

Agriculture and Food

As the population expands and energy and water prices increase, food supply and food waste arise as the biggest issues facing society. The current agricultural model that relies heavily on oil and chemicals is degrading the environment and cannot be sustained. Furthermore, one-third of food produced every year goes to waste. Circular solutions are needed to make the agriculture and the entire food supply chain sustainable for a growing future.

Leasing Farm Equipment

Continually purchasing the newest farming equipment is expensive and wasteful. Leasing and sharing provide alternatives to ownership that allow for products to have an extended lifetime through reuse and higher utilization.

[Source](#)

Upcycling Food Waste

To combat food waste, some companies have begun upcycling food; taking food that would usually be thrown out and using it to make something edible. Some innovative efforts include: making condiments out of surplus or “ugly” produce, making snack bars out of the leftover grain from brewing beer, and making chips out of the leftover pulps from making vegetable juice.

[Source](#)

SMART Fertilizer Mgmt

This Israeli company has created software that allows farmers to manage their fertilizer mixes to increase crop yield and lessen environmental impact. By allowing farmers to use less fertilizer, the software saves them money in production costs while also reducing harmful fertilizer pollution. [Source](#)

Balbo Group

This company has created harvesting equipment with low pressure tires to avoid harmful compaction while simultaneously shredding by-products and returning them back to the soil. Their methods eliminate the need for chemical inputs and mechanical irrigation while increasing productivity. [Source](#)

Clarifruit

This Israeli company is battling food waste by helping people and companies test the ripeness of produce with a simple mobile application. By removing the guess-work from evaluation, produce will be picked and bought at the right time, reducing waste. [Source](#)

