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Do more with less: Industrial food and agriculture waste valorization

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Food, agriculture, and the environment are intricately connected. In order to sustain a world with a population of 9 billion people by 2050, agriculture and food processing will have to maximize resource utilization. As such, food waste can be utilized either as a soil amendment to enhance sustainable agricultural advantages, or as a sustainable energy source. ere is an ongoing e ort to reduce the use of hazardous chemicals in soil pest management, and to use instead agricultural waste amendment is one possible solution to the problem. One of the environmentally-friendly processes is anaerobic soil disinfestation (ASD), that when coupled with passive solar heating, is also known as biosolarization. We have used industrial tomato processing waste, which is a common