



Disinfection is critical to breaking the disease cycle. Items that come in contact with calves (i.e. feeding equipment, housing, trucks and trailers, health management tools, etc.) need to be properly cleaned and disinfected after each use.

Before attempting any disinfection process, clean by thoroughly washing with soap and water, removing as much organic material as possible. Once cleaning and washing are complete, disinfect with the proper type of disinfectant. Successful cleaning and disinfection depends on:

- Proper chemical agent
 - Concentration
 - Exposure time
- Surface to be cleaned



Item	How	When	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Feeding Equipment <i>(bottles, buckets, nipples)</i>	Cleaning	After use							
	Disinfection	Regularly							
Mix Prep Area	Cleaning	After use							
	Disinfection	Daily							
Floor	Cleaning	Daily							
	Disinfection	Weekly							
Pasteurizer Tank	Cleaning	After emptied							
	Disinfection	After emptied							

Originally developed by UW-Extension Oconto County Agriculture Agent Sarah Mills-Lloyd & Fond du Lac County Dairy & Livestock Agent Tina Kohlman for the Nestlé Dairy Farming Institute Curriculum, and adapted for the UW-Extension Dairy Team Heifer Blueprints.

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	Chemical Disinfectants							
	Acids	Alcohols	Biguanides	Halogens		Oxidizing Agents	Phenolic Compounds	Quaternary Ammonium Compounds
				Hypochlorite	Iodine			
Gram-positive (<i>Staph spp.</i> & <i>Strep spp.</i>)	+	++	++	+	+	+	++	++
Gram-negative (<i>E. coli</i> & <i>Salmonella</i>)	+	++	++	+	+	+	++	+
Enveloped viruses (<i>Coronavirus</i>)	+	+	±	+	+	+	±	±
Fungal spores (<i>Trichophyton</i>)	±	±	±	+	+	±	+	±
Bacterial spores (<i>Clostridium spp.</i>)	±	--	--	+	+	+	--	--
Coccidia (<i>Eimeria spp.</i>)	--	--	--	--	--	--	+	--

++ Highly Effective
 + Effective
 ± Limited Activity
 -- No Activity

Removal of organic material must always precede the use of any disinfectant.

Source: Adapted from Iowa State University's Center for Food Security & Public Health

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