



# Practical Considerations Related to Implementing Technologies

Deanne Meyer, Ph.D.  
March 2024  
dmeyer@ucdavis.edu


1


## How to select the right tool










2





**Anaerobic digester** 

**Flocculants** 


**Mechanical separator**  



**Vacuum**  **and more** 








3



## What do you want to manage?



**Carbon**  


**Nitrogen or Phosphorus**  

**Form (liquid to solid)**  



4

**Process**




**Define success**


**Evaluation criteria**


5





**Compare technology claims to criteria**



**Teamwork--homework**




**Tour facilities**





6


**Tips**





**Regulatory approval**



**Build process disruption**




**Operation & maintenance**





7


**Tips**





**Replacement part availability**



**Technical assistance**



**Weather adjustments**

8



**CONTRACT**

Signature

**Read fine print**



**Financial strings?**



**CARBON CREDIT**

**??? Failure???**

UC DAVIS

UNIVERSITY OF CALIFORNIA  
Agriculture and Natural Resources

9

**Tips**



**End-product management**



**Pay attention daily to construction**




**Expect modifications**

UC DAVIS


UNIVERSITY OF CALIFORNIA  
Agriculture and Natural Resources

10


**What do you want to manage?**




**Carbon**



**Nitrogen or Phosphorus**



**Form (liquid to solid)**




UC DAVIS

UNIVERSITY OF CALIFORNIA  
Agriculture and Natural Resources

11

University of California  
Agriculture and Natural Resources  
Making a Difference for California



**HOLY COW,  
THANK YOU  
SO MUCH!**

UCCE  
University of California  
Cooperative Extension

dmeyer@ucdavis.edu

Card by Amy Krouse Rosenthal (Author), Tom Lichtenheld (Illustrator)

**Thank you!**

UC DAVIS

UNIVERSITY OF CALIFORNIA  
Agriculture and Natural Resources

12

