

For Immediate Release

Manure Systems Inc. Introduces a Low-Cost DMS Bedding Recovery System

(ABBOTSFORD, BC, CANADA , March 14, 2011) - Manure Systems Inc of Abbotsford, BC Canada recently announced it's new ARID Bedding System. The ARID Bedding System is a dried manure solids bedding production system that recycles dairy manure into safe, dry bedding material without the use of expensive sterilization equipment. This makes the cost of the ARID Bedding System significantly less costly than competitive systems.

“An enormous amount of money is being spent on expensive sterilization equipment, but studies are showing it isn't necessary,” says Kerry Doyle, President of Manure Systems Inc. A statement that is being backed up by some important new agricultural research studies.

In June 2008, Cornell University's, Waste Management Institute published the study Manure Solids as Bedding which stated, *“Bacterial levels in used bedding are a result of bacteria in the manure of the cow and how well stalls are cleaned, rather than how “clean” the bedding is when it is put in the stall.”* Additionally, trying to create bedding that is too sterile, may even be counterproductive.



The study said, *“...those strategies that started out with “clean” bedding tended to have significantly higher levels of bacteria in used bedding, indicating the bedding may have started out too clean (i.e. no competition from other bacteria)”*.

Today, bedding material is a significant part of any healthy dairy operation both from a health and financial perspective. The ARID Bedding System's mission is to provide dairymen with safe, high-quality, low cost bedding manufactured from recycled manure using a simple, effective and affordable solution.

The ARID Bedding System uses long-lasting stainless steel equipment in a straight-forward 2-step process. Initially, using traditional collection methods, raw manure is delivered to the Trident Rotary Separator where it is conditioned by de-watering it, washing it and then separating out the fiber for dehydration. The semi-dried fiber is then delivered to a high-pressure Trident Hi-Solids screw-press, where it is squeezed to a very dry 62- 58% moisture content. The bedding is immediately ready to use. One of the key components of the system is the screw-press. *"Our super hi-quality screw-press gets the bedding material dry enough to be used immediately and by eliminating the heating or composting steps we save a lot on energy costs."*

Joe Holschbach, a dairy farmer in Manitowoc Wisconsin, recently installed an ARID system. *"We sure like what we're seeing so far. The system installed right inside the barn and is working really well."* Shaking a handful of material just made by the ARID system confirms Joe's comments, *"It takes out a lot of the fine solids and gives us just the coarse fluffy solids."*





Recover • Restore • Reuse

The entire ARID Bedding System has an ultra small footprint allowing for easy shipping and simple installation often right inside the barn. The system is entirely computer controlled. All parameters such as motor function, speed, flow rates and manure density are carefully monitored and regulated. The Trident separators and hi-solid presses are low maintenance and simple to repair using low cost, easy-to-source components.

Installing an ARID Bedding System is one of the best ways a farmer can recycle and save, reusing one of their most abundant resources, manure. For more information contact Manure Systems Inc.

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