

A SPC Problem

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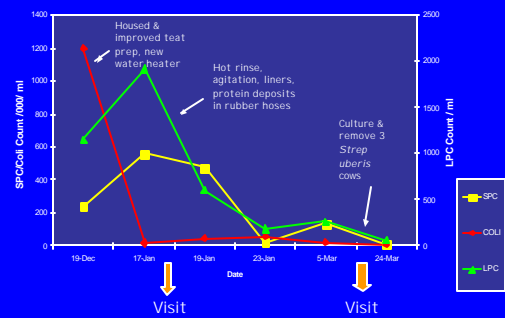
- 60 cow dairy milked x2 through a 5 unit Herringbone parlor
- Still out at grass in December

SPC 240 000 / ml !

Bulk Culture Results

Type of Bacteria	Low	Moderate	High	Very High
Strep ag	0-50	50-200	200-400	>400
Staph aureus	<50	50-150	150-250	>250
Env Streps	500-700	700-1200	1200-2000	>2000
Coliforms	<100	100-400	400-700	>700
CNS	<300	300-500	500-750	>750

Bulk Tank Monitoring



Contributing Causes

- Poor teat hygiene – out at grass/mud
- Insufficient volume of wash water at correct temperature
- Hot rinse
- Poor agitation through 2/5 units
- Residue in milk hoses
- Chronic *S.uberis* infections !

Role of Bulk Tank Analysis

- Collect new data on a problem farm
 - mastitis pathogens
 - milking & machine hygiene
- Monitor milk quality
 - SCC, SPC, PIC, COLI, LPC
 - Eradication / Screening of pathogens
 - Keeping characteristics