



Nutrient Recycling Challenge DC Summit

Phase I Submissions

Information on submissions is available at www.nutrientrecyclingchallenge.org

Paper Title:	Affiliation:	Team Member(s):
A2 Digester System – Small Scale Anaerobic Digester	Organix, Inc.	Russell V. Davis
Ammonia + Recovery*	Ocean Foresters and PRD Tech, Inc.	Mark Capron and Rakesh Govind
Azolla- Biological Way of Nutrient Recovery*	Wallenberg Laboratory	Tulika Arora
BIDA® System – Onsite Biological Wastewater Filtration	Organix, Inc.	Russell V. Davis
Biological Nutrient Recovery with <i>Hermetia illucens</i>	Bestico B.V. Koppert Biological Systems	Jan Kofahl
Black Soldier Fly Swine and Dairy Waste Treatment	Nutrient Savers Barnyard Industries	Simon Gregg
Cito Enterprises, Inc.	Cito Enterprises, Inc.	Clifford Owen
Complete Resource Recovery: C, N, P, K, & Metals	Ocean Foresters	Mark Capron
Deposition of Manure Nutrients in a Mycoalgae Biofilm	University of Minnesota	Aravindan Rajendran, Jing Gan, and Bo Hu
DVO, Inc. Advanced Phosphorus Recovery System*	DVO, Inc.	Doug VanOrnum
Electrolytic Oxidation of Dairy Effluent-Sweetwater	N/A	David Orlebeke
Electrolytic Oxidation of Swine Effluent	N/A	David Orlebeke
Maggot Solution	Innoen Co., Ltd; Tsinghua University	Yi Yu Lai
Manure Converter**	Paulee Cleantec Ltd.	Dr. Ilan Levy and Oded Halperin
Manure Nutrients Recovery for Organic Fertilizer & Renewable Energy Solution	GSR Solutions, Inc.	Anju D. Krivov
ManurUSE: Manure Processing for Maximized Nutrient Recovery	Colsen BV	Joop Colsen

** = Winner

* = Honorable Mention

Paper Title:	Affiliation:	Team Member(s):
N-E-W Tech™: Advancing the Animal Agriculture Circular Economy	BlueXGreen, LLC University of Idaho / Washington State University	Gregory Möller
Nutrient Optimization and Cost Reduction with the LWR System	Livestock Water Recycling, Inc.	Karen Schuett and Lisa Fast
Nutrient Recycling by Lime Treatment and Precipitation of Inorganic Salts*	Power and Water Corporation, Flinders University of South Australia and KU Leuven (Belgium)	Jordan Phasey, Howard Fallowfield, and Dries Vandamme
Nutrient Recycling From Dairy Manure Made Easy	Carbon Cycle Consulting	Jason Fuller
Producing Nutrients Concentrated Bio-solids via AnSBEARs**	University of Minnesota	Hongjian Lin, Xin Zhang, and Bo Hu
PRS/Gasification - A Solution to Algal Blooms	Quasar Energy Group	Mel Kurtz
Reactor System	Reaction Energy	Dean Gokel
Recycle Nutrients from Livestock Manure and Create Valuable Products*	Trident Processes, LLC and Soil Net LLC	Kerry Doyle, Tracey Mrak, Dr. Roa-Espinosa, and Richard Shatto
Recycling Manure and Food Waste by Use of CIFOs	Permetia Envirotech, Inc.	Dr. Douglas Perednia
Removal of Dissolved N and P From Livestock Manure by Air Stripping**	Centrisys Corporation, cnp-Technology Water and Biosolids Corporation	Hiroko Yoshida, Gerhard Forstner, and Josh Gable
RePeet™ - Peat Moss Alternative From Digested Dairy Manure	Organix, Inc.	Russell V. Davis
Slurry Separation with Coanda Effect Separator**	Bravespec Systems Ltd.	Ahimbisibwe Micheal
SyreN Crystal	BioCover	Morten Toft
The Production of Renewable Low Carbon Transportation Fuels and Nutrient Concentrated By-Products Through the AWS System*	Agricultural Waste Solutions, Inc. and Scott Bros. Dairy Farms	Michael Bagtang, Bruce Scott, and Steve McCorkle
ThermChem Corporation--The Nutrient Recycling Challenge	ThermChem Corporation	Bryan G. Redd
Using Floating Resin-Based Phosphorus Collectors in Dairy Manure Lagoons	Ohio State University	Dr. Ruiqiang Liu
Zeolite Technology - An Emerging Nutrient Management Solution	Quasar Energy Group	Mel Kurtz
Zitta Biogas Re-N	RE-N TECHNOLOGY APS	Jens Tradsborg

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