

Key Performance Indicator: Milking Systems & Performance

Selected key performance indicators (KPI) for milking systems and milking performance

Source	Indicator	Suggested Goal
Milking Machine	Average claw vacuum	35-42 kPa
	Maximum claw vacuum fluctuation	< 10 kPa
	Average milk flow	2.3 – 4.1 kgs/min
	Use of manual mode of milking (when automatic detachers are used)	<5% of milkings
	“D” phase of the pulsation cycle	At least 150-200 ms
Milking Process	Premilking teat dip contact time	30 seconds before dry off ^a
	Prep-lag time (time from stimulation to milking unit attachment)	60 to 120 seconds
	Milking unit attachment time	3 to 8 minutes (depending on milk production)
	% of teats with at least 75% coverage with post-milking teat dip	>90%

^asome product characteristics may allow for more rapid bacterial kill, label instructions for products with published research data should be followed;