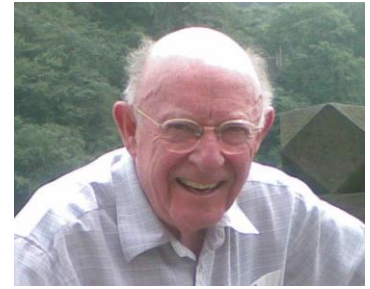




ATD Manure Systems Inc.

More Profit - Sustainably!



ATD's 2-Step System for Dairy

Objectives: Reduce costs. Increase irrigation storage. Increase flexibility.

Actions: Convert the Lagoon to a Reservoir! Capture nutrients! Recycle water!

Results: Same nutrients, less weight, less volume, less cost.

More irrigation storage, reduced aquifer demand in summer.

Now available in Canada and the USA

Step 1 (Step 2 on reverse)

All solid nutrients captured and stored above ground

Nutrient weight and volume reduced with water removed

Soil compaction reduced with lighter loads

Reservoir holds only water, no agitation needed, use when needed

Reservoir can hold more water with solids removed

Send clear water to your Reservoir or reduce freshwater demand, a daily option

Reservoir can be enlarged to hold more if/when it is available

Labor, fuel costs and GHG's of nutrient application reduced significantly.

Improve accuracy of nutrient distribution with consistent analysis.

Reduce odours by eliminating anaerobic activity and separating organics daily

Reservoir surface is a new site for solar panels. Reduce evaporation, increase sustainability.

Reduce transportation costs to and from hub digesters

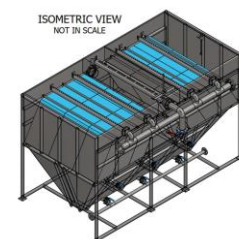
Barn air quality improved, Ammonia saved, Struvite reduced

Benefits

	Less GHG	Other
All solid nutrients captured and stored above ground	Yes	Yes
Nutrient weight and volume reduced with water removed		Yes
Soil compaction reduced with lighter loads		Yes
Reservoir holds only water, no agitation needed, use when needed		Yes
Reservoir can hold more water with solids removed		Yes
Send clear water to your Reservoir or reduce freshwater demand, a daily option		Yes
Reservoir can be enlarged to hold more if/when it is available		Yes
Labor, fuel costs and GHG's of nutrient application reduced significantly.	Yes	Yes
Improve accuracy of nutrient distribution with consistent analysis.		Yes
Reduce odours by eliminating anaerobic activity and separating organics daily		Yes
Reservoir surface is a new site for solar panels. Reduce evaporation, increase sustainability.		Yes
Reduce transportation costs to and from hub digesters	Yes	Yes
Barn air quality improved, Ammonia saved, Struvite reduced		Yes



Easily installed. Set it and forget it.
 Clarifier: 2 x 1 x 2.2m
 Press: 2.2m H, 1.7m W, 4m L
 Captures all solids. D.M. >= 30%
 Each press = 500 cows, can be extended for 3,000+ cows.

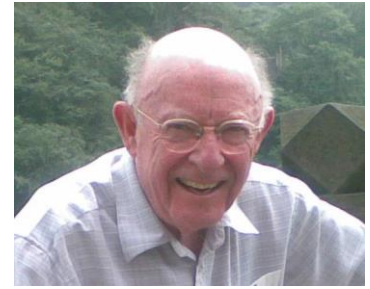


<https://www.youtube.com/watch?v=mXYdOHTAdpU&t=63s>



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ATD's Step 2 for more savings

This adds ATD's customized membrane application process to Step 1

Step 2	Benefits	
	Less GHG	Other
Capture and concentrate Ammonia and TDS	Yes	Yes
Eliminate Ammonia volatilization and increase fertilizer value		Yes
Enable hub digesters to return TDS with solids to suppliers		Yes.
Recycle clean water for barn use and store its equivalent for irrigation or offer for sale.		Yes

Adaption to Climate Change means capturing water when it is available to store in the Reservoir and reducing demand on the source in times of shortage.

Fill the Reservoir in winter knowing you can reduce barn water needs by up to 60% and have a Reservoir full for the crop.

Download and complete and return our Farm Facts Questionnaire and NDA to receive our free estimate of costs and benefits from www.dairymanure.com

Your dairy is unique, one of a kind, but let's see if we can use technology and improve returns.

For more information contact:

J. Victor Van Slyke

Tel: 1-604-736-4474 email: info@dairymanure.com





MUTUAL NON-DISCLOSURE AGREEMENT

This Agreement is made and entered into as of the last date signed below (the “Effective Date”) by and between ATD Manure Systems Inc., a corporation having its principal place of business at 3099 West 24th Ave., Vancouver, BC V6L 1R7 (“ATD”) and _____, a _____ corporation whose principal mailing address is _____ (the “Second Party”).

WHEREAS ATD and the Second Party (the “Parties”) have an interest in participating in discussions wherein either Party might share information with the other that the disclosing Party considers to be proprietary and confidential to itself (“Confidential Information”); and

WHEREAS the Parties agree that Confidential Information of a Party might include, but not be limited to that Party’s: (1) business plans, methods, and practices; (2) personnel, customers, and suppliers; (3) inventions, processes, methods, products, patent applications, and other proprietary rights; or (4) specifications, drawings, sketches, models, samples, tools, computer programs, technical information, or other related information;

NOW, THEREFORE, the Parties agree as follows:

1. Either Party may disclose Confidential Information to the other Party in confidence provided that the disclosing Party identifies such information as proprietary and confidential either by marking it, in the case of written materials, or, in the case of information that is disclosed orally or written materials that are not marked, by notifying the other Party of the proprietary and confidential nature of the information, such notification to be done orally, by e-mail or written correspondence, or via other means of communication as might be appropriate.
2. When informed of the proprietary and confidential nature of Confidential Information that has been disclosed by the other Party, the receiving Party (“Recipient”) shall, for a period of three (3) years from the date of disclosure, refrain from disclosing such Confidential Information to any contractor or other third party without prior, written approval from the disclosing Party and shall protect such Confidential Information from inadvertent disclosure to a third party using the same care and diligence that the Recipient uses to protect its own proprietary and confidential information, but in no case less than reasonable care. The Recipient shall ensure that each of its employees, officers, directors, or agents who has access to Confidential Information disclosed under this Agreement is informed of its proprietary and confidential nature and is required to abide by the terms of this Agreement. The Recipient of Confidential Information disclosed under this Agreement shall promptly notify the disclosing Party of any disclosure of such Confidential Information in violation of this Agreement or of any subpoena or other legal process requiring production or disclosure of said Confidential Information.
3. All Confidential Information disclosed under this Agreement shall be and remain the property of the disclosing Party and nothing contained in this Agreement shall be construed as granting or conferring any rights to such Confidential Information on the other Party. The Recipient shall honor any request from the disclosing Party to promptly return or destroy all copies of Confidential Information disclosed under this Agreement and all notes related to such Confidential Information. The Parties agree that the disclosing Party will suffer irreparable injury if its Confidential Information is made public, released to a third party, or otherwise disclosed in breach of this Agreement and that the disclosing Party shall be entitled to obtain injunctive relief against a threatened breach or continuation of any such breach and, in the event of such breach, an award of actual and exemplary damages from any court of competent jurisdiction.
4. The terms of this Agreement shall not be construed to limit either Party’s right to develop independently or acquire products without use of the other Party’s Confidential Information. The disclosing party acknowledges that the Recipient may currently or in the future be developing information internally, or receiving information from other parties, that is similar to the Confidential Information. Nothing in this Agreement will prohibit the Recipient from developing or having developed for it products, concepts, systems or techniques that are similar to or compete

Non-Disclosure Agreement

with the products, concepts, systems or techniques contemplated by or embodied in the Confidential Information provided that the Recipient does not violate any of its obligations under this Agreement in connection with such development.

5. Notwithstanding the above, the Parties agree that information shall not be deemed Confidential Information and the Recipient shall have no obligation to hold in confidence such information, where such information:

- (a) Is already known to the Recipient, having been disclosed to the Recipient by a third party without such third party having an obligation of confidentiality to the disclosing Party; or
- (b) Is or becomes publicly known through no wrongful act of the Recipient, its employees, officers, directors, or agents; or
- (c) Is independently developed by the Recipient without reference to any Confidential Information disclosed hereunder; or
- (d) Is approved for release (and only to the extent so approved) by the disclosing Party; or
- (e) Is disclosed pursuant to the lawful requirement of a court or governmental agency or where required by operation of law.

6. Nothing in this Agreement shall be construed to constitute an agency, partnership, joint venture, or other similar relationship between the Parties.

7. Neither Party will, without prior approval of the other Party, make any public announcement of or otherwise disclose the existence or the terms of this Agreement.

8. This Agreement contains the entire agreement between the Parties and in no way creates an obligation for either Party to disclose information to the other Party or to enter into any other agreement.

9. This Agreement shall remain in effect for a period of two (2) years from the Effective Date unless otherwise terminated by either Party giving notice to the other of its desire to terminate this Agreement. The requirement to protect Confidential Information disclosed under this Agreement shall survive termination of this Agreement.

IN WITNESS WHEREOF:

ATD MANURE SYSTEMS INC.

SECOND PARTY: _____

Signature Date

Signature Date

Printed Name

Printed Name

Title

Title



Farm Facts

Confidential

Farm name: _____ **Contact Name:** _____

Address: _____ **Email:** _____

Phone: _____

Please describe your present concerns about the farm and what you would like to see changed or improved in the next 5 years:

Data, or enter X in Estimate col for best estimate.	Est.?	Count	Yes	No	Description:
How do you collect your manure? Flush or Scrape?					
If flushing, how often do you transfer to Lagoon daily?					
Same for Heifer and Milking barns?					
Are manure solids separated for storage?					
Bedding Press installed? Capture rate? Dry Matter?					
Volume to lagoon, daily avg. Gals. Liters					
Do you pipeline lagoon pump out?					
Attach Lab analysis of flush pit contents, incl. metals TAN, pH, TS, TDS, Hardness, Metals, Ions					
Heifer count					
Milking cow count					
Robot milker used?					
Milk Stall? Free or Tied					
Source of daily water volume to Barns - City cu.m. Wells cu.m. % of daily total water					
Rain collected? Used for? % of daily total water					
Daily fresh water to drinking - cu.m. % of daily total water					
Daily fresh water to washing - cu.m.					
Daily fresh water to manure collection - cu.m.					
Annual irrigation water volume					
Attach Lab analysis drinking water					

Data, or enter X in Estimate col for best estimate.	Est.?	Count	Yes	No	Description:
Is Digester installed?					
Daily digestate discharge Cu.m.					
Attach Lab analysis of digestate, incl. metals					
Current polymer dosage/dry ton					
Attach Lab analysis of DAF effluent, incl. metals,DM					
Bedding material? Sand, manure, other?					
Minimum dry matter target					
Internet available?					
Present power available 3 ph?					
Backup generator installed?					
Field tiles installed?					
Ammonium Sulphate, Cost, to Tank or Reservoir?					
Install Step 1 - Press, Step 2 +NH3+RO					
Would you like to recycle wash water?					
Please list all cleaning/washing products used.					
Any questions?					

Please complete this form and email it to
info@dairymanure.com