

# Capturing Valuable Nutrients from Manure

A Three Part Series  
November 2013  
December 2013  
January 2014

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## 5 Top Reasons to Capture Nutrients

- Less than  $\frac{1}{2}$  of nutrients consumed are captured in final product
- Commercial fertilizer has become expensive
- Evidence of nutrient impaired surface and ground water
- Some nutrients (P) have a projected limited supply

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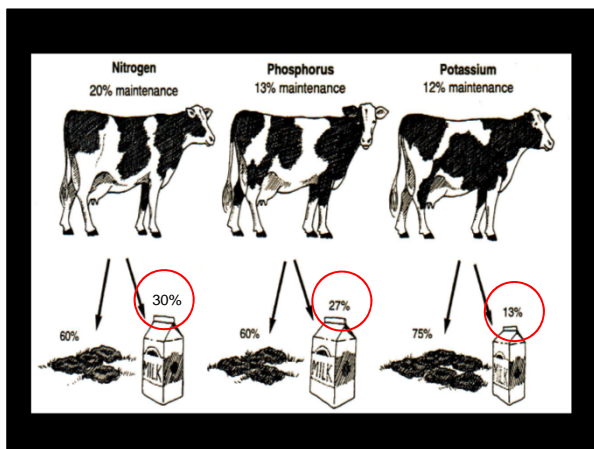
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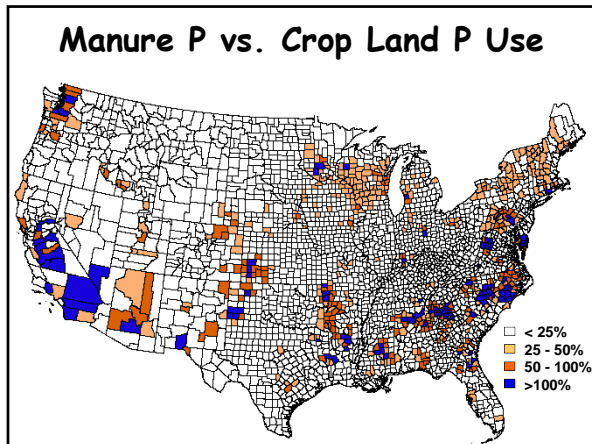
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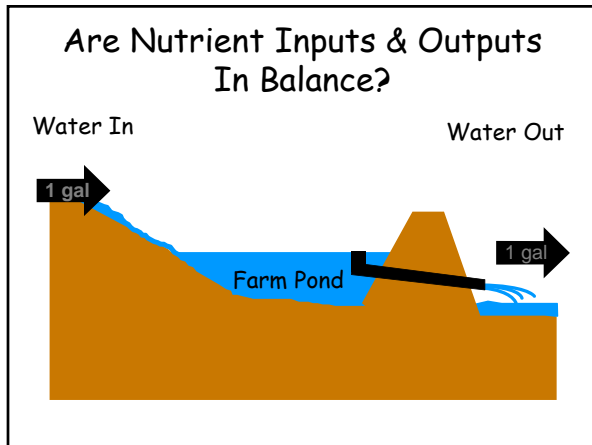
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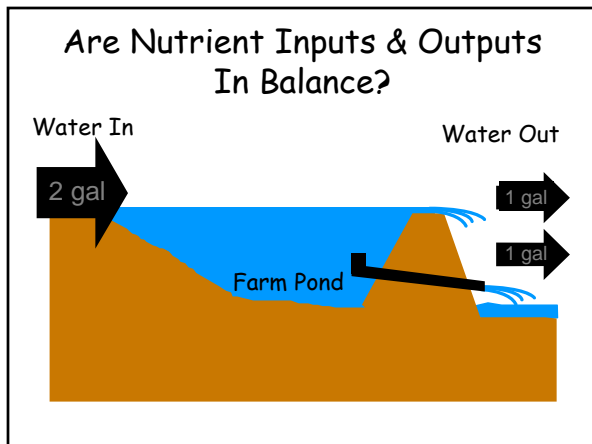
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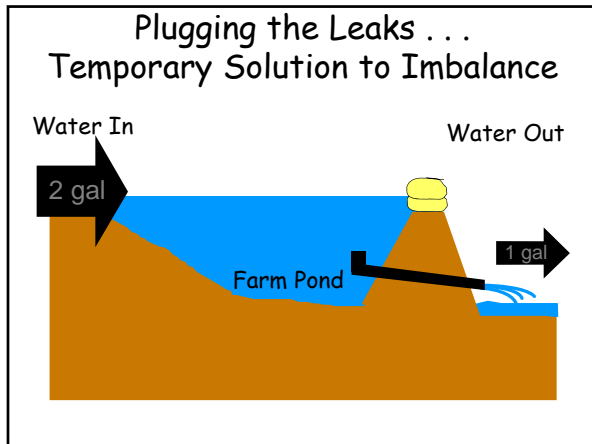
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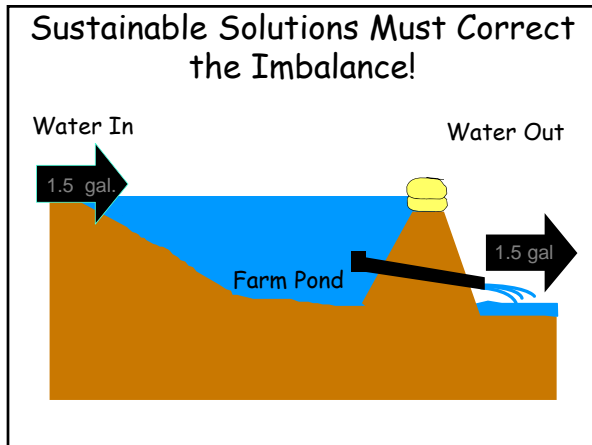
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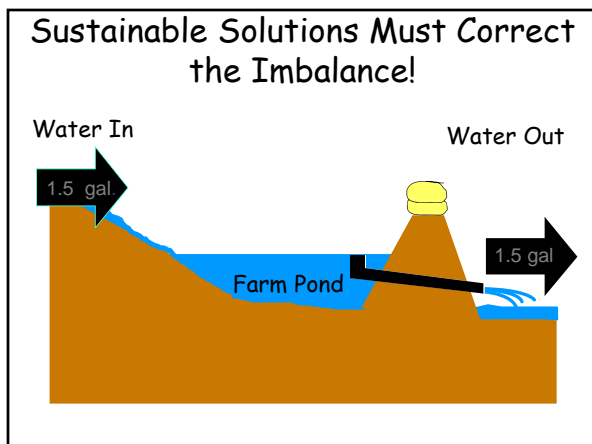
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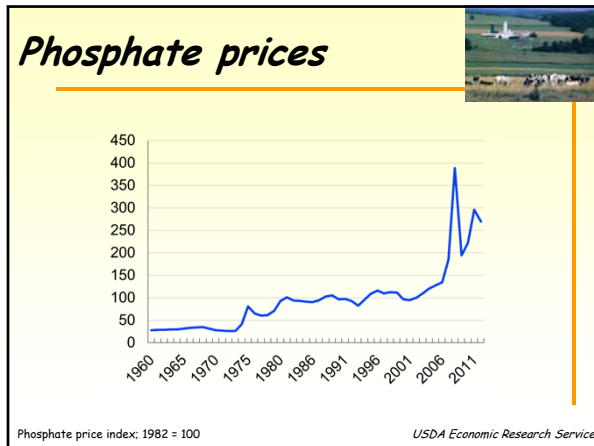
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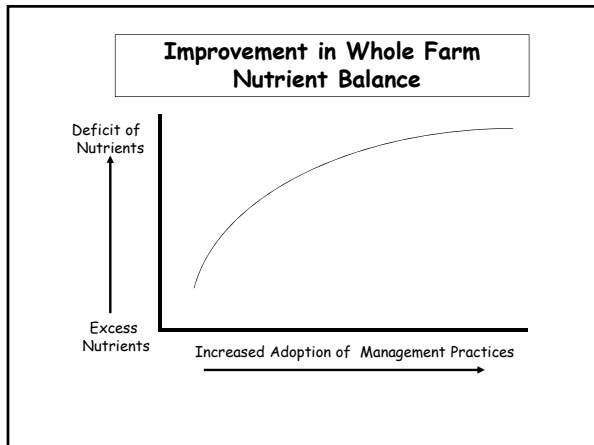
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### Technologies in Practice

November - Paul Fixen and Global Phosphorus Perspective  
Dana Kirk - P Capture Technology Methods

December - Dana Kirk - A Michigan Perspective  
Joe Harrison - P capture from dairy manure  
Craig Frear - N capture from dairy manure

January - Curt Gooch - A New York Perspective  
Brian Paulsen - Nutrient capture from swine manure  
Dan Kirk and Sasha Rollings-Scattergood - NH3 stripping

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