)," leveraging the next generation of technology with 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 and provide them with extensive training to spot, identify, and remove pests early, using the human eye to supplement technology tools.
- We provide certified living wage jobs with 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. For example, parasitic wasps patrol our facility to control whiteflies and we use predatory mites against harmful spider mites and fungus gnats. We also control pests with physical traps.
- We use an automated system to control climate, water, light and nutrients, accessible continuously through mobile devices, to achieve the highest quality produce and to 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.
- We selectively use botanicals for pest control and, only when necessary, use pesticides defined as "acceptable products" by the independent Organic Materials Research Institute¹ also known as the "OMRI Products Lists®".

In the event of an outbreak of pests or disease, if IPM and OMRI listed substances do not appear capable of addressing an issue, we selectively use non-OMRI, EPA-registered pesticides, striving in each instance to use the substance with the lowest human toxicity and to avoid the use of any neonicotinoids. Each such use must be approved in accordance with our escalation protocols. We disclose such applications in our annual sustainability report.

¹ See <https://www.omri.org/>