

<b>Bedding Culture, University of Minnesota</b>	<b>Choiniere</b>		
<b>Bacillus</b>			
unused straw	Bacillus sp.	150	Colonies/ml
unused wood shavings	Bacillus sp.	125	Colonies/ml
used bedding, barn 1 (closest to tie-stall)	Bacillus sp.	6,250,000	Colonies/ml
used bedding, barn 2 (furthest from tie-stall)	Bacillus sp.	6,250,000	Colonies/ml
<b>Range of results from all 21 farms in study:</b>	<b>New Bedding</b>	<b>Used Bedding</b>	
<b>Average</b>	27,816	4,096,429	Colonies/ml
<b>Lowest</b>	0	325,000	Colonies/ml
<b>Highest</b>	425,000	6,250,000	Colonies/ml
<b>Coliforms</b>			
unused straw	Coliforms	0	Colonies/ml
unused wood shavings	Coliforms	0	Colonies/ml
used bedding, barn 1 (closest to tie-stall)	Coliforms	350,000	Colonies/ml
used bedding, barn 2 (furthest from tie-stall)	Coliforms	375,000	Colonies/ml
<b>Range of results from all 21 farms in study:</b>	<b>New Bedding</b>	<b>Used Bedding</b>	
<b>Average</b>	63	244,469	Colonies/ml
<b>Lowest</b>	0	25	Colonies/ml
<b>Highest</b>	875	2,950,000	Colonies/ml
<b>Environ Strep</b>			
unused straw	Streptococcus sp.	250	Colonies/ml
unused wood shavings	Streptococcus sp.	0	Colonies/ml
used bedding, barn 1 (closest to tie-stall)	Streptococcus sp.	6,250,000	Colonies/ml
used bedding, barn 2 (furthest from tie-stall)	Streptococcus sp.	6,250,000	Colonies/ml
<b>Range of results from all 21 farms in study:</b>	<b>New Bedding</b>	<b>Used Bedding</b>	
<b>Average</b>	304	3,530,952	Colonies/ml
<b>Lowest</b>	0	0	Colonies/ml
<b>Highest</b>	2,500	6,250,000	Colonies/ml
<b>Non-coliform Gram Negative</b>			
unused straw	Gram Negative Org.	0	Colonies/ml
unused wood shavings	Gram Negative Org.	3,750	Colonies/ml
used bedding, barn 1 (closest to tie-stall)	Gram Negative Org.	1,900,000	Colonies/ml
used bedding, barn 2 (furthest from tie-stall)	Gram Negative Org.	6,250,000	Colonies/ml
<b>Range of results from all 21 farms in study:</b>	<b>New Bedding</b>	<b>Used Bedding</b>	
<b>Average</b>	45,046	1,279,786	Colonies/ml
<b>Lowest</b>	0	2,250	Colonies/ml
<b>Highest</b>	725,000	6,250,000	Colonies/ml
<b>Staph species</b>			
unused straw	Staphylococcus sp.	75	Colonies/ml
unused wood shavings	Staphylococcus sp.	25	Colonies/ml
used bedding, barn 1 (closest to tie-stall)	Staphylococcus sp.	7,500	Colonies/ml
used bedding, barn 2 (furthest from tie-stall)	Staphylococcus sp.	7,500	Colonies/ml
<b>Range of results from all 21 farms in study:</b>	<b>New Bedding</b>	<b>Used Bedding</b>	
<b>Average</b>	513	246,345	Colonies/ml
<b>Lowest</b>	0	0	Colonies/ml
<b>Highest</b>	10,000	2,600,000	Colonies/ml

<b>Milk Bulk Tank Culture, University of Minnesota</b>			
<b>Coliforms</b>			
bulk tank milk	NA	0	Colonies/ml
<b>Range of results from all 21 farms in study:</b>		<b>Average</b>	1 Colonies/ml
		<b>Lowest</b>	0 Colonies/ml
		<b>Highest</b>	5 Colonies/ml
<b>Non-ag Strep</b>			
bulk tank milk	Low	35	Colonies/ml
<b>Range of results from all 21 farms in study:</b>		<b>Average</b>	156 Colonies/ml
		<b>Lowest</b>	10 Colonies/ml
		<b>Highest</b>	1,250 Colonies/ml
<b>Staph aureus</b>			
bulk tank milk	Low	15	Colonies/ml
<b>Range of results from all 21 farms in study:</b>		<b>Average</b>	44 Colonies/ml
		<b>Lowest</b>	0 Colonies/ml
		<b>Highest</b>	320 Colonies/ml
<b>Staph sp.</b>			
bulk tank milk	NA	0	Colonies/ml
<b>Range of results from all 21 farms in study:</b>		<b>Average</b>	95 Colonies/ml
		<b>Lowest</b>	0 Colonies/ml
		<b>Highest</b>	665 Colonies/ml
<b>Strep agalactiae</b>			
bulk tank milk	NA	0	Colonies/ml
<b>None of the 21 farms in study were positive for Strep. ag</b>			
<b>Mycoplasma Culture - Milk</b>			
bulk tank milk	Negative		
<b>None of the 21 farms in study were positive for Mycoplasma</b>			