

# Whole Cycle Tuesday

Weekly Newsletter  
from Agresource Inc.  
for turning waste into  
opportunity

## Final Thought

The shift toward repurposing organic residuals isn't just an environmental necessity—it's an opportunity to turn waste into valuable resources.

Embrace sustainable solutions for a brighter future!

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*"The environment is where we all meet; where we all have a mutual interest; it is the one thing all of us share."* — Lady Bird Johnson

## The Beneficial Use of Organic Residuals: Turning Waste into Resources

In today's world, sustainability is more important than ever. One often overlooked opportunity for environmental improvement is the beneficial use of organic residuals. These materials, which include food scraps, yard waste, agricultural byproducts, and biosolids, can be repurposed in ways that enhance soil health, reduce landfill waste, and support renewable energy production.

### Improving Soil Health

Organic residuals can be transformed into compost, which enriches soil by improving its structure, water retention, and nutrient content. This reduces the need for synthetic fertilizers and promotes sustainable agriculture. Compost also supports microbial diversity, enhancing plant health and resilience against disease.

### Reducing Landfill Waste and Emissions

A significant portion of waste sent to landfills consists of organic

they generate methane, a potent greenhouse gas. By diverting organic residuals to composting or anaerobic digestion facilities, we can significantly cut methane emissions and extend landfill lifespan.

### Generating Renewable Energy

Anaerobic digestion is another effective way to utilize organic residuals. This process breaks down organic matter in the absence of oxygen, producing biogas, which can be used to generate electricity or heat. The remaining digestate can be applied as a nutrient-rich soil amendment, creating a closed-loop system.

### Building a Sustainable Future

Industries, municipalities, and individuals all have roles to play in supporting organic residual recycling. By implementing composting programs, investing in anaerobic digestion, and choosing products made from recycled organic materials, we contribute to a healthier planet.

