

[insert logos] U.S. Environmental
Protection Agency
American Biogas Council
American Society of Biological
and Agricultural Engineers
Ben & Jerry's
Cabot Creamery Cooperative
Cooper Farms

CowPots
Dairy Farmers of America
Innovation Center for U.S. Dairy
Iowa State University
Marquette University
National Milk Producers Federation
National Pork Producers Council
Newtrient LLC

Smithfield Foods
Strategic Conservation Solutions
Tyson Foods
U.S. Department of Agriculture
Washington State University
Water Environment Research
Foundation
World Wildlife Fund

The Nutrient Recycling Challenge

The U.S. Environmental Protection Agency is partnering with pork and dairy producers, USDA, and environmental and scientific experts to find technologies that take nutrients from livestock waste and create valuable products.



Farmers across America are asking the question:

***“How can I manage nutrients
on my farm better
and more affordably?”***



Every year, livestock producers manage over a billion tons of animal manure containing valuable nutrients—nitrogen and phosphorus—that plants need to grow. Manure can be a resource as a renewable fertilizer, but should be used properly to minimize water pollution and build healthy soils.

There is a tremendous opportunity to generate environmental and economic benefits from manure. We could realize this potential with cost-effective technologies that extract manure's nutrients and create products that farmers could use, transport or sell more easily to where nutrients are in demand.

Scientists and engineers are building technologies that can recover nutrients, but further development is needed to make them more effective and affordable. Now is an optimal time to help cutting-edge innovations advance to the next level.

The Nutrient Recycling Challenge wants you to help us find technologies that are a win-win for the environment, farmers, and the economy.

The timeline:

Phase I:	Concept Papers	November 16, 2015 – January 15, 2016
Phase II:	Designs	Spring 2016
Phase III:	Prototypes/Proof of Concept	Summer 2016
Phase IV:	Finalists' demonstration pilots on farms	Spring 2017

The prize:

For Phase I, awards will include a total of \$20,000 in cash prizes for up to four concepts. Promising applicants will also be awarded travel funds to attend a two-day event in Washington, DC, which will include a partnering summit and event with potential investors, and entry to subsequent phases of the challenge with larger awards.

Potential awards for subsequent phases include further funding, incubation support, connections to other innovators, media and publicity, and opportunities to have technologies demonstrated on farms that supply the largest dairy and swine cooperatives and processors in the U.S.

Submissions open November 16th. For more information, visit:

www.nutrientrecyclingchallenge.org