



Sanitation Equipment for Commercial Manure Applicators BMP

Background/Objective:

Digestive tract and manure borne diseases are on the rise. Proper biosecurity protocols and practices are needed to limit the spread of viruses like Porcine Epidemic Diarrhea virus (PEDv) and Johne’s disease in the environment. Manitoba Livestock Manure Management Initiative (MLMMI) commissioned a study in partnership with Prairie Agricultural Machinery Institute (PAMI) and the University of Manitoba and found that PEDv does persist in the manure storage. PEDv may also be viable on manure application equipment. Prairie Swine Health Services have found variability in the quality of truck washing; this BMP would help increase wash standards for removal of pathogens. Soil borne plant diseases such as clubroot can also be transported by manure injection equipment as it is spread by the movement of soil particles which contain the spores.

Conditions for Eligibility - Sanitation Equipment for Commercial Manure Applicators BMP only

In order to be eligible for the Sanitation Equipment for Commercial Manure Applicators BMP, Applicants must:

- be a trained and licensed commercial manure applicator.
- provide a copy of a valid commercial manure applicators licence.

Practices eligible for funding:

Eligible Practice	Practice Code	Cost Share Ratio (Gov to applicant)	Category Cap
Hot water fuel powered pressure washer	1601	50:50	\$15,000
Water tank capable of hauling minimum of 1,800 US gallons	1602		
Trailer large enough to have self contained system	1603		
High volume gas powered water pump	1604		
Hoses	1605		

Eligible costs and in-kind contributions:

Eligible Costs	Fuel powered hot water* pressure washer
	Water tank capable of holding minimum 1,800 US gallons
	Trailer or large truck to be dedicated to a complete sanitation system
	Gas powered water pump eg. 3” trash pump
	Hoses
Eligible in-kind costs	Trailer or large truck to be dedicated to a complete sanitation system
Ineligible Costs	Equipment rental
	Detergent and other consumables
	Fuel
	Manure handling equipment

Project Planning and Requirements:

- **Only heavy duty washers capable of Hot Wash and capable of a minimum of 3000 psi will be eligible**
- Limit of one sanitation systems per business.
- Equipment must be welded or permanently attached to the trailer and the trailer must be dedicated to sanitation and is clearly marked "**Biosecurity**".
- None of the eligible costs can be paid as individual items and must be part of a complete sanitation system capable of hauling required water as well as all equipment as a self contained sanitation system.
- Minimum of 1,800 US gallon water tank.
- Applications for this BMP will be approved based on a **first-come, first-served basis**. Therefore only email and fax applications will be accepted.

For more information:

Contact your local MAFRD GO Centre or email agrienv@gov.mb.ca.

Reference materials:

The following reference materials will provide you with more information on sanitation equipment for commercial manure applicators:

- **Manitoba Pork Council**

PEDv information pamphlet

<http://manitobapork.com/wp-content/uploads/2014/01/PED1.pdf>

Wash station information

[http://manitobapork.com/manitobas-pork-industry/programs-and-services/swine-health-and-disease-management/porcine-epidemic-diarrhea-virus-ped/transportation-wash-facilities /](http://manitobapork.com/manitobas-pork-industry/programs-and-services/swine-health-and-disease-management/porcine-epidemic-diarrhea-virus-ped/transportation-wash-facilities/)