

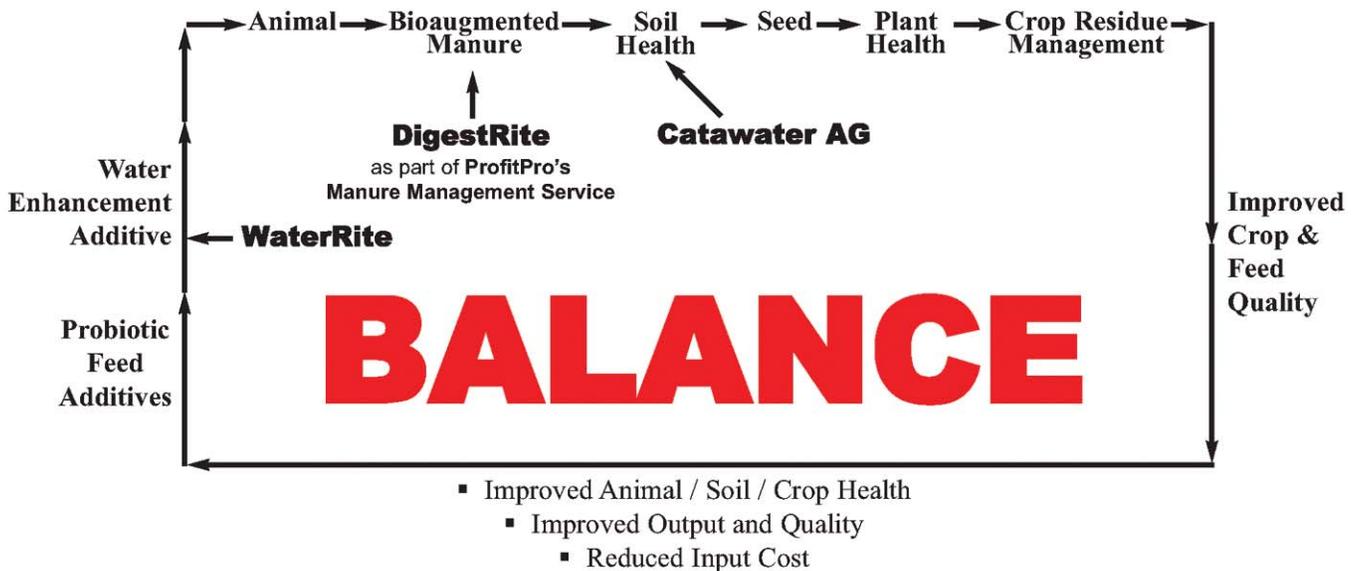
Featured Topic:

Improving Balance and Productivity in a Livestock Operation with Catawater® Technology

The Catawater technology drives the natural balancing process in water, manure and soil. The technology is based entirely on natural extracts that function in synergistic association with microorganisms, natural elements and natural processes in the environment.

The Catawater technology can be used at three points in the Full-Circle Animal, Manure and Soil-Plant System™ to achieve overall **BALANCE**. *WaterRite*™ improves water quality, *DigestRite*™ enhances manure bioaugmentation and *Catawater*® AG enhances soil biological activity and improves nutrient balance and availability. Catawater AG also improves the immune system in plants.

Full-Circle Animal, Manure and Soil-Plant System™ Solving Economic and Environmental Issues



WaterRite™

WaterRite can be injected into the drinking water to provide the following benefits:

- Boosts the immune system, improves animal vitality and health.
- Enhances libido and breed back.
- Enhances the oxygen levels in treated water.
- Balances the pH of water.
- Cleans out water lines.
- Helps eradicate the pathogens in water.
- Aids in ease of facility cleaning.
- Aids in the bioaugmentation of manure.

WaterRite™ Swine Finisher Study

\$6000 Feed Savings per Turn

- WaterRite barn versus Control barn full turn
- Both barns on microbial feed additive

Performance Parameter	WaterRite Advantage
Facility Turns:	
Days/turn	-8
Turns/year	+0.21
Performance Factors:	
Average days on feed	-6
Pounds feed/head	-49
Average daily gain	+0.02

MANURE MANAGEMENT NEWS

DigestRite™

DigestRite is a stimulant for manure bioaugmentation and is used as part of its Manure Management Service to handle the most difficult manure remediation situations. When added to liquid manure, it enhances the oxygen content and microbial activity, which accelerates the bioremediation process. It shortens the time required to completely bioaugment the manure to a non-odorous nutrient-rich solution.

DigestRite provides the following benefits when added to liquid manure:

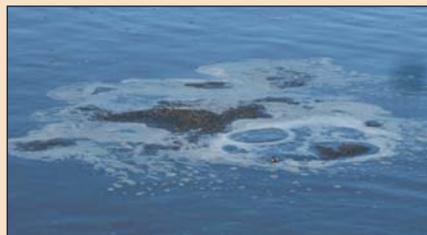
- Stimulates a faster and more complete breakdown of slurry by aerobic digestion, instead of the more common and less desirable anaerobic process.
- Overcomes the emission of odorous gases, including hydrogen sulfide, ammonia and methane gas.
- Mitigates blocked waste channels and formation of floating layers and solidified sedimentation layers.
- Produces homogeneous and free flowing slurry for improved dragline, irrigation or tank applications and a more uniform application of manure nutrients.
- Reduces the loss of ammonium nitrogen from slurry.
- Optimizes manuring effect, which activates the soil and contributes to plant nourishment.
- Creates a valuable, microbial-rich solution that results in a more balanced delivery of nutrients to the soil and plant.
- Reduces the occurrence of harmful insects and insect larvae.
- Overcomes plant scorching (reduces salt content) during field application. This allows for spring application of treated manure just ahead of spring planting without the uneven crop effect experienced with raw manure.

Example of DigestRite's Bioremediation of Manure

Swine Lagoon with Five Feet of Bottom Sludge



November 2010 Lagoon capacity loss



June 2011
Lifting anaerobic bottom sludge into an aerobic top zone for digestion



August 2011
Regaining lagoon capacity with bottom solids lifted to surface and completely digested

Dairy Lagoon with Top Solids and Bottom Sludge



June 2011
Lagoon capacity loss



Lifting anaerobic bottom sludge into an aerobic top zone for digestion



September 2011
Regaining lagoon capacity with complete digestion of top solids and bottom sludge.

Up Coming Events

Central Plains Dairy Show, Sioux Falls, SD
March 28 & 29, 2012 Booth #297

World Pork Expo, Des Moines, IA
June 6, 7 & 8, 2012 Booth TBD

FREE Manure Management Teleconference scheduled for **April 5, 2012**
from 8 to 9 pm CDT on **"Improving Balance and Productivity in Livestock Operation with Catawater Technology"**

For more information, go to manuremaster.com. Dial the toll free number 1-866-225-3498 just before 8 p.m. (CDT) and enter the security code 7159 # (pound key).

Catawater® AG

Catawater AG is a stimulant for natural soil and plant processes. It functions in a synergistic association with microorganisms, natural elements and natural processes in the environment to accelerate such functions as plant growth, mineral uptake, chemical conversion and decomposition (crop residue, manure and soil toxins).

It can be applied to soil (in-furrow or 2x2 at-plant, broadcast, sidedress or through irrigation systems), foliar or applied with in-field application of manure.

Catawater AG provides the following in-field benefits:

- Stimulates soil microbes with a natural balancing of soil nutrients, pH and improved soil aeration, structure and drainage.
- Elevates plant defense mechanisms, which improves plant health, minimizes disease, insect pressure and weather related stress.
- Helps buffer the negative side effects of pesticides including glyphosate.
- When applied to crops, it triggers an explosion of beneficial microbes on the plant foliage and soil.

Soil balancing

Catawater AG provides on-going benefits into the next year. If soil balance is desired, Catawater AG should be used continuously for a minimum of three years. If a commercial fertilizer program is used with Catawater AG, a 25 to 50 percent reduction in the application amount is suggested. The use of probiotic and/or low salt fertilizers is preferable.

Enhancing manure value in-field and crop residue decomposition

With the exception of possible supplemental nitrogen applications, Catawater AG is the only addition needed if manure is the mainstay of the plant nutrient program. It can be added directly to the manure applicator tank, injected into the dragline/irrigation system or agitated into the pit or lagoon to be applied. Catawater AG applied to crop residue will hasten the recycling process and improve soil humus and soil tilth. It will help overcome toxic effects of soil salts and pesticides including glyphosate.

Catawater® AG Iowa Field Trials

Observation on Corn

Catawater AG

- Increase rows on corn ear
- Increase ear length
- Increase health
- Green leaves to ground
- Improved stay green
- Less mold

Control

- Tip back
- Less ear length
- Less healthy than Catawater AG
- Disease issues



Bottom Line

Properly bioaugmented manure eliminates all of the undesirable issues surrounding manure storage and application. Because of the pre-digested process prior to field application (dropping salt levels and improving nutrient availability), normally a 5 to 15 percent increase in yield is realized the first year.

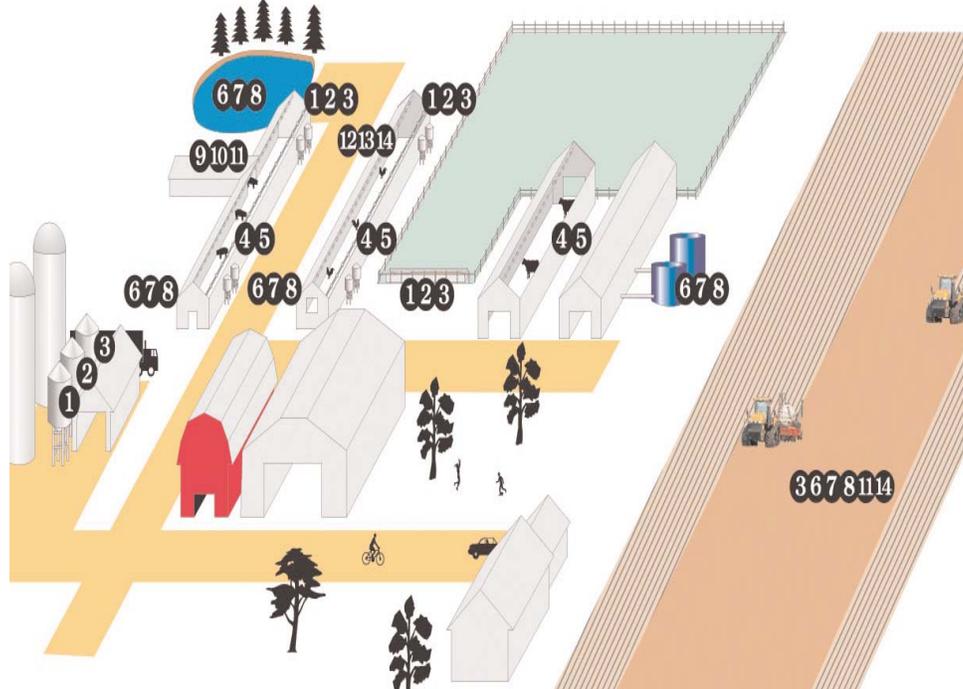
Many growers are also reducing the gallons applied per acre, which allows them to cover more acres, thus reducing commercial fertilizer cost. Another benefit growers have experienced with continuous applications of bioaugmented manure is a reduction in weed, insect and disease pressure.

Manure Management Service

If you want to eliminate your manure management issues, reduce your risk and improve the value of your manure, call ProfitPro – **The Manure Management Experts** at 1-888-875-2425 or go to manuremaster.com.

The Catawater Technology Allows you to Take a “Full-Circle”
 “Wholistic Approach” to Balance Your Farm Operation

Animal - Manure - Soil/Plant - Crop Quality



Full-Circle Animal, Manure and Soil-Plant System™



Find out more about the Full-Circle System using the Catawater Technology.
 Go to manuremaster.com or call 1-888-875-2425 for more information.



TELECONFERENCES FREE

MANURE MGMT (1st Thurs. of each month)

*Control pit/lagoon solids, odors, flies & foam
 and improve livestock performance*

- Increase manure value
- Make bioaugmentation work

AGRONOMIC (3rd Thurs. of each month)

Improve soil and crop quality and yield profitably

- Seasonal topics
- Expert guests

8:00 p.m. CST or CDT

1-866-225-3498 enter pin number **7159#** (pound key)

- Ask questions or just listen—anonymity maintained
- A courtesy to others: for background noise on your end enter *6. Enter *6 again to ask questions
- To receive **Teleconference Alerts**, e-mail your information to info@profitproag.com

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